Temple College

Established September 1926

2600 S. 1st Street
TEMPLE, TEXAS 76504-7499

Phone: (254) 298-8282
1(800) 460-4636
www.templejc.edu

Catalog Announcements
2014 - 2015

Temple College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call (404)679-4500 for questions about the accreditation of Temple College.

Full Membership in, and Approved by,

Texas Higher Education Coordinating Board
Texas Education Agency

Departmental Membership, Accreditation, and/or Approved by,

Commission on Accreditation of Allied Health Education Programs
Commission on Dental Accreditation, American Dental Association
Commission on Accreditation for Respiratory Care
Texas Board of Nursing
Accreditation Commission for Education in Nursing
Texas Department of State Health Services, Office of EMS/Trauma Systems Coordination
National Junior College Athletic Association
Northern Texas Junior College Athletic Conference
International Tennis Association

Member of American Association of Community Colleges
Member of Texas Association of Community Colleges

Temple College does not discriminate on the basis of gender, disability, race, color, age, religion, national origin, or veteran status.

This catalog is a set of guidelines for Temple College students.
The information in this catalog is subject to change.

For the most current information please go to:
www.templejc.edu/admission/catalog.htm

Hours

The business hours for the College are:

Fall and Spring

Monday - Thursday — 8:00 a.m. - 6:00 p.m.
Friday — 8:00 a.m. - noon

Summer

Monday – Thursday — 7:30 a.m. - 6:00 p.m.

Temple College Education Centers

Cameron Education Center
804 East First Street
Cameron TX 76520-3401
(254) 697-8642

Texas Bioscience Institute
5701 Airport Road
Temple TX 76502
(254) 298-8782

EWCHEC - Taylor
516 North Main Street
Taylor TX 76574-3645
(512) 352-2688
(512) 365-7242 (Metro)
(866) 989-4266

EWCHEC - Hutto
1600 Innovation Blvd.
Hutto, TX 78634
(512)-759-5900

Campus Numbers

Temple College (254) 298-8282 or outside Temple area 1(800) 460-4636
EWCHEC-Taylor 298-8946 or (512) 365-7242 or (866) 989-4266
Cameron Education Center - Temple College 298-8610 or (254) 697-8642
EWCHEC-Hutto (512) 759-5900
TDD (254) 298-8253
(All numbers have 298 prefix unless otherwise indicated)

Academie Musique	8566
Accounting Services/Student Accounts	8628
Accounting Services	8601
Admissions and Records	8300
Admissions EWCHEC-Hutto	512-759-5900
Adult Education	8620
Advising	8331
Art	8573
Athletics	8522
Baseball	8529
Basketball/Men	8525
Basketball/Women	8527
BellNet Room	8219
Biology	8405
Biotechnology	8782
Bookstore Main Campus	8575
Bookstore EWCHEC-Hutto	512-759-5941
Human Resources	8580
Institutional Advancement	8592
Institutional Research	8340
Intramurals/Recreational Sports	8521
Liberal Arts	8596
Library (Learning Resources)	8426
Library EWCHEC-Hutto	512-759-5930
Loaner/Donor Computer Office	8467
Maintenance (Physical Plant).	8690
Management	8635
Math Adjunct Faculty	8354
Math Lab (Computer Aided)	8348
Math Lab (Computer Aided)	8373
Math Lab-Cameron	254-605-0818
Math Lab EWCHEC-Taylor	8949
Mathematics	8358
Media Center	8423

Bookstore EWCHEC-Taylor	8274
Business & Career Professions	8316
Business and Continuing Education	8625
Business Courses	8635
Business Incubator	8781
Business Office	8601
CAD/GIS	8442
Cafe EWCHEC-Hutto	512-759-5942
Cameron Center	8810 or 254-697-8642
Campus Police	8291
Campus Police EWCHEC-Hutto	512-759-5950
Cashier	8610/8611
Cashier EWCHEC-Hutto	512-759-5920
Chemistry	8407
Child Development.	8624
College Communications	8590
Community Education	8625
Computer Information Systems	8465
Criminal Justice	8634
Dental Hygiene	8678
Dental Clinic	8688
Diagnostic Med. Sonography	8696
Disabilities Coordinator	8335
Distance Education	8388
Drama	8551
Dual Credit	8621
EWCHEC-Hutto Center	512-759-5900
Educational Assistance Center.	8620
Education Courses	8624
Educational Services	8344
EMS Professions	8697
English and Communications	8399
Event Coordinator	8690
Financial Aid	8321
Financial Aid EWCHEC-Hutto	512-759-5900
Financial Aid EWCHEC-Taylor	8948
Financial Aid Call Center	8363
Fitness Center/Wellness	8780
Fitness Center Office	8934
Food Court at the ASU	8803
GED/ESL	8620
Geographic Information Systems	8442
Golf Course	773-0888
Gymnasium	8522
Health	8521
Help Desk (Information Services)	8450
Music	8555
Nurse Aid Training	8618
Nursing - Associate Degree	8666
Nursing Lab	8658
Nursing - Vocational	8664
Open Computer Center (WTC)	8447
Payroll	8581
Performing Arts	8555
Physical Education	8521
Physics	8407
President's Office	8600
Purchasing	8609
Respiratory Care	8697
Social and Behavioral Sciences	8345
Special Projects	8342
Speech	8555
Softball	8528
Student Accommodations	8335
Student and Enrollment Services	8333
Student and Enrollment Services EWCHEC-Hutto	512-759-5900
Student Life	8309
Student Success Division	8481
Surgical Technology	8651
TC Foundation	8592
EWCHEC-Taylor	8946 or 512-352-2688 or 512-365-7242
Tennis	8526
Testing Center	8586
Testing Center EWCHEC-Hutto	512-759-5925
Texas A&M – Central Texas	8930
Texas Bioscience Institute	8782
Training and User Support	8450
Theatre	8555
TRIO at TC	8376
TRIO at EWCHEC-Taylor	8275
Tutors	8336
University Courtyard	791-5400
Veterans Affairs	8311
VCT (Virtual College of Texas)	8319
Visual Arts	8570
Volleyball	8531
Workforce Rep	773-3111
Work Study	8322
Writing Center	8393

Academic Calendar

Important Dates

Fall 2014

Final Registration	August 4-14 - 16 & 1st 8-Week Classes
	October 16-17 - 2nd 8-Week Classes
All College Day	August 18
Zero Week	August 18-22
Semester Starts	August 25 - 16 & 1st 8-Week Classes
	October 20 - 2nd 8-Week Classes
Last Day to Add/Drop	August 26 - 16 & 1st 8-Week Classes
	October 20 - 2nd 8-Week Classes
Census	September 2 - 1st 8-Week Classes
	September 10 - 16-Week Classes
	October 27 - 2nd 8-Week Classes
Last Day to Drop a Class	October 3 - 1st 8-Week Classes
	November 14 - 16-Week Classes
	November 25 - 2nd 8-Week Classes
Final Exams	October 15-16 - 1st 8-Week Classes
	December 8-12 - 16-Week Classes
	December 10-11 - 2nd 8-Week Classes
Semester Ends	December 12
Grades Due	December 12 (Noon)
Holidays	September 1 - Labor Day
	November 26-28 - Thanksgiving Break
	December 19 - January 2 - Winter Break
Graduation Application Due	September 29 - December Graduation

Spring 2015

Final Registration	January 5-8 - 16 & 1st 8-Week Classes
	March 11-12 - 2nd 8-Week Classes
All College Day	January 12
Zero Week	January 12-16
Semester Starts	January 20 - 16 & 1st 8-Week Classes
	March 23 - 2nd 8-Week Classes
Last Day to Add/Drop	January 21 - 16 & 1st 8-Week Classes
	March 23 - 2nd 8-Week Classes
Census	January 27 - 1st 8-Week Classes
	February 4 - 16-Week Classes
	March 30 - 2nd 8-Week Classes
Last Day to Drop a Class	February 27 - 1st 8-Week Classes
	April 17 - 16-Week Classes
	May 1 - 2nd 8-Week Classes
Final Exams	March 11-12 - 1st 8-Week Classes
	May 11-15 - 16-Week Classes
	May 13-14 - 2nd 8-Week Classes
Semester Ends	May 15

Grades Due	May 15 (Noon)
Holidays	January 19 - MLK Holiday March 16-20 - Spring Break April 3 - Good Friday
Graduation Application Due	February 2 - May Graduation
Commencement	May 15 (EWCHEC) May 16 (Main Campus)

Summer 2015

Final Registration	May 11-21 - 1st 6, 8, & 11-Week Classes July 8-9 - 2nd 6-Week Classes
All College Day	N/A
Zero Week	May 26-28
Semester Starts	June 1 - 1st 6, 8, & 11-Week Classes July 13 - 2nd 6-Week Classes
Last Day to Add/Drop	June 2 - 1st 6, 8, & 11-Week Classes July 13 - 2nd 6-Week Classes
Census	June 4 - 1st 6-Week Classes June 9 - 8-Week Classes June18 - 11-Week Classes July 16 - 2nd 6-Week Classes
Last Day to Drop a Class	June 25 - 1st 6-Week Classes July 9 - 8-Week Classes July 23 - 11-Week Classes August 6 - 2nd 6-Week Classes
Final Exams	July 2 - 1st 6-Week Classes July 22-23 - 8-Week Classes August 12-13 - 11-Week Classes August 13 - 2nd 6-Week Classes
Semester Ends	August 14
Grades Due	August 14 (Noon)
Holidays	May 25 - Memorial Day July 6 - Independence Day (Observed)
Graduation Application Due	June 1 - Summer Graduation

Administration

Board of Trustees

Stephen H. Niemeier - 2014 - Chair
Andrejs Avots-Avotins, M.D. - 2016 – Vice-Chair
Katie Burrows – 2018 - Secretary
Lydia Santibanez - 2014
Larry J. Wilkerson - 2014
J. Harry Adams – 2016
Bob Browder - 2016
John Bailey - 2018
Michael W. Thompson - 2018

Administration

Glenda O. Barron	President
Van Miller	Vice President, Administrative Services and Chief Financial Officer
Mark A. Smith	Vice President of Educational Services and Chief Academic Officer
Randy Baca	Associate Vice President of Resource Management
Gary Jackson	Associate Vice President of Finance, Information and Technology Services, Chief Information Officer
Lee Ogburn-Russell	Associate Vice President for Health Professions
Dan Spencer	Associate Vice President of Academic Outreach and Extended Programs
Jimmy Roberts	Associate Vice President of Community Initiatives and Special Programs

Division Directors

Talma Botts	Business and Career Professions
Gracie Conner	Business and Continuing Education
Brian St. Amour	eLearning
Thomas Fairlie	Fine Arts
Lee Ogburn-Russell	Health Professions
Kathy Fulton	Learning Resources
Susan Guzman-Trevino	Liberal Arts
Paul Foutz	Mathematics, Science, and Physical Education
Skeet Powell	Facilities, Construction/Facilities Planning
Carey Rose	Student and Enrollment Services
Paula Talley	Student Success Division

Center Directors

Robbin Ray	EWCHEC - Hutto, Center Director

Department Chairs

Biology	Jason Locklin	298-8409
Biotechnology	David Sprague	298-8638
Business, Management, Office Occupations	Robb Cabaniss	298-8635
Chemistry, Physics, Geology, Physical Science, Engineering	Sharon Hoffman	298-8407
Child Development/Education	Gail Cox	298-8624
Communications	John Stevens	298-8399
Computer Information Systems/Computer-Aided Design/Geographic Information Systems	Talma Botts	298-8465
Criminal Justice	Lesley Keeling-Olson	298-8634
Dental Hygiene	Diane Ring	298-8564
Diagnostic Medical Sonography	Felix Guzman	298-8695
Emergency Medical Services	Jeff Fritz	298-8563
Mathematics	Cynthia Martinez	298-8356
Nursing, ADN	Karen Robinson	298-8673
Nursing, LVN	Gregory Bond	298-8665
Performing Arts	Colin Mason	298-8555
Health and Physical Education	Pamela Lee	298-8521
Respiratory Care	William Cornelius III	298-8928
Social and Behavioral Sciences	Joanna Scott	298-8384
Surgical Technology	Nancy Whitmire	298-8650
Visual Arts	Michael Donahue	298-8570

President's Message

On behalf of the Board of Trustees, faculty, staff, and students of Temple College, I invite you to explore the many programs and services described within this catalog. Founded in 1926, TC has become a truly comprehensive community college, offering an array of educational opportunities in an ongoing effort to fulfill the dreams and aspirations of its students.

If your goal is to pursue a baccalaureate or higher degree, Temple College is a point of access for numerous professional fields of study through its transfer curriculum leading to the Associate of Arts degree. We also offer an opportunity for our students to complete upper-level classes toward a baccalaureate degree on the TC campus through a partnership with Texas A&M University – Central Texas and online through our partnerships with other higher education institutions.

If your interests lie within a field of technical study, Temple College offers challenging programs leading directly to employment through specialized certification or an Associate of Applied Science degree.

If you need short-term job-related training or re-training for skill-specific occupations, the Business and Community Education Division provides many opportunities throughout each calendar year for open-enrollment classes as well as customized, contract training in partnership with local business and industry.

There are exciting opportunities for you at Temple College, and I invite you to experience the exceptional quality of instruction in the classroom and online, as well as the many other opportunities for enrichment through student organizations and activities, cultural and athletic events, forums and workshops, with many featuring local, state, and national leaders.

Temple College has combined a sense of history and tradition with unprecedented progress in the transformation of its campuses, programs, and services to meet the educational, cultural, and socioeconomic needs of a multi-county service area. Many of its programs have received national and even international recognition; many of its students have reached the highest levels of professional achievement.

I hope that you will join us on our main campus in Temple at one of our educational centers in Cameron, Taylor, or Hutto or perhaps through the wonders of telecommunications, from a location most convenient to you. Our commitment at Temple College is quite simple, to make a difference in the life of each student.

Sincerely,

Glenda O. Barron, Ph.D.
President

Mission Statement

The mission of Temple College is to foster student success for our diverse community by providing quality lifelong learning and enrichment experiences.

Values Statements

Learning - Temple College's commitment to excellence in teaching and learning is foremost. Our endeavors support educational success and a lifetime of learning.

Opportunity - Temple College actively promotes education for all by providing access to a variety of courses and programs through innovative and traditional approaches.

Integrity - Temple College demonstrates integrity by ethical decision making, excellent stewardship of our resources, and accountability to our constituents.

Community - Temple College cultivates collaborations that promote community partnerships, workforce development, and enrichment experiences. We foster an environment that promotes mutual respect, social responsibility, and open communication among students, faculty, staff, and the public.

Strategic Goals and Objectives

Goal 1. Ensure Quality Learning Opportunities

Objectives:

A. Assure accreditation from appropriate authority or agency.
B. Assure the passage rates on certifications and licensure are above the national/state mean.
C. Provide appropriate educational resources to support the delivery of learning.
D. Improve course level placement to optimize learning.
E. Provide appropriate academic rigor for students to be successful at the next level.

Goal 2. Foster Student Success

Objectives:

A. Increase course completion with an earned grade of "C" or better.
B. Improve retention of credential-seeking students from term to term and year to year.

C. Increase the attainment of credentials as determined by graduation rates/core completion/licensure.
D. Increase student engagement.

Goal 3. Provide Enrichment Experiences

Objectives:

A. Increase attendance at programs and college functions.
B. Increase participation in programs and college functions.
C. Enhance targeted communication of college and community programs and events to appropriate audiences.
D. Expand opportunities for student academic and social integration.

Goal 4. Partner with the Community

Objectives:

A. Increase partnerships to meet community needs.
B. Strengthen existing partnerships.
C. Enhance communication within our service area to promote awareness of college opportunities.

Goal 5. Manage Resources Effectively

Objectives:

A. Provide professional development to enhance effectiveness.
B. Pursue alternative funding sources.
C. Optimize the utilization of existing resources.
D. Strategically plan for future needs.

About Temple College

History and Location

Temple Junior College was founded in 1926 in response to the need for a post-secondary institution in Temple. The College is a result of the joint efforts of civic, business, and educational leaders. In the early years, the College was operated by the public school system. Classes were held in the basement of the old Temple High School building. As the student body grew, so did the need for a permanent campus. A separate junior college district was established in 1955 enabling the college to build a new facility. The College moved to its present location in south Temple in 1957.

Temple College has traditionally offered pre-professional courses leading to degrees in medicine, law, education, engineering, and similar fields as well as more general academic courses that enable students to transfer to four-year institutions for baccalaureate degrees. The technical program of the College expanded with the opening of the Watson Technical Center in 1967. In recent years a wide variety of credit and non-credit classes, programs and workshops have been offered through Business and Continuing Education. Temple College became a leader in education for health professions with the opening of the Health Sciences Center and Clinical Simulation Center in 2004.

With an enrollment of more than 6,000 students, the College is large enough to maintain flexible and varied program offerings. It is, at the same time, small enough to provide students with opportunities for the development of leadership abilities. Small class size makes possible a close personal relationship between students and their instructors.

In 1996, the name of the College was changed to Temple College to reflect its role as a comprehensive college, offering transfer programs, technical education, community education, career and workforce training, and cultural activities. The college offers day and evening classes; technical and workforce training; on-campus, online, hybrid, and web-enhanced courses; and continuing education classes.

The main campus exceeds 108 acres, including 25 buildings. University Courtyard Apartments provide apartment-style student housing and Temple College Apartments provide housing for low-income student families. Both facilities are located on the east side of the main campus.

The Danny Scott Sports Complex includes a gymnasium, fitness center, baseball and softball fields, and an intramural field.

Temple College also operates at four off-campus locations. In the fall of 1997, the Temple College Taylor Center opened in the historic area of Taylor to serve the increasing educational and workforce training needs of east Williamson and surrounding counties. In fall 2007 Temple College, in partnership with Taylor Independent School District (ISD) and Hutto ISD, began operation of the Legacy Early College High School. In 2007 the Taylor Center became part of the East Williamson County Higher Education Center (EWCHEC), a multi-institutional teaching center of which Temple College is the lead institution. In the fall of 2013 EWCHEC opened a second facility in Hutto. The partnering institutions that form EWCHEC include Texas State Technical College Waco, Texas A&M – Central Texas, Texas Tech University, and Concordia University Texas.

The Cameron Education Center (CEC) opened in January 2000 to serve the educational and training needs of Milam County and surrounding areas. In July 2007, the CEC received a Middle College designation, which allows dual credit learners to be enrolled in more than two dual credit classes per semester.

The Temple College Downtown Center opened in May 2000 in the historic old Temple Post Office Building. The Downtown Center was home to Business and Continuing Education Division, which offers non-credit coursework, workshops, seminars, and workforce development programs for the public. In 2013, the Business and Continuing Education Division moved back to TC's main campus and is now located in Berry Hall.

In 2005, renovations were completed to a historic building adjacent to the Downtown Center for the Temple College Business Training Center. A joint economic and business development project with the City of Temple, Temple Economic Development Corporation, Temple Chamber of Commerce and the Temple College Foundation, the Business Training Center houses the Temple Entrepreneurial Center, as well as classrooms, meeting space for community education and workforce training. Offices for the Temple College Foundation also are located in this facility.

The Texas Bioscience Institute (TBI), located on the Scott and White West Campus, opened in the fall of 2006. As a partner with community, education and business interests, Temple College took a leadership role in developing the TBI's innovative educational model involving area high schools, colleges and universities to bring new educational opportunities to Central Texas citizens. The Texas Bioscience Institute offers STEM (Science Technology Engineering and Math) based programs to promote a skilled and knowledgeable medical and biotechnology workforce in Central Texas. Texas Bioscience Institute programs serve high school students, transitioning military personnel, military dependents, displaced workers, and other certificate, associate or bachelor degree-seeking students. In January 2006, the TBI received a Middle College designation which allows dual credit learners to be enrolled in more than two dual credit classes per semester. In 2013, the TBI received the Star Award which recognizes exceptional contributions toward meeting one or more of the goals of Closing the Gaps by 2015, the Texas higher education plan adopted in 2000.

Temple College is located in Temple, Texas, a city of approximately 63,700 in the heart of Texas. Temple is recognized as a medical, education and research center. Within its boundaries are the Baylor Scott & White Healthcare System, the Central Texas Veterans' Health Care System, Texas A&M College of Medicine, and USDA/Texas A&M University Blackland Research Center. Temple is 125 miles from Dallas and Fort Worth, 60 miles from Austin, 140 miles from San Antonio, and 165 miles from Houston. It is, therefore, well located with reference to commercial, cultural, and political centers of Texas

Temple College: Your Best Choice

Temple College enjoys an excellent academic reputation and offers Associate of Arts (AA) and Associate of Applied Science (AAS) degrees, Certificate programs, as well as community education courses and public and corporate services. The AA degree offers the first two years of a four-year degree, and the AAS degree prepares students for employment in technical careers which require only two years of higher education. The College is friendly, convenient, and economical for students residing in Central Texas. Campus activities, which enhance college life, are varied and accessible. Attending Temple College is an excellent way to adjust to college life before going to a distant senior college or to prepare for one of the four-year colleges in Bell County: University of Mary Hardin-Baylor in Belton, Texas, or Texas A&M University - Central Texas in Killeen, Texas. Courses also are available to students at East Williamson County Higher Education Center (EWCHEC)-Taylor in Taylor, EWCHEC-Hutto in Hutto, Cameron Education Center in Cameron, Temple College Downtown Center in Temple, or at the Texas Bioscience Institute in Temple.

Recognition and Accreditation

Temple College is a comprehensive two-year college, and the students are given full credit for their work in senior colleges and universities, provided it is done in keeping with requirements of those colleges and universities. Temple College graduates have successfully entered and completed work in senior colleges and universities throughout the United States. Temple College is accredited by the Southern Association of Colleges and Schools Commission on Colleges to award associate degrees. Contact the Commission on Colleges at 1866 Southern Lane, Decatur, Georgia 30033-4097 or call 404-679-4500 for questions about the accreditation of Temple College. Also, the College is recognized and approved by the Texas Higher Education Coordinating Board as a first-class two-year college. Temple College is an active member of the Texas Association of Community Colleges and the American Association of Community Colleges. For more information visit TC's website www.templejc.edu.

Graduate Guarantee Program

Transfer Credit

Temple College guarantees to its Associate of Arts graduates who have met the requirements for the degree, beginning June 1992 and thereafter, that course credits will transfer to other public-supported Texas colleges or universities provided the following conditions are met:

1. Transferability means acceptance of credit toward a specific major and degree at a specific institution. These components must be identified by the student during the application for a mission process prior to the first semester of enrollment at Temple College.
2. Limitations on total number of credits accepted in transfer, grades required, relevant grade point average, and duration of transferability apply as stated in the general undergraduate catalog of the receiving institution.
3. Transferability refers to courses in a written transfer/degree plan filed in a student's file in the Admissions and Records Office at Temple College.
4. Only college-level courses with the Lower Division Academic Course Guide Manual approved numbers are included in this guarantee.

If all the above conditions are met and a course or courses are not accepted by a receiving institution in transfer, the student must notify the Division Director of Student Enrollment Services at Temple College within 10 days of notice of transfer credit denial so the "Transfer Dispute Resolution" process can be initiated.

If course denial is not resolved, Temple College will allow the student to take tuition-free alternate courses, semester hour for semester hour, which are acceptable to the receiving institution within a one-year period from granting of a degree at Temple College. The graduate is responsible for payment of any fees, books or other course-related expenses associated with the alternate course or courses.

Temple College has articulation agreements locally with the University of Mary Hardin-Baylor in Belton and Texas A&M University - Central Texas in Killeen as well as several other major universities in Texas which guarantee transferability of TC credits. Some agreements are program specific. Please consult the TC Advising office or the university for specific information.

Reverse Transfer

If a student transfers from Temple College to another college/university before completing their associate degree and has earned at least 25 percent of the hours required for the degree, Temple College will reverse transfer courses completed from the college/university back into their associate degree program at Temple College and award an associate degree if graduation requirements are met.

Guarantee for Job Competency

If a recipient of an Associate of Applied Science degree or Certificate of Completion is judged by his/her employer to be lacking in technical job skills identified as exit competencies for his/her specific degree program, the graduate will be provided up to 12 tuition-free credit hours of additional skill training by Temple College under the conditions of the guarantee policy. Special conditions, which apply to the guarantee, include the following:

1. The graduate must have earned the Associate of Applied Science degree or Certificate of Completion beginning June 1992 or thereafter in a technical, vocational or occupational program identified in the College's general catalog.
2. The graduate must have completed requirements for the Associate of Applied Science degree or Certificate of Completion with the Temple College system, with a minimum 75 percent of credits earned at Temple College, and must have completed the degree or certificate within a five-year time span.
3. Graduate must be employed full-time in an area directly related to the area of program concentration as certified by the Division Director of Student Enrollment Services.
4. Employment must commence within 12 months of graduation.
5. The employer must certify in writing that the employee is lacking entry-level skills identified by Temple College as program exit competencies and must specify the areas of deficiency within 90 days of the graduate's initial employment.
6. The employer, graduate, Division Director of Student Enrollment Services, Vice President of Educational Services, Division Director of Business and Community Education, job placement counselor, and appropriate faculty member will develop a written educational plan for retraining.
7. Retraining will be limited to 12 credit hours related to the identified skill deficiency and to those classes regularly scheduled during the period covered by the retraining plan.
8. All retraining must be completed within a calendar year from the time the educational plan is agreed upon.
9. The graduate and/or employer is responsible for the cost of books, insurance, uniforms, fees and other course-related expenses.
10. The guarantee does not imply that the graduate will pass any licensing or qualifying examination for a particular career.

A student's sole remedy against Temple College and its employees for skill deficiencies shall be limited to 12 credit hours of tuition-free education under the conditions described above. Activation of the "Graduate Guarantee Program" may be initiated by the graduate by contacting the Vice President of Educational Services within 90 days of the graduate's initial employment.

Distance Education

Distance Education courses afford students the opportunity to continue attending college courses even with busy lifestyles. Many students attend a combination of online, hybrid, and on-campus classes while others choose to attend all online courses. Course standards, college credit, and transferability are the same as for courses offered on campus. Students have the same rights, privileges, and obligations as on-campus students. Online and hybrid courses are transcripted the same as on-campus courses.

Internet (Online) Courses

Online courses are courses that are completed entirely over the Internet. To take a course through the Internet, students will need access to a computer and a connection to the Internet. Students can use any of the computers in the open computer labs or the library to complete their course work. Class notes, assignments, and discussions are sent and returned through the computer. Students may need to come on campus for one to three proctored exams as determined by the course instructor. An online course may require certain minimum hardware and software configurations on a student's machine. Those requirements are the responsibility of the student.

Hybrid Courses

Hybrid courses are courses where a majority of the course is taught over the Internet, while the remaining portion of the course meets on campus. The requirement for the number of on-campus sessions is determined by the course instructor. As with online courses, students will need access to a computer and a connection to the Internet. Students can use any of the computers in the open computer labs or the library to complete their course work. A hybrid course may require certain minimum hardware and software configurations on a student's machine. Those requirements are the responsibility of the student.

Registration

The registration process for eLearning courses is the same as for all other Temple College courses, and Distance Education courses have the same Texas Success Initiative requirements.

Textbooks

Textbooks for some distance education courses may differ from textbooks used for on-campus sections of the same course. The Temple College Bookstore stocks all distance education textbooks.

Testing

Some online courses may require one to three proctored exams during the semester. Proctored exams may be accomplished in the Testing Center on the Main Campus, may be accomplished at any of our Satellite Centers, or at an off-campus testing site approved by the course instructor. Each instructor determines the need for a proctored exam or exams.

Orientation Sessions

Student Orientation to eLearning workshops are held usually the week prior to the start of the semester and again the first week of the semester. These workshops are optional, but contain valuable information that can help increase the chance of success in online courses. Individual online course instructors may hold online orientations. Hybrid instructors may hold online or on-campus orientation workshops. Check the eLearning web site for more information.

On-Line Information

To see up-to-date information about specific Temple College eLearning courses, go to the Temple College web site (www.templejc.edu) and click the "eLearning" link.

Texas Bioscience Institute

The Texas Bioscience Institute offers STEM (Science, Technology Engineering and Math) based programs to promote a skilled and knowledgeable medical and biotechnology workforce in Central Texas. The Texas Bioscience Institute programs serve high school students, transitioning military personnel, military dependents, displaced workers, and other certificate, associate or bachelor degree seeking students.

To allow students to interact with bioscience researchers, the Texas Bioscience Institute is located at Scott and White's West Campus, alongside bioscience research and development facilities. The Texas Bioscience Institute offers state-of-the-art laboratories and classrooms to support advanced courses in biology, chemistry, technology and technical communication. While coursework is taken at the Texas Bioscience Institute, internships and apprenticeships take place in working bioscience facilities in industry or government organizations. By integrating both theory and practice, Texas Bioscience Institute programs assist in supporting the creation of scientists specifically qualified to support established medical and emerging biotechnology industries in Central Texas and beyond.

Middle College Dual Credit Program

This component of the Texas Bioscience Institute allows high school juniors and seniors to focus their study in math, science, and/ or biotechnology and earn up to two years of college credit. This program makes college more accessible, and more affordable, and provides the strong student support needed for transitioning dual-credit high school students to be successful in a college setting.

Associate of Applied Science in Biotechnology

The Associate of Applied Science in Biotechnology provides two years of college instruction at the Texas Bioscience Institute and an internship at a research facility to reinforce technical skills. Each graduate may become employed in biotechnology research or enter a four-year institution as a college junior to study in related fields such as premedical studies or microbiology of study requiring a strong STEM (Science, Technology Engineering and Math) foundation.

Certificates

Degreed students may enhance their skills and knowledge in biotechnology by earning one of the following two certificates: Advanced Technical Certificate in Biotechnology or Enhanced Skills Certificate in Genomics/Proteomics (refer to specific sections of the catalog for information specific to each of these degree plans).

Apprenticeships

For qualified individuals, paid apprenticeships in bioscience topics may be available. Apprenticeships provide formal on-the-job training with an employer as well as current related technical college level instruction at Temple College and/or the Texas Bioscience Institute.

University Partnerships and Corporate Training

The Texas Bioscience Institute is continually developing university partnerships and corporate training opportunities for students to go beyond the course of study at the associate level. An effort to establish affiliation agreements, which allow students to seamlessly transition from the associate to the bachelor level for medical and biotechnology majors at Texas Bioscience Institute and many other programs at Temple College, is ongoing.

FOR CONTACT INFORMATION RELATED TO ANY TEXAS BIOSCIENCE INSTITUTE PROGRAM, CONTACT THE ADMINISTRATIVE ASSISTANT FOR THE TEXAS BIOSCIENCE INSTITUTE AT (254) 298-8782.

Business and Continuing Education

Training Individuals, Transforming Organizations

Business and Continuing Education is an important component of the total education program at Temple College. As one of the state's community and technical colleges, Temple College is designated by the Texas Legislature as the primary provider of workforce education and training for our Central Texas area. Temple College Business and Continuing Education:

- Partners with local Workforce Board representatives to meet local businesses' demands for trained workers

- Creates workforce development strategies that respond to current and future needs of a diverse population
- Provides our communities with quality training resources that stimulate personal, workforce and economic development

Temple College Business and Continuing Education provides workforce skills training in two primary ways: customized training and public classes.

Customized and Contract Training

The Temple College Division of Business and Continuing Education serves as an educational and skills development resource for business and industry in the Central Texas area. In an effort to improve the prosperity of our region, the Division delivers customer-focused training to address the needs of an ever-changing workforce, leading to improvement in employee performance, productivity and overall effectiveness. Our Temple College Business and Continuing Education staff, along with experts in the field, meet with individual businesses, work collaboratively to identify specific training needs, develop goals for employee and organizational improvement, and create plans to enhance employees' skills and overall effectiveness. The customized plan includes such features as engaging program design, professional learning materials, qualified instructors, and on-site pre- and post-tests, as well as a schedule that meets the specific needs of the business. A customized contract summarizes the collaborative agreement.

Public Offerings

In addition to providing customized and contract training for specific organizations, Temple College Business and Continuing Education offers open-enrollment classes to the general public to provide skills enhancement preparation in our region. Designed for those considering a career move or related to their present occupation, these open-to-the-public classes are designed to give adults an opportunity to keep up with new developments or to explore activities for personal and professional growth.

Many courses are open to interested persons without specific admission requirements. Persons who register for and successfully complete these courses are awarded Continuing Education Units (CEU's); normally one CEU is awarded for each ten hours of training. Many courses offered meet the mandatory continuing education requirements for re-licensure and educational advancement in professions.

Temple College Business and Continuing Education offers courses in a variety of areas. Specific offerings vary depending on current local workforce needs. They may include:

- Information Technology such as computer applications, word processing, spreadsheets, database, Internet, CompTIA Net+, QuickBooks, and graphic arts/publication programs
- Leadership Development for those new to a supervisory role as well as for more experienced, mid-to-high level leaders
- Manufacturing and trade skills such as OSHA, industrial electronics, programmable logic controllers, machining, SubSea Robotics, and "Lean Manufacturing"
- Healthcare specific skills such as Pharmacy Technician, Medical Coding, EKG, Certified Nurse Aide, Clinical Medical Assistant, and CPR
- Spanish, sign language, and other language skills
- Real Estate
- Human Resources
- Customer Service
- Other professional and personal development opportunities

While classes may be scheduled throughout our service area, many of these classes meet at Temple College. Some are available online or as "hybird" with portions completed online and other segments in the classroom.

Non-credit "mirror" course enrollment is also available through Business and Continuing Education for some technical or business-related classes offered through the credit side of the college. Neither transcripts nor college entrance exams are required. Costs are comparable to the credit class, and students receive the same level and quality of instruction. This type of enrollment is available in subjects such as business, child development, emergency medical technician, and computer information systems. Contact the Division of Business and Continuing Education at the time of registration to enroll in this manner.

Preregistration is required, and a minimum enrollment must be met for a class to be offered. The tuition and fees for many non-credit classes start as low as $10.00 per class hour, with additional costs for supplies, background checks, medical expenses, externship/clinical or books. A one hundred percent refund will be given if Temple College cancels the class. Generally, a full refund will also be granted if a student officially withdraws in writing through the Division prior to the second class meeting. Exceptions are for those classes meeting two days or less, or those incurring administrative or material costs. No refunds will be granted after the class has met for the second time. Contact Business and Continuing Education at (254) 298-8625 for more information.

Expenses and Scholarships

Tuition and fee charges that are to be paid at registration are due at that time. Registration is not complete until all payments have been made. Other charges are due upon request. Payment of tuition and fees may be made by cash, check, money order, Visa, MasterCard, Discover Card, American Express, or installment plan. For details on the installment plan, please see "Tuition and Fee Installment Plan". All charges and fees are subject to change by action of the Board of Trustees, as they deem advisable.

Tuition* and General Fees**

Please check online for tuition due dates for each semester. The college does not mail tuition statements.

Sem Hr	In-District	Out-of-District Resident	Non-Resident of Texas
1	88	154	330
2	176	308	468
3	264	462	702
4	352	616	936
5	440	770	1,170
6	528	924	1,404
7	616	1,078	1,638
8	704	1,232	1,872
9	792	1,386	2,106
10	880	1,540	2,340
11	968	1,694	2,574
12	1,056	1,848	2,808
13	1,144	2,002	3,042
14	1,232	2,156	3,276
15	1,320	2,310	3,510
16	1,408	2,464	3,744
17	1,496	2,618	3,978
18	1,584	2,772	4,212
19	1,672	2,926	4,446
20	1,760	3,080	4,680
21	1,848	3,234	4,914

*Health Science classes require an additional $20 tuition charge per semester hour. Dual Credit classes are eligible to receive a $25 per semester hour discount. A student may be subject to one or both of the special conditions listed above.
**Certain classes have additional lab fees. See individual course descriptions for specifics on lab fees.

Note: Each hour of tuition includes the following fees:

- **Use Fee - $13**
- **General Fee - $ 2**
- **Technology Fee - $ 7**

East Williamson County Higher Education Center Fee - $8

Laboratory Fees ---

See Course Descriptions

Other Fees Paid at Registration (All special fees are subject to change)

Special Fees:	
Assessment Test Fee – ADN and VN	$45
Auditing charge per class (in addition to tuition and other fees)	$15
Computer Competency Exam	$15
Internet Fee	$35 per semester hour
Hybrid Fee	$35 per semester hour
Liability Insurance (Rate set by company)	Approximately $20 to $75
Music: Audio Engineering MUSC 1327 fee	$15
Music: Individualized Instruction	
2-hour courses	$120
1-hour courses	$60
Repeat Fee (Third or more times to repeat same course)	$75 per credit hour
Reprint Fee	$5 per print
Developmental Education Repeat Fee	$75 per credit hour
(Fee assessed after 27 hours of developmental education courses have been attempted)	
Respiratory Care DataArc Database Clinical Tracking Software Fee (Applied to fees for RSPT 1410)	$70
Respiratory Care AMP Testing (to be applied to fees for RSPT 2362)	$140
Simulation Fee (varies with course)	$30 to $64
Surgical Technology Sterile Supply Fee (Temple students only)	$150
Surgical Technology Fee for National Certification Exam	$300
Telecourse Fee	$25 per course
(ARTS 1316)	
VCT Fee	$35 per semester hour

Charges for Particular Services or Activities

Parking and traffic violations	$20 each
Disabled parking violation	$50 each
Faculty/Staff violation	$25
Returned checks regardless of reason	Maximum Fee Allowed by State Law
Fax Service (Local)	$1 for first page $.50 each additional page
Fax Service (Long Distance)	$2 for first page $.50 each additional page
Late Graduation	$30
Temple College ID Card Replacement	$20
Property Damage	Replacement Cost
Student Directory	$100
Transcript Fee, after 5th transcript/term	$5/transcript
Tuition and Fee Installment Plan Set-Up Fee	$30
Short Term Loan Set-Up Fee	$10
Installment Plan Late Fee (each payment)	$25
Short Term Loan Late Fee	$30
Check Re-Issuance Fee	$35
CLEP Test	Test fees set by CEEB

	TC Administrative Fee $40
Correspondence, Distance Learning, Online, Internet, and Virtual College of Texas Tests	
(students never enrolled at Temple College)	$20
(former students)	$10
(current students)	No Fee
DSST Test fees set by Thomson Prometric	Test fees set by DSST TC Administrative Fee - $40
THEA	Pearson Education - $29 Temple College - $40
ACCUPLACER Test	$25
TSI Assessment	$25
Re-test for Accuplacer or TSI Assessment	$25
Institutional Credit Examination	$50 per credit hour of the course attempted. Contact the Testiing Center for exact fee.
Pre-Testing Fees (Non-Refundable): (Payment by cash, money order, or credit card only)	
Dental Hygiene	$45
Diagnostic Medical Sonography	$45
Nursing – ADN and VN Admissions Test	$45
Respiratory Care Admissions Test	$45
Surgical Technology Admissions Test	$45

Tuition and Fee Installment Plan

A student may pay for tuition and mandatory fees for regular fall, spring, and summer semesters by one of two methods: (1) full payment or (2) installment. The installment plan is an online service administered by Nelnet Business Solutions (formerly FACTS Tuition Management Company). Once a payment plan has been chosen, it may not be changed. The number of installments will depend on the date the agreement is completed and submitted online to Nelnet (FACTS). For the regular fall and spring semesters, one-half payment of tuition and fees plus the $30 service fee must be paid before the beginning of the semester, one-quarter payment prior to the start of the sixth class week, and a final one-quarter payment before the beginning of the eleventh class week. For the regular summer term, one-half payment of tuition and fees plus the $30 service fee must be paid before the beginning of the semester and the final one-half payment prior to the start of the fifth class week. The installment payment plan for tuition and fees may be used for the initial registration at the beginning of the regular fall, spring, and summer semesters. Installments may not be used for registration for shorter/longer periods.

Non-Payment of Installment Payment Contracts

Students who fail to make full payment of all charges on the installment plans are subject to the following conditions:

a. Will have a hold placed on their records.
b. Will be prohibited from registering for classes.
c. Will still be responsible for the full amount due under the contract.
d. Will not receive grades, awards, diplomas, and records, including but not limited to transcripts, to which they would otherwise be entitled.
e. May be denied credit for the work done that semester.
f. Will be responsible for collection of fees, including court costs, as permitted by law, in the event that the note is placed in the hands of a collection agency or attorney for collection.

Scholarships

Temple College offers the following scholarships to students who excel in certain areas:

Area	**Contact**
Music	Music Department
Tennis	Tennis Coach
Basketball	Basketball Coach
Baseball	Baseball Coach
Softball	Softball Coach
Volleyball	Volleyball Coach
Art	Art Department

Temple College Foundation

Temple College Foundation is a non-profit corporation established in 1982. The purpose of The Temple College Foundation is to assist in and contribute to the academic and physical growth and development of the College. College Trustees and citizens-at-large make up The Foundation Board. The Foundation welcomes gifts of cash, life insurance securities or other property, directly or through wills or trusts. All gifts to The Foundation are tax deductible.

Donor Scholarships

An impressive number of local organizations, businesses, and individuals provide scholarships to worthy students. Listed below are those awards. See the Financial Aid webpage for further information and application details. The following scholarships are available to students attending TC:

The **Altrusa Club International** of Temple awards a scholarship for one year at Temple College to a high school senior or a college freshman. The award is based on worthiness and general academic achievement.

The **Ann Chamlee Endowed Music Scholarship** was established in memory of Ann Chamlee, retired in 2008 after many years of service in the Temple College Music Department. The Fine Arts faculty selects the recipient of the scholarship.

The **Auxiliary to the Central Texas Dental Society** offers a scholarship to a Temple College Dental Hygiene student. Applicants must have successfully completed the first year of the dental hygiene program, maintained a 3.0 GPA, and exhibit financial need.

The **Bell County Medical Society and Auxiliary** offers several scholarships to Bell County high school graduates or Temple College freshmen majoring in various categories of medicine, nursing, or health related fields. The awards are based on general excellence.

The **Betty Ann Macey Memorial Scholarship** is awarded to a TC student through the Ralph Wilson Youth Clubs of Temple.

The **Bill Vannatta Endowment Scholarship** was set-up to be awarded to a "strong math student" referencing courses taken and grades achieved.

The **Callaway Foundation Scholarship** has been established in memory of J.L. and Bonnelle Callaway. Scholarships are awarded through C.H. Yoe High School.

The **Cameron Lions Club** selects a Yoe High School senior to receive a scholarship each year. Students from Cameron should contact the Senior Counselor of Yoe High School.

The **C.E. Fikes (CEFCO) Endowed Scholarship** was established by James R. and Kim Fikes in honor of Mr. C.E. Fikes, a long-time Central Texas businessman and founder of CEFCO Convenience Stores. Preference will be given to students employed by: Fikes Wholesale, Inc., CEFCO Convenience Stores, Group Petroleum Services, Sunbelt Ice, Fleet Fuel, Cord Financials Services, or JF Air Traffic, Inc. Second preference will be given to a student who is a child or grandchild of an employee of the same listed companies. Third preference will be given to a student working toward an associates degree in business including accounting, marketing, management, human resources, or IT. The recipient must be a full-time student maintaining a minimum 3.0 GPA.

The **Celia and Nathan Neman Developmental Memorial Endowed Scholarship** was established in memory of the parents of Sol Neman. Scholarships are to assist full time students entering the university with a declared engineering major who have a 3.0 GPA and demonstrate financial need. Preference is given to students residing in Bell County.

The **City Federation of Women's Clubs of Temple** offers a scholarship to a Temple College student who plans to continue college work in a recognized four-year college or university. This scholarship is based on character, academic attainment and worthiness.

The **Claudia and W.T. Barnhart Outstanding Teacher of the Year Award** was established in 1988 by the Barnhart family. A $2,000 stipend is awarded each year to a faculty member for teaching excellence. Nominations for the award are supplied by Temple College employees and the recipient is selected through a selection committee.

The **Constance McQueen Memorial Scholarship** was established in memory of Constance McQueen by her husband, Clyde McQueen. The student must be a full-time student, must be PELL eligible, and must maintain a 2.0 GPA.

The **Donna Calvert English Scholarship** has been established in memory of Donna Calvert, a dedicated English instructor at TC for many years. Recipient is to be a strong English major who exhibits financial need and maintains a 3.0 GPA.

The **Douglas Ferrill Scholarship** shall be awarded to a student who has demonstrated an interest in math, engineering, or teaching. Douglas Ferrill retired from Temple College in 1982 after twenty years of service. He developed and implemented the evening school and was Dean of Continuing Education and Evening School when he retired. The Computer-Aided Math Lab in the Math and Biomedical Science Building at Temple College was named in Mr. Ferrill's honor in December, 2003. Mr. Ferrill also established two other scholarships, one in memory of his first wife, the Ruth Ferrill Scholarship and one in honor of his second wife, Marjorie Ferrill.

The **Dr. Byron G. McKibben Nursing (ADN) Endowed Scholarship** is awarded to a full time ADN student who is at least 18 years of age and maintains a 2.5 GPA.

The **Dr. George R. Kress Scholarship** is for music and fine arts or health science majors. Recipients must be full-time students and maintain a 3.0 GPA with plans to transfer to a university.

The **Dr. Harry B. Macey, Jr. Endowed Scholarship** was established in honor of Dr. Harry B. Macey, Jr.'s many contributions to Temple College and Temple College Foundation. Recipient must be majoring in a health care professions field, must be a full-time student, must be PELL eligible and must maintain a 3.0 GPA.

The **Dr. Ralph Wilson, Jr. & Sharon Marie Wilson Endowed Scholarship Fund** was established through a trust upon the passing of Dr. Ralph Wilson, Jr. Dr. Wilson was a highly successful local businessman who was renowned for his kindness and generosity in life. He had a tremendous philanthropic spirit and supported Temple College in many areas, including the Jean and Ralph Wilson Dental Hygiene Clinic which was dedicated in 2004. Applicant must have verifiable financial need and maintain a 2.5 GPA.

Durinda and G.C. Slough made accommodations in their estate to ensure that students at Temple College would have educational opportunities in the health sciences profession.

The **Ed Morgan Memorial Endowed Scholarship** was established by students and faculty with the help of the Morgan family after Dr. Morgan, a beloved science professor, lost his battle with cancer. Recipients must be enrolled in the Science department or the ADN nursing program, maintain a 3.0 GPA, demonstrate financial need, and exhibit potential and determination in their academic studies.

The **Elizabeth Blakely Jackson Scholarship** has been established by the John A. Jackson family. The scholarship is awarded to a student with a 2.5 GPA and an interest in sports or physical education.

Eva Marie and Jim Tranum Scholarship is available to graduating seniors from Temple, Belton, and Gatesville. Must maintain a 2.0 GPA. Selection made by the high school and Temple College.

The **First Class Scholarship** was created in 1986. Selection of recipients for the scholarship is made through the Scholarship Committee.

The **Four Winds Intertribal Society Scholarship** is awarded to an applicant of American Indian descent. Preference will be given to students who meet the required documentation in the following order: 1) member of a Federal Recognized Tribe (have nation card and CDIB card); 2) carded member of a State recognized tribe, card of tribal recognition (any tribe); or 3) be of native American Genealogical descent. Applicants must be enrolled in at least six semester hours, must maintain at least a 2.5 GPA, and demonstrate financial need.

First National Bank of Temple has established an annual $1500 per year scholarship for banking, business, or business technology majors. Students must maintain a 2.5 GPA. Applications are available on the Financial Aid web site.

The **G.V. Brindley, Jr., M.D. Scholarship for Health Care Professions** scholarship was established in memory of Dr. G.V. Brindley, Jr. by Temple College Foundation in recognition of the lasting contribution that he made to the Temple community and to the health care professions. The scholarship is awarded to health care professions majors.

As the Foundation's affinity partner, Geico has established the **Geico Endowed Scholarship** to benefit a freshman student at TC who demonstrates financial need.

The **Gina MacDougall Memorial Scholarship** is available for students age 17 or older who have passed the TC entrance assessment test. Applicants must be full-time students pursuing a degree in early childhood education, child development, or special or elementary education. Students must maintain a 2.5 GPA and exhibit financial need.

The **H. C. and Mary Farrell Scholarship** provides financial assistance to full time students participating in the performing arts department who maintain a 3.0 and demonstrate financial need. This scholarship was established and endowed by Dr. and Mrs. H. C. Farrell, Jr.

The **Hal Ward Business/Management Endowed Scholarship** was established by John D. Ward in tribute to his brother, Hal Ward who retired from Temple College in 2009 after 40 plus years of service. The applicant must be a Business/Management major, demonstrate financial need, be enrolled in at least 12 semester hours, and maintain a GPA of at least 2.5.

The **Hubert L. "Pinky" and Waldean D. Linder Endowed Scholarship** is awarded to students who have financial need and who show promise. Mr. and Mrs. Linder did not have any children of their own and because of their love for children, they wished to help young people to further their education.

The **Jack and Wanda Weinblatt Scholarship** has been established for City of Temple Firefighters and their families. Students may use funds for tuition, fees, and books.

The **Janicek Memorial Scholarship** provides financial assistance to a full-time Temple College student who maintains a 2.5 GPA. The scholarship was established in 1986 by Klara F. Janicek.

The **JELD-WEN Foundation** has established a one-year scholarship to needy students. The scholarship is the amount of $800 per year. Students must be entering freshmen and must be from the community in which a JELD-WEN facility is located.

The **Jessica June Wilson Beatty Memorial Scholarship** was established to honor the memory and continue the legacy of Temple College student, Jessica Wilson Beatty. Her family established the endowment in the hopes that her only child, Brentley Brooklyn Beatty will follow in her mother's footsteps, living everyday to the fullest. Her talent for painting, writing, singing and swimming and passion for music, camping, fishing, boating, dancing and karaoke define her life. During the summer, you would find her out at Lake Belton building castles in the sand with her daughter on the beach. Jessica's April 19th birthday falls just one month shy of the scholarships deadline and eligible applicants will demonstrate Jessica's determination and potential in the area of fine arts.

The **Joe B. and Louise P. Cook Foundation Endowment** was created in 2011 by the Trustees for the Cook Foundation.

The **John Allen Cox Memorial Art Scholarship** was established after his death on April 24, 2001, and later endowed by his wife, Louise Cox, a long-time employee of Temple College. The recipient is selected by the Chairman of the Visual Arts Department and a member of the Visual Arts Faculty, with assistance from the Temple College Foundation.

The **Josephine Reeves Art Endowed Scholarship** was established to provide financial assistance for students who attend Temple College. Recipients must be enrolled in the Visual Arts Department and must be PELL eligible. An endowed scholarship has been established in the name of Kiwanis Club Of Temple Project Foundation, Inc. to provide scholarships for Temple College students and those eligible to attend Temple College. Students must be enrolled full time. Preference will be given to students enrolled in educational entities within the borders of the City of Temple (to include Temple High School, Private Schools, Home Schools, etc.)

An endowed scholarship has been established in the name of **Kiwanis Club Of Temple Project Foundation, Inc.** to provide scholarships for Temple College students and those eligible to attend Temple College. Students must be enrolled full time. Preference will be given to students enrolled in educational entities within the borders of the City of Temple (to include Temple High School, Private Schools, Home Schools, etc.)

The **Linda Green Knight Scholarship Fund** was established by Mr. Barney Knight in celebration of his wife's, Linda Green Knight's, birthday. The recipient must be enrolled in 12 semester hours and must maintain an average grade of C. Recipients must be a graduate from Rogers ISD, Holland ISD, Bartlett ISD, Academy ISD, Salado ISD, Belton ISD, Temple ISD or Troy ISD.

The **Lions Club of Temple** gives annually a scholarship to a first-year college student. This award is based on scholarship with emphasis given in the field of athletics.

The **Louisa Mehaffey Scholarship** was established in honor of Mrs. Mehaffey, a retired member of the Temple College Language Faculty. It is awarded annually to a returning Temple College student who has demonstrated outstanding quality in scholarship, citizenship, and leadership.

The **Louise L. Cox Memorial Scholarship** honors one of Temple College's most revered employees. Louise L. Cox worked at Temple College for forty-six years. During that time, she served as Assistant to three College Presidents and also served as Executive Secretary to the Board of Trustees. She dedicated her professional life to Temple College as a loyal employee, supporter of education, and friend. The scholarship is for a student who is enrolled in business-related classes. The student must be a full-time student and maintain a 2.5 GPA. Incoming freshman must have an over-all 2.5 GPA.

The **Margaret "Maggie" Ward Memorial Art Scholarship** was established by the family and friends of Temple College student Maggie Ward. This scholarship is based on financial need and/or achievement and is awarded annually to a deserving art major.

The **Marguerite and Jack Calvert Scholarship** is available for students age 17 or older. Applicants must be full-time students, demonstrate financial need and must maintain a 2.5 GPA. Preference will be given to an athletic student.

The **Marie S. and Jerry Adamek Memorial Scholarship** provides a scholarship to a full-time TC student who resides in the Temple College District. Applicants must be pursuing a degree in Business/Business Education, must maintain a 2.5 GPA as a freshman and a 2.7 GPA as a sophomore, and demonstrate financial need.

The **Marie Wilkerson Endowed Scholarship** was established by Larry Wilkerson in memory of his wife, Marie Wilkerson. Mrs. Wilkerson was an accomplished business woman in the Temple community. The recipient must be enrolled in the LVN program with a minimum of six semester hours, maintain a 3.0 GPA, and show verifiable financial need.

The **Marjorie Ferrill Scholarship** was established in 2003 by Douglas Ferrill in honor of his wife, Marjorie Ferrill. The scholarship is to be awarded to a student deserving financial assistance.

The **Martin Group Nursing Scholarships** were established by the Dell Martin Family. Students must be enrolled in the ADN Nursing Program, show verifiable financial need, and maintain at least a 2.0 GPA.

The **Mary Alice Marshall Music Scholarship** was established in May 1973, by members and friends of the Temple College Choir. The scholarship, in honor of Mrs. Marshall's 18 years of teaching at Temple College, assists a student who exhibits an interest and talent in music and participates in the College Choir. A committee composed of the Chairman of the Music Department and two additional members of the Music Faculty selects the recipient.

The **Michelle Otto Caring Paramedic Endowed Scholarship** was established by her mother in order to honor her daughter's life and work as a paramedic. Michelle became a leader in her profession, and also took the time to write about her experiences as a paramedic helping people at times of sever crisis. The scholarship is awarded to a student with a 2.5 GPA in the EMT or paramedic program who submits an additional essay describing an experience when they have demonstrated deep caring for another individual. Preference will be given to students referred by the Director of Fayette County EMS.

The John A. Jackson family has established a scholarship in honor of **Mr. O. A. Graeter, Sr**. The scholarship is awarded to an honor graduate with vocational and/or science interest.

The John A. Jackson family has established a scholarship in honor of **Mrs. O. A. Graeter, Sr.** . The scholarship is awarded to a student with a 2.5 GPA and an interest in the performing arts.

The John A. Jackson family has established a scholarship in honor of **Mr. and Mrs. O. A. Graeter, Jr**. The recipient must be enrolled full-time in the Athletics or Health Sciences Departments with a minimum of a 2.5 GPA.

An endowed scholarship has been established in the name of **Nadine Kinchen Benoit**, who was a registered nurse. Students must be in the ADN Program, resident of Bell County, and maintain 3.0 GPA. Patricia Benoit and Dr. Weldon Cannon established the endowment in memory of her mother. Students must be in the ADN program, resident of Bell County, and maintain a 3.0 GPA.

Nigliazzo Memorial Scholarship established in memory of Dr. Marc Nigliazzo's mother, Salvatora Nigliazzo. Recipient selected by Dr. Nigliazzo, Temple College Foundation, and Financial Aid Office. Based on special needs.

The **PCF Athletic Scholarship** is awarded to a deserving female student athlete who is enrolled full-time (12 semester hours) and who is a returning student with a 2.5 GPA. The recipient must maintain a 2.5 GPA. Scholarship recipient is selected by the TC Financial Aid Office, the Temple College Foundation, and Talma Botts.

The **Review Club** offers annually a scholarship to either a first-year college student or a high school graduate. This scholarship is awarded on general excellence and accomplishment.

The **Rose Brasher Lindley Endowed Scholarship** has been established by her niece, Rose Anne Brasher. Student(s) must be enrolled in the Associate of Arts Degree program, must maintain a 2.5 GPA with no failing grades, enrolled full time (12 hours) and have earned a high school diploma.

The **Rosemary B. Hauser Scholarship** was established to honor the years of service Ms. Hauser gave to the Foundation as the Executive Director. Recipients must be enrolled in a fine arts program and maintain a GPA of 2.5 or higher.

The **Rotary Club of Temple** gives scholarships annually. The scholarships are open to freshmen men and women who plan to return to Temple College the next year.

The **Ruby E. Arnett Endowed Scholarship** is for a student who is enrolled in a Health Sciences major.

The **Rusty Morales Memorial Scholarship** was established in memory of Judy Morales-Steinheimer and Michael Steinheimer's son, Rusty Morales. It is awarded to a student who exhibits financial need, and has received special education or is eligible for DAR services. It can be awarded for dual credit students, developmental classes, or any other course offered by Temple College.

The **Ruth Ferrill Scholarship** was established in 2003 by Douglas Ferrill in memory of his late wife, Ruth Ferrill. The scholarship is awarded to a graduate of Temple High School who has demonstrated an interest in teaching or business.

The **Ruth Howard Endowed Scholarship** Is available to any student attending Temple College. The award was established by Ms. Howard in her estate.

The **Scott and White Memorial Auxiliary (Yellow Birds) Scholarships** are awarded to students interested in pursuing a career in a health-related or medically related field. These scholarships are based on financial need and academic potential.

TEDC/Charles H. Page III Memorial Scholarship is available to students pursuing a degree in Management/Business or the owner of a small business. Students must maintain a 2.5 GPA.

Temple College offers a scholarship to each high school Valedictorian and Salutatorian in the Central Texas area. These scholarships pay tuition and fees and are good only for the year following their graduation from high school.

The **Temple Jaycees Scholarship** was established by the Jaycees of Temple to assist students at Temple College who exhibited financial need.

In memory of Tom Forkner, the Tom Forkner Scholarship Fund is designed to provide future deserving nursing students with scholarship aid. Recipients must be full time returning students in the LVN program who have demonstrated financial need.

The **Travis Edward Ramsey Endowed Scholarship** has been established in memory of Travis Edward Ramsey. The scholarship is limited to student(s) who are either in the Surgical Technology program or the ADN program with a preference given to Surgical Technology Majors. The recipient must maintain a 2.5 GPA. Applicants must submit a short essay 50 to 150 word describing their beliefs on how they can contribute to surgical patient care.

The **Virgil and Fay Chaffin Memorial Scholarship** was established in memory of Virgil and Fay Chaffin, both of whom attended TC and later received degrees in Education. Recipients must be full time students.

The **Virginia Creech Scholarship for Creative Writing** is awarded in the name of Virginia Creech to a student who is interested in poetry and pursuing creative writing.

The **Virginia Katherine Denson-Dickson Scholarship** provides assistance to a deserving TC student. The scholarship was endowed by Frank P. Dickson, Sr. in memory of his wife, Virginia, a former student of TC.

The **Weldon G. Cannon Teaching Scholarship** has been established by Dr. Weldon G. Cannon, former Temple College history professor and Ms. Patricia Benoit. Dr. Cannon is a retired Temple College history professor. Recipients must be enrolled in the Associate of Arts degree in Teaching (AAT) program. They must be a resident of Bell or adjoining counties including: Milam, Williamson, Falls, McLennan, Coryell, Lampasas, and Burnet. A 3.0 GPA is required.

The **Wesleyan Homes Endowed Scholarship** was established in 2011. Recipients must be enrolled in the Nursing Department, must have a GPA of 3.0, and must be enrolled full-time (minimum of 12 hours). Preference is given to applicants recommended by the Wesleyan Homes Director of Nursing and students residing in Georgetown.

The **William Floyd Tippit Criminal Justice Scholarship** was established in his memory by his family. The scholarship is awarded yearly to a criminal justice major by the Criminal Justice Department.

The **William J. Matush Endowed Scholarship** has been established in memory of his parents, Frank and Janie Matush. Criteria for the scholarship includes applicant must be of Czech heritage (descendents of Czech families, partial Czech heritage is acceptable), applicant(s) must be enrolled in an Associates degree program, must enroll full time (12 hours) and recipients must meet the minimum GPA required for graduation (2.0 GPA).

The **Winston L. Liles Scholarship** was established by family and friends in memory of Winston L. Liles. The scholarship is awarded to a returning sophomore at Temple College. Recipients must maintain a 3.0 GPA and demonstrate financial need.

The **Woodrow W. and Bernice Pausewang Endowment** was established by Marjorie Ferrill in honor of her aunt and uncle. The student must be enrolled in the Associate of Arts/Science Degree program, must be a graduate of Holland High School and must maintain a 2.5 GPA.

The **Wynne T. and Mae Danforth Scholarship** was established by Dr. Robert J. and Lajuana D. Carabasi. Recipients must be majoring in either a fine arts discipline or in a health care discipline. The recipient must demonstrate financial need, must be a full-time student and must maintain at least a 2.5 GPA.

Local organizations and civic groups have awarded the following scholarships to students in and around the area:

AMERICAN BUSINESS WOMEN'S ASSOCIATION - CHISHOLM TRAIL
ASSOCIATE DEGREE NURSING SCHOLARSHIP
BBVA COMPASS
BELTON EDUCATIONAL ENRICHMENT FOUNDATION
BELTON ROTARY CLUB
BOLDING HISPANIC SCHOLARSHIP
BUCKHOLTS BOOSTER CLUB
BUCKHOLTS LIONS CLUB
CAMERON ARTS AND SERVICES
CAMERON ROTARY CLUB
CAMERON VFW
CHARLES P. WILSON FAMILY
CHICK-FIL-A
CITIZENS SCHOLARSHIP FOUNDATION
CLAIMS ADMINISTRATIVE SERVICES, INC.
CREAL/KENNEDY NURSING
EBONY CULTURE SOCIETY
ELK LODGE/ORDER OF DOES
FORT HOOD MILITARY FAMILY
FOUNDATION OF BOWLING
ANGELICA GANDARA SCHOLARSHIP
G. L. POWELL
H. E. B. GROCERY SCHOLARSHIPS
HERO SCHOLARSHIP
HISPANIC SAMARITAN
HISPANIC LEADERSHIP COUNCIL
HUGG TRUST FUND
JARRELL INDEPENDENT SCHOOL
JOHNSON BROS. FORD LINCOLN
KING'S DAUGHTERS NURSING
KNIGHTS OF COLUMBUS
LADIES BELL POST-VFW 1820
LULAC

NAACP
JANET PERRY SCHOLARSHIP
PURIFOY FAMILY
PROJECT GRADUATION
RALPH WILSON PLASTICS
ROGERS PTO
ROSEBUD-LOTT BOOSTER CLUB
S.P.J.S.T.
SALADO ISD
SCOTT AND WHITE LVN TRAINING
SOUTHWESTERN BELL
TEMPLE AMATEUR RADIO CLUB
TEMPLE BELL RETIRED TEACHERS
TEMPLE COLLEGE FOUNDATION
TEMPLE EDUCATION FOUNDATION
TEMPLE HIGH SCHOOL OFFICE EDUCATION ASSOCIATION
TEMPLE HIGH SCHOOL PTO
TEMPLE HOUSING AUTHORITY
TEMPLE SOUTH ROTARY
TEMPLE SUNRISE ROTARY CLUB
TEMPLE VA WOMEN'S CLUB
TEMPLE WILDCAT CADDIE
TISD FOOD SERVICE ASSOCIATION
TISD MINORITY SCHOLARSHIP
TROY EX-STUDENTS
TROY PTA
WAL MART FOUNDATION
YOEMAN BAND BOOSTER
YOEMAN BOOSTER CLUB

Refunds

To be eligible for a refund, a student must officially drop or withdraw. No refunds will be made after August 31 of the fiscal year of withdrawal. Refunds will be made according to the following formula.

	Fall and Spring Semesters
	16-Week Courses
Prior to the first class day	100%
For class days 1 to 15 (inclusive)	70%
For class days 16 to 20 (inclusive)	25%
After the 20th day of classes NO	No Refund
	Summer Term
Prior to the first class day	100%
For class days 1 to 5 (inclusive)	70%
For class day 6 (inclusive)	25%
After the 6th day of classes	No Refund

Concurrent Enrollment

Section 54.062 of the Texas Education Code permits an adjustment in the minimum tuition charge when a student is concurrently registered at more than one public institution of higher education. The student shall pay the full tuition charge to the first institution at which he/she is registered. If the minimum tuition at the first institution is equal to or greater than the minimum tuition for the second public institution at which the student is registered concurrently, the student shall not be required to pay the specified minimum tuition charge to the second institution, but shall pay only the hourly rates to the second institution along with institutional fees.

The student shall first register at the institution having the lower minimum tuition and shall pay to the second institution only the amount equal to the difference between his/her total tuition charge at the second institution and his/her total tuition charge at the first institution, but in no case shall the student pay to the second institution less than the hourly rates.

To qualify for the reduced minimum charge with Temple College as the second institution, the student must present a class schedule and official tuition and fee receipt for that semester to the Admissions and Records

Student Life

Temple College has 19 student clubs/organizations on campus. Through these clubs/organizations, students are given an opportunity to become involved in planning activities, making new friends, and developing leadership skills. Included are governmental organizations, religious organizations, academic organizations and recreational groups.

For information regarding sponsorship, please ask the Director of Student Life for a copy of the Sponsorship Handbook. Also available is the Student Life Handbook for student organizations to use.

African-American Student Association (AASA)
Organized in 1975, this organization sponsors programs and educational activities for African-American students to enhance the overall race relations program at Temple College. Membership is open to all Temple College students.

Associate Degree Nursing Student Organization (ADNSO)
Membership is restricted to students currently enrolled in the Associate Degree Nursing program. ADNSO promotes opportunities to develop experience in contributing to a professional organization and enhances member knowledge of health care concerns or issues.

Association of Respiratory Care Students (ARCS)
This organization is designed to promote interest and awareness in Respiratory Care, to further awareness of technological advancements, and to broaden the scope of study in Respiratory Care. Its membership is restricted to those students enrolled in the TC Respiratory Care program.

Association of Student Surgical Technologists (ASST)
This organization is designed to promote interest in Surgical Technology and to further member's awareness of technological advancements through workshops, meetings, and visits to medical centers. Membership is restricted to those students enrolled in the Temple College Surgical Technology program.

Association of Student Vocational Nurses (ASVN)
Membership in ASVN is restricted to students currently enrolled in the Vocational Nursing Program. The purpose of this organization is to promote understanding of the nursing fields and related areas and to further the members' awareness in technological advancements through workshops, meetings and visits to medical centers and nursing seminars.

Chess Club
The mission of the Chess Club is to promote and support the enjoyment of the game of chess. The club is open to all students, faculty and staff who are encouraged to participate in all club functions and activities.

EWCHEC Student Ambassadors
The purpose of this organization is to provide any EWCHEC student the opportunity to support the local community through volunteer efforts and promote the East Williamson County Higher Education Centers through partnerships in the community.

Lambda Alpha Epsilon
The American Criminal Justice Association has approved Temple College Criminal Justice Club as the Sigma Zeta Tau Chapter of Lambda Alpha Epsilon. The purpose of this organization is to give students with similar goals the opportunity to join together for social and professional functions. Joining together with law enforcement agencies in the community gives students a better understanding of the complex problems facing law enforcement today. Students wishing to become members must be enrolled in Temple College, either taking courses or majoring in criminal justice.

Literary Club
This club is for any Temple College student who writes and/or enjoys literature. This club provides an outlet for creative writing for a literary magazine called "STONE S," which gives students a place to share their work and receive feedback from fellow writers and poets, and helps train future writers and poets for self-publishing ventures and/or professional writing.

Philosophy Club
The Philosophy Club is for students who want to explore and clarify issues of truth, value, and moral concern. The club is for students with an inquiring mind and a passion for knowledge. It is a great way for students to come together and discuss philosophy and its place in today's society.

Science Club
The purpose of the Science Club is to promote and strengthen the appreciation of science. The club supports and sponsors activities relating to the application of science.

Sign Language Club
The Sign Language Club promotes social interaction for deaf, hearing impaired, and hearing students using and learning American Sign Language. This organization promotes the educational development of interpreting students on campus. The club gives students who are studying sign language an opportunity to use and improve their language skills.

Straight Gay Alliance
The purpose of this organization is to promote awareness and educate our campus and the community about the lesbian, gay, bisexual, and alternative sex and gender culture. The group provides support for the lesbian, gay, bisexual and transgender individuals on campus and their families and friends.

Student American Dental Hygienists' Association (SADHA)
This organization is open to students who are enrolled in the Dental Hygiene program. The purpose of SADHA is to cultivate, promote, and sustain the art and science of dental hygiene, to represent and safeguard the common interest of members of the dental hygiene profession, and to contribute toward the improvement of the oral health of the public.

Student Veterans of America (SVA)
This organization provides a social group and support structure to help veterans adjust to and become successful in civilian and college life. It raises awareness for veterans issues and facilitates the dissemination of information to veterans. It also promotes community service and volunteerism as well as organizes worthwhile projects and events pertaining to veterans and their needs and issues.

Temple College Dance Team
The Dance Team promotes fellowship among dancers in our school as well as surrounding areas by sponsoring activities, performance opportunities and workshops.

Temple College Democrats
The purpose of this club is to support and promote ideas of the National Democratic Party, recognizing the humanitarian concern

for the equal rights and opportunities of all people as a primary concern of government. This club is open to any Democrat student of Temple College.

Temple College Republicans
The purpose of this club is to support and promote ideas of the National Republican Party, recognizing the humanitarian concern for equal rights and opportunities of all people as a primary concern of government. This club is open to any Republican student at Temple College.

United Way Collegiate Leadership
The purpose of this organization is to identify and resolve pressing community issues as well as making measurable changes in the communities through partnerships with other in the community.

Young Adult League of United Latin American Citizens (LULAC)
The purpose of this organization is to cultivate a better understanding of the Latin-American culture and its relation toward the students and the community, to perform services related to the TC and the community, to promote more interest in Spanish, and to encourage Latin-Americans to continue their education. Membership is open to all students enrolled at Temple College and those specifically interested in the Latin-American culture.

Honor Societies

Phi Theta Kappa (PTK)
This international junior college honorary scholastic society granted Lambda Theta, the local chapter, a charter on November 17, 1960. To be eligible for membership, a student must have completed 12 semester hours leading to a degree conferred by the College and rank academically within the upper 10 percent of the student body. Members are selected on the basis of character, citizenship, and scholarship.

Psi Beta
This national honor society in psychology for community colleges is designed to stimulate, encourage, and recognize scholarship and interest in psychology. To be eligible for membership, a student must have completed one course of psychology with a "B" or better and have an overall GPA of 3.0.

Scholars Program

Langston Hughes Scholars Program
The purpose of this program is to provide academic support, mentoring and scholarships for African-American students at Temple College. The Langston Hughes Scholars program will offer cultural enrichment, field trips, stimulating film series, and musical festivals.

Religious Organizations

Baptist Student Ministries (BSM)
Organized in January of 1964, the Baptist Student Ministries was the first religious organization affiliated with the College. The purpose of this group is to provide weekly programs of worship, inspiration, and study that will be in keeping with Christian living. BSM is a Christian student organization open to all students regardless of their denominational affiliation.

Student Affairs Organizations

Student Government Association (SGA)
Organized as the College Council in 1950, the present Student Government Association (SGA) has evolved through several constitutional revisions since its inception. Membership is made up of the elected officers. The objectives of the Student Government Association are to assist in the development of the student body, coordinate student activities, seek an understanding of and a solution to student problems, serve as the coordinating body of the social/service organization, and provide student input into the administration of Temple College.

Student Activities

Social Events: Various activities are scheduled on the College Calendar each semester where students and faculty enjoy together the social life of the College.

Musical Organizations:
The opportunity to participate in excellent instrumental and choral groups is available to Temple College students through the Music Department. Bands, choirs, and numerous smaller ensembles are organized each year. If interested, contact the Division of Fine Arts, (254) 298-8555.

Theatre-Speech:
Students interested in Speech and Theatre activities can participate in the preparation of plays for festivals as well as various types of speeches for contests and festivals. If interested, contact the Division of Fine Arts, (254) 298-8555.

Student Housing

University Courtyard Apartments
On-campus housing is available in a modern apartment-style apartment complex. The units are designed in a one, two, and four bedroom floor plans and are fully furnished. Security features include panic alarms. The rental cost includes all utilities, high-speed Internet service, cable TV, and local telephone service. For information, call (254) 791-5400.

Temple College Apartments
Affordable, on-campus housing is available for low-income student families through a partnership between the Temple Housing Authority and Temple College. There are 25 one and two bedroom apartments. Residents must meet THA screening requirements. For information contact the Temple Housing Authority, (254) 773-2009.

Use of Facilities, Student Conduct and Responsibilities

The administration of Temple College, under the authority granted it by the Board of Trustees, has established the following rules and practices concerning the use of facilities and student conduct and responsibilities. A student seeking recourse under these rules and practices may appeal to the Vice President of Educational Services. Further appeals may be made to the President.

Facilities

The facilities at Temple College, including those within the buildings and those on the campus, are for the benefit of students enrolled in the College. These facilities are directly under faculty supervision. From time to time, subject to the approval of the administration, these facilities may be used by those not enrolled, and who have received approval of the administration for said use. The use of the facilities must be in conformity with the rules of the administration, and must not interfere with use of college purposes in any respect. Use of classrooms and offices by students enrolled shall be under the supervision of those in charge during the hours that they are available. When not available to the students they will be under the direct supervision of the administration, or delegated personnel. Persons not enrolled, or connected with the staff, may be prohibited by the administration at any time, not only to classrooms and offices, but also to the entire campus area. Commercial advertising and/or solicitation is not permitted anywhere on the campus except by those organizations sponsoring programs which have been endorsed by the College. Persons violating any rules heretofore specified shall be advised, and counseled, regarding these rules.

Student Conduct and Responsibilities

Through enrollment at Temple College, students signify that they recognize the authority of the College in governing their actions in relation to the College, and they automatically agree to abide by any regulation concerning students and/or student organizations set up by the College or its representatives. A detailed description of student disciplinary procedures may be found in the Student Handbook. Weapons are prohibited on the TC campus. The possession or use of alcoholic beverages or narcotics on the campus may be cause for disciplinary action. This also is true of a student who comes on the campus while under the influence of either of the two. Any action by one or more individuals, whether students or non-students that interferes with the orderly operation of the College will be the cause of disciplinary action or possible arrest by authorized peace officers. A student may be requested or required to withdraw with or without public charges by the College administration. The College does not wish to provide a policy regarding dress for students, but does feel that it is the responsibility of the student to maintain standards of good taste and good grooming which are in keeping with generally accepted standards. Appropriate campus dress for men and women depends upon the occasion or specific event that the student attends. Modes of dress that are in keeping with current styles and are generally acceptable in the extended college community are deemed to be the most acceptable and appropriate. College representatives will call modes of dress deemed inappropriate to the attention of the offending student.

Parking and Traffic

All vehicles regularly driven on campus by both students, faculty and staff, must bear a current parking permit and must be parked in authorized areas and in the proper manner. It is the responsibility of anyone bringing a vehicle onto the campus to become familiar with the "Traffic Rules & Regulations" found in the Student Handbook.

Library

The H. M. Dawson Library has a collection of more than 55,000 books, nearly 300 current periodical subscriptions and thousands of audiovisual items, including videos, compact discs, microfiche and film. The library's online catalog provides access to Temple College's collection as well as access to over 70,000 electronic books.

Temple College belongs to TexShare, a statewide system which allows reciprocal borrowing privileges to current students, faculty and staff at all participating college and university libraries in Texas. Through TexShare, Temple College students have access to over 50 online databases many of which display the full-text of the original journal or book. Materials not owned by Temple College or unavailable through the online databases may be ordered through interlibrary loan for little or no cost.

Facilities of the H. M. Dawson Library include study carrels and tables, small group conference rooms, audiovisual viewing and listening areas, wireless Internet access and a computer lab where students can do research, access the Internet, type research papers and complete assignments.

The library staff provides reference assistance and instruction in the use of the library and its online resources.

Admission to College

Equal Educational Opportunity

It is the policy of Temple College that all persons shall receive equal opportunities in admission or access to, or treatment or employment in, its programs and activities, without regard to race, religion, color, disability, sex, age, national origin, or veteran status. These benefits include but are not limited to such matters as housing, financial assistance, recruitment, and any type of personnel service.

Application for Admission

Prospective students may make formal application by submitting an Application for Admission to Temple College or by submitting online using the Texas Common Application and providing required transcripts for all institutions attended prior to registration. Admission to TC does not guarantee admission to specific courses or programs of study. Prerequisites are required for some courses, and departmental approval is required prior to registering for certain Health Sciences programs. Temple College will refuse admission or re-admission to any applicant who does not comply with admissions procedures permanently.

Methods of Admission

Beginning Freshmen:

a. **High School Graduates**: Graduates from an accredited high school must have an official copy of their high school transcript showing graduation date on file before final admission is granted. Graduates from unaccredited high schools may be eligible for admission under "C" below.
b. **GED**: Applicants who successfully complete the General Education Development (GED) Test and receive the Certificate of High School Equivalency must have their test scores and Certificate of Equivalency on file with the Admissions and Records Office before final admission can be granted.
c. **Non-Traditional Secondary Educational Completion**: Students who are under 18 years of age and who are applying for admission based on the completion of an independent study equivalent to the high school level in a non-traditional setting rather than through a public high school, accredited private high school, or home school may be admitted on an individual approval basis provided that they:
    1. Present a notarized record of the high school equivalent work completed and the date of successful completion. This work should be consistent with Texas Education Agency minimums for high school completion
    2. Comply with institutional testing requirements
    3. Agree to limitations or conditions of admission established by the institution.
d. **Non-traditional High School Dual Credit**: Students in non-traditional programs who seek Dual Credit enrollment in Temple College must meet the following conditions:
    1. High school students who enroll in Dual Credit classes must take the assessment test approved by the state of Texas or meet exemption criteria prior to enrolling in any college level course(s). The students must pass the section(s) related to the course(s) in which they intend to enroll. For testing scores and information please see Testing section of Temple College Catalog.
    2. Initially, all students eligible for enrollment must submit a general admission application, a new Dual Credit/Early Admission enrollment application, a residency form, and a high school transcript. Prior to enrolling in any consecutive semester, a Dual Credit/Early Admission application must be submitted. Upon graduation from high school, a high school completed transcript with graduation date posted must be submitted to the Temple College Admissions and Records office.
e. **Early College/Middle College Enrollment for High School Students**: Students must meet the testing requirements listed in the following paragraphs:
    1. High school students who enroll in early college classes must take the Texas Success Initiative (TSI) assessment test or meet exemption criteria prior to enrolling in any college level courses. These students must pass the section(s) related to the course(s) in which they intend to enroll.
    2. High school students eligible for enrollment in a level-one certificate program must have taken all required sections STAAR test or all sections TSI Assessment test.
    3. High school students eligible for enrollment in a level-two certificate program must take the TSI assessment test or meet exemption criteria.
    4. Initially, all high school students eligible for Early College enrollment must submit a general admission application, Dual Credit/Early Admission registration form and a current official high school transcript showing all work completed and the STAAR scores. Prior to enrolling in any consecutive semester, a new Dual Credit/Early Admission registration form must be submitted. Upon graduation from high school, an

official high school transcript with graduation date posted must be submitted to the Temple College Admissions and Records office before a Temple College transcript can be released.

f. **Early Admissions Enrollment for High School Students**: Students must meet the testing requirements listed in the following paragraphs.
    1. High school students who enroll in early admission classes must take the Texas Success Initiative (TSI) assessment test or meet exemption criteria prior to enrolling in any college level courses. These students must pass the section(s) related to the course(s) in which they intend to enroll.
    2. High school students eligible for enrollment in a level-one certificate program must have taken all required sections of the STAAR test or all sections of the TSI Assessment test or all sections of the Preliminary Scholastic Aptitude Test (PSAT/National l Merit Scholarship Qualifying Test (NMSQT).
    3. High school students eligible for enrollment in a level-two certificate program must take the Texas Success Initiative (TSI) assessment test or meet exemption criteria.
    4. Initially, all high school students eligible for Early Admission enrollment must submit a general admission application, a Dual Credit/Early Admission registration form signed by a high school counselor, etc., and a current official high school transcript showing all work completed and the STAAR or PSAT scores. Prior to enrolling in any consecutive semester, a new Dual Credit/Early Admission registration form must be submitted. Upon graduation from high school, an official high school transcript with graduation date posted must be submitted to the Temple College Admissions and Records office before a Temple College transcript can be released.
    5. Early Admission enrollment will not receive the Temple College dual credit discount.

g. **Individual Approval**: Applicants over 18 years of age may be admitted to Temple College without a high school diploma or a GED examination. Students must provide evidence that they can successfully complete college work. Please be aware without a GED or high school diploma financial aid cannot be awarded.

h. **Transfer Students-Degree/Certificate Seeking**: A student who is eligible to re-enter the college that they last attended is eligible for admission to Temple College by transfer of credits. The student is required as part of the admission process to submit official transcripts from all other institutions attended. Transcripts must bear the College seal date and appropriate signature and must be in a closed, sealed envelope to be considered official. Transcripts should be mailed directly to the Admissions and Records office from the other institution(s). In some cases, Temple College will accept a hand-delivered transcript as long as the transcript is submitted in a closed, sealed envelope from the other institution. Transcripts that are not in a closed and sealed envelope will not be acceptable and will not be considered official. Students on academic probation at the transfer institution will be admitted on probation to Temple College and must earn a grade point average of 2.0 during their first semester in attendance at TC. If the student is on suspension from the transfer institution, TC will honor that suspension. Credit for courses passed (grade of D or better) may be transferred only from regionally accredited colleges or universities. No credit will be allowed from U.S. institutions not regionally accredited. Students with proficiencies gained in non-accredited institutions should see the section of this catalog on credit by examination. Coursework from institutions outside the U.S. will be considered on a case by case basis and these students will be required to furnish an evaluation of their courses by a member of Naces.

i. **Transfer Student-Non-Degree/Certificate Seeking:**
    1. To be admitted under non-degree/non-certificate status, an applicant must complete these requirements: Complete an application for admission to TC, showing method of entry as a non-degree, non-certificate seeking student.
    2. Provide TC with an official transcript from all college or universities attended. Transcripts must bear the College seal date and appropriate signature and must be in a closed, sealed envelope to be considered official. Transcripts should be mailed directly to the Admissions and Records office from the other institution(s). In some cases, Temple College will accept a hand-delivered transcript as long as the transcript is submitted in a closed, sealed envelope from the other institution. Transcripts that are not in a closed and sealed envelope will not be acceptable and will not be considered official. Students on academic probation at the transfer institution will be admitted on probation to Temple College and must earn a grade point average of 2.0 during their first semester in attendance at TC. If the student is on suspension from the transfer institution, TC will honor that suspension. Credit for courses passed (grade of D or better) may be transferred only from regionally accredited colleges or universities. No credit will be allowed from U.S. institutions not regionally accredited. Students with proficiencies gained in non-accredited

institutions should see the section of this catalog on credit by examination. Coursework from institutions outside the U.S. will be considered on a case by case basis and these students will be required to furnish an evaluation of their courses by a member of Naces.

3. Should a student who is originally admitted as a non-degree/non-certificate seeking student decide to pursue a degree at Temple College, the student must, at that time, complete the admission procedures outlined for degree-seeking transfer students and must abide by all requirements under the Texas Success Initiative.

j. **Readmission**: A student who has not attended Temple College within the last 12 months must apply for readmission through the Admissions and Records office. If the student has attended any other colleges or universities since his/her previous enrollment at TC, the student is required to submit an official transcript from that institution. Official transcripts may be mailed directly to TC from the other institution or may be submitted in a closed, sealed envelope. The student will be placed under the current catalog year.

k. **Admission of Non-Citizen Students:** TC recognizes three categories of non-citizen students. The following admission requirements apply to students who are not U.S. citizens:

1. Permanent Residents: Submit a copy of the I-797 and green card, and then meet the same admission requirements as a U.S. citizen.
2. Refugee: Submit a copy of form I-94 indicating refugee status and then meet the same admission requirements as a U.S. citizen.
3. Non-Immigrant Alien: The following requirements apply to all applicants holding a non-immigrant visa issued by the U.S. Bureau of Citizenship and Immigration Service (USCIS) and non-citizen applicants who do not qualify for admission as a permanent resident or refugee.
    a. Temple College application for admission: Applicants must turn in an application for admission at least 60 days prior to the first class for the semester in which they are seeking admission. Applicants must pay the International Student Application fee as determined by the tuition and fee scheduled adopted by the Temple College Board of Trustees.
    b. USCIS paperwork: Applicants must contact the International Student Advisor regarding documents that may be needed for their non-immigrant status.
    c. Records of previous education: Applicants who have graduated from high school must submit an official high school transcript. Applicants who have college credit must submit official transcripts from each college or university attended. All foreign transcripts must be evaluated by a service that is a member of the National Association of Credential Evaluation Services (NACES). For more information, please visit www.naces.org.
    d. Test of English as a Foreign Language (TOEFL); Applicants whose primary language is not English, must take the TOEFL exam. Applicants must score 500 or above on the written exam, a 173 or above on the computerize exam, or a 61 or above on the IBT to be considered for admission. An application and a list of test centers for the TOEFL may be obtained by writing to: TOEFL, Educational Testing Service, Princeton, NY 08540 or visiting http://www.ets.org/toefl/.
    e. Proof of financial support: Applicants must submit proof of financial support during their time at TC. Applicants must also submit a current bank statement with conversion to U.S. dollars to satisfy this requirement. Applicants must contact the International Student Advisor for more information regarding financial documentation.
    f. Proof of accident and medical insurance. All international students are required to maintain student accident and medical insurance. As part of this plan, the student also must have a provision for repatriation/medical evacuation coverage. Proof of insurance is required no later than 14 days after arrival in the U.S. Please provide proof of insurance to the International Student Advisor.
    g. All required documentation must be on file with the International Student Advisor before an admission decision can be made and proper non-immigrant documents issued.
    h. International students who are in the U.S. attending another college or university will be considered for admission as a transfer student. Please see International Student Advisor for a list of documents that will have to be turned in with the application.

l. Temple College will refuse admission or readmission to any applicant or student that has had a U.S. Citizenship and Immigration Services (USCIS) violation.

Immunizations

Students Entering from United States

The Texas Legislature mandates that all students entering Temple College in the spring 2014 semester, under the age of 22 are required to show evidence (Certificate signed by a health practitioner or an official immunization record.) of having had a vaccination against bacterial meningitis within a five-year period immediately preceding the first day of the semester. All first-time at Temple College students, transfer students, and students who have taken a leave of absence from Temple College in either a fall or spring semester must show evidence of having received this vaccination. Proof of shot must be provided to Admissions and Records prior to registration.

Acceptable Evidence of Vaccination Includes:

1. The month, day, and year the vaccination was administered, along with the signature or stamp of the physician or his/her designee, or public health personnel; or
2. An official immunization record generated from a state or local health authority; or
3. An official record received from school officials, including a record from another state.

A student, or a parent or guardian of a student, is not required to submit evidence of receiving the vaccination against bacterial meningitis if, under one of the following circumstances, the student or a parent or guardian of a student submits one of the following to the institution:

1. An affidavit or a certificate signed by a physician who is duly registered and licensed to practice medicine in the United States, in which it is stated that, in the physician's opinion, the vaccination would be injurious to the health and well-being of the student; or
2. An affidavit signed by the student stating that the student declines the vaccination for bacterial meningitis for reasons of conscience, including a religious belief. A conscientious can be found at:
   https://webds.dshs.state.tx.us/immco/

These exceptions do not apply during a disaster or public health emergency, terrorist attack, hostile military or paramilitary action, or extraordinary law enforcement emergency declared by an appropriate official or authority from the Texas Department of State Health Services.

Please note: If a student has previously taken the vaccine, he/she must still follow acceptable evidence of vaccination above. The bacterial meningitis vaccine lasts for up to five years. A conscientious exemption form is valid for two years.

Residency Requirements

Each student must show proof of both Texas and College District residency in order to pay resident and in-district tuition and fees. H.B. 1147 requires all students to complete an Oath of Residency and complete a Residency Questionnaire developed by the Texas Higher Education Coordinating Board at the time of registration. If, as the answers to the questions are reviewed by college officials, there remain questions as to the students proper residency classification, the student must provide a copy of one or more appropriately dated documents which will establish Texas or in-district residency.

The student is responsible for enrolling under the proper residency classification and for providing documentation as required by the institution. If there is any question about classification as a resident of Texas, the student must seek clarification from the Director of Admissions and Records prior to enrollment.

Students classified as non-residents or out-of-district upon first enrollment at Temple College are presumed to be non-residents or out-of-district for the period during which they continue as students. Students who believe they are eligible for residency reclassification must submit a Request for Change of Residency Status form with appropriate documentation to the Admissions and Records office and meet the requirements for reclassification. This request must be submitted prior to the official census date of the term in order to have the request considered for that term.

Determining State Residency

The rules for determining state residency are:

- Individuals 18 years of age or over who lived in Texas 12 months before enrolling are entitled to classification as a resident.
- For dependents over 18, residency is determined by the parent who claims the student for federal income tax purposes both at the time of enrollment and for the tax year preceding enrollment.
- Persons classified as non-resident students upon first enrollment are presumed to be nonresident for the period during which they continue as students.
- Students enrolling before having resided in the state for 12 months immediately preceding time of enrollment are classified as non-residents for tuition purposes.

The following documents are some of the things students can use to provide evidence of Texas residency:

1. A transcript showing graduation from a Texas high school within the 12 months before enrollment.
2. A permanent Texas driver's license issued 12 months prior to the time of enrollment.
3. A W-2 form or pay statement showing employment in Texas 12 months preceding enrollment.
4. Purchase of a homestead 12 months before time of enrollment.
5. Voter's registration card issued 12 months prior to time of enrollment.

Determining In-District Residency

For the purpose of determining in-district or out-of-district status, TC applies the state rules and interpretations, but substitutes six months for length of residency, out-of-district for out-of-state references, and in-district for in-state references. The Temple College District is coterminous with the Temple City Limits and the Temple Independent School District. Once students have met the state residency requirements, they can verify their in-district residency by presenting one or more of the following types of documentation. This documentation must show an in-district address for the six months immediately prior to enrollment:

1. A permanent Texas driver's license with current address
2. A lease agreement which includes the student's name
3. A utility bill
4. A voter's registration card
5. A payroll check stub
6. A property tax statement showing payment of Temple College District taxes

If you have any questions, please call the Admissions and Records office at 298-8330.

The Board of Trustees of Temple College authorizes two exceptions to residency classifications. Persons who own property which is subject to ad valorem taxation by the district may receive a waiver of the difference between the out-of-state or out-of-district rate and the in-district rate of tuition for themselves and their dependents. The person, or his/her dependents, applying for such waiver shall verify property ownership by presenting an ad valorem tax statement or receipt, issued by the tax office or the district; or by presentation of a deed, property closing statement or other appropriate evidence of ownership of property, which is subject to ad valorem taxation by the district. In addition, persons under the age of 23 whose parents are divorced may be classified as in-district if they are state residents and provide acceptable documentation that either parent is a resident of the district.

Military Personnel and Dependents

Persons in military service are presumed to maintain during their entire period of active service the same legal residence which was in effect at the time of entering the service. Education Code 54.058(b) provides that military personnel assigned to duty within the State of Texas, their spouses and their dependent children, shall be entitled to pay the same tuition as a resident of

Texas regardless of the length of their physical presence in the state. To be entitled to pay resident tuition, military personnel shall submit at initial time of enrollment a statement from their commanding officer regarding their military status. This statement also must be obtained if active duty members seek resident tuition for their spouses or dependents. This statement is valid for one academic year. Each fall semester begins a new academic year at which time another form must be submitted.

Any military person, spouse or dependent may qualify for in-state tuition if they can also show that they are authorized to receive educational benefits for Veterans. The student will need to provide a letter of intent to establish residence in Texas and to reside in
Texas while enrolled.

Transcripts

Transcripts must bear the college seal, date, and appropriate signature, and must be in a closed, sealed envelope to be considered official. Transcripts should be mailed directly to the Admissions and Records office from the other institution(s). In some cases, Temple College will accept a hand-delivered transcript as long as the transcript is submitted in a closed, sealed envelope from the other institution. Transcripts that are not in a closed and sealed envelope will not be acceptable and will not be considered official. Students are responsible for submitting the required transcripts to the Admissions and Records office. Transcripts become the property of Temple College and cannot be returned to the student. Students who need official copies of another institution's transcript should contact that institution directly. Transcripts are imaged into the institutions scanning system.

Disciplinary Suspension from Other Colleges

Disciplinary suspension from another college will be honored at Temple College at the time of application for admission to Temple College.

Academic Fresh Start

An applicant for admission who is a Texas resident may seek to enter Temple College pursuant to the "academic fresh start" statute, Texas Education Code, 51.931. If the applicant informs the Admissions and Records office in writing of the election prior to registration, the institution will not consider academic course credits or grades earned by the applicant at Temple College 10 or more years prior to the starting date of the semester in which the applicant seeks to enroll. An applicant who makes the election to apply under this statute may not receive any course credit for courses taken 10 or more years prior to enrollment. For more information, contact the Admissions and Records Office.

Financial Aid

Students must have a high school diploma or GED to be eligible for federal financial aid.

Your correct social security is required to receive federal financial aid disbursements and an end-of-year 1098-T tax form for reporting tuition payments. If Temple College does not receive or cannot confirm your social security number, Temple College will not be able to provide these services to you.

Financial Aid Priority Deadlines

Financial Aid files submitted by these dates will be considered for priority aid:

Fall Semester - June 1
Spring Semester - November 1
Summer Semester - April 1

Applications are processed on a first-come, first-served basis. Applicants are eligible for the funds AVAILABLE AT THE TIME THEIR APPLICATION FILES ARE COMPLETED AND ADMISSION TO THE COLLEGE IS CONFIRMED. Late applicants should make arrangements to pay their own registration expenses.

As a student submits the FAFSA application to Temple College, he or she will be responsible to submit an application to Temple College. It is the student's responsibility to then apply and follow all necessary steps to complete the registration process.

Student Employment on Campus

A limited number of part-time jobs will be available on the College campus for those who need to work in order to help pay for their college education. Students will be assigned to such duties as typists, file clerks, office assistants, community services, teacher assistants, pianists, models, technicians, library and laboratory assistants, grounds and building keepers, etc. Preference in employment is given to students reflecting financial need. Any student seeking campus employment should complete an application in the Financial Aid office as early as possible.

Student Grants

Temple College is an active participant in the federally funded Pell Grant Program and the Supplemental Educational Opportunity Grant (SEOG) Program. Applicants apply by completing the Free Application for Federal Student Aid (FAFSA) online using www.fafsa.ed.gov. Temple College also participates in the Texas Public Education Grant (TPEG) and the TEXAS GRANT Programs. The application procedure for these programs is through the Financial Aid office.

Temple College Return to Title IV Policy

Temple College will return any unearned funds received from federal student assistance programs to the proper program accounts in accordance with Federal Title IV student assistance regulations, as amended, under 34 CFR, section 668.22(d) of the Reauthorization of the Higher Education Act of 1965.

Refunds will be calculated on students who have totally withdrawn from classes or have been withdrawn by instructors for nonattendance or have been withdrawn from classes for failure to meet the institution's enrollment requirements of the state mandated THEA Texas Success Initiative (TSI) test or failure of all classes enrolled during any given semester. Withdrawals must be initiated in the Advising office.

Withdrawal date shall be defined as the actual date the student begins the College's withdrawal process, the last date of attendance recorded by an instructor, or the midpoint of the semester for students who have been withdrawn by instructors for non-attendance.

Official rosters will be sent to all instructors. The instructors will be directed to drop all students who have not been attending. These are considered to be unofficial withdrawals and will be calculated at midpoint of the semester. All students who were not reported are considered to have completed the semester and have earned grades received.

Within 30 days from the withdrawal date, the College shall calculate the amount to return to the Title IV programs.

Only the return of Title IV funds made by the College from the institutional charges, including tuition, fees and books shall be adjusted in the student's account, and the student will be billed for the outstanding institutional charges. The student's records will be placed on hold. The student is notified of amounts owed the College and U. S. Department of Education at this time.

The Return to Title IV process in the Temple College student information system will be used to perform all Return to Title IV calculations. A listing of students who have completely withdrawn from the institution will be run bi-weekly throughout the semester. The withdrawal date will be what is recorded in the student's record.

Refunds to SFA recipients must be distributed in the following order:

1. Unsubsidized Federal Direct Stafford Loans
2. Subsidized Federal Direct Stafford Loans
3. Federal Direct PLUS Loans
4. Federal Pell Grants
5. FSEOGs
6. Other SFA Programs
7. Other federal, state, private, or institutional sources of aid
8. The student

Student Loans

The Financial Aid office also will assist the student in securing a Direct Loan through the William. D. Ford Direct Loan Program. Appropriate application is made through the Direct Loan website www.StudentLoans.gov. Students and parents applying for Direct Loans are subject to the general eligibility requirements that apply to all Federal Student Aid (FSA) programs.

Students transferring into Temple College with an excessive amount of student loan debt will have their loan history reviewed by a Financial Aid Administrator before originating any federal student loans at Temple College. Students will be reviewed on a case-by-case basis. Students will not be denied access because of race, sex, color, income, religion, national origin, age or handicapped status. In the best interest of the student, federal student loans may be reduced or refused per federal regulations. In either event, the student will receive written notification providing an explanation HEA Sec. 479(A)(c), 34 CFR 685.301(a)(8), DCL GEN-11-07

Defaulted Student Loans

Student(s) in default on a federal student loan will be placed on HOLD. The HOLD will prevent students from receiving any records from Temple College. Student(s) records will be released when the student(s) has met the lender arrangements. Student(s) will need to request the lender to provide a statement that the student(s) has made a minimum of six consecutive months of on-time voluntary payments or paid in full.

Maximum Eligibility Direct Subsidized Loans

There is a limit on the maximum period of time that students can receive Direct subsidized Loans. In general, students may not receive Direct Subsidized Loans for more than 150% of the published length of their program. For example, students enrolled in a two-year associate degree program have a maximum period of three years for which they can receive Direct subsidized Loans (150% of 2 years is 3 years).

Reinstatement of Title IV

Student(s) in default on a loan, must make satisfactory repayment arrangements and make six to nine consecutive, on-time, full, voluntary monthly payments to the holder of the defaulted loan before they will be eligible for additional federal student aid. After the qualifications are met, the lender or Texas Guaranteed or Department of Education (TG or DOE) should send appropriate notification to Temple College upon the student's request.

Title IV Refund Process

Other classes which meet less than 16 week will have the refund pro-rated based on the formula provided by the Texas Higher Education Coordinating Board. Tuition and fees paid directly to the institution by a sponsor, donor, or scholarship shall be refunded to the source rather than directly to the student.

If a refund is due to a Title IV aid recipient who completely withdraws, the refund will be returned in the following order: Federal Supplemental Loan for Students Loans, Unsubsidized Federal Stafford Loans, Subsidized Federal Stafford Loans, Federal PLUS Loans, Unsubsidized Federal Direct Stafford Loans, Subsidized Federal Direct Stafford Loans, Federal Direct Plus Loans, Federal Perkins Loans, Federal Pell Grants Federal Supplemental Education Opportunity Grants (FSEOG), Other Student Financial Aid (SFA) Programs, federal, state, private, or institutional sources of aid, the student.

Repayments from SFA recipients must be distributed as follows: Federal Perkins Loans, Federal Pell Grants, FSEOGs, Other SFA Programs, other federal, state, private, or institutional sources of aid. Some refunds are pro-rata.

Discharge of a Prior Loan Due to Total and Permanent Disability

A borrower who has received a discharge of a prior loan due to conditional or final determination that the borrower is totally and permanently disabled must do all of the following to be eligible to receive a new Federal Direct Loan or Federal Direct Parent PLUS Loan at Temple College:

- Obtain a physician's statement certifying that the borrower may now engage in "substantial gainful activity." For these purposes, "substantial gainful activity" is defined as the ability to work and earn money.
- Sign a statement acknowledging that any new loan the borrower receives may not be discharged due to the same or any disability existing at the time the new loan is made, unless the disabling condition substantially deteriorates to the extent that the definition of total and permanent disability is met.
- Sign a statement acknowledging that collection activity will resume on any loans in a conditional discharge period.

Institutional Short Term Loans

The Johnny S. Payne short-term loan fund is available at Temple College for students' use in emergency situations involving tuition and fees where other funds have been approved but not received prior to registration periods. The Financial Aid office will provide the necessary application forms for this purpose. Preference is given to returning students who have obtained a satisfactory academic record.

The Hamrick-Harris short-term loan fund is available at Temple College for students' use in emergency situations involving tuition and fees where other funds have been approved but not received prior to registration periods. The Financial Aid office will provide the necessary application forms for this purpose. Preference is given to returning students who have obtained a satisfactory academic record.

The American Legion Loan fund is available at TC for students who are having difficulty in purchasing books. Preference will be given to students whose financial aid has been approved but not completed.

A need-based, short-term loan has been established by Mrs. Viola Dawns Hunter for African American students. Students must maintain a "C" average. Loan applies to books only. See Student Enrollment Services for information on other assistance programs.

Satisfactory Academic Progress (SAP) Criteria

Federal regulations require that all financial aid recipients maintain satisfactory academic progress in a course of study leading to a degree or certificate. Failure to meet one or more of these standards of academic progress will make a student ineligible for financial aid. Satisfactory progress includes all previous academic history, even if the student did not receive financial aid. Satisfactory progress standards are calculated at the end of each semester, including the summer. It is the responsibility of the student to monitor their satisfactory progress. Although the Financial Aid office attempts to send correspondence to students informing them of their status, students not receiving this correspondence will still be considered ineligible for financial aid.

Basic Requirements of Satisfactory Progress at Temple College:

Grade Point Average (GPA)
Students must maintain a cumulative 2.0 GPA on all hours attempted at Temple College.
Completion Rate
Students must complete 67% of all courses attempted at Temple College (includes transfer courses and remedial courses).
Maximum Time Frame
Students receiving financial aid must complete their program of study within a reasonable timeframe. This timeframe is defined as 150% of the program of study (including all transfer credit hours).
Examples:

- Certificate of Vocational Nursing requires 47 hours. Maximum timeframe is 71 hours (47 x 150% = 71).
- An Associate of Arts Degree requires 64 hours. Maximum time frame is 96 hours (64 x 150% = 96).

What is considered in the calculations?

- All courses attempted, including remedial/developmental, withdrawals and repeated courses (regardless of grade assigned) are counted in the hours attempted
- Grades of A, B, C, and D will be considered hours attempted and completed
- Grades of F, I, W, and XF will be counted in hours attempted only
- Grades of F are counted in the GPA

Consequences of not maintaining Satisfactory Academic Progress:
In the following provisions, warning or suspension applies only to financial aid statuses, not to other academic statuses that may be monitored by the college.
Financial Aid Warning – Students failing to meet the SAP standards of a cumulative 2.0 GPA and/or complete 67% of their coursework will be placed on warning status for one semester. The student will remain eligible for any financial aid for which they have qualified. NOTE: Students on probation under the prior standards will be considered on warning for purposes of these standards.
Students are notified about Satisfactory Academic Progress (SAP) via email to their Temple College email. Your TC email must be checked frequently. Notifications are sent after the term ends. It is imperative that you check your TC email after grades post for Financial Aid Satisfactory Academic Progress (SAP).

Financial Aid Suspension – If, after being placed on warning status, the student fails to meet the SAP standards again, the student will be placed on suspension and will lose financial aid eligibility.

Maximum Time Frame Suspension – Students who fail to meet the Maximum Time Frame standards will be placed on Maximum Time Frame Suspension and will immediately lose financial aid eligibility.

Students who have their financial aid suspended for failure to meet SAP standards for financial aid will remain ineligible for financial aid until such time that they are meeting the SAP standards. Students will be able to enroll and attend classes, but must pay their own tuition and fees.

Appeal Process

Students who fail to meet the financial aid SAP standards may appeal their status if there are unusual and mitigating circumstances that contributed to their failure to meet the standards. Unusual and mitigating circumstances include, but are not limited to, a death in the immediate family, medical conditions, hospitalizations, or other situations beyond the student's control. All situations must be fully documented, including supporting letters from counselors, doctors, ministers, and other appropriate third parties. In addition the student must indicate why they will now be able to maintain the required progress standards. Withdrawal from a class or classes to maintain a higher GPA; the classes are not what one expected; or not being prepared for college are NOT unusual or mitigating circumstances and will not be considered.

Appeals are reviewed by an Appeal committee. (For appeal deadlines see below.) Appeals submitted without documentation will be denied. The student will be notified of the decision of the committee. Appeals are generally not approved and students should make other payment arrangements while waiting on a committee decision or risk being dropped from their coursework.

Students who have their appeals denied may submit a second written appeal to the Director of Financial Aid if the student believes that they were not treated fairly under the policy. The decision of the Director is final.

Appeal Approvals

Under the revised rules, an appeal cannot be approved if the student is unable to meet the 2.0 GPA and the 67% completion rate within one semester. Additionally, a student cannot have appeals approved in consecutive semesters. Students who have had appeals approved must complete coursework on their own (a minimum of 12 semester hours or whatever is necessary to meet the standards) before another appeal can be considered.

If a student chooses to appeal his or her Financial Aid Suspension, the student must submit the appeal by the appropriate deadline for the semester. All deadlines are available on the Temple College website at www.templejc.edu under the Financial Aid web page. If the student does not submit the appeal by the deadline, the appeal will not be reviewed. The student will have to wait until the next semester to submit the appeal for Financial Aid Suspension.

A student enrolled at Temple College may submit a Financial Aid Satisfactory Academic Progress appeal due to Financial Aid Suspension only once every two years.

In the event that a student is placed on Financial Aid Suspension, he or she may change the degree plan only once every two years. If the student is able to establish a Financial Aid Satisfactory status, then he or she is able to change the degree plan as desired.

Maximum Time Frame Appeal Process

Students who already have a baccalaureate degree or students who have exceeded the maximum time frame for their declared program of study and wish to receive financial aid must submit a maximum time-frame appeal. The student must provide a copy of their degree plan signed by an academic advisor. For these appeals to be approved, the student must be meeting the 67% completion rate and the 2.0 GPA. Students who are approved are expected to take only the courses shown as still needed on the degree plan submitted. Taking coursework outside the degree plan will cause the next appeal to be denied.

NOTE: Remedial/developmental hours can be funded only up to a maximum of 27 hours.

Learning Assistance

Free tutoring is available through the TRIO program and the Education Assistance Center (EAC). In addition, tutors are available in many other areas e.g., math lab, computer lab. The EAC also offers workshops to improve learning skills. A study skills class (STSK 0305) is another excellent way to improve proficiency. The course can be taken as a regular weekly class.

Financial Aid Appeal Deadlines

Fall 2014 – August 21
Spring 2015 – January 8
Summer 2015 – May 21

Testing Center

The Testing Center offers a comprehensive testing program to assist students with assessing occupational interests and educational achievements. Available tests include college entrance (ACT), course placement (TSI Assessment), program admission (THEA, ACCUPLACER, and COMPASS), Credit by Examination (CLEP, DSST) and Temple College Institutional Exams. Also administered are the nursing pre-test (HESI A2) for the ADN and the LVN programs and the HOBET V test for other allied health programs. Tests are proctored for the distance learning courses, internet/online courses, make-up exams, and correspondence courses. Students may contact the Testing Center for more specific information on testing. Students should review the Testing Center guidelines, available online and in the Testing Center office, prior to testing.

Computer Competency Test

Beginning in Fall 2013, new students seeking an Associate of Arts (AA) degree at Temple College are required to take the Computer Competency Test to show basic computer literacy. It is recommended that students complete this test early in their academic career and not wait until their planned graduation semester. Students will have two attempts of the Computer Competency Test. Those who do not pass the test will be required to show computer literacy through continuing education or additional computer-related coursework. Students should contact the Testing Center for more information on this test.

Required State Testing -Texas Success Initiative (TSI)

Texas Administrative Code Title 19, Part 1, Chapter 4, Subchapter C requires that all students who enter public institutions of higher education in the fall of 2003 and thereafter must be tested for reading, writing and mathematics skills. This includes all full-time and part-time students enrolled in a degree or level-two certificate program. Performance on the test will not be used as a condition of admission.

New students who are not exempt or waived from TSI (Texas Success Initiative) requirements must have scores on file from an approved assessment test before registering for classes. In accordance with the Texas Administrative Code Title 19, Part 1, Chapter 4, Subchapter C:

The following assessment instrument is approved by the Texas Higher Education Coordinating Board:

1. TSI Assessment

Pre-Assessment Activity: Before attempting the TSI Assessment, students must complete a Pre-Assessment Activity. Temple College's Pre-Assessment Activity is available online through the Testing Center's website.

From the TSI Assessment the following minimum passing standards shall be used by an institution to determine a student's readiness to enroll in freshman-level academic coursework:

1. Reading: 351
2. Mathematics: 350
3. Writing: Essay of 5 or Essay of 4 with a 363 multiple choice

TSI Exemptions

1. The following students shall be exempt from the requirements of this title (TSI):
    a. For a period of five (5) years from the date of testing, a student who is tested and performs at or above the following standards:
        i. ACT: composite score of 23 with a minimum of 19 on the English test and/or the mathematics test shall be exempt for those corresponding sections;
        ii. Scholastic Assessment Test (SAT): a combined reading and mathematics score of 1070 with a minimum of 500 on the reading test and/or the mathematics test shall be exempt for those corresponding sections; or
    b. For a period of five (5) years from the date of testing, a student who is tested and performs on the Eleventh grade exit-level Texas Assessment of Knowledge and Skills (TAKS) with a minimum scale score of 2200 on the math section and/or a minimum scale score of 2200 on the English Language Arts section with a writing subsection score of at least 3, shall be exempt from the assessment required under this title for those corresponding sections.
    c. For a period of five (5) years from the date of testing, a student who is tested and performs on the State of Texas Assessment of Academic Readiness End-of-Course exams (STAAR EOC) with a minimum score of Level 2 on the English III shall be exempt from TSI Assessment required under the title for both Reading and Writing, and a minimum score of Level 2 on the Algebra II EOC shall be exempt from the TSI Assessment required under this title for the Mathematics section.
    d. A student who has graduated with an associate or baccalaureate degree from a regionally accredited institution of higher education.
    e. A student who transfers to an institution from a private or independent institution of higher education or an accredited out-of-state institution of higher education and who has satisfactorily completed nine (9) hours of college-level coursework with a cumulative 2.0 GPA as determined by the receiving institution.
    f. A student who has previously attended a fully accredited public college or university in Texas and has been determined to have met readiness standards by that institution.
    g. A student who is enrolled in a certificate program of one year or less (Level-One certificates, 42 or fewer semester credit hours or the equivalent) at a public junior college, a public technical institute, or a public state college.
    h. A student who is serving on active duty as a member of the armed forces of the United States, the Texas National Guard, or as a member of a reserve component of the armed forces of the United States and has been serving for at least three years preceding enrollment.
    i. A student who on or after August 1,1990, was honorably discharged or discharged under honorable conditions, retired, or released from active duty as a member of the armed forces of the United States or the Texas National Guard or service as a member of a reserve component of the armed forces of the United States.

Students seeking exemption from the Texas Success Initiative (TSI) should contact the Temple College Testing Center. Courses transferred to Temple College will be evaluated during the student's first semester in residence. Final admission to Temple College will not be granted until all official transcripts are on file in the Admissions and Records office. Students who do not submit all official transcripts will not be allowed to enroll into a consecutive semester.

American College Testing Program

Temple College is a designated national test center for the American College Testing Program (ACT). ACT tests are administered in February, April, June, September, October and December. Check with the Testing Center for dates and times or go online to www.actstudents.org.

College Credit by Examination

A student who is qualified by experience or previous training may take a special examination to establish college credit in some courses. Temple College provides opportunities for students to receive college credit by examination through four methods:

1. College Board Advanced Placement Program (AP)
2. International Baccalaureate (IB)
3. College Level Examination Program (CLEP)
4. DSST Program (formerly known as DANTES)

Credit by Examination Policy

1. Credit by Examination (AP, IB, CLEP, DSST) may be attempted one time in any approved course.
2. Credit by Examination may not be attempted in any course in which the student has earned credit.
3. Students must complete one semester in residence at Temple College before any Credit by Examination is posted on the transcript. Credits earned through Credit by Examination will be posted on the student's transcript either during the current semester, if the student is currently enrolled, or during the next semester in residence following the examination. The examinee must be a student at Temple College in order to receive credit for a Credit by Examination test.
4. The last 18 hours required for graduation in any degree program or a total of 32 hours must be earned in residence and may not be earned through Credit by Examination.
5. Students must have successfully demonstrated Texas Success Initiative (TSI) eligibility for the specific Credit by Examination course(s) prior to completing registration for the examination.
6. Fee schedules for CLEP are set by the College Board and fees for DSST tests are set by Prometric. There is no refund of examination fees.
7. Registration information, application forms, procedures, and fee schedules are available in the Testing Center.

College Board Advanced Placement Program (AP)

The Advanced Placement (AP) examinations are offered once a year in May, usually in high schools that offer college-level courses based on AP course descriptions. Each high school that gives the examinations sets it own registration deadline (no later than March) and collects fees. Contact the high school counseling center for additional information. If no high school in the vicinity is administering AP examinations, students should write for information, by February 1, to AP Services, CN6671, Princeton, NJ 08541, or call (609) 734-3800.

International Baccalaureate (IB)

The International Baccalaureate (IB) curricula and corresponding examinations are now being offered worldwide to highly motivated students who are enrolled in courses that are affiliated with the IB program. For information on the IB program, contact your local high school counselor or International Baccalaureate North America, 200 Madison Avenue, New York, NY 10016 or call (212) 696-4464.

College Level Examination

College Level Examination Program (CLEP) examinations demonstrate the specific knowledge and skills gained through job experience, outside course work, or specialized independent reading. The examinations require a high degree of knowledge. Information about CLEP examinations is available in the Testing Center and at www.clep.collegeboard.org.

1. CLEP policies and requirements are established independently by each participating institution. Students who plan to transfer to another college should contact that institution for specific information about its policies.
2. CLEP examinations are administered at Temple College and scored by the College Board.
3. Students who meet minimum score requirements will receive "credit" on their transcripts. Letter grades will not be recorded.

DSST Program (Formerly DANTES)

The DSST Program is a testing program provided by Prometric Inc. DSST's mission is to help non-traditional returning adults, corporate trainees, as well as military members obtain credit for knowledge and skills acquired through nontraditional educational experiences.

1. Each institution that adopts the DSST Program uses only tests suited to its curriculum, sets its own fee for test administration, sets its own testing schedule, and administers the tests.
2. DSST examinations are administered at Temple College and are scored by Prometric Inc. Two score reports are automatically provided by Prometric; one for the student (accessible through the student's online account) and one for the selected receiving institution.

Institutional Examinations

Students admitted to the College may obtain college credit by taking examinations offered by various departments on campus. Institutional examinations are administered at Temple College and scored either by the Testing Center or by the appropriate department. Score reports are emailed to the student's Temple College official email account within two weeks from the examination date. If the examination requires a lab, arrangements must be made with the Department Chair to administer and score that portion of the examination. Students meeting minimum score standards on Institutional Examinations will receive credit for the course on their transcripts. Students must complete one full semester in residence at Temple College before credit will be posted to their transcript. Institutional Exams may be taken one time. Permission to retake an exam may be granted by the Department Chair. Students interested in taking an Institutional Exam should contact the Testing Center.

Veterans Benefits

All college credit curricula of Temple College have been approved for Veteran’s training. Applicants should secure the proper VA application form from the VA office at Temple College, the nearest VA Regional office, or online at www.va.gov. Students using federal VA benefits are required to fill out a Request for Certification and the Veteran Student Responsibilities, in writing, for each semester of eligible school attendance.
A program of education will consist of a combination of subjects or courses pursued at a school which is generally acceptable to meet requirements for a predetermined educational, vocational, or professional objective. Students using federal VA benefits may not be paid for courses that are not required for their programs of education and may not continue taking courses once his or her objective has been reached without filing for a change of program. For example, a Veteran who has received an associate degree may not continue taking courses at a junior college unless a change of programs is submitted.

Veterans or eligible persons may not be paid educational assistance for courses already completed satisfactorily.

Military Personnel and Dependents

Persons in military service are presumed to maintain during their entire period of active service the same legal residence which was in effect at the time of entering the service. Education Code 54.058(b) provides that military personnel assigned to duty within the State of Texas, their spouses and their dependent children, shall be entitled to pay the same tuition as a resident of Texas regardless of the length of their physical presence in the state. To be entitled to pay resident tuition, military personnel shall submit at initial time of enrollment a statement from their commanding officer regarding their military status. This statement also must be obtained if active duty members seek resident tuition for their spouses or dependents. This statement is valid for one academic year. Each fall semester begins a new academic year at which time another form must be submitted.

Any military person, spouse or dependent may qualify for in-state tuition if they can also show that they are authorized to receive educational benefits for Veterans. The student will need to provide a letter of intent to establish residence in Texas and to reside in Texas while enrolled.

Veterans' Satisfactory Progress

Students are required to be making satisfactory academic progress at the time they request Veterans' benefits. All students requesting benefits must be following a degree or certificate plan. The VA will NOT pay for course work not on a student's degree or certificate plan. Satisfactory progress will be measured at mid-semester and at the end of every semester (spring, summer, and fall.) Veterans who are placed on scholastic suspension will be reported as "unsatisfactory progress," will have their Veterans' folder flagged as academic dismissals and will not be re-certified at any subsequent semester of enrollment. The Veteran student who is on suspension must comply with VA guidelines for satisfactory progress before reinstatement of their VA benefits will be approved.

Grades of A, B, C, D, R, CE, CA, CR, and I are considered hours completed. The VA office will only pay students with these letter grades once, regardless of the college attended at the time of course work. If a student has credit for a course, or has a passing grade in a course ("D" or above), the VA will not pay for the student to re-take the course, even if the student did not use the Montgomery GI Bill during the semester the course was taken. Students repeating a course in which a failing grade (F) was previously received will only be certified to take the course one additional time at the expense of Veterans Affairs. (The VA office in Muskogee, OK reserves the right to evaluate each student's academic appeal on a case-by-case basis.)

Satisfactory Progress Criteria

Temple College evaluates student satisfactory progress on the basis of a student's cumulative grade point average (GPA). Students receiving Veterans' benefits must meet this requirement in order to be certified.

VA Academic Probation

A student who does not meet the Satisfactory Academic Progress criteria will be placed on academic probation. If the student does not meet the minimum Satisfactory Academic Progress criteria at the end of his/her probationary period, the student will be suspended from receiving Veterans' benefits.

VA Academic Suspension

Students placed on VA academic suspension, although they may continue to enroll at the College, will not be certified for VA benefits until they have met the Satisfactory Academic Progress.

Reinstatement of Eligibility

VA eligibility will be reinstated after a student meets the Satisfactory Academic Progress criteria. Once the student has met this requirement, Temple College will certify them for VA benefits beginning the semester after the GPA was achieved.

VA Suspension Appeal Process

Reasons for Appeal:

Exceptions or special circumstances will be considered by the VA certifying official upon approval from the Director of Recruitment and Retention. An approval from the Director of Recruitment and Retention does not necessitate an automatic approval by the VA certifying official. Information, which may be considered for an appeal, may include, but is not limited to, unusual circumstances such as extended medical confinement, the death of a relative of the student, or divorce of parents or spouse.

Documentation Required for Appeal:

- Documentation such as that listed below is required, must document the claim being made, and originate from a verifiable source;
- Verification from a doctor, copy of death certificate, or other verifiable documentation that substantiates the student's claim.
- Letters from instructors, counselors, or others to support the appeal request.

A student who has been denied veterans' benefits for failure to meet the satisfactory progress requirements outlined in this policy may appeal by completing an appeal form, explaining mitigating circumstances, and providing the documentation to support their claim. The VA Certifying official shall evaluate individual mitigating circumstances and will notify students of the decision regarding their appeal within three weeks.

Students may appeal the decision of the VA Certifying official to the appeals committee. The VA Certifying official must receive this written appeal before the following deadlines:

August 17 for Fall - 2012, January 11 for Spring - 2013, and May 217 for Summer - 2013.

If the deadline falls on a holiday or a weekend, the deadline date will be extended to the next business day.

Exceptions to this policy may be made at the discretion of the VA Certifying Official. This policy is subject to change as required by the Veterans' Affairs Office in Muskogee, OK and/or by Temple College.

Veterans Attending Temple College Under the Hazlewood Act

The Hazlewood Exemption (Hazlewood Act) is an education benefit provided to honorably discharged or separated Texas Veterans and to eligible dependent children and spouses of Texas Veterans. Eligible veterans, their children and spouses may receive an exemption from tuition and fees for up to 150 credit hours. This does not include books. The Hazlewood Exemption may not be used to pay for tuition and fees for continuing education classes at Temple College.

Veterans are considered eligible for the Hazlewood Exemption if, at the time of entry into the U.S. Armed Forces: they were Texas residents, designated Texas as Home of Record, or entered the service in Texas. Eligible veterans must have served at least 181 days of active military duty excluding training, as indicated as "net active service" (the sum of 12(c) and 12(d) on the DD214). Eligible veterans must have received an honorable discharge or separation or

a general discharge under honorable conditions and are not in default on a student loan made or guaranteed by the State of Texas. All eligibility requirements can be reviewed at www.collegeforalltexans.com.

Dependents of Texas Veterans are eligible through the Legacy Program if the Texas Veteran meets the eligibility requirements and the dependent can provide documentation to establish the relationship to the veteran. Students eligible for an exemption of tuition and fees through the Legacy Program must abide by the Satisfactory Academic Progress (SAP) policy. If the student is placed on Financial Aid Suspension, then he or she will become ineligible to use the exemption. The student may reinstate eligibility for the Legacy Program once he or she has established a Satisfactory Academic Progress (SAP) status.

Eligible students must submit the appropriate application, as the veteran or eligible spouse or child, once each academic year. If the veteran is signing over his or her hours to the eligible spouse or child, then an application from the veteran will be required in addition to the eligible spouse or child's application. A copy of the used Hazlewood hours must be submitted per the Texas Higher Education Coordinating Board. If the student has not registered online, then he or she will need to submit proof of online registration at the time the application is due, before the Hazlewood Exemption can be processed. If the student is an eligible child or spouse of a Texas Veteran, the student will need to provide documents to establish the relationship with the Veteran to the Financial Aid Office.

In the event that an eligible Veteran or dependent is unable to submit all appropriate documentation by the deadline, the student may be dropped from classes and will be responsible to pay for tuition and fees.

All regulations regarding the Hazlewood Act are subject to change per the Texas Higher Education Coordinating Board. For more information, students can refer to www.collegeforalltexans.com.

Military Spouse Career Advancement Accounts (MyCAA)

Spouses of active duty military members receive up to $6,000 of MyCAA Financial Assistance (FA) that can help them pursue education, training, licenses, certificates and degrees leading to employment.

The student must submit a request for approval online at https://aiportal.acc.af.mil/mycaa/default.aspx.

Eligible spouses must elect TC as their school of choice and register for classes at TC before completion of approval.

Servicemembers Opportunity Colleges

Temple College is a member of the Servicemembers Opportunity Colleges (SOC). As a member of SOC, Temple College fully supports and complies with the SOC principles and criteria. The Admissions and Records office will evaluate military experience based on recommendations made in the applicable publications of the American Council of Education. This evaluation will be coordinated with Department Chairmen and credit may be awarded. Upon completion of 12 semester hours in residence, the credit hours will be added to the student's record.

Student Success

The Student Success Division is available to help students who are not qualified to take college credit classes prepare for college level work. In addition, the Student Success Division offers GED and ESL classes as well as several academic support services for students taking credit and non-credit classes. The services outlined below are offered through the Student Success Division and are free to Temple College learners.

Developmental Course Offerings

The Developmental Program's mission is to help students make a successful transition from developmental English, Mathematics, Reading and Study Skills courses to credit courses by requiring skills assessment in which students demonstrate appropriate skills for each level of developmental classes before transitioning to core courses. Students who have not met the minimum requirements for enrolling in college credit courses as specified by the Texas Success Initiative (TSI) may be required to take developmental courses. The Temple College TSI Plan states that students who are dropped from a required developmental course may be dropped from all courses in which the student is registered during the semester the drop occurred.

Educational Assistance Center (EAC)

The Educational Assistance Center offers a self-paced, individualized program that addresses the academic needs of students entering college. The Center provides evaluation of college readiness and a variety of instructional options in order to address the different learning styles of students. Instructors and tutors are available to assist students and prospective students in helping to improve basic reading, math, writing and study skills needed to do college level work. Preparation for college placement testing, allied health and nursing entrance testing also is provided. Services and adaptive technology are available to assist students with specific learning or physical disabilities.

Adult Basic Education (ABE) and GED Preparation

The mission of the Adult Basic Education and the GED Preparation Program is to prepare students with the knowledge and skills to successfully take the GED exam. Students will receive skills in communication, information processing, critical thinking and reading, and problem solving. Emphasis also is placed on students entering the workplace or continuing in higher education.

English as a Second Language (ESL) for Adults

ESL for Adults is a program where adults learning English as a Second Language can improve their English communication skills with help from instructors and community volunteers. Classes focus on different language skills depending on the student's English abilities, interests, and needs. The ESL program focuses on conversational English, grammar, reading, listening, comprehension, writing and vocabulary. ESL students enjoy small class sizes and a personalized approach to learning. This program is not only an opportunity for language learning, but also for cultural exchange and understanding. For more information regarding these services please call: 254-298-8620 or 254-298-8649.

Math Tutoring Lab

The Temple College Math Tutoring Lab is dedicated to providing math assistance to students in developmental and credit mathematics courses. The Math Tutoring Lab is located in room 1117 of the Math and Biomedical Sciences building. Check with center directors for available tutoring on at the Taylor, Cameron and Hutto locations.

Writing Center

The Temple College Writing Center is dedicated to providing advice and resources at every stage of the writing process. The goal of the Writing Center is to engage the community in conversations about writing; to that end, the Center provides face-to-face consultations and workshops for writers in all disciplines. Beginning with writers' needs and concerns, the staff of the Center uses their knowledge and expertise to enhance writers' understanding of a variety of issues, such as purpose, audience, style and conventions. The staff strives to help writers develop the confidence to make effective writing choices in any writing situation. In these ways, the Center supports the shared goal of other Writing Centers to help create better writers, not just better writing.

TRIO Programs

The TRIO Program at Temple College (TC) is a federally funded grant-based program designed to help eligible students graduate or transfer from TC and gain acceptance into a four-year college or university. Congress established TRIO Programs in 1965 to ensure equal educational opportunity for all Americans, regardless of race, ethnicity, or economic circumstance. Since that time, an estimated two million students have graduated from college with the special assistance and support of our nation's TRIO Programs.

Students in TRIO Programs are more than twice as likely to remain in college than those students from similar backgrounds who did not participate in the program. Temple College students may qualify for the program in several ways:

1. If neither parent has a B.A. or B.S. degree from a four-year college or university;
2. If the student has a disability; or
3. If the student satisfies low-income criteria set by the federal government.

Center for Educational Advancement

The Center for Educational Advancement was established specifically for TRIO Program participants at Temple College. The Center houses the advising and counseling offices as well as the tutoring and learning lab facilities available for use by TRIO students. Information about the TRIO Program at Temple College is available at the Center via phone (254-298-8376) or the Internet (www.trio.templejc.edu).

Services Offered to TRIO Participants

- Academic Advising/Registration for TRIO students
- Counseling for TRIO students
- Tutoring (math, writing, reading, science)
- Learning lab (computers, printers, resources)
- Study skills instruction
- Special workshops and field trips
- Students may qualify for additional financial assistance

Academic Advising and Registration

Students participating in the TRIO Program undergo academic advising, counseling and registration for Temple College at the Center for Educational Advancement. Since all TRIO students must be interested in pursuing an academic program oriented towards gaining admission into a four-year college or university, academic advising is a central component of the TRIO Program at Temple College. Students begin the process of contacting four-year institutions early in TRIO to identify specific requirements for the academic program they are interested in pursuing. Academic advisors at TRIO assist in this early valuable guidance and insight to TRIO students in the selection of appropriate coursework at TC in preparation for further study at a four-year institution.

Counseling

Counseling at the Center for Educational Advancement is especially important to the TRIO student in remaining in school and thus having the opportunity of achieving success in gaining admission into a four-year college or university. Because TRIO is limited to students pursuing an academic degree, the resulting low student to counselor ratio means students are able to spend more time with counselors. Counselors at TRIO develop one-to-one first name relationships with students. Counselors are familiar with the diverse backgrounds typically reflected in the TRIO student population. In addition, students meet with TRIO counselors at least once each month during a semester to monitor academic progress and discuss concerns or potential problems.

Tutoring

Tutoring is offered free of charge to TRIO students. Tutors in the TRIO Program (peer as well as professional) are chosen for their ability to relate to and communicate well with the diverse multicultural population dynamics of TRIO participants. Low student to tutor ratios enable tutors to devote individual attention for significant blocks of time to each student. TRIO students avail themselves to well-qualified tutors in math, writing, reading, as well as the natural, physical and social sciences. Typically, TRIO students meet at least once each week with their respective tutors.

Learning Lab

The TRIO Learning Lab is complete with state-of-the-art computer technology, Internet access, email, as well as software and printers necessary to complete academic assignments. In addition, there are text and software resources for both academic enhancement and career objective exploration. The learning environment at the lab is designed to be conducive to study, quiet discourse and reflection.

Study Skills Instruction

The learning lab at the Center for Educational Advancement contains text and software resources to address a variety of needs often experienced by TRIO students. These include study skills, test taking, thinking skills, the learning process, reading skills, the English language, presentation skills, argumentation and persuasion, literacy, ESL, writing (style, structure, editing, revising, the research paper, research skills), Internet literacy, and the college experience. Where necessary, individual instruction and workshops are provided.

Special Workshops and Field Trips

The TRIO Program includes a component for special cultural events and field trips designed to expose the TRIO student to the diverse social and cultural milieu which constitutes American society. TRIO students must attend at least two cultural events each semester to maintain their participation in TRIO. Field trips often include visits to local universities and colleges where they spend time on campus visiting with faculty and becoming familiar with the demands and prerequisites of a four-year institution.

Financial Assistance

Financial assistance is available to qualified TRIO participants. This aid is dispersed on a case-by-case basis and is considered after a student has received his or her financial aid award from Temple College and only if there is remaining unmet financial need pursuant to their education.

Community Services

Community service agencies work in coordination with Student Enrollment Services offering assistance to qualified students. The following agencies provide tuition assistance, disabilities accommodations, and other services necessary for success of special populations.

Vocational Rehabilitation

The Department of Assistive and Rehabilitative Services (DARS) offers assistance for tuition and non-refundable fees to students who have certain disabling conditions, provided their vocational objectives have been approved by a DARS Counselor. Examples of such conditions are orthopedic disabilities, emotional disorders, diabetes, epilepsy, heart conditions, etc. Other services also are available to assist the disabled student to become employable. Applications for such services should be made at: Department of Assistive and Rehabilitative Services, 4501 South General Bruce Drive, Suite 35, Temple, Texas, 76502. The Temple office number is (254) 773-1674.

Workforce Investment Act (WIA)

The Workforce Investment Act consolidates and coordinates employment training, literacy, and vocational rehabilitation programs. Through the local Workforce Center, WIA supports workforce investment activities that increase employment, job retention, earnings, and occupational skills of the workforce. If you are interested in learning more about services available under the Workforce Investment Act, contact your nearest Central Texas Workforce Center for additional information. The Temple office number is (254) 771-2555.

Advising Services

Academic Advising

Our mission is to create a relationship of shared responsibilities between staff, faculty and students through integration of social, educational and career plans. Students are empowered to take charge of their education through realistic self evaluation.
Academic advising services are available to help students make decisions and to promote their success and well-being. Services include career counseling, educational planning, transfer advising, and preliminary degree audits. Educational planning includes assisting students in deciding on a college major and providing course scheduling advice. Referral services for personal counseling also are available.
Advisors provide information on Texas Success Initiative requirements and advise students on appropriate options. Advisors use a variety of tools to locate information on majors and careers, including reference materials and the Internet.
Students who plan to transfer to a senior college or university to complete a bachelor's degree will work in collaboration with advisors to determine the steps necessary for transfer.

College Open House

The Student Enrollment Services Division sponsors an open house each summer for prospective students and their families.

Self-Help Materials

A variety of college catalogs, pamphlets, brochures, and handouts are available for students in the Advising Center.

Confidentiality

Because advising and counseling are personal matters, the Advising office maintains confidentiality to the limits provided by the Family Education Rights Privacy Act (FERPA).

Cost

There is no cost to the student for academic advising services. Staff members will consult with and develop specific programs or presentations for faculty, campus organizations, and the campus community free of charge.

Student Responsibility in the Advising Process

Students must assume primary responsibility for educational planning, course scheduling, and the successful completion of graduation requirements.
STUDENTS SHOULD KNOW: Their class schedule, the NAMES of instructors and how to contact them, how to access Temple College email, how to access on campus and online tutoring, how to calculate a GPA, and how to maintain their own college file containing a degree plan and educational goals.
During a meeting with an advisor a student should bring:

1. Tentative schedule including alternate class choices.

2. Current class schedule.
3. If planning to transfer, the CURRENT CATALOG of the transfer college or DEGREE PLAN sought.
4. Copies of college transcripts from all schools previously attended.

Students with Disabilities

In accordance with the requirements of the Americans with Disabilities Act (ADA) and the regulations published by the United States Department of Justice 28 C.F.R. 35.107(a), Temple College's designated ADA coordinators shall be responsible for coordinating the college's efforts to comply with and carry out its responsibilities under the ADA.

ADA Coordinators:
Title I – Employment – Director of Human Resources – 254-298-8582
Title II – Education – Coordinator of Student Accommodation – 254-298-8335
Title III – Facilities – Director of Maintenance – 254-298-8692

The Office of Student Accommodations (OSA) provides individualized assistance to students with documented disabilities. Temple College requests that eligible students apply for services with the Office of Student Accommodations located in One College Centre. Following qualification for services, students are encouraged to meet with the OSA coordinator each semester to discuss accommodation needs. Students, who have qualified for accommodation services, are urged to request accommodations through the OSA at least three weeks before the start of the semester so that the accommodations can be in place for the first day of classes. For more detailed information visit the TC website at http://tclive.templejc.edu/SES/Accommodations/Student-Accommodations.aspx

Registration

Registration must be completed during the appropriate times set by Temple College. Registration consists of completing the required forms, preparation of a class schedule, and paying all tuition and fees by the appropriate deadline (see your printed receipt). You may pay for your courses by cash, check, Discover, VISA, MasterCard or use the E-Cashier online payment plan. The E-Cashier option can be found on the Temple College home page. This program is administered by the FACTS management company and managed by the TC Business office.

Student Records

Temple College maintains a file on every past and present student which may contain any or all of the following: applications for admissions, high school and college transcripts, GED test scores and certificates, conditional enrollment statements, residency documents, approved course substitutions on degree plans, approved grade changes, and requests for transcripts or other records. These records are retained as outlined in the Local Government Records Act and Local Records Retention Schedules for Public Junior Colleges as published by the Texas State Library and Archive Commission. Student records are available to the administration and faculty of the College for purposes of student counseling, academic advising, and information related to the future academic and/or employment pursuits of the student. The Director of Admissions and Records is responsible for the administration of student records, and all inquiries should be addressed to that officer of the College. Students wishing to receive official copies of transcripts or other records should submit a written request to the Admissions and Records office. The student will have the right to inspect the institution records within 45 days of any request. Any discrepancies thought to exist by a student should be brought to the attention of the Director of Admissions and Records. Records are not expunged or changed without the approval of the Director of Admissions and Records.
Directory information consists of the following: a student's name, address, telephone, date and place of birth, degree(s) earned and date, major field of study, academic classification, dates of attendance, number of semester hours in progress and attained to date, most recent high school or college previously attended, current class schedule, most recent previous schools attended, and photographs. Under FERPA, Family Education Rights Privacy Act, this information may be released to the general public.

Students may withhold directory information by notifying the Director of Admissions and Records in writing within the first 12 days of the fall or spring semester and first four days of a summer session.

Name Changes

Provide your legal name on your Application for Admission because this is the name that will appear on your official student record. To change a legal name to a new legal name, submit a copy of the signed court order showing the authorized new legal name. To change a last name after marriage, present a copy of the marriage certificate, driver's license, or social security card. A student who wishes to discontinue the use of her/his married name and resume the use of her/his maiden name or a different name, must present a divorce decree or signed court order showing restoration of the maiden name or other names. An affidavit must be provided prior to processing the name change. Submit name change documents and affidavits to the Admissions and Records office. Your Temple College user names will not be changed.

Changes of Schedule and Withdrawals

The following paragraphs give the information for changes of schedule and withdrawals for courses and semesters of traditional length. Students should check with the Advising office regarding the applicable deadlines for courses of different lengths.

ADD/ Drop period: After the student has completed registration (fees paid), schedule changes (adds and drops) may be completed only during the times scheduled by the Student Enrollment Services division which may be found on the TC web page.

Withdrawals: Students who withdraw from courses (drop) prior to the official census dates will not appear on the official class rolls for the courses, nor will the courses show on their permanent records. Withdrawals after the add/drop periods described above require the proper approvals and must be initiated in the Advising office. A student must officially withdraw from a course to receive a W grade. A student not officially withdrawn from a class could receive a grade of "F". It is the student's responsibility to withdraw from classes through the Advising office in order to be informed of their consequences. Withdrawals after the official census dates will be handled according to the following rules:

Fall and Spring Semesters (16 Weeks)

After	Before	Grade
12th Class Day	End of 12th Week	W
End of 12th Week	End of Semester	No Withdrawals Allowed

Summer Semester (6 Week Session)

After	Before	Grade
4th Class Day	End of 4th Week	W
End of 4th Week	End of Semester	No Withdrawals Allowed

Summer Semester (8 Week Session)

After	Before	Grade
6th Class Day	End of 6th Week	W
End of 6th Week	End of Semester	No Withdrawals Allowed

Summer Semester (12 Week Session)

After	Before	Grade
9th Class Day	End of 9th Week	W
End of 9th Week	End of Semester	No Withdrawals Allowed

Students may receive "I" grades in cases of medical emergencies or some other highly unusual circumstances. This "I" grade will hold a class for 30 days into the following semester and will automatically change to an "F" if the faculty member does not submit a change of grade. This will be determined by your instructor.

New 6 Drop Rule Policy

Temple College has adopted the following policy to implement SB 1231:

- Senate Bill 1231 provides that a student cannot drop more than six courses during the lifetime of their undergraduate enrollment while attending any public institution in Texas. Under section 51.907 of the Texas Education Code, "an institution of higher education may not permit a student to drop more than six courses, including any course a transfer student has dropped at another institution of higher education."
- This statute was enacted by the State of Texas in spring 2007 and applies to students who enroll in a public institution of higher education as first-time freshmen in fall 2007 or later.
- Any course that a student drops is counted toward the six-course limit if "(1) the student was able to drop the course without receiving a grade or incurring an academic penalty; (2) the student's transcript indicates or will indicate that the student was enrolled in the course; and (3) the student is not dropping the course in order to withdraw from the institution."
- The following classes are EXEMPT from the 6 drop rule:

1. Classes taken by students while in high school (dual credit, middle college and/or early college).
2. Third repeat courses (student is taking the class for the third time).
3. Developmental Classes

- Students must contact the Advising office for more information before dropping a course.
- All course drops/withdrawals initiated by a student will be processed by the Advising office.
- Some exceptions for good cause could allow a student to drop a course without having it counted toward this limit, but IT IS THE RESPONSIBILITY OF THE STUDENT TO ESTABLISH THAT GOOD CAUSE AND PROVIDE ANY REQUIRED DOCUMENTATION in order to earn the status of exception.
- Advisors will have the discretion regarding the need for documentation of a drop.
- Exceptions for good cause include, but are not limited to the following:
    1. Family Emergency (FAM)
    2. Work related (WORK)
    3. Disciplinary action (DISC)
    4. Active duty military (MIL)
    5. Medical Emergency (MED)
    6. Deceased (DCSD)
    7. Not on State Report (S)
    8. Failure to thrive (F2TH)
    9. Administrative correction (ADCOR)
    10. Other (O)
- Additional codes already exist which are not exceptions include:
    1. Administrative change (ADMIN)
    2. Non-payment (N)
    3. On Academic Suspension (SUSP)
    4. Reinstatement (REIN)

Procedures for implementation of this statute can be found at the TC website of: www.templejc.edu (under the Catalog button and Student Services button.)

Transfer of Credits

Since Temple College is fully accredited, all of its semester hour credits, except in certain developmental, preparatory and vocational-technical courses, will transfer to other colleges. The Temple College core curriculum is fully transferable to any public college or university in Texas, and is guaranteed by the Texas State Legislature to meet all lower division core requirements of the receiving institution, up to a total of 48 semester hours. Colleges do not lower transferred grades; grades are filed just as they are received. For degree purposes or for determining scholastic standing, however, grades earned at other institutions are frequently not averaged with work done at the receiving college or university.

It is the student's responsibility to familiarize themselves with the course requirements of the college to which they plan to transfer and to make certain they satisfy those requirements both as to choice of courses and the quality of grades in those courses. Temple College provides academic advising and/or pre-registration advising on an ongoing basis in order to assist the student in choosing courses that are articulated with the requirements of the four-year college of the student's choice. Contact the Advising office for additional information.

Resolution of Transfer Disputes

Lower-division courses included in the Lower-Division Academic Course Guide Manual (Revised) and specified in the definition of "Lower-Division Course Credit" shall be freely transferable to and accepted as comparable degree credit by any Texas public institution of higher education where the equivalent course is available for fulfilling baccalaureate degree requirements. It is understood that each Texas institution of higher education may have limitations that invalidate courses after a specific length of time. For Texas community colleges, these freely transferable courses are identified in the latest revised edition of Coordinating Board publication Lower-Division Academic Course Guide Manual (Revised). Specifically excluded are courses designated as vocational, ESL/ESOL, technical, developmental or remedial, and courses listed as "basic skills."

For senior four-year institutions, lower-division courses that have the same course content and CIP codes as approved by the Coordinating Board shall bear equivalent credit. Specifically excluded are courses designated as ESL/ESOL, technical and developmental/remedial courses.

Within the spirit of the law it is realized that differences in interpretation of "same course content" may generate disputes. Transfer disputes may arise when a lower-division course is not accepted for credit by a Texas institution of higher education. To qualify as a dispute, the course(s) in question must be offered by the institution denying the credit (receiving institution), or in the case of upper-level institutions, must be published as a lower division course accepted for fulfilling lower-level requirements. For community colleges, the course(s) must be listed in the Lower Division Academic Course Guide Manual (Revised,) and be offered at the receiving institution. Additionally, the sending institution must challenge the receiving institution's denial of credit. The institution whose credit has been denied (sending institution), or the student working through the sending institution, must initiate the dispute. From the date a student is notified of credit denial (date evaluation is sent by the receiving institution), the law allows a maximum of 45 calendar days for the resolution of the dispute by the sending and receiving institutions. For additional information, contact the Vice President of Educational Services.

Temple College Three-Peat Rule Policy:

This legislation was passed by the State of Texas to discourage students from repeating courses in an excess of three times. With only limited exceptions, Texas-resident undergraduate students who attempt a course with the same content for a third or more times will be charged a premium tuition rate - an additional $55.00 per semester credit hour over the Texas Resident rate - for those credit hours. This provision is described in the Texas Higher Education Coordinating Board Rules (Chapter 13, Subchapter B, & 13.25).

Some courses are designed for repeated enrollment, such as:

> Courses that may be repeated for credit because they involve different or more advanced course content each time they are taken including but not limited to, individual music lessons, workforce education course, theatre practicum, music performance, ensembles, and certain physical education courses, and independent study courses.

These courses are thereby exempt from the three-peat rule.

Attempted hours are calculated for courses in which a student is enrolled on census day. If a student drops the course before census day the hours will not count toward the three-peat.

Class Information

Class Standing

A student with 0 through 29 semester hours is considered to be of freshman standing. A student with 30 through 59 semester hours is considered to be of sophomore standing.

Method of Work

Traditionally, there are sixteen and eight weeks of instruction during the fall and spring semesters. A typical course yields three semester hours of credit. This represents three hours of instruction each week for sixteen weeks for a total of forty-eight contact hours. Work taken in summer school results in the same total contact hours, but it is completed in either a three, six, eight, ten, eleven or twelve week period of time.

Course Numbers

Temple College is a participating institution in the Texas Common Course Numbering System. Courses designed for transfer have a standardized four-letter prefix followed by a four-digit number. The four-letter prefix identifies the subject area. For example, ENGL is the common prefix for English courses, while DRAM is the common prefix for drama/theatre courses. The four-digit number following the prefix identifies specific courses within the subject area. Each digit in the four-digit sequence gives additional information about the course. The first digit identifies the course as either freshman level (1) or sophomore level (2). The second digit identifies the number of credit hours students earn upon successfully completing the course. Most often this digit will be a 1, 2, 3, or 4. The final two digits serve to establish the sequence in which courses are generally taken. Thus, CHEM 1311 - General Chemistry I is taken before CHEM 1312 - General Chemistry II .
Developmental courses not designed for college credit or transfer have a zero as the first digit. Courses that are included in a certificate or an Associate of Applied Science degree are technical (terminal) courses and are not intended as transfer courses. The student should consult with the intended transfer institution to determine the transferability of technical courses. Course equivalency guides are available in the Advising office.

Normal Class Load and Maximum Load

The regular college year is composed of two semesters. Each semester consists of 16 weeks. A full-time student is one who carries 12 or more semester hours of work for the semester. At least 16 semester hours each semester are generally required if the student plans to complete a degree in the usual two or four-year time period. The maximum amount of work that a student will be approved to carry at one time is 18 semester hours. Students will be permitted to carry more than 18 semester hours under one of the following conditions: 1) the student must take additional hours to be eligible for graduation at the end of the semester, or 2) the student made no grade lower than a "B" as a full-time student the previous long semester. The approval of an advisor is required for registration in excess of this maximum load. The summer semester is composed of four-week sessions to eleven-week sessions. A full-time student is one who carries six or more semester hours of work during the term. Permission must be obtained from an advisor to enroll in more than eight hours during the summer session.

Concurrent Enrollment

Approval may be granted for a student to be concurrently enrolled at TC and another institution at the same time. If granted, the student must not exceed the maximum amount of work permitted during any one semester as outlined above.

A person who has received permission for concurrent enrollment and is concurrently enrolled at another institution must submit an official transcript from that institution to the Admissions and Records office at TC at the close of the semester if he/she is planning to enroll at TC for a subsequent semester.

Adding and Dropping Courses

See Changes of Schedules and Withdrawals under Registration.

Auditing of Courses

When space is available, any person 18 years of age or older may, with the consent of the instructor, enroll as an auditor in either the day or evening division of the College. An auditor is entitled to the use of laboratory equipment and supplies and to participation in fieldwork. Students must pay any laboratory fees required whether they use such facilities or not. Students cannot audit applied music classes. The instructor is not obligated to accept any papers, tests or examinations from these students. An auditor is free from such course requirements as attendance, written work, and tests. Credit will not be granted for a course that has been audited, except by enrolling in the course at a later date and completing all of the required work. Those living in the College district will pay the regular in-district tuition and fees plus a special $15 auditing fee for each course audited. Those living outside the College district will pay the regular tuition and fees charged students who are not residents of the College district but who are residents of the state. They will also pay a special $15 auditing fee for each course audited. Once students pay tuition and fees, they may not change from audit status to credit status. Once students pay tuition and fees and enroll for a course for credit, they may not change from credit to audit status.

Procedures for auditing a course will be administered by the Director of Admissions and Records. No refunds of tuition and fees are made to auditing students who withdraw from class unless the class is cancelled by TC.

Auditing of Courses by Senior Citizens

In accordance with Texas Education Code (TEC 54.210 B,)Temple College will grant a student 65 years of age or older an exemption from tuition (only) up to 6 credit hours for (Fall, Spring, and/or Summer) semesters. The College must give preference to students paying tuition, and the discount is based on the availability of space in the class.

Credit Course Enrollment by Senior Citizens

In accordance with Texas Education Code (TEC 54.210 B,) Temple College will grant a student 65 years of age or older an exemption from tuition (only) up to 6 credit hours for (Fall, Spring, and/or Summer) semesters. The College must give preference to students paying tuition, and the discount is based on the availability of space in the class.

Grades

The standing of a student in his/her work is expressed by grades made up from class work and from examinations. There are nine grades: A (Excellent), B (Good), C (Fair), D (Pass), F (Failure), W (Withdrawal), X (work continuing), XF (Failure due to academic dishonesty), and I (Incomplete). The grades of X, W and I are not counted as hours attempted in computing the student's grade point average. A "W" grade is given for an instructor-or student-initiated course withdrawal through the 12th week of the 16 week semester. During the summer semester, a W is given through the 4th week for the 6-week session, the 6th week for the 8-week session and the 9th week for the 12 - week session.

To pass a course it is necessary to secure a grade of at least a "D." In some AAS degree programs a grade of "D" is unacceptable if earned in a major course. When a "D" grade is earned in such a course, the student must repeat that course and earn a grade of "C" or higher. In some AAS degree programs the grade of "D" is not given in major courses. Grades in those courses are: "A…...B," "C.....F." Students enrolling in a program where either of these policies are in effect are informed in advance of the departmental grading policy.

An incomplete grade not removed within 30 calendar days of the first class day of the subsequent term will become an "F." An extension beyond this time frame may only be granted in exceptional circumstances. Approval for the extension must be granted by the instructor in writing and must be submitted to the Director of Admissions and Records for approval. Students who remove incomplete grades in courses that are required for graduation must do so within 30 calendar days from the graduation date in order to be considered a graduate for that term. Students who wait until the subsequent term to clear the incomplete will be considered for graduation in the term in which the incomplete was cleared. The student is responsible for completing a new application for graduation. This policy does not relieve students from meeting course prerequisites.

Any student who has an administrative hold in our system will not be able to view grades, receive funds on TC One Card, request transcripts or enroll for a consecutive semester. These administrative holds include, but are not limited to:

- Incomplete application
- Missing information
- Missing official transcripts
- Disciplinary action
- Temple College unpaid tickets
- Unreturned Library books
- Unpaid tuition
- Return in funds for Financial Aid
- Unreturned materials to Student Support
- Default on Institutional short term loans
- Default on Federal Student Loans*

*Must meet the lender arrangements and must provide proof to Temple College that student(s) has/have made six consecutive monthly payments.

Temple College Change of Grade Policy

Grades are subject to change under the following conditions:
INCOMPLETES: A grade of incomplete "I" will be changed to a letter grade. If a grade of "I" is not changed within 30 calendar days into the next semester, a grade of "F" will be assigned unless the instructor notifies the Director/Associate Director of Admissions and Records in writing prior to the deadline.
ERRORS: A grade calculated or recorded erroneously may be changed by the instructor to the grade actually earned.
DISPUTES: A disputed grade may be changed if the student appeals the grade given within one academic year from the term the grade was earned.

Grade Change Policy:

A change of grade will be accepted by the Director/Associate Director of Admissions and Records only if properly submitted by the instructor. Grade changes will be accepted up to one calendar year from the original term of enrollment for the course.

Student Grade Appeal Procedure:

A student who wishes to question a grade must discuss the matter first with the instructor of record as soon as possible, preferably no later than one week after the start of the next regular academic term after receiving the grade. If the student's concerns remain unresolved after the discussion with the instructor, the student may submit a written request to meet with the appropriate Department Chair within one week of speaking with the instructor. If the matter remains unresolved after step two, the student will submit a written request within one week to the Division Director. If the matter remains unresolved after step three, the student will submit a written request within one week to the Vice President of Educational Services.

XF Grade Appeals Process

A grade of XF must remain on the student's transcript for at least one year beyond the semester for which the grade was initially assigned.
After one year, and no more than 3 years from the end of the semester the XF grade was assigned, a student may petition, in writing, the faculty member who issued the "XF", or the department chair (if faculty member is no longer employed by TC), to have the X portion of the grade expunged. The student must also meet with the faculty member/department chair to explain the request.
If a petition to change an XF grade has been made and denied, the student must wait at least one long semester from the date of denial to repeat the petition process. A student may petition until the maximum 3-year time limit has expired.

Once the petition is received and approved by the faculty member/department Chair, the petition will go to the Academic Integrity Committee (AIC) for final review. If the petition is approved by the AIC, the AIC will establish the conditions for expunging the "X" portion of the grade for each individual situation. Those conditions could include, but are not limited to:

1. Student must register for a course in ethics/integrity (specifically created by a committee for this purpose, containing objective questions and an essay – essay would be randomly selected from a bank of topics) several have suggested using existing ethics courses and informing student upon receiving XF to consult the petition process.
2. Upon completion of the course, the student must score 80 or above on an end of course exam.

Once the established conditions have been met, with the approval of the Vice President for Educational Services, the faculty member/department chair will submit a grade change request.

If the student is subsequently found guilty of a second violation of academic integrity, committed either before or after the original violation, the XF cannot be removed. For cases in which the second violation was not discovered until after the original XF was changed to an F, the XF grade is permanently restored for the course. The Vice President for Educational Services will provide information from Retention Alert and other sources pertaining to each petition for review.

A student may retake a course where a grade of XF was awarded to obtain a better grade for the course. However, the "XF" grade will remain on the student's transcript until the student successfully petitions for its removal.

Grade Point Average

The grade point average (GPA) is computed on the following values for each semester hour of credit: A - 4; B - 3; C - 2; D - 1; and F - 0. Grade Point Averages are computed by dividing the total grade points earned by the number of semester hours attempted that are used in the GPA calculation.

Prior to the Fall 2002 semester, all transfer hours with a grade of "D" or above were calculated into the cumulative GPA. Transfer hours that were not required by the degree plan, but which counted as electives, also were included in the cumulative GPA. Temple College hours excluding developmental courses, also were calculated into the cumulative GPA. (Developmental hours were calculated into the semester grade point average only.)

Beginning with the Fall 2002 semester, Temple College will not include transfer hours in the cumulative GPA calculation. Temple College will accept transfer hours with a grade of "D" or above as transfer credit but the grades will no longer affect the Temple College cumulative grade point average. From Fall 2002 to Summer 2005, developmental hours were not included in the semester GPA calculation. Beginning with the Fall 2005 semester, developmental hours will be included in the semester GPA calculation.

Repeating of Courses

Beginning with the Fall 2005 semester, a student who wishes to repeat a course will only be allowed to repeat a course one time. If a student needs to repeat a college credit course for a second time (third attempt), the student must receive approval from an advisor. An additional fee will be charged for repeating the same course more than twice. If a student repeats a course, the credit hours and grade points earned from the attempt with the highest grade will be considered the grade of record and will be counted toward computation of an overall grade point average. The hours and grade points from the lower grade attempt will not be calculated in the overall grade point average. If the course repeated is identified in the catalog as a course that may be repeated for credit when the topics vary, then the topics must be the same before the course will be treated as repeated for replacement. However, a student may not remove an earlier punitive grade (F, I) by enrolling in that course again and finishing with a non-punitive grade (W). In this case, the first attempt will continue to be included in the overall grade point average calculation. The semester grade point average will be computed as it normally would be even if a course is repeated. All courses attempted during a given semester will be used in calculating a semester grade point average, even if a course is repeated at a later date.

Exemption

Students will not be exempt from final examinations.

Schedule and Syllabus Changes

Temple College reserves the right to modify the class schedule when necessary. Instructors maintain the freedom to modify course syllabi when appropriate.

Academic Honors and Standards

President's Honor List

A student must be taking at least nine (9) semester hours of work and must have a grade point average of at least 4.0. In addition, disciplinary or academic probation shall make a student ineligible.

Vice President's Honor List

A student must be taking at least nine (9) semester hours of work and must have a grade point average of at least 3.5. In addition, disciplinary or academic probation shall make a student ineligible.

High Honor Graduates

Graduates receiving an Associate of Arts or an Associate of Applied Science with at least 30 hours at Temple College and with a grade point average of 4.0 on all hours which count toward graduation are considered high honor graduates.

Honor Graduates

Graduates receiving an Associate of Arts or an Associate of Applied Science with at least 30 hours at Temple College and with a grade point average of 3.5 on all hours which count toward graduation are considered honor graduates.

Academic Standards

Temple College has adopted academic standards for continued enrollment and graduation which require students to achieve an overall 2.0 grade point average in order to be eligible for graduation.

Academic Probation

Students who fail to meet either the semester GPA standard or the cumulative GPA standard or both will be placed on academic probation for the ensuing semester. If a student is on academic probation and satisfies either the semester GPA standard or the cumulative GPA standard but fails to meet the other, the student is continued on probation. The student will remain on probation until both the semester and the cumulative GPA are at or above a 2.0. Any student placed on Academic Probation must attend an Academic Probation Counseling session prior to the start of the next term in which they are enrolled. Failure to attend Academic Probation Counseling session may result in the student being dropped from all classes.

Academic Suspension

A student on academic probation who fails to meet both the semester and cumulative GPA standards will be suspended from the College for the ensuing fall or spring semester and any intervening summer session. A student on academic suspension will be out indefinitely until the student meets with the Director of Student Retention. Once approved, the student will return to Temple College on Probation during the first semester. During the probationary semester, the student will meet with the Director on three designated dates. If the student fails to meet with the Director on or prior to the designated meeting dates, he/she will be removed from all of their courses for the semester.

Academic Waiver

A student placed on academic suspension at the end of a long semester who wishes to continue at Temple College may apply for an Academic Suspension Waiver. Suspension waivers are considered each semester by the Director of Retention. The waiver request must be for a 16-week semester (summer semesters are not included). Students placed on academic suspension following a summer semester will not be eligible to waive the academic suspension. No student with an academic record reflecting three or more scholastic suspensions may be re-admitted to the college without the recommendation of the Director of Retention and the Division Director of Student Enrollment Services. All requests for an Academic Suspension Appeal must be made in writing. The student making the request must meet with the Director of Retention in person. Upon approval the student will meet with the Director on three designated dates during the semester in which the Waiver was approved. If the student fails to meet with the Director on or prior to the designated meeting dates, he/she will be removed from all of their courses for the semester. Contact the Office of the Director of Retention for details.

Transfer Students

A transfer student who is not academically eligible to return to the college he/she last attended will not be eligible for regular admission to Temple College. For information on exceptions and special admissions, contact the Director of Retention. A transfer student who was placed on probation at the college he/she last attended will be admitted on probation to Temple College and must meet the minimum standard of work during his/her first semester of enrollment in order to continue in attendance. A transfer student whose transcript does not indicate that he/she was on probation, but whose academic record during the last semester of his/her attendance at another college did not meet the minimum standard of work at Temple College, will be admitted on probation and must meet the minimum standard of work during his/her first semester of enrollment in order to continue his/her attendance. During the probationary period, the student will meet with the Director on three designated dates during the semester. If the student fails to meet with the Director on or prior to the designated meeting dates, he/she will be removed from all of their courses for the semester.

General Program Requirements

Associate Degree Graduation Requirements

Temple College awards degrees and certificates during the Spring, Summer, and Fall semesters. Although there are three different semesters in which a student may graduate, Temple College only holds one formal graduation ceremony a year. This ceremony is held at the end of the Spring semester. This ceremony is for students who will meet degree requirements during that semester as well as those students who have graduated during the preceding Summer or Fall semesters. In order to be eligible to participate in the ceremony, students must complete the Application for Graduation and indicate their desire to participate in the ceremony.

Students will be considered as a candidate for graduation only upon completion of the Application for Graduation. Students must submit the application for graduation by the following deadline dates: Spring–February 1, Summer–June 1, and Fall–October 1.

If the first of the month falls on a holiday or a weekend, the deadline date will be extended to the next business day. Students who do not submit their paperwork by these dates will be charged a $30 late fee. The last day to submit a late application for graduation for a term is four weeks before the last regular class day of the term. Students who do not apply by the deadline dates will not be considered for graduation for that term and will need to submit an application for the next graduation date.

Requirements for Associate Degrees

1. Completion of all admission requirements. All required documents must be on file.
2. Completion of all degree requirements of the catalog in effect at the time students originally entered TC or any subsequent catalogs in effect as long as the students have been continuously enrolled and provided they meet the requirements within four years from the date they first enrolled under that catalog. Students who are not continuously enrolled or who do not finish within the four-year time limit must meet degree requirements of the current catalog year.
3. Completion of at least 25 percent of the credit hours required for the degree at Temple College.
4. Completion of all coursework required for the degree with a minimum 2.0 cumulative grade-point average.
5. Completion of all financial obligations.
6. Completion of the core curriculum for each degree as listed in this catalog.
7. Completion of all Texas Success Initiative (TSI) requirements. Students will not be eligible for graduation until all TSI requirements have been met.
8. Completion of the Application for Graduation by deadline date.
9. Completion of computer competency exam or approved course substitution.

Associate of Arts Degree

The Associate of Arts degree represents the first two years of college study towards a bachelor's degree. Fundamental to this study is the core curriculum, outlined below. Comprising a total of 42 semester hours of credit, this core of courses is designed to help the student acquire important intellectual skills, develop an appreciation for the major systems of learning, and open his or her mind to significant aspects of other cultures.

The Temple College core curriculum is fully transferable to any public college or university in Texas, and is guaranteed by the Texas State Legislature to meet all lower division core requirements of the receiving institution, up to a total of 42 semester hours.

Associate of Arts Degree Requirements:

Temple College Core Curriculum 42 semester hours

Electives — Courses from student's intended major and other related courses 18 semester hours

Total credit hours for Associate of Arts (AA) degree 60 semester hours

At least 64 semester hours of academic credit, exclusive of developmental courses, with at least a "C" average on all hours attempted is required to earn an AA degree.

To receive an AA degree from Temple College, the student must have completed at least 25 percent of the credit hours required for the degree at Temple College. (Not including developmental coursework).

* For a student to receive an AA degree from Temple College with any variation from these prescribed residency requirements, a statement waiving the requirement and signed by the Vice President of Educational Services must be on file in the student's record folder in the Office of Admissions and Records.

Associate of Applied Science Degree

The Associate of Applied Science Degree (AAS) is a two-year program designed for those planning to enter the workforce after graduation. Some AAS degrees, especially those in the health sciences, prepare students for state or national credentialing/licensing exams.

Requirements for Associate Degrees

1. Completion of all admission requirements. All required documents must be on file.
2. Completion of all degree requirements of the catalog in effect at the time students originally entered TC or any subsequent catalogs in effect as long as the students have been continuously enrolled and provided they meet the

requirements within four years from the date they first enrolled under that catalog. Students who are not continuously enrolled or who do not finish within the four-year time limit must meet degree requirements of the current catalog year.

3. Completion of at least 25 percent of the credit hours required for the degree at Temple College.
4. Completion of all Temple College coursework with a minimum 2.0 cumulative grade-point average.
5. Completion of all financial obligations.
6. Completion of the core curriculum for each degree as listed in this catalog.
7. Completion of all Texas Success Initiative (TSI) requirements. Students will not be eligible for graduation until all TSI requirements have been met.
8. Completion of the Application for Graduation by deadline date.

In order to graduate from Temple College and receive the Associate of Applied Science degree, the student must complete 15 hours of general core courses. See your Program of Study for specific requirements.

Courses

ENGL 1301

HUMANITIES/FINE ARTS - Art, Drama/Theater, HIST 2311 or HIST 2312, Humanities, Literature, Music, and Philosophy (excluding Logic)

MATH/NATURAL SCIENCE - Academic Math or Science (of at least 3 hours)

SOCIAL/BEHAVIORAL SCIENCE - Anthropology, Economics, Geography, Government, Psychology, or Sociology.

GENERAL EDUCATION COURSE (Determined by the appropriate division/department.)

COURSES *Course work from the student's specific major

Total Hours

Note: Students must complete at least 60 to 72 semester hours of course credit, dependent on specific program requirements, exclusive of developmental level courses, with a "C" or better average on all hours attempted. Some technical programs have additional specific grade requirements for their majors. These are listed in this catalog under specific programs in which the Associate of Applied Science degree is conferred.

*Included in the 60-72 hours of course work should be all of the prescribed requirements for the specific technical degree program for which the student is enrolled. These requirements are listed in this catalog under specific programs in which an Associate of Applied Science degree is conferred.

To receive an AAS degree, the student must have completed at least 25 percent of the credit hours required for the degree at Temple College.

For any variation from these prescribed requirements to be counted toward graduation, a written statement waiving that requirement and signed by the Vice President of Educational Services must be on file in the student's record folder.

Guarantee for Job Competency

If a recipient of an Associate of Applied Science degree or Certificate of Completion is judged by his/her employer to be lacking in technical job skills identified as exit competencies for his/her specific degree program, the graduate will be provided up to 12 tuition-free credit hours of additional skill training by Temple College under the conditions of the guarantee policy. Special conditions, which apply to the guarantee, include the following:

1. The graduate must have earned the Associate of Applied Science degree or Certificate of Completion beginning June 1992 or thereafter in a technical, vocational or occupational program identified in the College's general catalog.
2. The graduate must have completed requirements for the Associate of Applied Science degree or Certificate of Completion with the Temple College system, with a minimum 75 percent of credits earned at Temple College, and must have completed the degree or certificate within a five-year time span.
3. Graduate must be employed full-time in an area directly related to the area of program concentration as certified by the Division Director of Student and Enrollment Services.
4. Employment must commence within 12 months of graduation.
5. The employer must certify in writing that the employee is lacking entry-level skills identified by Temple College as program exit competencies and must specify the areas of deficiency within 90 days of the graduate's initial employment.
6. The employer, graduate, Division Director of Student and Enrollment Services, Director of Community Services and Business Training, job placement counselor, and appropriate faculty member will develop a written educational plan for 7retraining.

7. Retraining will be limited to 12 credit hours related to the identified skill deficiency and to those classes regularly scheduled during the period covered by the retraining plan.
8. All retraining must be completed within a calendar year from the time the educational plan is agreed upon.
9. The graduate and/or employer is responsible for the cost of books, insurance, uniforms, fees and other course-related expenses.
10. The guarantee does not imply that the graduate will pass any licensing or qualifying examination for a particular career.

A student's sole remedy against Temple College and its employees for skill deficiencies shall be limited to 12 credit hours of tuition-free education under the conditions described above. Activation of the "Graduate Guarantee Program" may be initiated by the graduate by contacting the Vice President of Educational Services within 90 days of the graduate's initial employment.

Requirements for Certificates

1. Completion of all admission requirements. All required documents must be on file.
2. Completion of all certificate requirements of the catalog in effect at the time students originally entered TC or any subsequent catalog in effect as long as students have been continuously enrolled and provided they meet the requirements with four years from the date they first enrolled under that catalog. Students who are not continuously enrolled or who do not finish within the four-year time limit must meet degree requirements of the current catalog year.
3. Completion of all coursework required for the certificate with a minimum 2.0 cumulative grade-point average. (Note: Only grades for the specific courses required in the Level I certificate are used to calculate the GPA to determine eligibility for the award of the certificate.) Level 2 certificates require completion of all coursework required for the certificate with a 2.0 overall grade-point average. (Note: This includes all coursework used by the institution to calculate Academic Standards grade-point average.)
4. Completion of all financial obligations.
5. Completion of all Texas Success Initiative (TSI) requirements if students are graduating with a level- two certificate.
6. Completion of the Application for Graduation by deadline date.
7. Completion of the requirements check by the Technical Department Chairman. It is the student's responsibility to contact the department for the requirements check.
8. Completion of at least 25 percent of the credit hours required for the certificate at Temple College.

Requesting a Temple College Transcript

A student may request up to 5 official transcripts per calendar year for no charge. The calendar year is considered to be September – August. After the 5th request for an official transcript, the cost will be $5 per official transcript. To request an official transcript please see Admissions and Records or download the form at www.templejc.edu, click on "admissions and records" located under the "Getting Started" link.

Please note: Any student who has an administrative hold in our system will not be able to view grades, receive refund checks, enroll for a consecutive semester, or receive transcripts. These holds include, but are not limited, to:

Incomplete application
Missing information from application
Missing official transcripts from other schools
Disciplinary action
Temple College unpaid tickets
Unreturned library books
Unpaid tuition
Return of funds for Financial Aid
Unreturned materials to Student Enrollment Services
Default on Institutional Short Term Loans
Default on Federal Student Loans*

*The student must meet the lender's arrangements and must provide proof to Temple College that the student has made six consecutive monthly payments.

Associate of Arts Degree-Academic Transfer Fields of Study-Certificates

The **Associate of Arts (AA) Degree** represents the first two years of college study toward a bachelor's degree. AA degree requirements at TC include 42 semester hours from the core curriculum and 22 semester hours of electives from major or related courses for a total of 64 semester hours.

The **Core Curriculum**, required for graduation and transfer to Texas public universities, is guaranteed by the Texas Legislature to meet all "lower division" core requirements, regardless of which Texas public university you wish to attend, up to a total of 48 semester hours.

The Temple College core curriculum (42 semester hours of credit or roughly 14 courses) is designed to provide a broad knowledge based upon which to obtain a two-year degree or build the foundation of a four-year degree.

Because degree requirements vary at the university level, plan carefully once the core courses are completed. TC has articulation agreements with area universities, and our advisors can help you ensure a smooth transfer.

A **Field of Study** curriculum is a set of courses that will satisfy the lower-division requirements for a baccalaureate degree in a specific academic area at a general academic teaching institution. A field of study curriculum affects academic degree programs at public colleges or universities as designated within the particular field of study curriculum.

Certificates

Temple College offers **Advanced Technical Certificates** and **Enhanced** Skills **Certificates** in Health Sciences for those students who already have completed a degree and want additional training and specialization.

For students who are interested in short-term training, Temple College offers a variety of options. **Level I and Level II Certificates** are designed to provide a foundation for entry-level employment and the opportunity to continue to pursue an associate's degree. Some certificate programs, especially those in the health sciences, prepare students to take examinations for special certifications or licensure.

Core Curriculum Courses

Temple College: Core Curriculum Courses

010 - Communication: 6 Semester Credit Hrs

- ENGL 1301 - Composition I **3 credit hours.**
- ENGL 1302 - Composition II **3 credit hours.**
- ENGL 2311 - Technical and Business Writing **3 credit hours.**
- SPCH 1311 - Introduction to Speech Communication **3 credit hours.**
- SPCH 1315 - Public Speaking **3 credit hours.**
- SPCH 1318 - Interpersonal Communication **3 credit hours.**
- SPCH 1321 - Business and Professional Communication **3 credit hours.**

020 - Mathematics: 3 Semester Credit Hrs

- MATH 1314 - College Algebra **3 credit hours.**
- MATH 1324 - Mathematics for Business and Social Science I **3 credit hours.**
- MATH 1332 - Contemporary Mathematics I **3 credit hours.**
- MATH 1442 - Elementary Statistical Methods **4 credit hours.**
- MATH 2412 - Pre-Calculus Math **4 credit hours.**

- MATH 2413 - Calculus I **4 credit hours.**

030 - Life and Physical Sciences: 6 Semester Credit Hrs

- BIOL 1406 - Biology for Science Majors I **4 credit hours.**
- BIOL 1407 - Biology for Science Majors II **4 credit hours.**
- BIOL 1411 - General Botany **4 credit hours.**
- BIOL 1413 - General Zoology **4 credit hours.**
- BIOL 1424 - Systematic Botany **4 credit hours.**
- BIOL 2316 - Genetics **3 credit hours.**
- BIOL 2401 - Anatomy and Physiology I **4 credit hours.**
- BIOL 2402 - Anatomy and Physiology II **4 credit hours.**
- BIOL 2428 - Vertebrate Zoology **4 credit hours.**
- CHEM 1405 - Introductory Chemistry I **4 credit hours.**
- CHEM 1407 - Introductory Chemistry II **4 credit hours.**
- CHEM 1411 - General Chemistry I **4 credit hours.**
- CHEM 1412 - General Chemistry II **4 credit hours.**
- ENVR 1301 - Environmental Science I **3 credit hours.**
- GEOL 1303 - Physical Geology **3 credit hours.**
- GEOL 1304 - Historical Geology **3 credit hours.**
- PHYS 1303 - Stars and Galaxies **3 credit hours.**
- PHYS 1304 - Solar System **3 credit hours.**
- PHYS 1401 - College Physics I **4 credit hours.**
- PHYS 1402 - College Physics II **4 credit hours.**
- PHYS 1405 - Elementary Physics I **4 credit hours.**
- PHYS 1407 - Elementary Physics II **4 credit hours.**
- PHYS 2425 - University Physics I **4 credit hours.**
- PHYS 2426 - University Physics II **4 credit hours.**

040 - Language, Philosophy and Culture: 3 Semester Credit Hrs

- ENGL 2322 - British Literature I **3 credit hours.**
- ENGL 2323 - British Literature II **3 credit hours.**
- ENGL 2327 - American Literature I **3 credit hours.**
- ENGL 2328 - American Literature II **3 credit hours.**
- HIST 2311 - Western Civilization I **3 credit hours.**
- HIST 2312 - Western Civilization II **3 credit hours.**
- HUMA 1301 - Introduction to the Humanities I **3 credit hours.**
- SPAN 1411 - Beginning Spanish I **4 credit hours.**
- SPAN 1412 - Beginning Spanish II **4 credit hours.**

050 - Creative Arts: 3 Semester Credit Hrs

- ARTS 1301 - Art Appreciation **3 credit hours.**
- ARTS 1303 - Art History Survey I **3 credit hours.**

- DRAM 1310 - Introduction to Theater **3 credit hours.**
- MUSI 1301 - Fundamentals of Music I **3 credit hours.**
- MUSI 1306 - Music Appreciation **3 credit hours.**
- MUSI 1308 - Music Literature I **3 credit hours.**
- MUSI 1309 - Music Literature II **3 credit hours.**
- MUSI 1310 - American Music **3 credit hours.**

060 - American History: 6 Semester Credit Hrs

- HIST 1301 - United States History I **3 credit hours.**
- HIST 1302 - United States History II **3 credit hours.**
- HIST 2301 - Texas History **3 credit hours.**

070 - Government/Political Science: 6 Semester Credit Hrs

- GOVT 2305 - Federal Government (Federal Constitution and Topics) **3 credit hours.**
- GOVT 2306 - Texas Government (Texas Constitution and Topics) **3 credit hours.**

080 - Social and Behavioral Sciences: 3 Semester Credit Hrs

- ECON 2301 - Principles of Macroeconomics **3 credit hours.**
- ECON 2302 - Principles of Microeconomics **3 credit hours.**
- PSYC 2301 - General Psychology **3 credit hours.**
- SOCI 1301 - Introductory Sociology **3 credit hours.**
- SOCI 2336 - Criminology **3 credit hours.**

090 - Component Area Option: 6 Semester Credit Hrs

- ARTS 1301 - Art Appreciation **3 credit hours.**
- ARTS 1303 - Art History Survey I **3 credit hours.**
- BCIS 1301 - Microcomputer Applications **3 credit hours.**
- BIOL 1406 - Biology for Science Majors I **4 credit hours.**
- BIOL 1407 - Biology for Science Majors II **4 credit hours.**
- BIOL 1411 - General Botany **4 credit hours.**
- BIOL 1413 - General Zoology **4 credit hours.**
- BIOL 1424 - Systematic Botany **4 credit hours.**
- BIOL 2316 - Genetics **3 credit hours.**
- BIOL 2401 - Anatomy and Physiology I **4 credit hours.**
- BIOL 2402 - Anatomy and Physiology II **4 credit hours.**
- BIOL 2428 - Vertebrate Zoology **4 credit hours.**
- CHEM 1405 - Introductory Chemistry I **4 credit hours.**
- CHEM 1407 - Introductory Chemistry II **4 credit hours.**
- CHEM 1411 - General Chemistry I **4 credit hours.**
- CHEM 1412 - General Chemistry II **4 credit hours.**
- COSC 1301 - Introduction to Computing **3 credit hours.**

- DRAM 1310 - Introduction to Theater **3 credit hours.**
- ECON 2301 - Principles of Macroeconomics **3 credit hours.**
- ECON 2302 - Principles of Microeconomics **3 credit hours.**
- EDUC 1300 - Learning Frameworks **3 credit hours.**
- ENGL 1302 - Composition II **3 credit hours.**
- ENGL 2311 - Technical and Business Writing **3 credit hours.**
- ENGL 2322 - British Literature I **3 credit hours.**
- ENGL 2323 - British Literature II **3 credit hours.**
- ENGL 2327 - American Literature I **3 credit hours.**
- ENGL 2328 - American Literature II **3 credit hours.**
- ENVR 1101 - Environmental Science Laboratory I **1 credit hours.**
- ENVR 1301 - Environmental Science I **3 credit hours.**
- GEOL 1103 - Physical Geology Laboratory **1 credit hours.**
- GEOL 1104 - Historical Geology Laboratory **1 credit hours.**
- GEOL 1303 - Physical Geology **3 credit hours.**
- GEOL 1304 - Historical Geology **3 credit hours.**
- HIST 1302 - United States History II **3 credit hours.**
- HIST 2301 - Texas History **3 credit hours.**
- HIST 2311 - Western Civilization I **3 credit hours.**
- HIST 2312 - Western Civilization II **3 credit hours.**
- HUMA 1301 - Introduction to the Humanities I **3 credit hours.**
- MATH 1314 - College Algebra **3 credit hours.**
- MATH 1324 - Mathematics for Business and Social Science I **3 credit hours.**
- MATH 1332 - Contemporary Mathematics I **3 credit hours.**
- MATH 1442 - Elementary Statistical Methods **4 credit hours.**
- MATH 2412 - Pre-Calculus Math **4 credit hours.**
- MATH 2413 - Calculus I **4 credit hours.**
- MUSI 1301 - Fundamentals of Music I **3 credit hours.**
- MUSI 1306 - Music Appreciation **3 credit hours.**
- MUSI 1308 - Music Literature I **3 credit hours.**
- MUSI 1309 - Music Literature II **3 credit hours.**
- MUSI 1310 - American Music **3 credit hours.**
- PHYS 1103 - Stars and Galaxies Laboratory **1 credit hours.**
- PHYS 1104 - Solar System Laboratory **1 credit hours.**
- PHYS 1303 - Stars and Galaxies **3 credit hours.**
- PHYS 1304 - Solar System **3 credit hours.**
- PHYS 1401 - College Physics I **4 credit hours.**
- PHYS 1402 - College Physics II **4 credit hours.**
- PHYS 1405 - Elementary Physics I **4 credit hours.**
- PHYS 1407 - Elementary Physics II **4 credit hours.**
- PHYS 2425 - University Physics I **4 credit hours.**
- PHYS 2426 - University Physics II **4 credit hours.**
- PSYC 2301 - General Psychology **3 credit hours.**
- SOCI 1301 - Introductory Sociology **3 credit hours.**
- SOCI 2336 - Criminology **3 credit hours.**
- SPAN 1411 - Beginning Spanish I **4 credit hours.**
- SPAN 1412 - Beginning Spanish II **4 credit hours.**

- SPCH 1311 - Introduction to Speech Communication **3 credit hours.**
- SPCH 1315 - Public Speaking **3 credit hours.**
- SPCH 1318 - Interpersonal Communication **3 credit hours.**
- SPCH 1321 - Business and Professional Communication **3 credit hours.**

Associate Degrees, Certificates & Fields of Study

Temple College: Core Curriculum Courses

010 - Communication: 6 Semester Credit Hrs

- ENGL 1301 - Composition I **3 credit hours.**
- ENGL 1302 - Composition II **3 credit hours.**
- ENGL 2311 - Technical and Business Writing **3 credit hours.**
- SPCH 1311 - Introduction to Speech Communication **3 credit hours.**
- SPCH 1315 - Public Speaking **3 credit hours.**
- SPCH 1318 - Interpersonal Communication **3 credit hours.**
- SPCH 1321 - Business and Professional Communication **3 credit hours.**

020 - Mathematics: 3 Semester Credit Hrs

- MATH 1314 - College Algebra **3 credit hours.**
- MATH 1324 - Mathematics for Business and Social Science I **3 credit hours.**
- MATH 1332 - Contemporary Mathematics I **3 credit hours.**
- MATH 1442 - Elementary Statistical Methods **4 credit hours.**
- MATH 2412 - Pre-Calculus Math **4 credit hours.**
- MATH 2413 - Calculus I **4 credit hours.**

030 - Life and Physical Sciences: 6 Semester Credit Hrs

- BIOL 1406 - Biology for Science Majors I **4 credit hours.**
- BIOL 1407 - Biology for Science Majors II **4 credit hours.**
- BIOL 1411 - General Botany **4 credit hours.**
- BIOL 1413 - General Zoology **4 credit hours.**
- BIOL 1424 - Systematic Botany **4 credit hours.**
- BIOL 2316 - Genetics **3 credit hours.**
- BIOL 2401 - Anatomy and Physiology I **4 credit hours.**
- BIOL 2402 - Anatomy and Physiology II **4 credit hours.**
- BIOL 2428 - Vertebrate Zoology **4 credit hours.**
- CHEM 1405 - Introductory Chemistry I **4 credit hours.**
- CHEM 1407 - Introductory Chemistry II **4 credit hours.**
- CHEM 1411 - General Chemistry I **4 credit hours.**

- CHEM 1412 - General Chemistry II **4 credit hours.**
- ENVR 1301 - Environmental Science I **3 credit hours.**
- GEOL 1303 - Physical Geology **3 credit hours.**
- GEOL 1304 - Historical Geology **3 credit hours.**
- PHYS 1303 - Stars and Galaxies **3 credit hours.**
- PHYS 1304 - Solar System **3 credit hours.**
- PHYS 1401 - College Physics I **4 credit hours.**
- PHYS 1402 - College Physics II **4 credit hours.**
- PHYS 1405 - Elementary Physics I **4 credit hours.**
- PHYS 1407 - Elementary Physics II **4 credit hours.**
- PHYS 2425 - University Physics I **4 credit hours.**
- PHYS 2426 - University Physics II **4 credit hours.**

040 - Language, Philosophy and Culture: 3 Semester Credit Hrs

- ENGL 2322 - British Literature I **3 credit hours.**
- ENGL 2323 - British Literature II **3 credit hours.**
- ENGL 2327 - American Literature I **3 credit hours.**
- ENGL 2328 - American Literature II **3 credit hours.**
- HIST 2311 - Western Civilization I **3 credit hours.**
- HIST 2312 - Western Civilization II **3 credit hours.**
- HUMA 1301 - Introduction to the Humanities I **3 credit hours.**
- SPAN 1411 - Beginning Spanish I **4 credit hours.**
- SPAN 1412 - Beginning Spanish II **4 credit hours.**

050 - Creative Arts: 3 Semester Credit Hrs

- ARTS 1301 - Art Appreciation **3 credit hours.**
- ARTS 1303 - Art History Survey I **3 credit hours.**
- DRAM 1310 - Introduction to Theater **3 credit hours.**
- MUSI 1301 - Fundamentals of Music I **3 credit hours.**
- MUSI 1306 - Music Appreciation **3 credit hours.**
- MUSI 1308 - Music Literature I **3 credit hours.**
- MUSI 1309 - Music Literature II **3 credit hours.**
- MUSI 1310 - American Music **3 credit hours.**

060 - American History: 6 Semester Credit Hrs

- HIST 1301 - United States History I **3 credit hours.**
- HIST 1302 - United States History II **3 credit hours.**
- HIST 2301 - Texas History **3 credit hours.**

070 - Government/Political Science: 6 Semester Credit Hrs

- GOVT 2305 - Federal Government (Federal Constitution and Topics) **3 credit hours.**
- GOVT 2306 - Texas Government (Texas Constitution and Topics) **3 credit hours.**

080 - Social and Behavioral Sciences: 3 Semester Credit Hrs

- ECON 2301 - Principles of Macroeconomics **3 credit hours.**
- ECON 2302 - Principles of Microeconomics **3 credit hours.**
- PSYC 2301 - General Psychology **3 credit hours.**
- SOCI 1301 - Introductory Sociology **3 credit hours.**
- SOCI 2336 - Criminology **3 credit hours.**

090 - Component Area Option: 6 Semester Credit Hrs

- ARTS 1301 - Art Appreciation **3 credit hours.**
- ARTS 1303 - Art History Survey I **3 credit hours.**
- BCIS 1301 - Microcomputer Applications **3 credit hours.**
- BIOL 1406 - Biology for Science Majors I **4 credit hours.**
- BIOL 1407 - Biology for Science Majors II **4 credit hours.**
- BIOL 1411 - General Botany **4 credit hours.**
- BIOL 1413 - General Zoology **4 credit hours.**
- BIOL 1424 - Systematic Botany **4 credit hours.**
- BIOL 2316 - Genetics **3 credit hours.**
- BIOL 2401 - Anatomy and Physiology I **4 credit hours.**
- BIOL 2402 - Anatomy and Physiology II **4 credit hours.**
- BIOL 2428 - Vertebrate Zoology **4 credit hours.**
- CHEM 1405 - Introductory Chemistry I **4 credit hours.**
- CHEM 1407 - Introductory Chemistry II **4 credit hours.**
- CHEM 1411 - General Chemistry I **4 credit hours.**
- CHEM 1412 - General Chemistry II **4 credit hours.**
- COSC 1301 - Introduction to Computing **3 credit hours.**
- DRAM 1310 - Introduction to Theater **3 credit hours.**
- ECON 2301 - Principles of Macroeconomics **3 credit hours.**
- ECON 2302 - Principles of Microeconomics **3 credit hours.**
- EDUC 1300 - Learning Frameworks **3 credit hours.**
- ENGL 1302 - Composition II **3 credit hours.**
- ENGL 2311 - Technical and Business Writing **3 credit hours.**
- ENGL 2322 - British Literature I **3 credit hours.**
- ENGL 2323 - British Literature II **3 credit hours.**
- ENGL 2327 - American Literature I **3 credit hours.**
- ENGL 2328 - American Literature II **3 credit hours.**
- ENVR 1101 - Environmental Science Laboratory I **1 credit hours.**
- ENVR 1301 - Environmental Science I **3 credit hours.**
- GEOL 1103 - Physical Geology Laboratory **1 credit hours.**
- GEOL 1104 - Historical Geology Laboratory **1 credit hours.**
- GEOL 1303 - Physical Geology **3 credit hours.**

- GEOL 1304 - Historical Geology **3 credit hours.**
- HIST 1302 - United States History II **3 credit hours.**
- HIST 2301 - Texas History **3 credit hours.**
- HIST 2311 - Western Civilization I **3 credit hours.**
- HIST 2312 - Western Civilization II **3 credit hours.**
- HUMA 1301 - Introduction to the Humanities I **3 credit hours.**
- MATH 1314 - College Algebra **3 credit hours.**
- MATH 1324 - Mathematics for Business and Social Science I **3 credit hours.**
- MATH 1332 - Contemporary Mathematics I **3 credit hours.**
- MATH 1442 - Elementary Statistical Methods **4 credit hours.**
- MATH 2412 - Pre-Calculus Math **4 credit hours.**
- MATH 2413 - Calculus I **4 credit hours.**
- MUSI 1301 - Fundamentals of Music I **3 credit hours.**
- MUSI 1306 - Music Appreciation **3 credit hours.**
- MUSI 1308 - Music Literature I **3 credit hours.**
- MUSI 1309 - Music Literature II **3 credit hours.**
- MUSI 1310 - American Music **3 credit hours.**
- PHYS 1103 - Stars and Galaxies Laboratory **1 credit hours.**
- PHYS 1104 - Solar System Laboratory **1 credit hours.**
- PHYS 1303 - Stars and Galaxies **3 credit hours.**
- PHYS 1304 - Solar System **3 credit hours.**
- PHYS 1401 - College Physics I **4 credit hours.**
- PHYS 1402 - College Physics II **4 credit hours.**
- PHYS 1405 - Elementary Physics I **4 credit hours.**
- PHYS 1407 - Elementary Physics II **4 credit hours.**
- PHYS 2425 - University Physics I **4 credit hours.**
- PHYS 2426 - University Physics II **4 credit hours.**
- PSYC 2301 - General Psychology **3 credit hours.**
- SOCI 1301 - Introductory Sociology **3 credit hours.**
- SOCI 2336 - Criminology **3 credit hours.**
- SPAN 1411 - Beginning Spanish I **4 credit hours.**
- SPAN 1412 - Beginning Spanish II **4 credit hours.**
- SPCH 1311 - Introduction to Speech Communication **3 credit hours.**
- SPCH 1315 - Public Speaking **3 credit hours.**
- SPCH 1318 - Interpersonal Communication **3 credit hours.**
- SPCH 1321 - Business and Professional Communication **3 credit hours.**

Associate of Arts

Academic Transfer, AA Degree and Fields of Study

In order to graduate from Temple College and receive the Associate of Arts degree, the student must complete 36 hours of Core Curriculum Foundational Component Area requirements, 6 hours of Component Area Option requirements and 18 hours of General electives.

Core Curriculum Foundational Component Area (36 hours)

Communications (6 hours)

- ENGL 1301 - Composition I **3 credit hours.** and

- ENGL 1302 - Composition II **3 credit hours.** or
- ENGL 2311 - Technical and Business Writing **3 credit hours.** or
- SPCH 1311 - Introduction to Speech Communication **3 credit hours.** or
- SPCH 1315 - Public Speaking **3 credit hours.** or
- SPCH 1318 - Interpersonal Communication **3 credit hours.** or
- SPCH 1321 - Business and Professional Communication **3 credit hours.**

Mathematics (3 hours)

- MATH 1314 - College Algebra **3 credit hours.** or
- MATH 1324 - Mathematics for Business and Social Science I **3 credit hours.** or
- MATH 1332 - Contemporary Mathematics I **3 credit hours.** or
- MATH 1442 - Elementary Statistical Methods **4 credit hours.** or
- MATH 2412 - Pre-Calculus Math **4 credit hours.** or
- MATH 2413 - Calculus I **4 credit hours.**

Life and Physical Sciences (6 hours)

- BIOL 1406 - Biology for Science Majors I **4 credit hours.** or
- BIOL 1407 - Biology for Science Majors II **4 credit hours.** or
- BIOL 1411 - General Botany **4 credit hours.** or
- BIOL 1413 - General Zoology **4 credit hours.** or
- BIOL 1424 - Systematic Botany **4 credit hours.** or
- BIOL 2316 - Genetics **3 credit hours.** or
- BIOL 2401 - Anatomy and Physiology I **4 credit hours.** or
- BIOL 2402 - Anatomy and Physiology II **4 credit hours.** or
- BIOL 2428 - Vertebrate Zoology **4 credit hours.** or
- CHEM 1405 - Introductory Chemistry I **4 credit hours.** or
- CHEM 1407 - Introductory Chemistry II **4 credit hours.** or
- CHEM 1411 - General Chemistry I **4 credit hours.** or
- CHEM 1412 - General Chemistry II **4 credit hours.** or
- ENVR 1301 - Environmental Science I **3 credit hours.** or
- GEOL 1303 - Physical Geology **3 credit hours.** or
- GEOL 1304 - Historical Geology **3 credit hours.** or
- PHYS 1303 - Stars and Galaxies **3 credit hours.** or
- PHYS 1304 - Solar System **3 credit hours.** or

- PHYS 1401 - College Physics I **4 credit hours.** or
- PHYS 1402 - College Physics II **4 credit hours.** or
- PHYS 1405 - Elementary Physics I **4 credit hours.** or
- PHYS 1407 - Elementary Physics II **4 credit hours.** or
- PHYS 2425 - University Physics I **4 credit hours.** or
- PHYS 2426 - University Physics II **4 credit hours.**

Language, Philosophy, and Culture (3 hours)

- ENGL 2322 - British Literature I **3 credit hours.** or
- ENGL 2323 - British Literature II **3 credit hours.** or
- ENGL 2327 - American Literature I **3 credit hours.** or
- ENGL 2328 - American Literature II **3 credit hours.** or
- HIST 2311 - Western Civilization I **3 credit hours.** or
- HIST 2312 - Western Civilization II **3 credit hours.** or
- HUMA 1301 - Introduction to the Humanities I **3 credit hours.** or
- SPAN 1411 - Beginning Spanish I **4 credit hours.** or
- SPAN 1412 - Beginning Spanish II **4 credit hours.**

Creative Arts (3 hours)

- ARTS 1301 - Art Appreciation **3 credit hours.** or
- ARTS 1303 - Art History Survey I **3 credit hours.** or
- DRAM 1310 - Introduction to Theater **3 credit hours.** or
- MUSI 1301 - Fundamentals of Music I **3 credit hours.** or
- MUSI 1306 - Music Appreciation **3 credit hours.** or
- MUSI 1308 - Music Literature I **3 credit hours.** or
- MUSI 1309 - Music Literature II **3 credit hours.** or
- MUSI 1310 - American Music **3 credit hours.**

American History (6 hours)

- HIST 1301 - United States History I **3 credit hours.** or
- HIST 1302 - United States History II **3 credit hours.** or
- HIST 2301 - Texas History **3 credit hours.**

Government/Political Science (6 hours)

- GOVT 2305 - Federal Government (Federal Constitution and Topics) **3 credit hours.** and
- GOVT 2306 - Texas Government (Texas Constitution and Topics) **3 credit hours.**

Social and Behavioral Science (3 hours)

- ECON 2301 - Principles of Macroeconomics **3 credit hours.** or
- ECON 2302 - Principles of Microeconomics **3 credit hours.** or
- PSYC 2301 - General Psychology **3 credit hours.** or
- SOCI 1301 - Introductory Sociology **3 credit hours.** or
- SOCI 2336 - Criminology **3 credit hours.**

Core Curriculum Component Area Option (6 hours)

Choose a minimum total of 6 hours from the following Core Curriculum:

- ARTS 1301 - Art Appreciation **3 credit hours.**
- ARTS 1303 - Art History Survey I **3 credit hours.**
- BCIS 1301 - Microcomputer Applications **3 credit hours.**
- BIOL 1406 - Biology for Science Majors I **4 credit hours.**
- BIOL 1407 - Biology for Science Majors II **4 credit hours.**
- BIOL 1411 - General Botany **4 credit hours.**
- BIOL 1413 - General Zoology **4 credit hours.**
- BIOL 1424 - Systematic Botany **4 credit hours.**
- BIOL 2316 - Genetics **3 credit hours.**
- BIOL 2401 - Anatomy and Physiology I **4 credit hours.**
- BIOL 2402 - Anatomy and Physiology II **4 credit hours.**
- BIOL 2428 - Vertebrate Zoology **4 credit hours.**
- CHEM 1405 - Introductory Chemistry I **4 credit hours.**
- CHEM 1407 - Introductory Chemistry II **4 credit hours.**
- CHEM 1411 - General Chemistry I **4 credit hours.**
- CHEM 1412 - General Chemistry II **4 credit hours.**
- COSC 1301 - Introduction to Computing **3 credit hours.**
- DRAM 1310 - Introduction to Theater **3 credit hours.**
- ECON 2301 - Principles of Macroeconomics **3 credit hours.**
- ECON 2302 - Principles of Microeconomics **3 credit hours.**
- EDUC 1300 - Learning Frameworks **3 credit hours.**
- ENGL 1302 - Composition II **3 credit hours.**
- ENGL 2311 - Technical and Business Writing **3 credit hours.**
- ENGL 2322 - British Literature I **3 credit hours.**
- ENGL 2323 - British Literature II **3 credit hours.**
- ENGL 2327 - American Literature I **3 credit hours.**
- ENGL 2328 - American Literature II **3 credit hours.**
- ENVR 1101 - Environmental Science Laboratory I **1 credit hours.**
- ENVR 1301 - Environmental Science I **3 credit hours.**
- GEOL 1103 - Physical Geology Laboratory **1 credit hours.**
- GEOL 1104 - Historical Geology Laboratory **1 credit hours.**
- GEOL 1303 - Physical Geology **3 credit hours.**
- GEOL 1304 - Historical Geology **3 credit hours.**
- HIST 1302 - United States History II **3 credit hours.**
- HIST 2301 - Texas History **3 credit hours.**
- HIST 2311 - Western Civilization I **3 credit hours.**
- HIST 2312 - Western Civilization II **3 credit hours.**

- HUMA 1301 - Introduction to the Humanities I **3 credit hours.**
- MATH 1314 - College Algebra **3 credit hours.**
- MATH 1324 - Mathematics for Business and Social Science I **3 credit hours.**
- MATH 1332 - Contemporary Mathematics I **3 credit hours.**
- MATH 1442 - Elementary Statistical Methods **4 credit hours.**
- MATH 2412 - Pre-Calculus Math **4 credit hours.**
- MATH 2413 - Calculus I **4 credit hours.**
- MUSI 1301 - Fundamentals of Music I **3 credit hours.**
- MUSI 1306 - Music Appreciation **3 credit hours.**
- MUSI 1308 - Music Literature I **3 credit hours.**
- MUSI 1309 - Music Literature II **3 credit hours.**
- MUSI 1310 - American Music **3 credit hours.**
- PHYS 1103 - Stars and Galaxies Laboratory **1 credit hours.**
- PHYS 1104 - Solar System Laboratory **1 credit hours.**
- PHYS 1303 - Stars and Galaxies **3 credit hours.**
- PHYS 1304 - Solar System **3 credit hours.**
- PHYS 1401 - College Physics I **4 credit hours.**
- PHYS 1402 - College Physics II **4 credit hours.**
- PHYS 1405 - Elementary Physics I **4 credit hours.**
- PHYS 1407 - Elementary Physics II **4 credit hours.**
- PHYS 2425 - University Physics I **4 credit hours.**
- PHYS 2426 - University Physics II **4 credit hours.**
- PSYC 2301 - General Psychology **3 credit hours.**
- SOCI 1301 - Introductory Sociology **3 credit hours.**
- SOCI 2336 - Criminology **3 credit hours.**
- SPAN 1411 - Beginning Spanish I **4 credit hours.**
- SPAN 1412 - Beginning Spanish II **4 credit hours.**
- SPCH 1311 - Introduction to Speech Communication **3 credit hours.**
- SPCH 1315 - Public Speaking **3 credit hours.**
- SPCH 1318 - Interpersonal Communication **3 credit hours.**
- SPCH 1321 - Business and Professional Communication **3 credit hours.**

General (18 hours)

(3 hours) Elective - Student Choice from student's intended major or other related courses.
(3 hours) Elective - Student Choice from student's intended major or other related courses.
(3 hours) Elective - Student Choice from student's intended major or other related courses.
(3 hours) Elective - Student Choice from student's intended major or other related courses.
(3 hours) Elective - Student Choice from student's intended major or other related courses.
(3 hours) Elective - Student Choice from student's intended major or other related courses.

Grand Total Hours: 60

For Field of Study requirements, see the appropriate department.

Associate of Arts in Teaching

Teaching: Education, AAT

GENERALIST: GRADES EC-6, (EXCEPT EARLY CHILDHOOD DEGREE SPECIALIZATION) 4-8, EC-12 CERTIFICATION
Students should check each college or university regarding the transferability of the course.
Student should consult with the Department Chair about courses need at various four year universities.

First Semester

- EDUC 1301 - Introduction to the Teaching Profession **3 credit hours.**
- ENGL 1301 - Composition I **3 credit hours.**
- MATH 1314 - College Algebra **3 credit hours.**
- TECA 1354 - Child Growth and Development **3 credit hours.**

- MUSI 1301 - Fundamentals of Music I **3 credit hours. or**
- DRAM 1310 - Introduction to Theater **3 credit hours.**

Total Hours: 15

Second Semester

- ENGL 1302 - Composition II **3 credit hours.**

- EDUC 2301 - Introduction to Special Populations **3 credit hours. ** or**
- TECA 1303 - Families, School, and Community **3 credit hours.**

- HIST 1301 - United States History I **3 credit hours.**
- PHYS 1405 - Elementary Physics I **4 credit hours.** ***
- Choose elective from the Core Curriculum **3 credit hours** (SPCH 1315 is recommended)

Total Hours: 16

Third Semester

- GOVT 2305 - Federal Government (Federal Constitution and Topics) **3 credit hours.**
- HIST 1302 - United States History II **3 credit hours.**

- PHYS 1407 - Elementary Physics II **4 credit hours. or**
- CHEM 1405 - Introductory Chemistry I **4 credit hours.**

- ENGL 2322 - British Literature I **3 credit hours. * or**
- ENGL 2327 - American Literature I **3 credit hours.**

Total Hours: 13

Fourth Semester

- GEOG 1303 - World Regional Geography **3 credit hours.**
- GOVT 2306 - Texas Government (Texas Constitution and Topics) **3 credit hours.**
- BIOL 1406 - Biology for Science Majors I **4 credit hours.** ***

- ECON 2301 - Principles of Macroeconomics **3 credit hours. or**
- ECON 2302 - Principles of Microeconomics **3 credit hours.**

- ENGL 2323 - British Literature II **3 credit hours. * or**
- ENGL 2328 - American Literature II **3 credit hours.**

Total Hours: 16

Total AAT Hours: 60

* British Literature is preferred, which ever is chosen must have a grade of C or better.
**Meets multicultural requirements.
***Required Science course.

Field of Study

Business Administration Field of Study

The following courses are transferable to all public 4-year colleges and universities in Texas for students seeking a Bachelor of Business Administration Degree.

Requirements

- ECON 2301 - Principles of Macroeconomics **3 credit hours.**
- ECON 2302 - Principles of Microeconomics **3 credit hours.**
- MATH 1325 - Mathematics for Business and Social Science II **3 credit hours.**
- BCIS 1305 - Business Computer Applications **3 credit hours.**
- SPCH 1321 - Business and Professional Communication **3 credit hours.**
- ACCT 2301 - Principles of Financial Accounting **3 credit hours.**
- ACCT 2302 - Principles of Managerial Accounting **3 credit hours.**

Total Transfer: 21

Students should check each college or university regarding the transferability of the core curriculum courses.
*For additional information on Field of Study, consult the Coordinating Board website at www.thecb.state.tx.us.

Computer Science Field of Study

Requirements

- COSC 1336 - Programming Fundamentals I **3 credit hours.**
- COSC 1437 - Programming Fundamentals II **4 credit hours.**
- COSC 2436 - Programming Fundamentals III **4 credit hours.**
- COSC 2325 or COSC 2425 Computer Organization and Machine Language **3-4 credit hours. ***
- MATH 2413 - Calculus I **4 credit hours.**
- MATH 2414 - Calculus II **4 credit hours.**
- PHYS 2425 - University Physics I **4 credit hours.**
- PHYS 2426 - University Physics II **4 credit hours.**

Total Transfer: 27-28

Students should check each college or university regarding the transferability of the core curriculum courses.

For additional information on Field of Study, consult the Coordinating Board website at www.thecb.state.tx.us

*Courses not currently offered at Temple College.

Criminal Justice Field of Study

The following courses are transferable to all public 4-year colleges and universities in Texas for students seeking a Bachelor of Arts or Bachelor of Science Degree with a major in Criminal Justice, including all Criminal Justice Specializations.

Requirements

- CRIJ 1301 - Introduction to Criminal Justice **3 credit hours.**
- CRIJ 1306 - Court Systems and Practices **3 credit hours.**
- CRIJ 1310 - Fundamentals of Criminal Law **3 credit hours.**
- CRIJ 2313 - Correctional Systems and Practices **3 credit hours.**
- CRIJ 2328 - Police Systems and Practices **3 credit hours.**

Total Transfer: 15

Note: Up to a total of 6 additional semester credit hours of criminal justice related lower-division course work may be transferred by local agreement OR required by the receiving institution, as long as the additional credit does not duplicate any other requirement within the field of study curriculum.

Students should check each college or university regarding the transferability of the core curriculum courses.

*For additional information on Field of Study, consult the Coordinating Board website at www.thecb.state.tx.us.

Music Field of Study

The Music Department of Temple College offers a wide selection of opportunities for students. Students who have majors and minors outside of music are encouraged to participate in music courses, ensembles, and applied instruction for a better perspective on the arts and improved self-expression.

A full two-year program is offered for both the music major and minor who will pursue a bachelor's degree. In addition to the traditional music curriculum, the Music Department offers selected courses in commercial music.

Music scholarships are available to deserving students, regardless of major. Interested students should contact the Division of Fine Arts, located in the Mary Alice Marshall Performing Arts Center for audition times and details.

Music Field of Study*

1st Semester, Freshman

- MUSI 1116 - Elementary Sight Singing and Ear Training I **1 credit hours.**
- MUSI 1311 - Music Theory I **3 credit hours.**
- MUSI 1308 - Music Literature I **3 credit hours.**
- MUSI 1114 - Piano Class I for Music Majors **1 credit hours.**
- Applied music: **2 credit hours.**
- Ensembles **1 credit hours.**

Total Hours: 11

2nd Semester, Freshman

- MUSI 1117 - Elementary Sight Singing and Ear Training II **1 credit hours.**
- MUSI 1312 - Music Theory II **3 credit hours.**
- MUSI 1115 - Piano Class II for Music Majors **1 credit hours.**
- Applied music: **2 credit hours.**
- Ensembles **1 credit hours.**

Total Hours: 8

1st Semester, Sophomore

- MUSI 2116 - Advanced Sight Singing and Ear Training I **1 credit hours.**
- MUSI 2311 - Music Theory III **3 credit hours.**
- MUSI 2114 - Piano Class III for Music Majors **1 credit hours.**
- Applied music: **2 credit hours.**
- Ensembles **1 credit hours.**

Total Hours: 8

2nd Semester, Sophomore

- MUSI 2117 - Advanced Sight Singing and Ear Training II **1 credit hours.**
- MUSI 2312 - Music Theory IV **3 credit hours.**
- MUSI 2115 - Piano Class IV for Music Majors **1 credit hours.**
- Applied music: **2 credit hours.**
- Ensembles **1 credit hours.**

Total Hours: 8

Grand Total Hours: 35

Core Curriculum for Music Majors

- ENGL 1301 - Composition I **3 credit hours.** and
- ENGL 1302 - Composition II **3 credit hours.** or
- ENGL 2311 - Technical and Business Writing **3 credit hours.**

- SPCH 1311 - Introduction to Speech Communication **3 credit hours.** or
- SPCH 1315 - Public Speaking **3 credit hours.** or
- SPCH 1318 - Interpersonal Communication **3 credit hours.** or
- SPCH 1321 - Business and Professional Communication **3 credit hours.**

- GOVT 2305 - Federal Government (Federal Constitution and Topics) **3 credit hours.**
- GOVT 2306 - Texas Government (Texas Constitution and Topics) **3 credit hours.**

- HIST 1301 - United States History I **3 credit hours.**
- HIST 1302 - United States History II **3 credit hours.**
- HIST 2301 - Texas History **3 credit hours.**

- Life and Physical Sciences **3 credit hours.**
- Mathematics **3 credit hours.**
- Creative Arts or Language, Philosophy & Culture (excluding MUSI 1306 - Music Appreciation) **3 credit hours.**
- Physical Education **1 credit hours.**

Total: 31

Note(s):

Exceptions: In the case of non-piano majors, individual instruction in piano can be substituted for Class Piano courses with the permission of the instructor. The student will be required to take 4 hours of individual instruction in lieu of class piano.
Class piano is not required of piano majors. Piano majors are required to have 4 hours of individual instruction on a different secondary instrument, jazz piano, or voice in lieu of class piano and keyboard skills.

Students should check each college or university regarding the transferability of the core curriculum courses.
*For additional information on Field of Study, consult the Coordinating Board website at www.thecb.state.tx.us

Associate of Applied Science

Biotechnology, AAS

Biotechnology is the use of living organisms and/or biological processes to discover new information, solve problems, or to make useful products such as vaccines and therapeutic drugs. The goal of the Biotechnology degree and certificate programs is to prepare students to work as Biotechnology Technicians in a variety of exciting fields, such as medical research, agriculture, bio manufacturing, the environmental sciences, and forensics. The curriculum provides a strong foundation in biology, chemistry, microbiology, math, and statistics. Specialized biotechnology courses emphasize theory and hands-on experience with cutting edge techniques, technologies, laboratory operations, and instrumentation. Students obtain a working knowledge of molecular biology, tissue cultures, protein separation and purification, DNA/RNA methodologies, proteomics, and genomics. In addition, students will learn about bioethics, laboratory safety procedures, verbal and scientific communication, professional conduct, laboratory operations, data interpretation, bioinformatics, quality control, and manufacturing practices. The degree program culminates with an Internship or Capstone experience in a local biotechnology/medical research laboratory.

In addition to the Associate in Applied Science (AAS) Degree in Biotechnology, an Advanced Technical Certificate (ATC) in Biotechnology is offered for those students who already have a degree in a related biological or chemistry area. An Enhanced Skills Certificate (ESC) in Genomics and Proteomics is offered as well to students who already possess at least an A.A.S. in Biotechnology or related biological science and who wish to advance their education in the areas of Genomics and Proteomics.

The Biotechnology curriculum is designed not only to prepare the graduate for an entry-level position in the rapidly expanding field of biotechnology, but also to provide a foundation for students who wish to continue on to a bachelor's degree and/or graduate degree in the sciences.

Requirements for the Associate of Applied Science Degree in Biotechnology

In order to graduate from Temple College and receive the Associate of Applied Science (AAS) in Biotechnology, the student must meet the following degree requirements:

1. Six semester hours of English: ENGL 1301 and ENGL 2311

2. Six semester hours in social/behavioral sciences and fine arts/humanities: PSYC 2301 or SOCI 1301 and Creative Arts/Language, Philosophy and Culture Elective

3. Eight semester hours in biology: BIOL 1406 and BIOL 2420

4. Six semester hours in math: MATH 1314 and MATH 1442

5. Eight semester hours in chemistry: CHEM 1411 and CHEM 1408

6. Seven to eight hours of biology or chemistry from stated prerequisites.

7. All required BITC program courses (total of 25 semester hours).

8. Successful completion of the full-time 12 week Internship/Capstone experience with all acceptable criteria met (i.e., attendance, objectives, skills, acceptable affective score, etc.)

9. The student must be enrolled at Temple College the semester immediately prior to the Internship Capstone experience.

10. At least 71 hours of course credit.

11. A grade of "C" (2.0) or better in all courses.

12. Completion of all course work for the degree or certificate within 5 years.

13. The student must be enrolled in Temple College during the semester of his/her graduation.

14 Also see "Graduation Requirements – Requirements for Associate Degrees and Certificates."

General Biotechnology Degree Requirements

Biotechnology major students (degree or certificate) must meet the following requirements:

1. Attend a Biotechnology Information Session (call the Biotechnology Department at 254-298-8638 for dates and times) prior to enrolling the biotechnology program courses, or;

2. Schedule an appointment with the Department Chair or designated biotechnology faculty member to discuss the degree plan, during, or immediately after taking BITC 1411/BIOL 1414, Introduction to Biotechnology.

3. Pick up a Biotechnology Program Information/Application Packet from the department office at the Texas Bioscience Institute (TBI) office and complete all required forms. The program application and all other signed forms are to be turned into the Department as soon as the student has declared Biotechnology as the degree or certificate program they wish to pursue.

4. Satisfactorily complete all biotechnology, BITC, courses and an approved Internship/Capstone experience.

5. Completion of Biotechnology courses and all other course work with a grade of "C" (2.0)

6. Submit an Application for Internship packet at least one semester before anticipated enrollment in the Internship course, BITC 2587 (see Internship Requirements).

Internship Requirements (BITC 2587)

Successful completion of the Internship is a requirement of the A.A.S. degree and Advanced Technical Certificate (ATC) in Biotechnology. Requirements for the Internship are as follows:

1. Students must make a grade of "C" or better in all biotechnology and prerequisite course work to enroll in the Internship.

2. A completed Biotechnology Program application form and all other signed forms on file in the Biotechnology Program office.

3. Students must complete all other degree/certificate requirements before enrolling in the Internship course.

4. Students must be enrolled at Temple College the semester before they begin their Internship.

5. A completed Application for Internship packet must be submitted at least one semester before enrolling in the Internship.

The packet is available from the Biotechnology Department office and includes:

a. Application for Internship form.

b. Proof of an acceptable criminal background check (contact the department for more information). An unacceptable criminal background check may prevent a student from completing the Internship and receiving the degree or certificate from Temple College.

c. Proof of Liability Insurance form (available through the college for a small fee).

d. A Health Form indicating up-to-date immunizations (i.e., tetanus, diphtheria, mumps, measles, rubella, and varicella), including a series of Hepatitis B vaccinations, and a current physical examination report (within the last 6 months) indicating medical clearance to participate in the Internship. Hepatitis B vaccinations should be started and preferably completed before beginning the Internship.

e. A drug screen must be completed within 60 days of beginning the Internship.

6. Attend a mandatory Biotechnology Department Internship Orientation immediately prior to starting the Internship. Contact the department for the scheduled date.

7. Attend/complete an internship site orientation session, if required.

The most up-to-date information regarding the Biotechnology degree and certificate programs may be viewed on the Temple College biotechnology web site at http://www.templejc.edu/dept/Biotech/Biotech.htm.

Essential Functions

To be successful in the biotechnology curriculum and a career in any biotechnology field, students should be able to perform the following Essential Functions of the profession:

- Participate sufficiently to perform work-related laboratory tasks in a timely manner;
- Communicate effectively and professionally with peers, staff, and faculty;
- Read and comprehend text, numbers and graphs displayed in print, on video and instrument displays and printouts;
- Demonstrate written and oral proficiency in the English language without assistance;
- Interpret reactions on slides, media plates and in test tubes, etc., by visual characteristics and/or odor;
- Exhibit the manual dexterity necessary to process specimens, operate and repair laboratory instruments, equipment and computers; perform delicate procedures and all other aspects of laboratory operations that require eye-hand coordination;
- Regularly meet the activity schedule of the didactic and internship instructors and supervisors to satisfy all performance requirements (objectives) of all internship sites and didactic instruction to include transportation to all internship sites;
- Carry or lift objects weighing up to 15 pounds;

- Work quickly and accurately under stress, possessing the emotional and mental health to make sound judgments and complete all responsibilities;

- Work in a thorough, safe, careful, efficient, responsible and organized manner, alone, or as a laboratory/work-group member;

- Logically correlate information/data in order to solve problems;

- Demonstrate ethical judgment, integrity, honesty, common sense and accountability in the internship work setting when dealing with peers, faculty, and staff;

- Use interpersonal skills such as cooperation, confidentiality and attentiveness in a positive and tactful manner;

- Measure, analyze, synthesize, integrate and apply information as it relates to a biotechnology laboratory;

- Successfully complete written, oral or computer-based exams and assignments independently;

- Follow verbal and written instructions in order to correctly and independently perform biotechnology laboratory procedures, and

- Pay close attention to details in the performance of all laboratory tasks.

Recommended Course Sequence

FIRST YEAR

Fall Semester

- BIOL 1406 - Biology for Science Majors I **4 credit hours.**
- CHEM 1411 - General Chemistry I **4 credit hours.**
- MATH 1314 - College Algebra **3 credit hours.** (or higher)
- ENGL 1301 - Composition I **3 credit hours.**
- Elective - Language, Philosophy & Culture/Creative Arts **3 credit hours.**

Total Hours: 17

Spring Semester

- BITC 1411 - Introduction to Biotechnology **4 credit hours.** or
- BIOL 1414 - Introduction to Biotechnology **4 credit hours.**

- CHEM 1408 - Introductory Chemistry II -- Introduction to Bio-Organic Chemistry **4 credit hours.**
- ENGL 2311 - Technical and Business Writing **3 credit hours.**
- BIOL 2420 - Microbiology for Non-Science Majors **4 credit hours.**

Total Hours: 15

Summer Semester (6 Weeks)

- MATH 1442 - Elementary Statistical Methods **4 credit hours.**

- Elective - Social/Behavioral Science **3 credit hours.**

- PSYC 2301 - General Psychology **3 credit hours.** or
- SOCI 1301 - Introductory Sociology **3 credit hours.** recommended

Total Hours: 10

SECOND YEAR

Fall Semester

- BITC 1302 - Biotechnology Laboratory Methods and Techniques **3 credit hours.**
- BITC 2431 - Cell Culture Techniques **4 credit hours.**
- BITC 2411 - Biotechnology Laboratory Instrumentation **4 credit hours.**

Elective - **3-4 credit hours.** from the following:

- BIOL 2316 - Genetics **3 credit hours.** or
- BIOL 2404 - Anatomy and Physiology **4 credit hours.** or
- BIOL 2401 - Anatomy and Physiology I **4 credit hours.** or
- BIOL 2402 - Anatomy and Physiology II **4 credit hours.** (must take this course next semester) or
- CHEM 1412 - General Chemistry II **4 credit hours.**

Total Hours: 14-15

Spring Semester

- BITC 1250 - Special Studies and Bioethical Issues of Biotechnology **2 credit hours.**
- BITC 2441 - Molecular Biology Techniques **4 credit hours.**
- BITC 2445 - Medical Biotechnology **4 credit hours.**

Elective - **3-4 credit hours.** from the following:

- BIOL 2316 - Genetics **3 credit hours.** or
- BIOL 2402 - Anatomy and Physiology II **4 credit hours.** or
- CHEM 1412 - General Chemistry II **4 credit hours.**

Total Hours: 13-14

Summer Semester (12 Weeks)

- BITC 2587 - Internship - Biotechnology Laboratory Technician **(5:0-0-30) credit hours.**

Total Hours: 5

TOTAL HOURS: 74-76

Bridging Program (LVN To ADN), AAS

Note: Curriculum changes are pending.

This program prepares the Licensed Vocational Nurse to make the transition into the professional nursing role. Upon completion of this program, graduates receive an Associate of Applied Science degree which qualifies them to apply for the state licensing examinations for registered nursing. Graduates will be required to answer questions about their drug, alcohol, psychiatric, and/or conviction history for determination of eligibility to take the licensing exam for registered nursing. Criminal background checks are now required on all students and graduates. Further information is available in the office of the ADN department. Accreditation Commission for Education in Nursing ACEN is the national accrediting organization, (404) 975-5000, Peachtree Road, NE, Suite 500, Atlanta, GA 30326.

Admission to the LVN Bridging Program

Students desiring admission to the LVN Bridging program must:

1. Complete the Temple College admission process. All college requirements must be met. Must be TSI complete.
2. Complete the following prerequisite courses: BIOL 2401, BIOL 2402, BIOL 2420, ENGL 1301, PSYC 2301, and VNSG 1423. And two credits of a VN clinical course. These courses must be completed by the end of the Fall semester before you apply. The VNSG courses will be equated to courses that the applicant completed in their Vocational Nursing program.
3. Complete the ADN application process (see the TC Website for specific dates and instructions). This process requires proof of: • Graduation from a Texas VN program or out-of-state ACEN/NLNAC accredited program; A valid Texas VN license in good standing (no stipulations). • A grade of "C" or better in all VN courses and any course that applies toward the ADN curriculum/degree;. • Nursing practice experience of six months full time or one year part time within the last two years, if the applicant graduated more than two years before admission (part time is defined as a minimum of 800 hours per year; a letter from the employer(s) will be required to verify work experience). • Complete an application from the Dell Martin Nursing Education Center. • Furnish official transcripts of prerequisite course grades and any college courses. You must have a minimum of a "C" in every course that applies to this degree. Proof of VN graduation with a minimum average of "C" must show on the transcripts. A minimum overall grade point average (GPA) of 2.8 (in all courses that apply toward the nursing curriculum) is required for admission to the Bridging program. Biology courses must have been taken within the past ten years. Applications will not be processed if any of the stated admission requirements are missing or incomplete. See the TC Website for specific dates and instructions.
4. Applicants will be notified by letter if they were conditionally accepted into the program. If conditionally accepted into the program, the following must be completed:

   A current physical examination (within six months prior to beginning the nursing program) verifying good physical and mental health with required immunizations. Note: Students must receive the complete series of three (3) Hepatitis B immunizations prior to the start of direct patient care. Effective Spring, 2012, Admissions and Records policy: All first time or transfer students that did not attend the long semester immediately preceding their first semester at TC and are under 30 years of age must have a bacterial meningitis shot within the last 5 years prior to 10 days before the first day of the semester. Flu vaccination is required annually. A drug screen also will be required.

   A satisfactory criminal background check (specific instructions will be given). Any healthcare facility associated with Temple College may also require criminal background checks. Permission to perform the criminal background check must be given by the student. It may be necessary to dismiss students from a program if they are barred from practicing at any healthcare facility. Future employment and licensing may be affected by the results of a criminal background check. The Texas Board of Nursing will conduct the criminal background check. Written documentation of successful

completion of a CPR course designed for health care providers (e.g., Basic Cardiac Life Support for Health Care Providers from the American Heart Association). No student will be permitted in the clinical setting without current documentation on file (must remain current throughout the ADN program).

Students seeking admission to the LVN Bridging program are admitted to the program on the basis of the following criteria, with maximum point totals awarded as indicated:

- GPA, only general education courses that apply to the ADN curriculum (approximately 5% of points)
- Number of general education credits that apply to the ADN curriculum (approximately 33% of points)
- Graduate of Temple College Vocational Nursing Program or
- Temple College service area residency status (applicants may receive only one point from the TC graduate or service area resident categories, if applicable)
- One point will be deducted from an applicant's point total if the applicant has failed any nursing course in another nursing program.

*Admission to the Bridging Nursing Program is determined during the mid spring for the summer semester. In case of competitive admissions, requirements above the minimum will be necessary. Admission to Temple College does not constitute automatic acceptance into the nursing program. In the event the applicant is not accepted for admission to the nursing program, the applicant may request a review by the ADN Department Chairman.

Policies on promotion, readmission, and transfer apply to both Bridging and ADN students.

(Must be a Licensed Vocational Nurse)

Prerequisites:

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

- BIOL 2401 - Anatomy and Physiology I **4 credit hours.**
- BIOL 2402 - Anatomy and Physiology II **4 credit hours.**
- BIOL 2420 - Microbiology for Non-Science Majors **4 credit hours.**
- ENGL 1301 - Composition I **3 credit hours.**
- PSYC 2301 - General Psychology **3 credit hours.**
- VNSG 1160 - Clinical-LVN Training I **1 credit hours.**
- VNSG 1423 - Basic Nursing Skills **4 credit hours.**

Total Hours: 23

Summer Semester I

- RNSG 1517 - Concepts of Professional Nursing Practice I for Articulating Students **5 credit hours.**
- RNSG 1146 - Legal and Ethical Issues for Nurses **1 credit hours.**

Total Hours: 6

Summer Semester II

- RNSG 2213 - Mental Health Nursing **2 credit hours.**

- RNSG 1163 - Clinical-Nursing III-Registered Nurse Training **1 credit hours.**

Total Hours: 3

Fall Semester

- PSYC 2314 - Lifespan Growth and Development **3 credit hours.**
- RNSG 1347 - Concepts of Clinical Decision-Making **3 credit hours.**
- RNSG 2201 - Care of Children and Families **2 credit hours.**
- RNSG 2221 - Professional Nursing: Leadership and Management **2 credit hours.**
- RNSG 2460 - Clinical-Nursing IV-Registered Nurse Training **4 credit hours.**

Total Hours: 14

Spring Semester

Elective - Language, Philosophy & Culture/Creative Arts 3 credit hours

- RNSG 2331 - Advanced Concepts of Adult Health **3 credit hours.**
- RNSG 1251 - Care of the Childbearing Family **2 credit hours.**
- RNSG 2230 - Professional Nursing Review and Licensure Preparation **2 credit hours.**
- RNSG 2461 - Clinical-Nursing V-Registered Nurse Training **4 credit hours.**

Total Hours: 14

Grand Total Hours: 60

+Comprehensive, end of program Exam – All candidates for graduation will be required to complete the comprehensive, end of program examination requirements prior to graduation from the Associate Degree Nursing Program

Business/Management, AAS

The curriculum in management is designed to develop the fundamental skills, knowledge, attitude, and experience which combine academic training with practical on-the-job training compatible with the student's career objective. Students will be allowed to take only one Cooperative Education Course each semester.

FIRST YEAR

First Semester

- BMGT 1341 - Business Ethics **3 credit hours.**

- BUSG 1301 - Introduction to Business **3 credit hours.** * or
- BUSI 1301 - Business Principles **3 credit hours.**

- ENGL 1301 - Composition I **3 credit hours.**
- POFT 1329 - Beginning Keyboarding **3 credit hours.**
- Choose from Business Electives **3 credit hours.**

Total Hours: 15

Second Semester

- BMGT 1301 - Supervision **3 credit hours.**
- BMGT 1327 - Principles of Management **3 credit hours.**
- SPCH 1315 - Public Speaking **3 credit hours.**
- Choose from Marketing Electives **3 credit hours.**
- Choose from Business Electives **3 credit hours.**

Total Hours: 15

SECOND YEAR

Third Semester

- BCIS 1305 - Business Computer Applications **3 credit hours.**
- ENGL 2311 - Technical and Business Writing **3 credit hours.**
- Choose from Human Resource Electives **3 credit hours.**
- Choose from Human Resource Electives **3 credit hours.**
- Choose from Finance Electives **3 credit hours.**

Total Hours: 15

Fourth Semester

- BMGT 2309 - Leadership **3 credit hours.**
- Choose from Mathematics Core **3 credit hours.****
- Choose from Business Electives **3 credit hours.**
- Choose from Language, Phil. & Culture/Creative Arts Core **3 credit hours.****
- Choose from Social/Behavioral Sciences **3 credit hours.****

Total Hours: 15

Grand Total Hours: 60

* Choose from Core Curriculum Courses
** BUSI is the preference over BUSG because it transfers more readily to four-year institutions.

Suggested Business Electives

- ACNT 1303 - Introduction to Accounting I **3 credit hours.**
- ACNT 1311 - Introduction to Computerized Accounting **3 credit hours.**
- BMGT 1325 - Office Management **3 credit hours.**
- BMGT 2303 - Problem Solving and Decision Making **3 credit hours.**
- BUSG 1303 - Principles of Finance **3 credit hours.**
- BUSG 1341 - Small Business Financing **3 credit hours.**
- BUSG 2309 - Small Business Management/Entrepreneurship **3 credit hours.**
- BUSG 2317 - Business Law/Commercial **3 credit hours.**
- BMGT 1382 - Cooperative Education I-Business Administration and Management, General **3 credit hours.**
- BMGT 1383 - Cooperative Education II-Business Administration and Management, General **3 credit hours.**
- BMGT 2382 - Cooperative Education III-Business Administration and Management, General **3 credit hours.**
- BUSI 1307 - Personal Finance **3 credit hours.**
-
- BCIS 1301 - Microcomputer Applications **3 credit hours. or**
- ITSC 1309 - Integrated Software Applications I **3 credit hours.**

- HRPO 1311 - Human Relations **3 credit hours.**
- HRPO 2301 - Human Resources Management **3 credit hours.**
- HRPO 2307 - Organizational Behavior **3 credit hours.**
- MRKG 1301 - Customer Relationship Management **3 credit hours.**
- MRKG 1302 - Principles of Retailing **3 credit hours.**
- MRKG 1311 - Principles of Marketing **3 credit hours.**
- MRKG 1313 - Public Relations **3 credit hours.**
- MRKG 2349 - Advertising and Sales Promotion **3 credit hours.**
- POFT 1301 - Business English **3 credit hours.**
- POFT 1309 - Administrative Office Procedures I **3 credit hours.**
- POFT 1313 - Professional Workforce Preparation **3 credit hours.**
- POFT 2301 - Intermediate Keyboarding **3 credit hours.**
- POFT 2312 - Business Correspondence and Communication **3 credit hours.**

Suggested Finance Electives

- ACNT 1303 - Introduction to Accounting I **3 credit hours.**
- ACNT 1311 - Introduction to Computerized Accounting **3 credit hours.**
- BUSG 1303 - Principles of Finance **3 credit hours.**
- BUSG 1341 - Small Business Financing **3 credit hours.**
- BUSI 1307 - Personal Finance **3 credit hours.**

Suggested Human Resources Electives

- HRPO 1311 - Human Relations **3 credit hours.**
- HRPO 2301 - Human Resources Management **3 credit hours.**
- HRPO 2307 - Organizational Behavior **3 credit hours.**
- BMGT 1325 - Office Management **3 credit hours.**

Suggested Marketing Electives

- MRKG 1301 - Customer Relationship Management **3 credit hours.**
- MRKG 1302 - Principles of Retailing **3 credit hours.**
- MRKG 1311 - Principles of Marketing **3 credit hours.**
- MRKG 1313 - Public Relations **3 credit hours.**
- MRKG 2349 - Advertising and Sales Promotion **3 credit hours.**

Child Development, AAS

FIRST YEAR

First Semester

- ENGL 1301 - Composition I **3 credit hours.**
- TECA 1311 - Educating Young Children **3 credit hours.** *
- TECA 1354 - Child Growth and Development **3 credit hours.** *
- CDEC 1358 - Creative Arts for Early Childhood **3 credit hours.**
- CDEC 1321 - The Infant and Toddler **3 credit hours.**

Total Hours: 15

Second Semester

- ENGL 2311 - Technical and Business Writing **3 credit hours.**
- CDEC 1413 - Curriculum Resources for Early Childhood Programs **4 credit hours.**
- CDEC 1419 - Child Guidance **4 credit hours.**
- CDEC 2307 - Math and Science for Early Childhood **3 credit hours.**
- Elective - Social/Behavioral Science **3 credit hours.****
- Elective - Student's Choice **3 credit hours**

Total Hours: 20

SECOND YEAR

First Semester

- TECA 1303 - Families, School, and Community **3 credit hours.** *
- CDEC 1356 - Emergent Literacy for Early Childhood **3 credit hours.**
- CDEC 1359 - Children with Special Needs **3 credit hours.**
- CDEC 2326 - Administration of Programs for Children I **3 credit hours.**

- Elective - Language, Philosophy & Culture/Creative Arts **3 credit hours.****

Total Hours: 15

Second Semester

- MATH 1332 - Contemporary Mathematics I **3 credit hours.**
- TECA 1318 - Wellness of the Young Child **3 credit hours.** *
- CDEC 2384 - Cooperative Education-Child Development **3 credit hours.**
- CDEC 2441 - The School Age Child **4 credit hours.**
- CDEC 2315 - Diverse Cultural/Multilingual Education **3 credit hours.**

Total Hours: 16

Grand Total Hours: 66

Suggested Child Development Electives

- CDEC 2328 - Administration of Programs for Children II **3 credit hours.**
- BCIS 1301 - Microcomputer Applications **3 credit hours.**

Note(s):

*Equivalent CDEC course may be substituted.
** Choose from Core Curriculum after checking with the Department Chair

Computer Technology Computer Applications Technology, AAS

This curriculum in Computer Information Systems is designed to develop the fundamental skills, knowledge, and experience which prepares the student for positions in the field of computer information systems and their use on the job. The program combines classroom lecture along with the hands-on experience to give the students practical knowledge of computer systems. Students may pursue a Certificate of Completion or the Associate Degree in several areas.

Note: For all degrees and certificates, students who lack keyboarding skills and/or did not pass the reading portion of the Texas Success Initiative should take POFT 1329 - Beginning Keyboarding, prior to enrolling in the program.

FIRST YEAR

First Semester

- ITSC 1301 - Introduction to Computers **3 credit hours.** * or
- COSC 1301 - Introduction to Computing **3 credit hours.** or
- BCIS 1305 - Business Computer Applications **3 credit hours.**

- ITSE 1329 - Programming Logic and Design **3 credit hours.** * or

- COSC 1309 - Logic Design **3 credit hours.**

- ENGL 1301 - Composition I **3 credit hours.**

- ITSC 1309 - Integrated Software Applications I **3 credit hours.** * or
- BCIS 1301 - Microcomputer Applications **3 credit hours.**

- ITSC 1305 - Introduction to PC Operating Systems **3 credit hours.**

Total Hours: 15

Second Semester

- ITSE 1307 - Introduction to C++ Programming **3 credit hours.** * or
- COSC 1336 - Programming Fundamentals I **3 credit hours.**

- ITSW 1301 - Introduction to Word Processing **3 credit hours.**
- IMED 1316 - Web Design I **3 credit hours.**
- ITSC 1315 - Project Management Software **3 credit hours.**

- ENGL 2311 - Technical and Business Writing **3 credit hours.** or
- ENGL 1302 - Composition II **3 credit hours.**

- BMGT 1327 - Principles of Management **3 credit hours.**

Total Hours: 18

SECOND YEAR

Third Semester

- ITSE 1350 - System Analysis and Design **3 credit hours.** * or
- BCIS 2390 - System Analysis & Design **3 credit hours.**

- ITSW 1307 - Introduction to Database **3 credit hours.**

- ITSW 1310 - Introduction to Presentation Graphics Software **3 credit hours.** or
- ARTC 1313 - Digital Publishing I **3 credit hours.**

- Choose from Social/Behavioral Science Core **3 credit hours.****
- Choose from Information Technology Electives **3 credit hours.**

Total Hours: 15

Fourth Semester

- ITSW 1304 - Introduction to Spreadsheets **3 credit hours.**
- ITSC 2386 - Internship - Computer and Information Sciences, General **3 credit hours.**
- Choose from Language, Phil. & Culture/Creative Arts Core **3 credit hours.****
- Choose from Mathematics Core **3 credit hours.****
- Choose from Information Technology Electives **3 credit hours.**
- Choose from Information Technology Electives **3 credit hours.**

Total Hours: 18

GRAND TOTAL HOURS: 66

* BCIS or COSC is the preference over the ITSC/ITSE because it transfers more readily to four-year institutions.

**Choose from Core Curriculum.

Suggested Information Technology Electives

- ARTC 1313 - Digital Publishing I **3 credit hours.**
- ARTC 1325 - Introduction to Computer Graphics **3 credit hours.**
- ARTC 1394 - Special Topics in Animation, Interactive Technology, Video Graphics & Special Effects-Computer Graphics & Delivery **3 credit hours.**
- ARTV 1351 - Digital Video **3 credit hours.**
- CPMT 1304 - Microcomputer System Software **3 credit hours.**
- CPMT 1311 - Introduction to Computer Maintenance **3 credit hours.**
- CPMT 1345 - Computer Systems Maintenance **3 credit hours.**
- IMED 2309 - Internet Commerce **3 credit hours.**
- IMED 2311 - Portfolio Development **3 credit hours.**
- IMED 2315 - Web Design II **3 credit hours.**
- ITNW 1325 - Fundamentals of Networking Technologies **3 credit hours.**
- ITNW 1454 - Implementing and Supporting Servers **4 credit hours.**
- ITNW 1358 - Network+ **3 credit hours.**
- ITNW 2312 - Routers **3 credit hours.**
- ITNW 2321 - Networking with TCP/IP **3 credit hours.**
- ITNW 2405 - Network Administration **4 credit hours.**

- ITSE 1331 - Introduction to Visual Basic Programming **3 credit hours.** * or
- BCIS 1331 - Programming in BASIC I **3 credit hours.**

- ITSE 1402 - Computer Programming **4 credit hours.**

- ITSE 2417 - Java Programming **4 credit hours.** * or
- COSC 2430 - Advanced Structured Languages **4 credit hours.**

- ITSE 2421 - Object-Oriented Programming **4 credit hours.** * or
- COSC 1437 - Programming Fundamentals II **4 credit hours.**

- ITSE 2445 - Data Structures **4 credit hours.** * or
- COSC 2436 - Programming Fundamentals III **4 credit hours.**

- ITSW 2337 - Advanced Database **3 credit hours.**

Computer Technology Computer Software Development, AAS

FIRST YEAR

First Semester

- ITSC 1301 - Introduction to Computers **3 credit hours.** * or
- COSC 1301 - Introduction to Computing **3 credit hours.** or
- BCIS 1305 - Business Computer Applications **3 credit hours.**

- ITSE 1329 - Programming Logic and Design **3 credit hours.** *or
- COSC 1309 - Logic Design **3 credit hours.**

- ITSE 1307 - Introduction to C++ Programming **3 credit hours.** * or
- COSC 1336 - Programming Fundamentals I **3 credit hours.**

- ITSC 1315 - Project Management Software **3 credit hours.**
- ENGL 1301 - Composition I **3 credit hours.**

Total Hours: 15

Second Semester

- ITSE 1331 - Introduction to Visual Basic Programming **3 credit hours.** * or
- BCIS 1331 - Programming in BASIC I **3 credit hours.**

- ITSC 1305 - Introduction to PC Operating Systems **3 credit hours.**
- ITSE 1402 - Computer Programming **4 credit hours.**
- Choose from Social/Behavioral Science Core **3 credit hours.****

- ENGL 2311 - Technical and Business Writing **3 credit hours.** or
- ENGL 1302 - Composition II **3 credit hours.**

Total Hours: 16

Third Semester

- ITSE 2417 - Java Programming **4 credit hours.** *or
- COSC 2430 - Advanced Structured Languages **4 credit hours.**

Total Hours: 4

SECOND YEAR

Fourth Semester

- ITSE 1350 - System Analysis and Design **3 credit hours.** * or
- BCIS 2390 - System Analysis & Design **3 credit hours.**

- ITSE 2421 - Object-Oriented Programming **4 credit hours.** * or
- COSC 1437 - Programming Fundamentals II **4 credit hours.**

- ITSW 1307 - Introduction to Database **3 credit hours.**
- INEW 2338 - Advanced Java Programming **3 credit hours.**
- Elective - Language, Philosophy & Culture/Creative Arts **3 credit hours.*****

Total Hours: 16

Fifth Semester

- ITSE 2445 - Data Structures **4 credit hours.** * or
- COSC 2436 - Programming Fundamentals III **4 credit hours.**

- ITSC 2386 - Internship - Computer and Information Sciences, General **3 credit hours.**
- Choose from Mathematics Core **3 credit hours.****
- Choose from Information Technology Electives **3 credit hours.**

Total Hours: 13

GRAND TOTAL HOURS: 64

*BCIS or COSC is the preference over the ITSC/ITSE because it transfers more readily to four-year institutions.

**Choose from Core Curriculum

Suggested Information Technology Electives

- ARTC 1313 - Digital Publishing I **3 credit hours.**
- ARTC 1325 - Introduction to Computer Graphics **3 credit hours.**
- ARTC 1394 - Special Topics in Animation, Interactive Technology, Video Graphics & Special Effects-Computer Graphics & Delivery **3 credit hours.**

- ARTS 2348 - Digital Art I **3 credit hours.** or
- ARTS 2313 - Design Communications I-Illustrator **3 credit hours.** or
- ARTS 2314 - Design Communications II-Photoshop **3 credit hours.**

- ARTV 1351 - Digital Video **3 credit hours.**
- CPMT 1304 - Microcomputer System Software **3 credit hours.**
- IMED 1316 - Web Design I **3 credit hours.**
- IMED 2311 - Portfolio Development **3 credit hours.**
- ITNW 1325 - Fundamentals of Networking Technologies **3 credit hours.**
- MUSC 1327 - Audio Engineering I **3 credit hours.**

Computer Technology Network Administration, AAS

FIRST YEAR

First Semester

- ITSC 1301 - Introduction to Computers **3 credit hours.** * or
- COSC 1301 - Introduction to Computing **3 credit hours.** or
- BCIS 1305 - Business Computer Applications **3 credit hours.**

- CPMT 1311 - Introduction to Computer Maintenance **3 credit hours.**
- ITSC 1305 - Introduction to PC Operating Systems **3 credit hours.**

- ITSE 1329 - Programming Logic and Design **3 credit hours.** * or
- COSC 1309 - Logic Design **3 credit hours.**

- ENGL 1301 - Composition I **3 credit hours.**

Total Hours: 15

Second Semester

- ITSE 1307 - Introduction to C++ Programming **3 credit hours.** * or
- COSC 1336 - Programming Fundamentals I **3 credit hours.**

- ITSC 1315 - Project Management Software **3 credit hours.**
- ITNW 1358 - Network+ **3 credit hours.**

- ENGL 2311 - Technical and Business Writing **3 credit hours.** or
- ENGL 1302 - Composition II **3 credit hours.**

- Choose from Language, Philosophy & Culture/Creative Arts Core **3 credit hours.****

Total Hours: 15

SECOND YEAR

Third Semester

- CPMT 2349 - Advanced Computer Networking Technology **3 credit hours.**
- ITNW 2321 - Networking with TCP/IP **3 credit hours.**

- ITSE 1350 - System Analysis and Design **3 credit hours.** * or
- BCIS 2390 - System Analysis & Design **3 credit hours.**

- ITSY 1342 - Information Technology Security **3 credit hours.**
- Choose from Mathematics Core **3 credit hours** **

Total Hours: 15

Fourth Semester

- BMGT 1327 - Principles of Management **3 credit hours.**
- ITNW 2312 - Routers **3 credit hours.**
- ITSY 2301 - Firewalls and Network Security **3 credit hours.**
- ITSC 2386 - Internship - Computer and Information Sciences, General **3 credit hours.**
- Choose from Social/Behavioral Sciences Core **3 credit hours****

Total Hours: 15

Grand Total Hours: 60

* BCIS or COSC is the preference over the ITSC/ITSE because it transfers more readily to four-year institutions.
** Choose fron Core Curriculum.

Computer Technology Repair Technician, AAS

FIRST YEAR

First Semester

- ITSC 1301 - Introduction to Computers **3 credit hours.** * or

- COSC 1301 - Introduction to Computing **3 credit hours.** or
- BCIS 1305 - Business Computer Applications **3 credit hours.**

- ITSE 1329 - Programming Logic and Design **3 credit hours.** * or
- COSC 1309 - Logic Design **3 credit hours.**

- CPMT 1311 - Introduction to Computer Maintenance **3 credit hours.**
- ITSC 1305 - Introduction to PC Operating Systems **3 credit hours.**
- ENGL 1301 - Composition I **3 credit hours.**

Total Hours: 15

Second Semester

- ITSE 1307 - Introduction to C++ Programming **3 credit hours.** * or
- COSC 1336 - Programming Fundamentals I **3 credit hours.**

- ITSC 1315 - Project Management Software **3 credit hours.**
- CPMT 1345 - Computer Systems Maintenance **3 credit hours.** ***
- ITNW 1358 - Network+ **3 credit hours.**

- ENGL 2311 - Technical and Business Writing **3 credit hours.** or
- ENGL 1302 - Composition II **3 credit hours.**

Total Hours: 18

SECOND YEAR

Third Semester

- ITSE 1350 - System Analysis and Design **3 credit hours.** * or
- BCIS 2390 - System Analysis & Design **3 credit hours.**

- BMGT 1327 - Principles of Management **3 credit hours.**
- CPMT 2349 - Advanced Computer Networking Technology **3 credit hours.**
- Choose from Social/Behavioral Sciences **3 credit hours****
- Choose from Mathematics Core **3 credit hours****

Total Hours: 15

Fourth Semester

- ITSC 2386 - Internship - Computer and Information Sciences, General **3 credit hours.**
- Choose from Language, Philosophy & Culture/Creative Arts Core **3 credit hours****

- Choose from Information Technology Electives **3 credit hours**
- Choose from Information Technology Electives **3 credit hours**
- Choose from Information Technology Electives **3 credit hours**

Total Hours: 15

Grand Total Hours: 63

*BCIS or COSC is the preference over the ITSC/ITSE because it transfers more readily to four-year institutions.
**Choose from Core Curriculum.
***Class must be taken in semester/order indicated.

Suggested Information Technology Electives

- ARTC 1313 - Digital Publishing I **3 credit hours.**
- ARTC 1325 - Introduction to Computer Graphics **3 credit hours.**
- ARTC 1394 - Special Topics in Animation, Interactive Technology, Video Graphics & Special Effects-Computer Graphics & Delivery **3 credit hours.**
- ARTV 1351 - Digital Video **3 credit hours.**
- CPMT 1303 - Introduction to Computer Technology **3 credit hours.**
- CPMT 1304 - Microcomputer System Software **3 credit hours.**
- CPMT 2402 - Home Technology Integration **4 credit hours.**
- CPMT 2445 - Computer System Troubleshooting **4 credit hours.**
- IMED 1316 - Web Design I **3 credit hours.**
- IMED 2311 - Portfolio Development **3 credit hours.**
- ITNW 1325 - Fundamentals of Networking Technologies **3 credit hours.**
- ITNW 1454 - Implementing and Supporting Servers **4 credit hours.**
- ITNW 2312 - Routers **3 credit hours.**
- ITNW 2321 - Networking with TCP/IP **3 credit hours.**
- ITNW 2405 - Network Administration **4 credit hours.**

- ITSC 1309 - Integrated Software Applications I **3 credit hours. *or**
- BCIS 1301 - Microcomputer Applications **3 credit hours.**

- ITSE 1311 - Beginning Web Programming **3 credit hours.**

- ITSE 1331 - Introduction to Visual Basic Programming **3 credit hours. * or**
- BCIS 1331 - Programming in BASIC I **3 credit hours.**

- ITSE 1402 - Computer Programming **4 credit hours.**
- ITSE 2417 - Java Programming **4 credit hours. or***
- COSC 2430 - Advanced Structured Languages **4 credit hours.**

- ITSW 1301 - Introduction to Word Processing **3 credit hours.**
- ITSW 1304 - Introduction to Spreadsheets **3 credit hours.**
- ITSW 1307 - Introduction to Database **3 credit hours.**

- ITSW 1310 - Introduction to Presentation Graphics Software **3 credit hours.**
- ITSY 1300 - Fundamentals of Information Security **3 credit hours.**
- ITSY 1342 - Information Technology Security **3 credit hours.**
- ITSY 2301 - Firewalls and Network Security **3 credit hours.**
- ITSY 2400 - Operating System Security **4 credit hours.**

- ITSY 2441 - Security Management Practices **4 credit hours.**

Computer Technology Web Technology, AAS

FIRST YEAR

First Semester

- BCIS 1305 - Business Computer Applications **3 credit hours. * or**
- COSC 1301 - Introduction to Computing **3 credit hours. or**
- ITSC 1301 - Introduction to Computers **3 credit hours.**

- ITSE 1329 - Programming Logic and Design **3 credit hours. * or**
- COSC 1309 - Logic Design **3 credit hours.**

- ENGL 1301 - Composition I **3 credit hours.**
- ITSC 1305 - Introduction to PC Operating Systems **3 credit hours.**
- IMED 1316 - Web Design I **3 credit hours.**

Total Hours: 15

Second Semester

- ITSC 1315 - Project Management Software **3 credit hours.**

- ITSE 1307 - Introduction to C++ Programming **3 credit hours.** * or
- COSC 1336 - Programming Fundamentals I **3 credit hours.**

- ITSW 1310 - Introduction to Presentation Graphics Software **3 credit hours.**
- ITSW 1307 - Introduction to Database **3 credit hours.**

- ENGL 2311 - Technical and Business Writing **3 credit hours.** or
- ENGL 1302 - Composition II **3 credit hours.**

- Choose from Information Technology Electives **3 credit hours.**

Total Hours: 18

Third Semester

- ITSE 2417 - Java Programming **4 credit hours.** * or
- COSC 2430 - Advanced Structured Languages **4 credit hours.**

Total Hours: 4

SECOND YEAR

Fourth Semester

- ITSE 1350 - System Analysis and Design **3 credit hours.** * or
- BCIS 2390 - System Analysis & Design **3 credit hours.**

- IMED 2315 - Web Design II **3 credit hours.**

- ARTS 2348 - Digital Art I **3 credit hours.** or
- ARTS 2313 - Design Communications I-Illustrator **3 credit hours.** or
- ARTS 2314 - Design Communications II-Photoshop **3 credit hours.**

- CPMT 2349 - Advanced Computer Networking Technology **3 credit hours.**
- Choose from Social/Behavioral Science Core **3 credit hours. ****

Total Hours: 15

Fifth Semester

- IMED 2309 - Internet Commerce **3 credit hours.**
- ARTC 1313 - Digital Publishing I **3 credit hours.**
- Choose from Mathematics Core **3 credit hours.****
- Elective - Language, Philosophy & Culture/Creative Arts **3 credit hours.****

Total Hours: 12

GRAND TOTAL HOURS: 64

*BCIS or COSC is the preference over the ITSC/ITSE because it transfers more readily to four-year institutions.
**Choose from Core Curriculum

Suggested Information Technology Electives

- ARTC 1325 - Introduction to Computer Graphics **3 credit hours.**
- ARTS 2356 - Photography I **3 credit hours.**
- ARTV 1351 - Digital Video **3 credit hours.**
- CPMT 1303 - Introduction to Computer Technology **3 credit hours.**

- CPMT 1304 - Microcomputer System Software **3 credit hours.**
- GISC 1311 - Introduction to Geographic Information Systems (GIS) **3 credit hours.**
- IMED 2311 - Portfolio Development **3 credit hours.**
- IMED 2359 - Interactive Web Elements **3 credit hours.**
- ITNW 1325 - Fundamentals of Networking Technologies **3 credit hours.**
- ITSE 1311 - Beginning Web Programming **3 credit hours.**
- MUSC 1327 - Audio Engineering I **3 credit hours.**

Computer-Aided Design, AAS

The Computer-Aided Design (CAD) program is designed to give students entry-level design skills in five areas. These are manufacturing, electronics, architecture, civil engineering, and geographic information systems.

Drawings are produced using sketching techniques and/or CAD software. Applications software used in this program includes ArcView GIS®, AutoDesk® and Microsoft Office.

FIRST YEAR

First Semester

- DFTG 1305 - Technical Drafting **3 credit hours.**
- DFTG 1309 - Basic Computer-Aided Drafting **3 credit hours.**
- ENGL 1301 - Composition I **3 credit hours.**
- GISC 1311 - Introduction to Geographic Information Systems (GIS) **3 credit hours.**
- SRVY 1315 - Surveying Calculations **3 credit hours.**
- Elective - Program Related **3 credit hours.**

Total Hours: 18

Second Semester

- DFTG 1358 - Electrical/Electronics Drafting **3 credit hours.**
- DFTG 2302 - Machine Drafting **3 credit hours.**
- DFTG 2319 - Intermediate Computer-Aided Drafting **3 credit hours.**
- DFTG 2321 - Topographical Drafting **3 credit hours.**
- ENGL 2311 - Technical and Business Writing **3 credit hours.**
- SRVY 1301 - Introduction to Surveying **3 credit hours.**

Total Hours: 18

SECOND YEAR

Third Semester

- DFTG 1317 - Architectural Drafting - Residential **3 credit hours.**

- DFTG 2312 - Technical Illustration and Presentation **3 credit hours.** or
- ARTC 1313 - Digital Publishing I **3 credit hours.**

- DFTG 2340 - Solid Modeling/Design **3 credit hours.**
- Elective - Program Related **3 credit hours.**
- Elective - MATH **3 credit hours.***
- Elective - Language, Philosophy & Culture/Creative Arts **3 credit hours.***

Total Hours: 18

Fourth Semester

- DFTG 2328 - Architectural Drafting – Commercial **3 credit hours.**
- DFTG 2330 - Civil Drafting **3 credit hours.**
- DFTG 2332 - Advanced Computer-Aided Drafting **3 credit hours.**
- DFTG 2438 - Final Project-Advanced Drafting **4 credit hours.**
- Elective - Social and Behavioral Science **3 credit hours.***

Total Hours: 16

Grand Total Hours: 70

*Choose from Core Curriculum

Suggested Program Related Electives

- BMGT 1341 - Business Ethics **3 credit hours.**
- DFTG 2306 - Machine Design **3 credit hours.**
- DFTG 2331 - Advanced Technologies in Architectural Design and Drafting **3 credit hours.**
- DFTG 2332 - Advanced Computer-Aided Drafting **3 credit hours.**
- DFTG 2380 - Cooperative Education — Drafting and Design Technology/Technician, General **3 credit hours.**
- SRVY 1309 - Surveying Measurement **3 credit hours.**
- GISC 2320 - Intermediate Geographic Information Systems (GIS) **3 credit hours.**
- ITSC 1309 - Integrated Software Applications I **3 credit hours.**
- ITSC 1315 - Project Management Software **3 credit hours.**

Criminal Justice, AAS

FIRST YEAR

First Semester

- ENGL 1301 - Composition I **3 credit hours.**
- MATH 1332 - Contemporary Mathematics I **3 credit hours.** (or a higher math)***
- CJSA 1322 - Introduction to Criminal Justice **3 credit hours.** *
- CJSA 1327 - Fundamentals of Criminal Law **3 credit hours.** *
- Elective **3 credit hours.**

Total Hours: 15

Second Semester

- ENGL 2311 - Technical and Business Writing **3 credit hours.**
- Elective - Language, Philosophy & Culture/Creative Arts **3 credit hours.***
- CJSA 1359 - Police System and Practices **3 credit hours.** *
- Elective - Criminal Justice Program of Study **3 credit hours.**
- Elective - Criminal Justice Program of Study **3 credit hours.**
- Elective - **3 credit hours.**

Total Hours: 18

SECOND YEAR

Third Semester

- SOCI 2336 - Criminology **3 credit hours.**
- CJSA 1313 - Court Systems and Practices **3 credit hours.** *
- Elective - Criminal Justice Program of Study **3 credit hours.**
- Elective - Criminal Justice Program of Study **3 credit hours.**
- Elective - **3 credit hours.**
- Elective - **3 credit hours.**

Total Hours: 18

Fourth Semester

- CJCR 1307 - Correctional Systems and Practices **3 credit hours.** *

- FORS 2440 - Introduction to Forensic Science **4 credit hours.** or
- FORS 2450 - Introduction to Forensic Psychology **4 credit hours.**

- CJLE 2247 - Tactical Skills for Police **2 credit hours.**
- Elective - **3 credit hours.**

Total Hours: 12

Grand Total Hours: 63

*Equivalent CRIJ course may be substituted if the person has taken the college entrance test. CRIJ is the preference over CJSA because it transfers more readily to four-year institutions

**SPCH 1311, SPCH 1321, SPCH 1318, or SPCH 1315 must be taken also if the student chooses ENGL 1302.

***Choose from the Core Curriculum

Students who are commissioned Texas Peace officers or who have in the past completed the TCOLE (Texas Commission on Law Enforcement) Basic Peace Officer Licensing Exam are eligible for 15 hours of college credit; and an additional 16 hours of college credit depending upon their completion of the intermediate licensure requirements.

Students with a Jailer's License or a Telecommunications License may be awarded CJCR 1300 or CJLE 1303.

All students must contact the Criminal Justice Department Chair and provide the required documentation to have the credit transcribed. Credit will be transcribed upon completion of degree; additionally, any type of practitioner experience can only be transcribed once in your college career.

Law Enforcement

- CJSA 1312 - Crime in America **3 credit hours.** *
- CJSA 2300 - Legal Aspects of Law Enforcement **3 credit hours.** *
- CJSA 1342 - Criminal Investigation **3 credit hours.** *
- CJSA 1317 - Juvenile Justice System **3 credit hours.** *
  *Equivalent CRIJ course may be substituted.

Corrections

- CJSA 1312 - Crime in America **3 credit hours.** *
- CJCR 2324 - Community Resources in Corrections **3 credit hours.** *
- CJSA 1342 - Criminal Investigation **3 credit hours.** *
- CJSA 1317 - Juvenile Justice System **3 credit hours.** *
  *Equivalent CRIJ course may be substituted.

Security (Including Homeland Security)

- CJSA 2300 - Legal Aspects of Law Enforcement **3 credit hours.** *
- CJSA 1342 - Criminal Investigation **3 credit hours.** *
- HMSY 1337 - Introduction to Homeland Security **3 credit hours.**
- HMSY 1339 - Homeland Security Emergency Contingency Planning **3 credit hours.**
  *Equivalent CRIJ course may be substituted.

Electives - Six elective classes (15 hours) not included in the program of study.

- GOVT 2305 - Federal Government (Federal Constitution and Topics) **3 credit hours.**
- GOVT 2306 - Texas Government (Texas Constitution and Topics) **3 credit hours.**
- SPCH 1318 - Interpersonal Communication **3 credit hours.**
- Language, Philosophy & Culture/Creative Arts - choose from Core Curriculum
- HMSY 1337 - Introduction to Homeland Security **3 credit hours.**
- HMSY 1339 - Homeland Security Emergency Contingency Planning **3 credit hours.**
- PSYC 2315 - Psychology of Adjustment **3 credit hours.**
- CJSA 2300 - Legal Aspects of Law Enforcement **3 credit hours.**
- CJCR 2324 - Community Resources in Corrections **3 credit hours.**
- FORS 2440 - Introduction to Forensic Science **4 credit hours.**
- FORS 2450 - Introduction to Forensic Psychology **4 credit hours.**
- Any Psychology or Sociology Classes listed in the course catalog.

Students must pass a background investigation before enrolling into any of the following courses:

- CJSA 1382 - Cooperative Education I-Criminal Justice Studies **3 credit hours.**
- CJSA 2382 - Cooperative Education II-Criminal Justice Studies **3 credit hours.**
- CJCR 1380 - Cooperative Education-Corrections **3 credit hours.**
- CJCR 2380 - Cooperative Education-Corrections **3 credit hours.**

Dental Hygiene, AAS

This program prepares dental hygiene students to be primary oral health-care professionals who play a key role in promoting oral health through educational, preventive and therapeutic services. The curriculum consists of general education, biomedical sciences, dental sciences, and dental hygiene sciences all provided within a framework of academic and clinical experience.

An Associate of Applied Science degree is awarded upon graduation. Dental hygienists have employment opportunities in general and specialty dental practices and clinics, pharmaceutical and dental supply companies, community health agencies, education and research institutions, and management settings. Dental Hygiene program graduates must pass the online National Board Examination, Regional and/or State Examination, and a state jurisprudence examination to be eligible to apply for state licensure.

Students desiring admission to the program must first meet the basic entrance requirements for Temple College and then apply for admission to the Dental Hygiene Program. Enrollment is limited and admission is competitive. Special program admission criteria and procedures are necessary to be accepted into the program.

Temple College Dental Hygiene Program Mission Statement:

The mission of the Temple College Dental Hygiene Program is to provide quality educational experiences and opportunities that promote the practice of dental hygiene and overall wellness.

Program Philosophy

The Temple College Dental Hygiene Program aligns itself with the mission and goals of Temple College. It is committed to excellence in the process of positioning dental hygiene students to reach their full potential by developing academic and clinical competencies, critical thinking skills, communication proficiency, and civic

responsibility. Although the student is ultimately accountable for his/her own learning process, the Temple College Dental Hygiene Program strives to provide a variety of quality academic, laboratory, clinical and community learning experiences that prepare the student for the diverse demands of today's profession. Through the Program's student-oriented, positive learning environment, the graduates are motivated to become life-long learners and educators in disease prevention and oral health promotion and maintenance. In addition, it is the intent of this Program to reflect the mission statement of the Commission on Dental Accreditation by ensuring quality and continuous improvement in dental hygiene education in an ever-changing dental environment.

Program Admission Criteria

Applicants must meet the following requirements:

1. It is required that students attend a pre-application Dental Hygiene Program Information Session.

2. Complete the Temple College admission procedure and achieve admission to Temple College.

3. Complete a Dental Hygiene Program Admissions Application form.

4. Demonstrate competency in fundamental mathematical skills by a placement test score of a minimum performance level in elementary algebra

5. Provide copies of all relevant transcripts: 1) high school or GED; 2) college/university; and 3) other

6. Provide official transcript of course grades. Prerequisite courses required prior to the application deadline are: BIOL 2401, BIOL 2402, BIOL 2420, CHEM 1405. Applicants must have a minimum of a "C" or better in each course. A minimum cumulative grade point average (GPA) of 2.5 is required for admission to the Dental Hygiene Program. Biological science courses must have been taken within the past five years.

7. Pass all sections of the pre-entrance departmental aptitude tests; HOBET V and Accuplacer.

8. Completion of the above admission criteria does not guarantee admission to the Dental Hygiene Program. The highest qualified applicants will be ranked according to scores of the program admission criteria. Twelve applicants will be accepted into the program each year.

9. Upon conditional acceptance into the program, the following must be provided:

   • Pre-entry Physical Exam

   • Pre-entry Visual Acuity Exam (to be repeated annually)

   • Online background check

   • Proof of required immunizations

Deadline for applying to the Dental Hygiene Program is January 2. Letters of notification will be mailed by March 1st. Accepted applicants have until March 15th to notify the Program Director in writing of applicants' intentions.

Requirements for Associate of Applied Science Degree in Dental Hygiene

To graduate with a Temple College Associate of Applied Science degree in Dental Hygiene, the following requirements must be met:

1. Six semester hours of English: ENGL 1301 and ENGL 2311. ENGL 1302 may be used instead of ENGL 2311 if the student also takes
three hours of speech: SPCH 1311, SPCH 1321, SPCH 1318, or SPCH 1315

2. Eight semester hours of human anatomy and physiology: BIOL 2401 and BIOL 2402; four semester hours of chemistry: CHEM 1405; and four semester hours of microbiology: BIOL 2420.

3. Six semester hours in social and behavioral sciences: PSYC 2301 and SOCI 1301.

4. Three semester hours in fine arts or humanities to be selected from the disciplines of art, history, literature, music, speech (excluding SPCH 1311, 1321, 1318, and 1315), and theater. Students may select one course of three semester hours credit or several courses totaling three semester hours credit.

5. At least 72 semester hours of course credit, exclusive of all 0000-level courses.

6. Included in the 72 semester hours of course work must be all of the required dental hygiene courses for a total of 41 hours credit.

7. The student must be enrolled in Temple College during the semester of his/her graduation.

8. The student must have completed the last 18 semester hours of the work toward graduation at Temple College or have earned a total of 32 semester hours of TC work applicable toward the graduation requirements.

9. For any variation from the above prescribed requirements to be counted toward graduation, a written statement to this effect, signed by the Dental Hygiene Department Chairperson and the Vice President of Educational Services must be on file in the student's record folder.

Prerequisites

- CHEM 1405 - Introductory Chemistry I **4 credit hours.**
- BIOL 2420 - Microbiology for Non-Science Majors **4 credit hours.**
- BIOL 2402 - Anatomy and Physiology II **4 credit hours.**
- MATH Competency Demonstration

Total Hours: 12

FIRST YEAR

Summer Semester (12 Weeks)

- DHYG 1301 - Orofacial Anatomy, Histology and Embryology **3 credit hours.**
- DHYG 1227 - Preventive Dental Hygiene Care **2 credit hours.**

Total Hours: 5

Fall Semester

- DHYG 1431 - Pre-Clinical Dental Hygiene **4 credit hours.**

- DHYG 1304 - Dental Radiology **3 credit hours.**
- DHYG 2201 - Contemporary Dental Hygiene Care I **2 credit hours.**
- DHYG 1103 - Preventive Dental Hygiene Care **1 credit hours.**
- ENGL 1301 - Composition I **3 credit hours.**

Total Hours: 13

Spring Semester

- DHYG 1311 - Periodontology **3 credit hours.**
- DHYG 1260 - Clinical Dental Hygienist I **2 credit hours.**
- DHYG 1207 - General and Dental Nutrition **2 credit hours.**
- DHYG 2231 - Contemporary Dental Hygiene Care II **2 credit hours.**
- PSYC 2301 - General Psychology **3 credit hours.**

Total Hours: 12

SECOND YEAR

Summer Semester

- DHYG 1219 - Dental Materials **2 credit hours.**
- DHYG 1235 - Pharmacology for the Dental Hygienist **2 credit hours.**

Total Hours: 4

Fall Semester

- DHYG 2361 - Clinical Dental Hygienist II **3 credit hours.**
- DHYG 1315 - Community Dentistry **3 credit hours.**
- DHYG 1239 - General and Oral Pathology **2 credit hours.**
- SOCI 1301 - Introductory Sociology **3 credit hours.**

- ENGL 2311 - Technical and Business Writing **3 credit hours.** or
- ENGL 1302 - Composition II **3 credit hours.** and

- SPCH 1311 - Introduction to Speech Communication **3 credit hours.** or
- SPCH 1315 - Public Speaking **3 credit hours.** or
- SPCH 1318 - Interpersonal Communication **3 credit hours.** or
- SPCH 1321 - Business and Professional Communication **3 credit hours.**

Total Hours: 17

Spring Semester

- DHYG 2262 - Clinical Dental Hygienist III **2 credit hours.**

- DHYG 2153 - Dental Hygiene Practice **1 credit hours.**
- DHYG 1291 - Special Topics in Dental Hygiene **2 credit hours.**
- Elective - Language, Philosophy & Culture/Creative Arts **3 credit hours.**

Total Hours: 8

GRAND TOTAL HOURS: 71

Diagnostic Medical Sonography, AAS

Applying for the DMS program at Temple College

Curriculum changes may occur over the next one - two years.

DMS students must be available for day, evening, and possibly weekend clinicals.

1. Be admitted to Temple College.
2. Attend a DMS information session held at Temple College. Dates of the session are posted on the Temple College DMS webpage http://www.templejc.edu .
3. Complete the HOBET V test with a minimum score of **70%** in **each** of the three areas, Reading, Math, English Language and Usage. The composite score will be used to award points. You may take the HOBET V test twice. Current cost is $45.00.
4. Furnish all official transcripts from all schools attended including all prerequisite course grades. The prerequisites must be completed prior to the start of the DMS program with a minimum of a C in each course and a collective GPA of 2.5.

5. Admission into the DMS program is competitive. Admission is based on GPA in general education courses that apply to the DMS curriculum, the number of general education courses completed that apply to the curriculum, admission exam score, service area residency, healthcare licensure/certification and interview results.

6. Within 30 days of notification of conditional acceptance into the program the student must:

a. Provide written documentation of completion of required immunizations (only the first of the Hepatitis series must be initiated in the first 30 days).

b. Provide written documentation of a negative TB skin test or chest radiograph within the previous three months.

c. Provide written documentation of a complete physical exam verifying good physical and mental health.

d. Provide documentation of a satisfactory criminal background check.

e. Provide documentation of a negative drug screen.

7. A shadowing experience will be scheduled through the DMS office. The shadowing experience must be completed prior to the start of the first semester of DMS program.

8. Written documentation of successful completion of the American Heart Association CPR course, Basic Cardiac Life Support for Health Care Providers must be provided prior to the start of the first semester of the DMS program.

Requirements for an Associate of Applied Science Degree

In order to graduate from Temple College and receive the Associate of Applied Science Degree in Sonography, the student must meet the following requirements.

1. Completion of all prerequisites and general education course electives with a minimum of a 2.0 in each course with a collective GPA of 2.5.
   a. Composition I ENGL 1301
   b. College Algebra MATH 1314
      i. Will accept Statistics or higher level mathematics course.
   c. College Physics PHYS 1401
      i. Will accept Radiography Physics
   d. Anatomy and Physiology I BIOL 2401
2. Seventy-two semester hours of course credit, exclusive of the developmental courses. Each course must be completed with a C grade or better. Included in the 72 semester hours of course work are the 45 hours of DMS Core courses. Each DMS core course must be completed in the required sequence with a C grade or better.
3. Pass the exit exam with a 2.0 or higher. The exit exam is a comprehensive review exam covering all material during the students tenure in the program.

Prerequisites

- MATH 1314 - College Algebra **3 credit hours.**
- PHYS 1401 - College Physics I **4 credit hours.** (will accept Radiographic Physics)
- ENGL 1301 - Composition I **3 credit hours.**
- BIOL 2401 - Anatomy and Physiology I **4 credit hours.**

Total Hours: 14

FIRST YEAR

Fall 1

- DMSO 1302 - Basic Ultrasound Physics **(3:3-0-0) credit hours.**
- DMSO 1110 - Introduction to Sonography **(1:1-0-0) credit hours.**
- DSVT 1103 - Introduction to Vascular Technology **(1:1-0-0) credit hours.**
- DMSO 1441 - Abdominopelvic Sonography **(4:3-3-0) credit hours.**
- BIOL 2402 - Anatomy and Physiology II **4 credit hours.**

Total Hours: 13

Spring I Semester

- DMSO 2441 - Sonography of Abdominopelvic Pathology **(4:3-3-0) credit hours.**
- DMSO 2351 - Doppler Physics **(3:3-0-0) credit hours.**
- PSYC 2301 - General Psychology **3 credit hours.**
- DMSO 1361 - Clinical I – Diagnostic Medical Sonography **(3:0-16-0) credit hours.**

Total Hours: 13

Summer Semester (12 weeks)

- DMSO 2405 - Sonography of Obstetrics and Gynecology **(4:3-3-0) credit hours.**
- DMSO 2363 - Clinical II – Diagnostic Medical Sonography **(3:0-0-24) credit hours.**

Total Hours: 7

SECOND YEAR

Fall II Semester

- DMSO 2442 - Sonography of High Risk Obstetrics **(4:3-3-0) credit hours.**
- DMSO 2354 - Neurosonology **(3:3-0-0) credit hours.**
- HUMA XXXX - Humanities Elective **3 credit hours.**
- DMSO 2366 - Practicum I – Diagnostic Medical Sonography **(3:0-0-24) credit hours.**

Total Hours: 13

Spring II Semester

- DMSO 2245 - Advanced Sonography Practices **(2:2-0-0) credit hours.**
- DMSO 2230 - Advanced Ultrasound and Review **(2:2-0-0) credit hours.**
- DMSO 2253 - Sonography of Superficial Structures **(2:1-3-0) credit hours.**
- DMSO 2367 - Practicum II – Diagnostic Medical Sonography **(3:0-0-24) credit hours.**

- ENGL 2311 - Technical and Business Writing **3 credit hours.** or
- ENGL 1302 - Composition II **3 credit hours.** and
- SPCH 1311 - Introduction to Speech Communication **3 credit hours.**

Total Hours: 12

TOTAL HOURS: 72

Emergency Medical Services, AAS

Emergency Medical Services Professions

The Profession and the Program

The primary role of Emergency Medical Services (EMS) professionals is providing patient care in pre-hospital settings and during transfers of patients between health care facilities. They respond to requests for out-of-hospital health care, assess patients, initiate treatment under written or verbal orders from a physician, and transport patients to appropriate facilities. Care that otherwise would be available only in an emergency department is taken into the community. EMS professionals also care for patients who are being transported between health care facilities, both in ground vehicles and on aircraft.

Employers of EMS professionals include ambulance services, fire departments, law enforcement agencies, and aeromedical transport services. In some areas, EMS professionals work in hospital emergency departments and critical care units. With additional education and experience, they also fill positions in EMS systems administration, industrial health and safety, emergency management, and emergency services education.

The Emergency Medical Services (EMS) Professions Department provides course work necessary to prepare students for practice as competent entry-level: (1) ECAs, (2) EMTs, (3) Advanced EMTs, (4) Paramedics, or (5) Critical Care Paramedics. Graduates are eligible for the certification exams offered by the National Registry of Emergency Medical Technicians (NREMT) and for certification or licensure by the Texas Department of State Health Services (DSHS). Students who complete the Critical Care Paramedic (CCP) courses can take the certification exam offer by the Board of Critical Care Transport Paramedic Certification.

A two-year program leads to an Associate of Applied Science degree in Emergency Medical Services. Students who have an A.A.S in Emergency Medical Services, complete the Critical Care Paramedic course, and take Microbiology will be awarded an Enhanced Skills Certificate. Advanced EMT and Paramedic Certificates of Completion are available for students who do not wish to pursue an associate's degree. The Department offers courses at both Temple and Hutto.

Admission to the Department

There is no discrimination based on race, color, religion/creed, age, sex, disabling conditions, handicaps, or national origin. To be admitted to the EMS program, students must first meet the basic entrance requirements for admission

to Temple College. However, admission to Temple College does not constitute automatic acceptance into the EMS program.

Applicants who believe they have a disability that will require accommodations during the application process or during their enrollment should contact the EMS Professions Department as early as possible. Students must be able to successfully complete all course and program requirements.

Persons enrolling in the EMT course (EMSP 1501/EMSP 1160) must:

1. Apply for and achieve admission to Temple College.

2. Hold a high school diploma or a GED. (High school seniors may enroll but they must hold a high school diploma and be 18 years old to become eligible for certification.)

3. Document immunization against tetanus, diphtheria, mumps, measles, rubella, varicella, influenza, and hepatitis B (Some immunization series require five month to complete. Students must have all immunization completed prior to beginning the clinical rotations).

4. Document results from a tuberculosis skin test or chest x-ray performed within the previous 6 months.

5. Submit a completed EMT application packet.

6. Satisfy drug screening requirements (Refer to EMT Application).

7. Satisfy criminal background requirements (Refer to EMT Application).

8. Satisfy CPR requirements (Refer to EMT Application).

A completed EMT application portfolio must be submitted according to deadlines established by the EMSP Department. The portfolio must include:

1. Verification of immunization against tetanus, diphtheria, mumps, measles, rubella, varicella, influenza, and hepatitis B.

2. Results from a tuberculosis skin test or chest x-ray performed within the last 6 months.

3. Documentation of high school graduation or a GED.

4. Documentation of current CPR certification.

The number of students in the EMT program is limited by spaces available for clinical experience in affiliated hospitals and EMS provider organizations. Enrollment is available on a first-come, first-served basis.

Persons enrolling in the Advanced EMT or Paramedic course must:

1. Apply for and achieve admission to Temple College

2. Take one of the Texas Success Initiative exams or document that you are except from this exam.

3. Take the HOBET, or its successor. All candidates should achieve the minimum passing score established by the Department (Refer to the Advanced Application Packet).

4. Document immunization against tetanus, diphtheria, mumps, measles, rubella, varicella, influenza, and hepatitis B. (Some immunization series require five month to complete) Students must have all immunization completed prior to beginning the clinical rotations).

5. Document results from a tuberculosis skin test or chest x-ray performed within the previous 6 months.

6. Show proof of EMT certification (NREMT or Texas DSHS). Students who have completed an EMT course and are in the process of obtaining certification are eligible to apply. Students may be admitted contingent on obtaining their certification.

7. Submit a completed advanced application packet.

8. Satisfy criminal background requirements (Refer to Advanced Application Packet).

9. Satisfy drug screening requirements (Refer to Advanced Application Packet).

10.Satisfy CPR requirements (Refer to Advanced Application Packet).

Students are accepted for advanced course work beginning in the Fall semester at Hutto and in the Spring semester at Temple.

A completed advanced application portfolio must be submitted according to deadlines established by the EMSP Department. The portfolio must include:

1. An assessment score or documentation of exemption (ACCUPLACER, THEA, COMPASS, etc.).

2. Results of the HOBET, or it successors results

3. Results of the Department's comprehensive EMT-final examination. Students who successfully complete EMSP 1501 from Temple College are exempt from taking this examination and may substitute their score on the EMSP 1501 final examination.

4. Verification of immunization against tetanus, diphtheria, mumps, measles, rubella, varicella, influenza, and hepatitis B.

5. Results from a tuberculosis skin test or chest x-ray performed within the last 6 months.

6. Documentation of high school graduation or a GED.

7. Copies of all relevant academic transcripts: high school, college or university, military service schools, other (proprietary schools).

8. Documentation of EMT certification. Students who are currently enrolled in an EMT course or who have completed EMT course work and are engaged in the credentialing process should provide a statement to this effect.

9. Documentation of current CPR certification.

10.A resume or curriculum vitae showing work history with emphasis on EMS experience.

After a completed application portfolio is on file, an interview with at least one member of the EMSP faculty will be scheduled. Notification regarding admission status will be sent within two weeks of interviews. If an application is rejected, the applicant may request a hearing before the Department Chairman. Requests must be submitted in writing and must include the reasons why the application should be reconsidered.

The number of students in the program is limited by spaces available for clinical experience in affiliated hospitals and EMS provider organizations. Competitive selection of students may become necessary if the number of applicants exceeds the number of seats available. In this event, a committee consisting of the Medical Director and EMSP faculty will review applicants. Factors that may be considered should competitive selection become necessary include:

1. Previous academic performance.

2. Results of the HOBET, or its successors results

3. Comprehensive departmental EMT exam scores (or scores on the EMSP 1501 comprehensive final examination).

4. Interview results.

5. Prior work experience in EMS.

6. Temple College service area residency status.

7. Employment by one of the Department's clinical affiliates

Persons enrolling in the Critical Care Paramedic course must:

1. Apply for and achieve admission to Temple College

2. Document immunization against tetanus, diphtheria, mumps, measles, rubella, varicella, influenza, and hepatitis B.

3. Document results from a tuberculosis skin test or chest x-ray performed within the previous 6 months.

4. Show proof of paramedic certification or licensure (NREMT or Texas DSHS).

5. Document at least two years of experience as a paramedic.

6. Submit a completed CCP application packet.

7. Satisfy criminal background requirements (Refer to CCP Application Packet).

8. Satisfy drug screening requirements (Refer to CCP Application Packet).

9. Satisfy CPR requirements (Refer to CCP Application Packet).

A completed CCP application portfolio must be submitted according to deadlines established by the EMSP Department. The portfolio must include:

1. An assessment score or documentation of exemption (ACCUPLACER, THEA, COMPASS, etc.).

2. Verification of immunization against tetanus, diphtheria, mumps, measles, rubella, varicella, influenza, and hepatitis B.

3. Results from a tuberculosis skin test or chest x-ray performed within the last 6 months.

4. Documentation of high school graduation or a GED.

5. Copies of all relevant academic transcripts: high school, college or university, military service schools, other (proprietary schools).

6. Documentation of paramedic certification or license.

7. A resume or curriculum vitae showing work history with emphasis on EMS experience.

The number of students in the CCP program is limited by spaces available for clinical experience in affiliated hospitals and EMS provider organizations. Enrollment is available on a first come first served basis.

UNIFORMS AND OTHER SUPPLIES Students enrolled in EMSP courses must wear a uniform to class and clinical rotations. Uniform requirements are outlined in the application packets for each level. The purchase of a stethoscope is also required. The cost of uniforms and equipment is not included in any College fees.

PROFESSIONAL LIABILITY INSURANCE Students will be assessed a professional liability insurance fee when they enroll in their first EMSP clinical course during an academic year. This fee will cover the cost of malpractice insurance coverage for the remainder of that academic year.

STUDENT EMPLOYMENT The decision to work while enrolled in the EMS program rests with the individual student. While students may be employed in or volunteer in the clinical setting outside of regular instructional hours, they may count time and patient care procedures toward completion of course requirements only if they are functioning in the capacity of a student on a scheduled clinical rotation.

The EMSP Department cannot guarantee that all required clinical rotations will be available at times outside of the hours of a student's regular employment. If a clinical rotation required for successful completion of the course in which a student is enrolled is allowed only during a period of time when a student is engaged in his/her regular employment, the student will be required to arrange time off from work to complete the rotation.

STUDENT TRAVEL POLICY A significant portion of the rotations must take place at clinical sites that provide access to larger numbers of patients presenting common problems encountered in the delivery of emergency care. Temple College and the EMSP Department assume no responsibility for expenses incurred as a result of travel or transportation that must be arranged to satisfy course requirements.

CRIMINAL BACKGROUND AND DRUG SCREEN TESTING POLICY Clinical sites will require a criminal background check and/or a drug screen testing prior to beginning clinical rotations. If the student does not meet the standards set by the clinical site, the student will not be allowed to attend or complete the clinical at that site.

PROMOTION Once the student is accepted into advanced EMSP course work, it is expected that he/she will continue to progress directly to the next semester's courses. To do this, the student must:

1. Have completed all previously required EMSP courses with a grade of "C" or better.

2. Have satisfied the competency requirements for all previously required EMSP courses.

3. Maintain good academic standing according to Temple College's Minimum Academic Standards, Scholastic Probation, and Scholastic Suspension policies.

4. Meet all general Temple College requirements and be approved for registration.

The following grading scale applies to all EMSP courses:

Numerical Value	Letter Grade
89.5-100	A
80.5-89.4	B
74.5-80.4	C
69.5-74.4	D
below 69.5	F

Instruction in EMSP course work is competency-based. Although minimum clock hour requirements for didactic instruction, clinical rotations, and field internship have been established, successful completion depends on the student's demonstrating proficiency in the knowledge, skills, and personal behaviors/attitudes required of an entry-level EMS professional. Paramedic students complete a field internship under the supervision of experienced preceptors. They must demonstrate the ability to apply and integrate the knowledge, skills, and personal behaviors/attitudes of an entry-level Paramedic and must receive a final evaluation of entry-level competency from their assigned preceptor(s). EMS Professions students also must successfully complete a comprehensive written exit examination and a clinical simulation/oral examination conducted at the end of the final semester.

CERTIFICATION AND LICENSURE Students who successfully complete the prescribed EMSP basic or advanced course work are eligible to take National Registry of EMT's (NREMT) examination at the appropriate level and to apply for Texas Department of State Health Service's (DSHS) certification or licensure. Students who complete the Critical Care Paramedic course work are eligible to take the Board of Critical Care Transport Paramedic Certification (BCCTPC) examination.

The NREMT and BCCTPC administers a separate process from the one used by Temple College for determining whether accommodations for disabilities will be granted during the certification examination process. Eligibility is evaluated on a case-by-case basis. Therefore, a student who receives an accommodation during a course taught at

Temple College has no guarantee of receiving an accommodation for the NREMT or BCCTPC certification examination.

The nature of EMS duties requires restrictions to be placed on credentialing of persons with criminal histories. Applicants with criminal histories who wish to take the NREMT or BCCTPC examination or be certified or licensed by DSHS are reviewed by those agencies on a case-by-case basis. Therefore, the EMSP Department is not able to advise a student with a criminal history if he/she will be eligible for certification and/or licensure upon course completion. Questions regarding certification or licensure of applicants with criminal histories should be directed to the Texas Department of State Health Services, Board of Critical Care Transport Paramedic Certification or the National Registry of EMTs.

Credentialing requirements, procedures, and fees vary significantly from state to state. It is the responsibility of a student who anticipates practicing in another state to contact the appropriate agency regarding credentialing or reciprocity procedures.

Prerequisites

- BIOL 2401 - Anatomy and Physiology I **4 credit hours.**

Total Hours: 4

First Semester

- BIOL 2402 - Anatomy and Physiology II **4 credit hours.**
- EMSP 1438 - Introduction to Advanced Practice **(4:3-2-0) credit hours.**
- EMSP 2348 - Emergency Pharmacology **(3:3-1-0) credit hours.**
- EMSP 1356 - Patient Assessment and Airway Management **(3:2-2-0) credit hours.**
- EMSP 1162 - Clinical-Emergency Medical Technology/Technician **(1:0-0-4) credit hours.**

Total Hours: 15

Second Semester

- EMSP 1355 - Trauma Management **(3:2-2-0) credit hours.**
- EMSP 1263 - Clinical-Emergency Medical Technology/Technician **(2:0-0-6) credit hours.**
- EMSP 2544 - Cardiology **(5:4-4-0) credit hours.**
- MATH - Math **3 credit hours.***
- PSYC 2301 - General Psychology **3 credit hours.**

Total Hours: 16

Third Semester

- EMSP 2434 - Medical Emergencies **(4:4-3-0) credit hours.**
- EMSP 2430 - Special Populations **(4:3-2-0) credit hours.**
- EMSP 2260 - Clinical - Emergency Medical EMT Paramedic **(2:0-0-8) credit hours.**
- ENGL 1301 - Composition I **3 credit hours.**
- Language, Philosophy & Culture Elective **3 credit hours.**

Total Hours: 16

Fourth Semester

- EMSP 2143 - Assessment Based Management **(1:0-3-0) credit hours.**
- EMSP 2338 - EMS Operations **(3:2-2-0) credit hours.**
- EMSP 2135 - Advanced Cardiac Life Support **(1:1-0-0) credit hours.**
- EMSP 1149 - Pre-Hospital Trauma Life Support **(1:1-0-0) credit hours.**
- EMSP 2460 - Clinical-emergency Medical EMT Paramedic **(4:0-0-14) credit hours.**
- EMSP 1147 - Pediatric Life Support **(1:1-0-0) credit hours.**
- ENGL 2311 - Technical and Business Writing **3 credit hours.**

Total Hours: 14

Grand Total Hours: 65

*Choice of MATH 1314 or MATH 1442

General Business, AAS

FIRST YEAR

First Semester

- ENGL 1301 - Composition I **3 credit hours.**
- POFT 1329 - Beginning Keyboarding **3 credit hours.**
- Choose from Mathematics Core **3 credit hours***
- Choose from Human Resource Electives **3 credit hours.**
- Choose from Business Electives **3 credit hours.**

Total Hours: 15

Second Semester

- BUSI 1301 - Business Principles **3 credit hours. or**
- BUSG 1301 - Introduction to Business **3 credit hours.**

- SPCH 1315 - Public Speaking **3 credit hours.**
- BCIS 1305 - Business Computer Applications **3 credit hours.**
- Choose from Finance Electives **3 credit hours.**
- Choose from Marketing Electives **3 credit hours.**

Total Hours: 15

SECOND YEAR

Third Semester

- ACCT 2301 - Principles of Financial Accounting **3 credit hours.**
- BMGT 1341 - Business Ethics **3 credit hours.**
- BUSI 2301 - Business Law **3 credit hours.**
- ECON 2301 - Principles of Macroeconomics **3 credit hours.**
- Choose from Business Electives **3 credit hours.**

Total Hours: 15

Fourth Semester

- ACCT 2302 - Principles of Managerial Accounting **3 credit hours.**
- ECON 2302 - Principles of Microeconomics **3 credit hours.**
- ENGL 2311 - Technical and Business Writing **3 credit hours.**
- Choose from Language, Philosophy, & Culture/Creative Arts Core **3 credit hours.***
- Choose from Social and Behavioral Sciences Electives **3 credit hours.***

Total Hours: 15

Grand Total Hours: 60

Suggested Business Electives

- ACNT 1303 - Introduction to Accounting I **3 credit hours.**
- ACNT 1311 - Introduction to Computerized Accounting **3 credit hours.**
- BMGT 1301 - Supervision **3 credit hours.**
- BMGT 1325 - Office Management **3 credit hours.**
- BMGT 1382 - Cooperative Education I-Business Administration and Management, General **3 credit hours.**
- BMGT 1383 - Cooperative Education II-Business Administration and Management, General **3 credit hours.**
- BMGT 2303 - Problem Solving and Decision Making **3 credit hours.**

- BMGT 2382 - Cooperative Education III-Business Administration and Management, General **3 credit hours.**
- BUSG 1303 - Principles of Finance **3 credit hours.**
- BUSG 2309 - Small Business Management/Entrepreneurship **3 credit hours.**
- BUSG 2317 - Business Law/Commercial **3 credit hours.**
- BUSI 1307 - Personal Finance **3 credit hours.**
- HRPO 1311 - Human Relations **3 credit hours.**
- HRPO 2301 - Human Resources Management **3 credit hours.**
- HRPO 2307 - Organizational Behavior **3 credit hours.**
- MRKG 1301 - Customer Relationship Management **3 credit hours.**
- MRKG 1302 - Principles of Retailing **3 credit hours.**
- MRKG 1311 - Principles of Marketing **3 credit hours.**
- MRKG 1313 - Public Relations **3 credit hours.**
- MRKG 2349 - Advertising and Sales Promotion **3 credit hours.**
- POFT 1301 - Business English **3 credit hours.**
- POFT 1309 - Administrative Office Procedures I **3 credit hours.**
- POFT 1313 - Professional Workforce Preparation **3 credit hours.**
- POFT 2312 - Business Correspondence and Communication **3 credit hours.**

Suggested Finance Electives

Suggested Finance Electives

- ACNT 1303 - Introduction to Accounting I **3 credit hours.**
- ACNT 1311 - Introduction to Computerized Accounting **3 credit hours.**
- BUSG 1303 - Principles of Finance **3 credit hours.**
- BUSG 1341 - Small Business Financing **3 credit hours.**
- BUSI 1307 - Personal Finance **3 credit hours.**

Suggested Human Resource Electives

- HRPO 1311 - Human Relations **3 credit hours.**
- HRPO 2301 - Human Resources Management **3 credit hours.**
- HRPO 2307 - Organizational Behavior **3 credit hours.**
- BMGT 1301 - Supervision **3 credit hours.**
- BMGT 2309 - Leadership **3 credit hours.**
- BMGT 1325 - Office Management **3 credit hours.**

Suggested Marketing Electives

Suggested Marketing Electives

- MRKG 1301 - Customer Relationship Management **3 credit hours.**
- MRKG 1302 - Principles of Retailing **3 credit hours.**
- MRKG 1311 - Principles of Marketing **3 credit hours.**
- MRKG 1313 - Public Relations **3 credit hours.**

- MRKG 2349 - Advertising and Sales Promotion **3 credit hours.**

Note(s):

* Choose from Core Curriculum

Geographic Information Systems, AAS

Deactivated Fall 2013

The Geographic Information System (GIS) program is designed to give students entry-level proficiency. The GIS program enables the student to develop the fundamental skills, knowledge, and experience which prepares the student for positions in the field of GIS. The program combines classroom lecture along with the hands-on experience to give the students practical knowledge of GIS. Students may pursue a Certificate of Completion or the Associate Degree.

Application software used in this program includes ArcGIS® (ESRI), ERDAS Imagine®, AutoCAD®, and Microsoft Office.

FIRST YEAR

First Semester

- GISC 1301 - Cartography and Geography in Geographical Information Systems (GIS) and Global Positioning System (GPS) **3 credit hours.**
- GISC 1311 - Introduction to Geographic Information Systems (GIS) **3 credit hours.**
- ENGL 1301 - Composition I **3 credit hours.**
- GEOG 1300 - Principles of Geography **3 credit hours.**
- Elective - Program Related **3 credit hours.**

Total Hours: 15

Second Semester

- GISC 2301 - Data Acquisition & Analysis in Geographic Information Systems (GIS) **3 credit hours.**
- GISC 2311 - Geographic Information Systems (GIS) Applications **3 credit hours.**
- SRVY 1301 - Introduction to Surveying **3 credit hours.**
- ITSE 1329 - Programming Logic and Design **3 credit hours.** **
- ITSW 1307 - Introduction to Database **3 credit hours.**
- Elective - MATH **3 credit hours.***

Total Hours: 18

SECOND YEAR

Third Semester

- GISC 2320 - Intermediate Geographic Information Systems (GIS) **3 credit hours.**
- DFTG 1309 - Basic Computer-Aided Drafting **3 credit hours.**
- ENGL 2311 - Technical and Business Writing **3 credit hours.**
- Elective - Language, Philosophy & Culture/Creative Arts **3 credit hours.***
- Elective - Program Related **3 credit hours.**

Total Hours: 15

Fourth Semester

- GISC 1321 - Introduction to Raster-Based Geographic Information Systems (GIS) **3 credit hours.**
- GISC 2380 - Cooperative Education – Cartography (GIS) **3 credit hours.**
- DFTG 2330 - Civil Drafting **3 credit hours.**

- ITSE 1331 - Introduction to Visual Basic Programming **3 credit hours.** ** or
- IMED 1316 - Web Design I **3 credit hours.**

- Elective - Program Related **3 credit hours.**

Total Hours: 15

Grand Total Hours: 63

Suggested Program Related Electives

- DFTG 2319 - Intermediate Computer-Aided Drafting **3 credit hours.**
- ENVR 1301 - Environmental Science I **3 credit hours.**
- GEOL 1303 - Physical Geology **3 credit hours.**
- GISC 1391 - Special Topics in Cartography (GIS) **3 credit hours.**
- IMED 1316 - Web Design I **3 credit hours.**
- IMED 2315 - Web Design II **3 credit hours.**
- ITSC 1309 - Integrated Software Applications I **3 credit hours.**
- ITSC 1315 - Project Management Software **3 credit hours.**
- ITSE 1311 - Beginning Web Programming **3 credit hours.**
- ITSW 1310 - Introduction to Presentation Graphics Software **3 credit hours.**
- SRVY 1309 - Surveying Measurement **3 credit hours.**
- SRVY 1315 - Surveying Calculations **3 credit hours.**
- SRVY 1319 - Introduction to Geographic Information Systems: (GIS) **3 credit hours.**
- SRVY 2305 - Geographic Information Systems Applications **3 credit hours.**
- SRVY 2309 - Computer Aided Mapping **3 credit hours.**

Geography Elective

- GEOG 1301 - Physical Geography **3 credit hours.**

- GEOG 1302 - Cultural Geography **3 credit hours.**
- GEOG 1303 - World Regional Geography **3 credit hours.**
- GEOG 2312 - Economic Geography **3 credit hours.**

Note(s):

* Choose from Core Curriculum
** Equivalent BCIS or COSC course may be substituted in the person has taken the college entrance test. BCIS or COSC is the preference over ITSE because it transfers more readily to four-year institutions.

Nursing, AAS

The Associate Degree Nursing (ADN) program leads to an Associate of Applied Science degree and allows the graduate to apply to take the state licensing exams for registered nursing. Completion of the AAS degree in nursing does not guarantee admittance to the registered nurse license examinations. Graduates will be required to answer questions about their drug, alcohol, psychiatric, and/or conviction history for determination of eligibility to take the licensing exam for registered nursing. Criminal background checks are now required on all students and graduates. Further information is available in the office of the ADN Department. The Associate Degree Nursing Program is fully accredited by the Accreditation Commission for Education in Nursing, (National League for Nursing Accrediting Commission, Inc.) 404-975-5000, 3343 Peachtree Road, NE, Suite 500, Atlanta, GA 30326.

Philosophy

The philosophy of the Temple College Associate Degree Nursing program reflects the beliefs of the faculty and provides the foundation for the nursing program. The ADN philosophy is congruent with the institution's mission statement by providing quality education to prepare ADN graduates capable of meeting licensure by examination requirements and providing entry-level employment as a registered nurse to the diverse community served by Temple College.

The faculty recognizes the holistic nature of the individual with biological (physical being), psychological (mind), and social (relationship with others) dimensions. These dimensions are interrelated to create the whole; when one dimension changes, other dimensions may be affected. The individual is understood to be a dynamic being with varying capacity to meet their needs. Each individual has the right to be actively involved in a plan to meet their needs. When active involvement is not possible, the individual is entitled to assistance in a caring manner.

Nursing is a profession in which caring behaviors are provided in response to actual or potential unmet health needs. Caring behaviors are those practices that demonstrate the nurse's altruistic concern for the welfare of the patient. The nurse provides caring behaviors by performing in the roles of provider of care, patient safety advocate, member of the healthcare team, and profession member. These roles may be performed in a variety of settings. These roles integrate both scientific and humanistic experiences through critical thinking processes. In the patient care setting, clinical reasoning is implemented using the five steps of the nursing process, assessment, diagnosis, planning, implementation, and evaluation. The nurse is accountable for performance in these roles not only to one's self and the profession, but also to a local, national, and global society.

Nursing education consists of experiences, both didactic and practicum, that develop the individual's potential to provide quality care. The foundation for these experiences is derived from scientific and humanistic concepts and principles. The faculty facilitates learning opportunities that provide the student exposure to knowledge, skills, technology, and values necessary for professional nursing practice. Traditional and innovative learning opportunities draw from and build on each other to provide progression in the development of nursing roles. Course work specific to nursing and the general education curriculum, as outlined by the College, comprises the formal education plan for the associate degree nursing student.

Learning is viewed as a continuing process involving cognitive, affective, and psychomotor domains. Learning in the nursing program is dependent on faculty-student interaction. The faculty has the responsibility for guiding the learner to experiences that

will assist them in meeting the objectives of the nursing program. The student has the responsibility for acquiring the knowledge, values and skills necessary to meet the objectives of the nursing program. Both participants have the responsibility for creating and participating in a learning climate that fosters the maximum development of each student's potential. This focus recognizes that learning beyond the formal educational setting is essential and does not stop upon completion of the formal learning plan.

The nursing curriculum incorporates the following concepts: the individual is a holistic, dynamic being with varying capacity to meet their needs; nursing interacts with the individual in response to unmet needs by utilizing critical thinking processes to provide caring behaviors; the nurse performs in the roles of provider of care, patient safety advocate, member of the healthcare team and profession member. Inherent within these concepts is the importance of communication in a variety of forms.

Revised 10/16/13

Conceptual Framework

The conceptual framework of Temple College's Associate Degree Nursing program reflects the philosophy's major concepts: the individual is a holistic being with varying capacity to meet their needs; nursing interacts with the individual in response to unmet needs by utilizing the nursing process to provide caring behaviors; the nurse performs in the roles of provider of care, patient safety advocate, member of the healthcare team, and profession member. Inherent within these concepts is the importance of communication in a variety of forms.

Holistic Individual	Each person is a unique integration of biological, psychological and social dimensions; the unified whole is greater than the sum of the parts.
Biological Dimension	The portion of the individual that is represented by the physical being: the body.
Psychological Dimension	The portion of the individual that is represented by the mind; the capacity for thinking, emotions, and spirituality.
Social Dimension	The portion of the individual that is represented by the individual's relationship with others. These relationships exist in a diverse environment. Contributing to this diversity are characteristics such as (but not limited to) culture, ethnicity, age, and socioeconomic status.
Need	That which is necessary, useful or desirable to maintain life. For one who is in a terminally ill state of life and/or involved in the dying process, the quality of life may become the focus.
Caring Behaviors	Those practices that demonstrate the nurse's altruistic concern for the welfare of the patient. Caring behaviors are integrated from scientific and humanistic experiences through the use of critical thinking processes in the performance of nursing roles.
Patient/Client	An individual, family, or group who interacts with the nurse in response to actual or potential unmet needs; the recipient of care.
Critical Thinking Processes	Problem identification and problem solving processes which incorporate communication, evidence, experience, observations, reflection, and reasoning to integrate scientific and humanistic considerations in deciding on conclusions and guiding behavior.

Clinical Reasoning	A form of critical thinking focused on providing patient-centered care. The nursing process, a form of clinical reasoning, is used to provide patient care.
Nursing Process	A method of thinking critically that consists of a series of planned steps and actions to integrate scientific with humanistic experiences. The nursing process has five steps: assessment, diagnosis, planning, implementation and evaluation.
Provider of Care	The Associate Degree Nurse functions as a provider of care by applying the steps of the nursing process to formulate and deliver patient-centered nursing care.
Patient Safety Advocate	The Associate Degree Nurse promotes and provides a safe environment for patient, self, and others.
Member of the Healthcare Team	The Associate Degree Nurse collaborates with patients, families, and the interdisciplinary healthcare team to provide, organize, and facilitate quality care.
Profession Member	The Associate Degree Nurse is committed to professional growth, continuous learning, self-development, practicing within the ethical and legal framework of nursing. The nurse is also accountable for ensuring high standards of nursing practice to include the utilization of evidence based nursing.

Program Objectives

(Student Learning Outcomes)

1. Utilize critical thinking processes as a basis for professional practice.
2. Provide and advocate for the safety of self and others.
3. Act as an advocate in providing quality holistic, patient-centered care to a diverse population.
4. Collaborate with the patient and interdisciplinary healthcare team to facilitate quality patient-centered care.
5. Communicate effectively in performance of professional roles.
6. Practice nursing within a legal-ethical framework consistent with nursing practice standards.

Admission to the Fall ADN Program

Note: Curriculum changes will occur. Students should check online sources of information for updates. Students desiring admission to the Fall ADN program must:

1. Complete the Temple College (TC) admission process. All college requirements must be met. Students must be TSI complete.
2. Enroll in the prerequisite courses. These courses are BIOL 2401 - Anatomy and Physiology I, ENGL 1301 - Composition I and PSYC 2301 - General Psychology. The 3 prerequisite courses must be completed or in progress during the Spring semester to be able to apply for the Fall semester class. Corequisite courses may be taken prior to acceptance into the nursing program.
3. Take the Nursing admission exam. The exam will be given at the TC Testing Center in February and March for the Fall class.(See the TC Website for specific dates and instructions.)
4. Complete the ADN application process. Bring your Nursing admission exam results to the Dell Martin Nursing Education Center. If you are bringing scores from another college, the results must be in a college letterhead, sealed

envelope and indicate no calculator was used. After your scores have been received, you will be given an application.

The application process includes furnishing official transcripts of prerequisite course grades and any college courses. You must have a minimum of a "C" in every course. A minimum overall grade point average (GPA) of 2.8 (in all general education courses that apply toward the nursing curriculum) is required for application to the ADN program. Biology courses must have been taken within the past ten years. Applications will not be processed if any of the stated admission requirements are missing or incomplete.

5. Applicants will be notified whether or not they are conditionally accepted into the program. If conditionally accepted into the program, the following must be completed: A current physical examination (within six months prior to beginning the nursing program) verifying good physical and mental health with required immunizations. Note: Students shall receive the complete series of 3 Hepatitis B immunizations prior to the start of direct patient care. Flu vaccination is required annually. A drug screen also will be required.
   Effective Spring, 2012, Admissions and Records policy: All first time or transfer students that did not attend the long semester immediately preceding their first semester at TC and are under 30 years of age must have a bacterial meningitis shot within the last 5 years prior to 10 days before the first day of the semester.
   A satisfactory criminal background check (specific instructions will be given). The Texas Board of Nursing will conduct the criminal background check. **The student must be cleared by the Board of Nursing before being allowed to register for nursing courses**. **Failure to be cleared by the Board of Nursing by the designated date will prevent admission.** Any healthcare facility associated with Temple College may also require criminal background checks. Permission to perform the criminal background check must be given by the student. It may be necessary to dismiss students from a program if they are barred from practicing at any healthcare facility. Future employment and licensing may be affected by the results of a criminal background check.
6. Written documentation of successful completion of a CPR course designed for health care providers (e.g., Basic Cardiac Life Support for Health Care Providers only from the American Heart Association). No student will be permitted in the clinical setting without current documentation on file (must remain current throughout the ADN program).

Students seeking admission to the ADN program are admitted on the basis of the following criteria, with maximum point totals awarded as indicated:

- GPA (only general education courses that apply to the ADN curriculum) (approximately 38% of points)
- Number of general education credits that apply toward the ADN curriculum (approximately 23% of points)\
- Temple College service area residency status (approximately 8% of points)
- Nursing admission exam (approximately 31% of points)

One point will be deducted from an applicant's point total if the applicant has failed any nursing course in another nursing program. Admission to the nursing program is determined during the late spring for the fall semester. In the case of competitive admissions, requirements over and above the minimum will be necessary.

Admission to Temple College does not constitute automatic acceptance into the nursing program. In the event the application is rejected, the applicant may request a review by the ADN Director or designee.

Promotion

Once a student is accepted into and begins the ADN program curriculum, it is expected that the student will continue to progress directly to the next semester's courses. In order to do this, the student must:

1. Have completed all previously required courses with a "C" grade (2.0 based on a 4.0 scale) or better;
2. Be concurrently enrolled in required non-nursing courses scheduled for that semester, or have previously passed these courses with a minimum grade of "C" (2.0);
3. Maintain good academic standing (See the College Catalog, Academic Standards, Scholastic Probation, & Scholastic Suspension policies):
4. Meet all general Temple College requirements (be approved for registration).

Failure in any required nursing course indicates possibility of failure on the board exam. Therefore, no more than one nursing course may be repeated during the program, due to failure, and that course may be repeated only once. In all nursing courses, the following grading scale will be used.

Numerical Value	Letter Grade	Points
93-100	A	4.0
85-92	B	3.0
75-84	C	2.0
Below 75	D	0

In all courses, both nursing and non-nursing, that count toward graduation, the minimum passing grade is a "C" or 2.0 on the 4.0 scale. Further grading criteria can be found in each course outline.

Readmission to the ADN Program

Students may apply for readmission to the ADN program following their withdrawal or dismissal by writing a request for readmission letter to the ADN Department office. Students seeking readmission who have successfully completed any nursing courses more than three years prior to readmission will be required to re-enroll in the nursing courses. All policies specified by Temple College for readmitting students will apply (see the College Catalog section on readmission under the Application for Admission policy.) Applicants being readmitted to the first semester of nursing courses will be considered using the same criteria as new applicants. All other requests for readmission are determined by the priority criteria as listed below. Applicants being considered for readmission to other semesters will be considered on a space available basis by the ADN Director, or designee.

The ADN Director, or designee, will review the applicant's record and make recommendations as to placement in the program.

A student who was dismissed for an unsatisfactory grade in a nursing course (class and/or clinical) will be asked to discuss the problems that led to dismissal; and actions that have been taken that would enable him/her to reasonably expect success in completing the program, passing the licensing exams, and contributing to the profession of nursing. After a second nursing program failure or withdrawal, a student is not eligible for readmission. Students who were dismissed from the nursing program for unsafe practice are not eligible for re-admittance.

Transfer to the TC ADN Program from Another Nursing Program

Transfer students who have been enrolled in an approved RN level nursing school will be considered for admission on a space available basis. All policies specified by Temple College for accepting transfer students will apply (see the College Catalog, Transfer of Credits, Resolution of Transfer Disputes, and Transfer Students.) Required non-nursing courses will be evaluated for transferability by the Director of Admissions and Records. The student must arrange for all official transcripts to be sent directly to the Admissions and Records office. In addition, if a course description is not readily available in the Admissions and Records office, the student will be responsible for providing a copy of the appropriate course description prior to the final determination. An official copy of all transcripts and course descriptions should also be sent to the ADN Department office.

Required nursing courses will be evaluated for transferability by the ADN Director or designee, in association with the Director of Admission and Records. The student must arrange for an official transcript to be sent directly to the Admissions and Records office. In addition, the student will be responsible for providing a copy of the course description, syllabus, objectives, and an official transcript to the ADN Department. Prior to the final determination, the ADN Director, or designee may request the student to provide further information and may consult with specific faculty regarding the acceptability of potential nursing transfer courses into the Temple College curriculum.

Upon final determination of the transferability of any courses, the ADN Director will approve the curriculum plan to be followed by the transfer student. Any student transferring into the nursing program from another nursing program will enter Temple College ADN program with only one attempt to complete the program.

Prioritization Listing for Readmission and Transfers

Request for readmission or transfer students will be prioritized as follows:

1. First priority: Former Temple College students with a passing grade in previous nursing courses.
2. Second priority: Transfer students with passing grades in previous nursing courses.
3. Third priority: Former Temple College students with a previous nursing course failure.
4. Fourth priority: Transfer students with a previous nursing course failure.

Within each priority group, preference is given based on nursing GPA.

Requirements for Associate of Applied Science Degree Nursing

In order to graduate from Temple College and receive the Associate of Applied Science degree in Nursing, the student must meet the following requirements:

1. Three semester hours of English: ENGL 1301
2. Six semester hours in behavioral sciences: PSYC 2301 and PSYC 2314.
3. Three semester hours in philosophy, language, culture, creative arts from the approved core courses.
4. Eight semester hours of anatomy and physiology: BIOL 2401 and BIOL 2402. Four semester hours of microbiology: BIOL 2420. For any variation from these prescribed requirements to be counted toward graduation, a written statement to this effect, signed by the ADN Director and the Vice President of Educational Services, must be on file in the student's record.
5. Complete the last 18 semester hours of the work toward graduation at Temple College or earn a total of 32 semester hours of TC work applicable toward the degree requirements.
6. Complete the Application for Graduation by deadline date.
7. Complete all prerequisite, corequisite, and nursing courses as identified by the ADN Program.

Degree Requirements

NOTE: Curriculum changes will be implemented for Fall, 2014

Associate of Applied Science Degree (Fall 2014) (ADN Program Traditional)

Prerequisites

- BIOL 2401 - Anatomy and Physiology I **4 credit hours.**
- ENGL 1301 - Composition I **3 credit hours.**
- PSYC 2301 - General Psychology **3 credit hours.**

Total Hours: 10

FIRST YEAR

Fall Semester

- BIOL 2402 - Anatomy and Physiology II **4 credit hours.**
- RNSG 1201 - Pharmacology **2 credit hours.**
- RNSG 1205 - Nursing Skills I **2 credit hours.**
- RNSG 1309 - Introduction to Nursing **3 credit hours.**
- RNSG 1146 - Legal and Ethical Issues for Nurses **1 credit hours.**
- RNSG 1360 - Clinical-Nursing I-Registered Nurse Training **3 credit hours.**

Total Hours: 15

Spring Semester

- BIOL 2420 - Microbiology for Non-Science Majors **4 credit hours.**
- RNSG 1331 - Principles of Clinical Decision-Making **3 credit hours.**
- RNSG 2213 - Mental Health Nursing **2 credit hours.**
- RNSG 1461 - Clinical-Nursing II-Registered Nursing Training **4 credit hours.**

Total Hours: 13

SECOND YEAR

Fall Semester

- PSYC 2314 - Lifespan Growth and Development **3 credit hours.**
- RNSG 1347 - Concepts of Clinical Decision-Making **3 credit hours.**
- RNSG 2201 - Care of Children and Families **2 credit hours.**
- RNSG 2221 - Professional Nursing: Leadership and Management **2 credit hours.**
- RNSG 2460 - Clinical-Nursing IV-Registered Nurse Training **4 credit hours.**

Total Hours: 14

Spring Semester

- Elective: Language, Philosophy & Culture/Creative Arts 3 credit hours
- RNSG 2331 - Advanced Concepts of Adult Health **3 credit hours.**
- RNSG 1251 - Care of the Childbearing Family **2 credit hours.**
- RNSG 2230 - Professional Nursing Review and Licensure Preparation **2 credit hours.**
- RNSG 2461 - Clinical-Nursing V-Registered Nurse Training **4 credit hours.**

Total Hours: 14

Grand Total Hours: 66

+ Comprehensive, end of program Exam – All candidates for graduation will be required to complete the comprehensive, end of program examination requirements prior to graduation from the Associate Degree Nursing Program.

Respiratory Care, AAS

The Respiratory Care Program is accredited by the Commission on Accreditation for Respiratory Care Education (CoARC). The program provides educational experiences and all course work necessary to prepare the student as an advanced respiratory therapist and qualify the graduate for the credentialing exams offered by the National Board for Respiratory Care (NBRC). Students desiring admission into the Respiratory Care Program must first meet the basic entrance requirements for Temple College. They then must file for admission to the Respiratory Care Program.

Program Admission Criteria

I. A completed portfolio should be submitted to the Respiratory Care Department by the third Monday in June. The portfolio should contain the following:
   A. Texas Success Initiative scores - all candidates should have passed all three parts of an assessment test by this time in order to be considered for full enrollment.
   B. Departmental aptitude test: HOBET V, or its successor - all candidates should achieve the minimum passing score established by the department for the test.
   C. Complete a structured tour at Scott & White hospital and turn in the appropriate report form.
   D. Copies of all relevant transcripts: (1) High School, (2) College/University, (3) Military Service schools, (4) other (proprietary schools, etc.)
   E. Two letters of reference.
   F. Complete a series of mandated immunizations, including Hepatitis B (the first two inoculations in the series must be completed by the end of June of the year the student seeks admission into the program).
   G. Complete a physical exam and receive medical clearance to participate in the program.
   H. Special consideration will be given to those prospective students desiring admission who are transferring from military programs and/or those programs accredited by CoARC.

II. Interview with the Respiratory Care selection panel. Candidates will be interviewed separately by at least three different panel members.

III. Letters of notification should be mailed by the close of business on the Friday following the selection process. In the event a candidate is not selected for entry into the program at this time, alternatives will be made available at the candidate's request.

Criminal background checks are required by clinical affiliated healthcare institutions, and it is the responsibility of the student to pay for and have such a background check performed no more than 30 days prior to the beginning of the first clinical course. Drug screenings are also required and may be done for cause at any time by Temple College or any health care facility associated with Temple College. Permission for the criminal background check must be given by the student. Failure to give permission will result in the student being ineligible for admission to the program.

Promotion

Students must maintain a "C" or better course grade in all respiratory care classes in order to continue in the program on schedule. In all other supporting classes the student must maintain at least an overall "C" (2.0) average. Failure to maintain academic requirements may temporarily or permanently discontinue the student's progress in the program. Re-admission to the program is not guaranteed, but depends on the availability of available training slots and resolution of issues related to the non-passing grade at the time the student desires re-entry. Re-admission is also contingent upon review and evaluation of the student's grades, performance and remediation while previously enrolled in the program, as well as work completed since that time. In these circumstances the Department Chairman and Faculty will meet to approve the student's readmission into the program and determine needed course requirements. A grade of "D" in any Respiratory Care course will result in the student having to "Stop Out;" i.e., being dropped from the program until the next year, when the course may be repeated. A particular course may be

repeated only once. If a student is unsuccessful the second time they will be dropped from the program permanently. A student may not make more than two D grades in the entire program without being dropped. A grade of "F" in any respiratory course will result in the student being dropped from the program without recourse to reapply.

Two fees will be assessed by the program. The first, is incurred in the first semester as part of the cost for RSPT 1410 and is $60 for access to DataArc, a clinical tracking software package that tracks student activities throughout the program. Liability insurance for clinical practice is purchased through the College at approximately $28. The cost of this fee is assessed as part of the cost for the first clinical course (RSPT 1360) and covers the student for the rest of the program.

Students must take a comprehensive NBRC-like exit exam as a major curriculum component in order to fully satisfy the requirements for the last clinical course (RSPT 2362). Students will have an additional opportunity to pass the exit examination if they are unsuccessful on the first administration. When all curriculum requirements are satisfied an Associate of Applied Science Degree is awarded. The student then becomes an advanced respiratory therapist graduate and upon applying to the Texas Department of State Health Services is eligible to be credentialed as a Respiratory Care Practitioner (RCP) once the Certified Respiratory Therapist credential is attained. The graduate should expect to take the CRT exam as soon as possible after graduation. This will enable graduates to sit for the two-part Registry Examination for Advanced Respiratory Therapy Practitioners offered by the NBRC. Upon passing both the Written Registry and Clinical Simulation exams the candidate becomes a Registered Respiratory Therapist (RRT). Students are encouraged to become student members of the American Association for Respiratory Care, Texas Society for Respiratory Care, and the Association of Respiratory Care Students (a TC student club.) Each of these organizations will aid the student in becoming more familiar with the field of respiratory care.

PREREQUISITES

- ENGL 1301 - Composition I **3 credit hours.**
- BIOL 2401 - Anatomy and Physiology I **4 credit hours.**
- Elective - Social/Behavioral Science **3 credit hours.**

Total Hours: 10

FIRST YEAR

Fall Semester

- RSPT 1410 - Respiratory Care Procedures I **4 credit hours.**
- RSPT 1307 - Cardiopulmonary Anatomy and Physiology **3 credit hours.**
- RSPT 1201 - Introduction to Respiratory Care **1 credit hours.**
- BIOL 2402 - Anatomy and Physiology II **4 credit hours.**

Total Hours: 13

Spring Semester

- RSPT 2317 - Respiratory Care Pharmacology **3 credit hours.**
- RSPT 1411 - Respiratory Care Procedures II **4 credit hours.**
- RSPT 1360 - Clinical - Respiratory Therapy Technician **3 credit hours.**
- RSPT 2310 - Cardiopulmonary Disease **3 credit hours.**

Total Hours: 13

Summer (12 weeks)

- RSPT 2660 - Clinical - Respiratory Therapy Technician **6 credit hours.**

Total Hours: 6

SECOND YEAR

Fall Semester

- RSPT 2305 - Pulmonary Diagnostics **3 credit hours.**
- RSPT 2414 - Mechanical Ventilation **4 credit hours.**
- RSPT 2353 - Neonatal/pediatric Cardiopulmonary Care **3 credit hours.**
- RSPT 2361 - Clinical - Respiratory Therapy Technician **3 credit hours.**
- ENGL 2311 - Technical and Business Writing **3 credit hours.**

Total Hours: 16

Spring Semester

- RSPT 2239 - Advanced Cardiac Life Support **2 credit hours.**
- RSPT 2230 - Exam Preparation **2 credit hours.**
- RSPT 2425 - Cardiopulmonary Diagnostics **4 credit hours.**
- RSPT 2362 - Clinical - Respiratory Therapy Technician **3 credit hours.**
- Elective - Language, Philosophy & Culture/Creative Arts **3 credit hours.**

Total Hours: 14

GRAND TOTAL HOURS: 72

Level - I Certificate (TSI Waived**)

Administrative Assistant, Level - I Certificate

First Semester

- BMGT 1341 - Business Ethics **3 credit hours.**

- POFT 1301 - Business English **3 credit hours.**
- BCIS 1305 - Business Computer Applications **3 credit hours.**
- POFT 1329 - Beginning Keyboarding **3 credit hours.**
  Choose from Business Electives **3 credit hours.**

Total Hours: 15

Second Semester

- POFT 1313 - Professional Workforce Preparation **3 credit hours.**
- POFT 1309 - Administrative Office Procedures I **3 credit hours.**
- POFT 2312 - Business Correspondence and Communication **3 credit hours.**
- POFT 2301 - Intermediate Keyboarding **3 credit hours.**
  Choose from Finance electives **3 credit hours.**

Total Hours: 15

Grand Total Hours: 30

Suggested Business Electives

- ACNT 1303 - Introduction to Accounting I **3 credit hours.**
- ACNT 1311 - Introduction to Computerized Accounting **3 credit hours.**
- BMGT 1301 - Supervision **3 credit hours.**
- BMGT 1325 - Office Management **3 credit hours.**
- BMGT 1327 - Principles of Management **3 credit hours.**
- BMGT 1382 - Cooperative Education I-Business Administration and Management, General **3 credit hours.**
- BMGT 1383 - Cooperative Education II-Business Administration and Management, General **3 credit hours.**
- BMGT 2303 - Problem Solving and Decision Making **3 credit hours.**
- BMGT 2309 - Leadership **3 credit hours.**
- BMGT 2382 - Cooperative Education III-Business Administration and Management, General **3 credit hours.**
- BUSG 1301 - Introduction to Business **3 credit hours.**
- BUSG 1303 - Principles of Finance **3 credit hours.**
- BUSG 1341 - Small Business Financing **3 credit hours.**
- BUSG 2309 - Small Business Management/Entrepreneurship **3 credit hours.**
- BUSG 2317 - Business Law/Commercial **3 credit hours.**
- BUSI 1301 - Business Principles **3 credit hours.**
- BUSI 1307 - Personal Finance **3 credit hours.**
- BUSI 2301 - Business Law **3 credit hours.**
- BCIS 1301 - Microcomputer Applications **3 credit hours.**
- BCIS 1305 - Business Computer Applications **3 credit hours.**
- HRPO 1311 - Human Relations **3 credit hours.**
- HRPO 2301 - Human Resources Management **3 credit hours.**
- HRPO 2307 - Organizational Behavior **3 credit hours.**
- ITSC 1301 - Introduction to Computers **3 credit hours.**
- ITSC 1309 - Integrated Software Applications I **3 credit hours.**

- MRKG 1301 - Customer Relationship Management **3 credit hours.**
- MRKG 1302 - Principles of Retailing **3 credit hours.**
- MRKG 1311 - Principles of Marketing **3 credit hours.**
- MRKG 1313 - Public Relations **3 credit hours.**
- MRKG 2349 - Advertising and Sales Promotion **3 credit hours.**

Suggested Finance Electives

- ACNT 1303 - Introduction to Accounting I **3 credit hours.**
- ACNT 1311 - Introduction to Computerized Accounting **3 credit hours.**
- BUSG 1303 - Principles of Finance **3 credit hours.**
- BUSG 1341 - Small Business Financing **3 credit hours.**
- BUSI 1307 - Personal Finance **3 credit hours.**

Advanced EMT, Level - I Certificate

Fall Semester

- BIOL 2404 - Anatomy and Physiology **4 credit hours.** *
- EMSP 1501 - Emergency Medical Technician **(5:3-8-0) credit hours.**
- EMSP 1160 - Clinical-Emergency Medical Technology/Technician **(1:0-0-5) credit hours.**

Total Hours: 10

Spring Semester

- EMSP 1438 - Introduction to Advanced Practice **(4:3-2-0) credit hours.**
- EMSP 2348 - Emergency Pharmacology **(3:3-1-0) credit hours.**
- EMSP 1356 - Patient Assessment and Airway Management **(3:2-2-0) credit hours.**
- EMSP 1162 - Clinical-Emergency Medical Technology/Technician **(1:0-0-4) credit hours.**

Total Hours: 11

Summer Semester

- EMSP 1355 - Trauma Management **(3:2-2-0) credit hours.**
- EMSP 1263 - Clinical-Emergency Medical Technology/Technician **(2:0-0-6) credit hours.**

Total Hours: 5

Grand Total Hours: 26

* BIOL 2401 may be substituted for BIOL 2404

** Refer to page 41 for Texas Success Initiative (TSI) information

Child Development Administration, Level - I Certificate

FIRST YEAR

First Semester

- TECA 1311 - Educating Young Children **3 credit hours.** *
- TECA 1354 - Child Growth and Development **3 credit hours.** *
- CDEC 1359 - Children with Special Needs **3 credit hours.**
- CDEC 1321 - The Infant and Toddler **3 credit hours.**
- CDEC 2326 - Administration of Programs for Children I **3 credit hours.**

Total Hours: 15

Second Semester

- TECA 1318 - Wellness of the Young Child **3 credit hours.** *
- CDEC 1413 - Curriculum Resources for Early Childhood Programs **4 credit hours.**
- CDEC 1419 - Child Guidance **4 credit hours.**

- CDEC 2328 - Administration of Programs for Children II **3 credit hours. or**
- HRPO 1311 - Human Relations **3 credit hours.** or
- BMGT 1327 - Principles of Management **3 credit hours.**

- CDEC 2315 - Diverse Cultural/Multilingual Education **3 credit hours.**

Total Hours: 17

Grand Total Hours: 32

* Equivalent CDEC course may be substituted

** Refer to Financial Aid for Texas Success Initiative (TSI) information

Child Development, Level - I Certificate

FIRST YEAR

First Semester

- TECA 1311 - Educating Young Children **3 credit hours.** *
- TECA 1354 - Child Growth and Development **3 credit hours.** *
- CDEC 1356 - Emergent Literacy for Early Childhood **3 credit hours.**
- CDEC 1358 - Creative Arts for Early Childhood **3 credit hours.**
- CDEC 1321 - The Infant and Toddler **3 credit hours.**

Total Hours: 15

Second Semester

- TECA 1318 - Wellness of the Young Child **3 credit hours.** *
- CDEC 1413 - Curriculum Resources for Early Childhood Programs **4 credit hours.**
- CDEC 1419 - Child Guidance **4 credit hours.**
- CDEC 2307 - Math and Science for Early Childhood **3 credit hours.**
- CDEC 2315 - Diverse Cultural/Multilingual Education **3 credit hours.**

Total Hours: 17

Grand Total Hours: 32

*Equivalent CDEC course may be substituted.

** Refer to Financial Aid for Texas Success Initiative (TSI) information

Computer Technology Computer Application Specialist, Level - I Certificate

First Semester

- ITSC 1301 - Introduction to Computers **3 credit hours.** * or
- COSC 1301 - Introduction to Computing **3 credit hours.** or
- BCIS 1305 - Business Computer Applications **3 credit hours.**

- ITSC 1309 - Integrated Software Applications I **3 credit hours.** * or
- BCIS 1301 - Microcomputer Applications **3 credit hours.**

- ITSW 1310 - Introduction to Presentation Graphics Software **3 credit hours.** or
- ARTC 1313 - Digital Publishing I **3 credit hours.**

- ITSW 1301 - Introduction to Word Processing **3 credit hours.**
- ITSW 1304 - Introduction to Spreadsheets **3 credit hours.**
- ITSW 1307 - Introduction to Database **3 credit hours.**

Grand Total Hours: 18

* BCIS or COSC is the preference over the ITSC/ITSE because it transfers more readily to four-year institutions.

** Refer to page 18 for Texas Success Initiative (TSI) information

Computer Technology Computer Applications Technology, Level - I Certificate

FIRST YEAR

First Semester

- ITSC 1301 - Introduction to Computers **3 credit hours.** * or
- COSC 1301 - Introduction to Computing **3 credit hours.** or
- BCIS 1305 - Business Computer Applications **3 credit hours.**

- ITSE 1329 - Programming Logic and Design **3 credit hours.** * or
- COSC 1309 - Logic Design **3 credit hours.**

- ITSC 1309 - Integrated Software Applications I **3 credit hours.** * or
- BCIS 1301 - Microcomputer Applications **3 credit hours.**

- IMED 1316 - Web Design I **3 credit hours.**

- ITSE 1307 - Introduction to C++ Programming **3 credit hours.** * or
- COSC 1336 - Programming Fundamentals I **3 credit hours.**

Total Hours: 15

Second Semester

- ITSW 1301 - Introduction to Word Processing **3 credit hours.**
- ITSC 1305 - Introduction to PC Operating Systems **3 credit hours.**
- ITSC 1315 - Project Management Software **3 credit hours.**

- ITSW 1310 - Introduction to Presentation Graphics Software **3 credit hours.** or

- ARTC 1313 - Digital Publishing I **3 credit hours.**

- ITSW 1304 - Introduction to Spreadsheets **3 credit hours.**
- ITSW 1307 - Introduction to Database **3 credit hours.**

Total Hours: 18

Grand Total Hours: 33

*BCIS or COSC is the preference over the ITSC/ITSE because it transfers more readily to four-year institutions.

** Refer to page 18 for Texas Success Initiative (TSI) information

Computer Technology Computer Software Development, Level - I Certificate

First Semester

- ITSC 1301 - Introduction to Computers **3 credit hours.** or
- COSC 1301 - Introduction to Computing **3 credit hours.** or
- BCIS 1305 - Business Computer Applications **3 credit hours.**

- ITSE 1329 - Programming Logic and Design **3 credit hours.** * or
- COSC 1309 - Logic Design **3 credit hours.**

- ITSE 1307 - Introduction to C++ Programming **3 credit hours.** * or
- COSC 1336 - Programming Fundamentals I **3 credit hours.**

- ITSC 1305 - Introduction to PC Operating Systems **3 credit hours.**
- ITSE 1402 - Computer Programming **4 credit hours.**

Total Hours: 16

Second Semester

- ITSW 1307 - Introduction to Database **3 credit hours.**
- ITSC 1315 - Project Management Software **3 credit hours.**

- ITSE 1331 - Introduction to Visual Basic Programming **3 credit hours.** * or
- BCIS 1331 - Programming in BASIC I **3 credit hours.**

Total Hours: 9

Third Semester

- ITSE 2417 - Java Programming **4 credit hours.** * or
- COSC 2430 - Advanced Structured Languages **4 credit hours.**

Total Hours: 4

GRAND TOTAL HOURS: 29

*BCIS or COSC is the preference over the ITSC/ITSE because it transfers more readily to four-year institutions.
** Refer to page 18 for Texas Success Initiative (TSI) information

Computer Technology Database Specialist, Level - I Certificate

First Semester

- ITSC 1301 - Introduction to Computers **3 credit hours.** * or
- COSC 1301 - Introduction to Computing **3 credit hours.** or
- BCIS 1305 - Business Computer Applications **3 credit hours.**

- ITSC 1309 - Integrated Software Applications I **3 credit hours.** * or
- BCIS 1301 - Microcomputer Applications **3 credit hours.**

- ITSE 1329 - Programming Logic and Design **3 credit hours.** * or
- COSC 1309 - Logic Design **3 credit hours.**

- ITSW 1307 - Introduction to Database **3 credit hours.**

Total Hours: 12

Second Semester

- ITSC 1315 - Project Management Software **3 credit hours.**

- ITSE 1307 - Introduction to C++ Programming **3 credit hours.** * or
- COSC 1336 - Programming Fundamentals I **3 credit hours.**

- ITSW 2337 - Advanced Database **3 credit hours.**
- GISC 1311 - Introduction to Geographic Information Systems (GIS) **3 credit hours.**
- Choose from Information Technology Electives **3 credit hours.**

Total Hours: 15

GRAND TOTAL HOURS: 27

* BCIS or COSC is the preference over the ITSC/ITSE because it transfers more readily to four-year institutions.
** Refer to page 18 for Texas Success Initiative (TSI) information

Suggested Information Technology Electives

- ARTC 1325 - Introduction to Computer Graphics **3 credit hours.**
- IMED 2311 - Portfolio Development **3 credit hours.**
- ITNW 1325 - Fundamentals of Networking Technologies **3 credit hours.**

- ITSW 1310 - Introduction to Presentation Graphics Software **3 credit hours.** or
- ARTC 1313 - Digital Publishing I **3 credit hours.**

- CPMT 2349 - Advanced Computer Networking Technology **3 credit hours.**

Computer Technology Network Administration, Level - I Certificate

First Semester

- ITSC 1301 - Introduction to Computers **3 credit hours.** * or
- COSC 1301 - Introduction to Computing **3 credit hours.** or
- BCIS 1305 - Business Computer Applications **3 credit hours.**

- ITSE 1329 - Programming Logic and Design **3 credit hours.** * or
- COSC 1309 - Logic Design **3 credit hours.**

- CPMT 1311 - Introduction to Computer Maintenance **3 credit hours.**
- ITNW 2321 - Networking with TCP/IP **3 credit hours.**

Total Hours: 12

Second Semester

- ITSE 1307 - Introduction to C++ Programming **3 credit hours.** * or
- COSC 1336 - Programming Fundamentals I **3 credit hours.**

- ITSC 1305 - Introduction to PC Operating Systems **3 credit hours.**
- ITNW 1358 - Network+ **3 credit hours.**
- ITNW 2312 - Routers **3 credit hours.**

Total Hours: 12

Third Semester

- ITSE 1350 - System Analysis and Design **3 credit hours.** * or
- BCIS 2390 - System Analysis & Design **3 credit hours.**

- CPMT 2349 - Advanced Computer Networking Technology **3 credit hours.**
- ITSC 1315 - Project Management Software **3 credit hours.**

Total Hours: 9

Grand Total Hours: 33

*BCIS or COSC is the preference over the ITSC/ITSE because it transfers more readily to four-year institutions.

** Refer to page 41 for Texas Success Initiative (TSI) information.

Computer Technology Repair Technician, Level - I Certificate

First Semester

- ITSC 1301 - Introduction to Computers **3 credit hours.** or
- COSC 1301 - Introduction to Computing **3 credit hours.** or
- BCIS 1305 - Business Computer Applications **3 credit hours.**

- BMGT 1327 - Principles of Management **3 credit hours.**

- ITSE 1329 - Programming Logic and Design **3 credit hours.** * or
- COSC 1309 - Logic Design **3 credit hours.**

- CPMT 1311 - Introduction to Computer Maintenance **3 credit hours.**
- ITSC 1305 - Introduction to PC Operating Systems **3 credit hours.**

Total Hours: 15

Second Semester

- CPMT 1345 - Computer Systems Maintenance **3 credit hours.**
- CPMT 2349 - Advanced Computer Networking Technology **3 credit hours.**
- ITNW 1358 - Network+ **3 credit hours.**
- ITSC 1315 - Project Management Software **3 credit hours.**

Total Hours: 12

Grand Total Hours: 27

*BCIS or COSC is the preference over the ITSC/ITSE because it transfers more readily to four-year institutions.
** Refer to page 18 for Texas Success Initiative (TSI) information

Computer Technology Security, Level - I Certificate

First Semester

- ITSC 1301 - Introduction to Computers **3 credit hours.** * or
- COSC 1301 - Introduction to Computing **3 credit hours.** or
- BCIS 1305 - Business Computer Applications **3 credit hours.**

- ITSY 1300 - Fundamentals of Information Security **3 credit hours.**
- ITSC 1305 - Introduction to PC Operating Systems **3 credit hours.**
- ITNW 1358 - Network+ **3 credit hours.**
- ITSY 1342 - Information Technology Security **3 credit hours.**

Total Hours: 15

Second Semester

- ITSY 2441 - Security Management Practices **4 credit hours.**
- ITSC 1315 - Project Management Software **3 credit hours.**
- CPMT 2349 - Advanced Computer Networking Technology **3 credit hours.**
- ITSY 2301 - Firewalls and Network Security **3 credit hours.**

- ITSE 1307 - Introduction to C++ Programming **3 credit hours.** * or
- COSC 1336 - Programming Fundamentals I **3 credit hours.**

Total Hours: 16

GRAND TOTAL HOURS: 31

*BCIS or COSC is the preference over the ITSC/ITSE because it transfers more readily to four-year institutions.
** Refer to page 18 for Texas Success Initiative (TSI) information

Computer-Aided Design, Level - I Certificate

The Computer-Aided Design Certificate is designed to train experienced and aspiring professionals in various engineering fields to use CAD® software to produce designs, drawings, illustrations, and presentations.

First Semester

- DFTG 1305 - Technical Drafting **3 credit hours.**
- DFTG 1309 - Basic Computer-Aided Drafting **3 credit hours.**
- GISC 1311 - Introduction to Geographic Information Systems (GIS) **3 credit hours.**

- SRVY 1315 - Surveying Calculations **3 credit hours.**
- Elective - Program Related **3 credit hours.***

Total Hours: 15

Second Semester

- DFTG 1358 - Electrical/Electronics Drafting **3 credit hours.**
- DFTG 2302 - Machine Drafting **3 credit hours.**
- DFTG 2319 - Intermediate Computer-Aided Drafting **3 credit hours.**
- DFTG 2321 - Topographical Drafting **3 credit hours.**
- SRVY 1301 - Introduction to Surveying **3 credit hours.**

Total Hours: 15

Grand Total Hours: 30

*Consult with Department Chair on selection of Program Related elective
**Refer to page 41 for Texas Success Initiative (TSI) information

Criminal Justice Certificate, Level - I Certificate

This certificate represents the requirements for TCLEOSE licensure. Only eligible students are submitted to this program. Contact John Briggs at (254)298-8346 for information.

Requirements

- CJLE 2468 - Practicum (or Field Experience) - Criminal Justice/Police Science **4 credit hours.**
- CJLE 2520 - Texas Peace Officer Law **5 credit hours.**
- CJLE 2521 - Texas Peace Officer Procedure **5 credit hours.**
- CJLE 2522 - Texas Peace Officer Skills **5 credit hours.**

Total Hours: 19

Geographic Information Systems, Level - I Certificate

First Semester

- GISC 1301 - Cartography and Geography in Geographical Information Systems (GIS) and Global Positioning System (GPS) **3 credit hours.**

- GISC 1311 - Introduction to Geographic Information Systems (GIS) **3 credit hours.**

- GEOG 1300 - Principles of Geography **3 credit hours.** or
- Geography Elective

- DFTG 1309 - Basic Computer-Aided Drafting **3 credit hours.**
- Elective - Program Related **3 credit hours.**

Total Hours: 15

Second Semester

- GISC 2301 - Data Acquisition & Analysis in Geographic Information Systems (GIS) **3 credit hours.**
- GISC 2311 - Geographic Information Systems (GIS) Applications **3 credit hours.**
- SRVY 1301 - Introduction to Surveying **3 credit hours.**
- ITSW 1307 - Introduction to Database **3 credit hours.**
- Elective - Program Related **3 credit hours.**

Total Hours: 15

Grand Total Hours: 30

Program Related Electives

- GISC 1321 - Introduction to Raster-Based Geographic Information Systems (GIS) **3 credit hours.**
- GISC 1391 - Special Topics in Cartography (GIS) **3 credit hours.**
- GISC 2320 - Intermediate Geographic Information Systems (GIS) **3 credit hours.**
- DFTG 2330 - Civil Drafting **3 credit hours.**
- IMED 1316 - Web Design I **3 credit hours.**
- IMED 2315 - Web Design II **3 credit hours.**
- ITSC 1315 - Project Management Software **3 credit hours.**
- ITSE 1311 - Beginning Web Programming **3 credit hours.** **
- ITSE 1329 - Programming Logic and Design **3 credit hours.** **
- ITSE 1331 - Introduction to Visual Basic Programming **3 credit hours.**
- ITSW 1310 - Introduction to Presentation Graphics Software **3 credit hours.**
- SRVY 1309 - Surveying Measurement **3 credit hours.**
- SRVY 1315 - Surveying Calculations **3 credit hours.**

Note(s):

** Equivalent BCIS or COSC course may be substituted if the person has taken the college entrance test. BCIS or COSC is the preference over ITSE because it transfers more easily to four-year institutions.

Many courses have competency prerequisites that are identified as R, reading intensive: W, writing intensive, and M, math intensive.

Management Certificate, Level - I Certificate

First Semester

- BMGT 1341 - Business Ethics **3 credit hours.**

- BUSG 1301 - Introduction to Business **3 credit hours.** or
- BUSI 1301 - Business Principles **3 credit hours.**

- Choose from Human Resource Electives **3 credit hours.**
- Choose from Marketing Electives **3 credit hours.**
- Choose from Business Electives **3 credit hours.**

Total Hours: 15

Second Semester

- BMGT 1301 - Supervision **3 credit hours.**
- BMGT 1327 - Principles of Management **3 credit hours.**
- BMGT 2309 - Leadership **3 credit hours.**
- Choose from Business Electives **3 credit hours.**
- Choose from Finance Electives **3 credit hours.**

Total Hours: 15

Grand Total Hours: 30

Note(s):

* BUSI is the preference over BUSG because it transfers more readily to four-year institutions.

**BCIS is the preference over ITSC because it transfers more readily to four-year institutions.

** Refer to Financial Aid for Texas Success Initiative (TSI) information

Suggested Business Electives

- ACNT 1303 - Introduction to Accounting I **3 credit hours.**
- ACNT 1311 - Introduction to Computerized Accounting **3 credit hours.**
- BMGT 1325 - Office Management **3 credit hours.**
- BMGT 1382 - Cooperative Education I-Business Administration and Management, General **3 credit hours.**
- BMGT 1383 - Cooperative Education II-Business Administration and Management, General **3 credit hours.**
- BMGT 2303 - Problem Solving and Decision Making **3 credit hours.**
- BMGT 2382 - Cooperative Education III-Business Administration and Management, General **3 credit hours.**
- BUSG 1303 - Principles of Finance **3 credit hours.**

- BUSG 1341 - Small Business Financing **3 credit hours.**
- BUSG 2309 - Small Business Management/Entrepreneurship **3 credit hours.**
- BUSG 2317 - Business Law/Commercial **3 credit hours.**
- BUSI 2301 - Business Law **3 credit hours.**
- BUSI 1307 - Personal Finance **3 credit hours.**

- BCIS 1301 - Microcomputer Applications **3 credit hours. * or**
- ITSC 1309 - Integrated Software Applications I **3 credit hours.**

- BCIS 1305 - Business Computer Applications **3 credit hours. * or**
- COSC 1301 - Introduction to Computing **3 credit hours. or**
- ITSC 1301 - Introduction to Computers **3 credit hours.**

- HRPO 1311 - Human Relations **3 credit hours.**
- HRPO 2301 - Human Resources Management **3 credit hours.**
- HRPO 2307 - Organizational Behavior **3 credit hours.**
- MRKG 1301 - Customer Relationship Management **3 credit hours.**
- MRKG 1302 - Principles of Retailing **3 credit hours.**
- MRKG 1311 - Principles of Marketing **3 credit hours.**
- MRKG 1313 - Public Relations **3 credit hours.**
- MRKG 2349 - Advertising and Sales Promotion **3 credit hours.**
- POFT 1301 - Business English **3 credit hours.**
- POFT 1309 - Administrative Office Procedures I **3 credit hours.**
- POFT 1313 - Professional Workforce Preparation **3 credit hours.**
- POFT 1329 - Beginning Keyboarding **3 credit hours.**
- POFT 2301 - Intermediate Keyboarding **3 credit hours.**
- POFT 2312 - Business Correspondence and Communication **3 credit hours.**

Suggested Human Resource Electives

- HRPO 1311 - Human Relations **3 credit hours.**
- HRPO 2301 - Human Resources Management **3 credit hours.**
- HRPO 2307 - Organizational Behavior **3 credit hours.**
- BMGT 1325 - Office Management **3 credit hours.**

Suggested Marketing Electives

- MRKG 1301 - Customer Relationship Management **3 credit hours.**
- MRKG 1302 - Principles of Retailing **3 credit hours.**
- MRKG 1311 - Principles of Marketing **3 credit hours.**
- MRKG 1313 - Public Relations **3 credit hours.**
- MRKG 2349 - Advertising and Sales Promotion **3 credit hours.**

Suggested Finance Electives

Suggested Finance Electives

- ACNT 1303 - Introduction to Accounting I **3 credit hours.**
- ACNT 1311 - Introduction to Computerized Accounting **3 credit hours.**
- BUSG 1303 - Principles of Finance **3 credit hours.**
- BUSG 1341 - Small Business Financing **3 credit hours.**
- BUSI 1307 - Personal Finance **3 credit hours.**

Office Management, Level - I Certificate

Level - I Certificate (TSI Waived**)

First Semester

- BMGT 1341 - Business Ethics **3 credit hours.**
- Choose from Human Resource Electives **3 credit hours.**
- Choose from Finance Electives **3 credit hours.**
- Choose from Business Electives **3 credit hours.**
- Choose from Business Electives **3 credit hours.**

Total Hours: 15

Second Semester

- BMGT 1301 - Supervision **3 credit hours.**
- BMGT 1327 - Principles of Management **3 credit hours.**
- BMGT 1325 - Office Management **3 credit hours.**
- Choose from Marketing Electives **3 credit hours.**
- Choose from Business Electives **3 credit hours.**

Total Hours: 15

Grand Total Hours: 30

Note(s):

*BUSI is the preference over BUSG because it transfers more readily to four-year institutions.
** Refer to Financial Aid for Texas Success Initiative (TSI) information.

Suggested Business Electives

- ACNT 1303 - Introduction to Accounting I **3 credit hours.**
- ACNT 1311 - Introduction to Computerized Accounting **3 credit hours.**
- BMGT 1382 - Cooperative Education I-Business Administration and Management, General **3 credit hours.**
- BMGT 1383 - Cooperative Education II-Business Administration and Management, General **3 credit hours.**
- BMGT 2303 - Problem Solving and Decision Making **3 credit hours.**
- BMGT 2309 - Leadership **3 credit hours.**
- BMGT 2382 - Cooperative Education III-Business Administration and Management, General **3 credit hours.**

- BUSG 1301 - Introduction to Business **3 credit hours. * or**
- BUSI 1301 - Business Principles **3 credit hours.**

- BUSG 1303 - Principles of Finance **3 credit hours.**
- BUSG 1341 - Small Business Financing **3 credit hours.**
- BUSG 2309 - Small Business Management/Entrepreneurship **3 credit hours.**
- BUSG 2317 - Business Law/Commercial **3 credit hours.**
- BUSI 1307 - Personal Finance **3 credit hours.**
- BUSI 2301 - Business Law **3 credit hours.**

- BCIS 1301 - Microcomputer Applications **3 credit hours. * or**
- ITSC 1309 - Integrated Software Applications I **3 credit hours.**

- BCIS 1305 - Business Computer Applications **3 credit hours. * or**
- COSC 1301 - Introduction to Computing **3 credit hours. or**
- ITSC 1301 - Introduction to Computers **3 credit hours.**

- HRPO 1311 - Human Relations **3 credit hours.**
- HRPO 2301 - Human Resources Management **3 credit hours.**
- HRPO 2307 - Organizational Behavior **3 credit hours.**
- MRKG 1301 - Customer Relationship Management **3 credit hours.**
- MRKG 1302 - Principles of Retailing **3 credit hours.**
- MRKG 1311 - Principles of Marketing **3 credit hours.**
- MRKG 1313 - Public Relations **3 credit hours.**
- MRKG 2349 - Advertising and Sales Promotion **3 credit hours.**
- POFT 1301 - Business English **3 credit hours.**
- POFT 1309 - Administrative Office Procedures I **3 credit hours.**
- POFT 1313 - Professional Workforce Preparation **3 credit hours.**
- POFT 1329 - Beginning Keyboarding **3 credit hours.**
- POFT 2301 - Intermediate Keyboarding **3 credit hours.**
- POFT 2312 - Business Correspondence and Communication **3 credit hours.**

Suggested Marketing Electives

- MRKG 1301 - Customer Relationship Management **3 credit hours.**
- MRKG 1302 - Principles of Retailing **3 credit hours.**
- MRKG 1311 - Principles of Marketing **3 credit hours.**
- MRKG 1313 - Public Relations **3 credit hours.**
- MRKG 2349 - Advertising and Sales Promotion **3 credit hours.**

Suggested Human Resource Electives

- HRPO 1311 - Human Relations **3 credit hours.**
- HRPO 2301 - Human Resources Management **3 credit hours.**
- HRPO 2307 - Organizational Behavior **3 credit hours.**
- BMGT 2309 - Leadership **3 credit hours.**

Suggested Finance Electives

- ACNT 1303 - Introduction to Accounting I **3 credit hours.**
- ACNT 1311 - Introduction to Computerized Accounting **3 credit hours.**
- BUSG 1303 - Principles of Finance **3 credit hours.**
- BUSG 1341 - Small Business Financing **3 credit hours.**
- BUSI 1307 - Personal Finance **3 credit hours.**

Small Business Management, Level - I Certificate

First Semester

- BUSG 1341 - Small Business Financing **3 credit hours.**
- Choose from Business Electives **3 credit hours.**
- Choose from Finance Electives **3 credit hours.**
- Choose from Human Resource Electives **3 credit hours.**
- Choose from Marketing Electives **3 credit hours.**

Total Hours: 15

Second Semester

- BUSG 2309 - Small Business Management/Entrepreneurship **3 credit hours.**
- BMGT 1341 - Business Ethics **3 credit hours.**
- Choose from Business Electives **3 credit hours.**
- Choose from Human Resource Electives **3 credit hours.**
- Choose from Marketing Electives **3 credit hours.**

Total Hours: 15

Grand Total Hours: 30

Note(s):

* BUSI is the preference over BUSG because it transfers more readily to four-year institutions.
** Refer to Financial Aid for Texas Success Initiative (TSI) information

Suggested Business Electives

- ACNT 1303 - Introduction to Accounting I **3 credit hours.**
- ACNT 1311 - Introduction to Computerized Accounting **3 credit hours.**

- BCIS 1301 - Microcomputer Applications **3 credit hours. * or**
- ITSC 1309 - Integrated Software Applications I **3 credit hours.**

- BCIS 1305 - Business Computer Applications **3 credit hours. * or**
- COSC 1301 - Introduction to Computing **3 credit hours. * or**
- ITSC 1301 - Introduction to Computers **3 credit hours.**

- BMGT 1301 - Supervision **3 credit hours.**
- BMGT 1305 - Communications in Management **3 credit hours.**
- BMGT 1325 - Office Management **3 credit hours.**
- BMGT 1327 - Principles of Management **3 credit hours.**
- BMGT 1382 - Cooperative Education I-Business Administration and Management, General **3 credit hours.**
- BMGT 1383 - Cooperative Education II-Business Administration and Management, General **3 credit hours.**
- BMGT 2303 - Problem Solving and Decision Making **3 credit hours.**
- BMGT 2309 - Leadership **3 credit hours.**
- BMGT 2341 - Strategic Management **3 credit hours.**
- BMGT 2382 - Cooperative Education III-Business Administration and Management, General **3 credit hours.**

- BUSG 1301 - Introduction to Business **3 credit hours. * or**
- BUSI 1301 - Business Principles **3 credit hours.**

- BUSG 1303 - Principles of Finance **3 credit hours.**
- BUSG 2317 - Business Law/Commercial **3 credit hours.**
- BUSI 1307 - Personal Finance **3 credit hours.**
- HRPO 1311 - Human Relations **3 credit hours.**
- HRPO 2301 - Human Resources Management **3 credit hours.**
- HRPO 2307 - Organizational Behavior **3 credit hours.**
- MRKG 1301 - Customer Relationship Management **3 credit hours.**
- MRKG 1302 - Principles of Retailing **3 credit hours.**
- MRKG 1311 - Principles of Marketing **3 credit hours.**
- MRKG 1313 - Public Relations **3 credit hours.**
- MRKG 2349 - Advertising and Sales Promotion **3 credit hours.**
- POFT 1301 - Business English **3 credit hours.**
- POFT 1309 - Administrative Office Procedures I **3 credit hours.**
- POFT 1313 - Professional Workforce Preparation **3 credit hours.**

- POFT 1329 - Beginning Keyboarding **3 credit hours.**
- POFT 2301 - Intermediate Keyboarding **3 credit hours.**
- POFT 2312 - Business Correspondence and Communication **3 credit hours.**

Suggested Finance Electives

- ACNT 1303 - Introduction to Accounting I **3 credit hours.**
- ACNT 1311 - Introduction to Computerized Accounting **3 credit hours.**
- BUSG 1303 - Principles of Finance **3 credit hours.**
- BUSI 1307 - Personal Finance **3 credit hours.**

Suggested Human Resource Electives

- HRPO 1311 - Human Relations **3 credit hours.**
- HRPO 2301 - Human Resources Management **3 credit hours.**
- HRPO 2307 - Organizational Behavior **3 credit hours.**
- BMGT 1301 - Supervision **3 credit hours.**
- BMGT 2309 - Leadership **3 credit hours.**
- BMGT 1325 - Office Management **3 credit hours.**

Suggested Marketing Electives

- MRKG 1301 - Customer Relationship Management **3 credit hours.**
- MRKG 1302 - Principles of Retailing **3 credit hours.**
- MRKG 1311 - Principles of Marketing **3 credit hours.**
- MRKG 1313 - Public Relations **3 credit hours.**
- MRKG 2349 - Advertising and Sales Promotion **3 credit hours.**

Surgical Technology, Level - I Certificate

The Surgical Technology Program is accredited by the Commission Accreditation of Allied Health Programs (CAAHEP) 1361 Park Street Clearwater, FL 33756. The one-year (full-time) Surgical Technology Program provides technical and educational experiences that prepare the graduate for the position as a surgical technologist in the operating room and to meet the eligible criteria to write the national certification examination sponsored by the National Board of Surgical Technology and Surgical Assisting. New classes begin in the summer semester of each year. Applications are processed prior to the actual beginning of the surgical technology program. Admission to the program is based upon completion of all requirements as listed below with student selection according to the HOBET V reading and math scores; co requisite class progress (BIOL 2404 & HITT 1305); and interview.

Criminal background history checks and Drug Screening are required before entry into the clinical sites. Drug testing may be administered at any time by Temple College or any health care facility associated with Temple College. The criminal background history check and Drug Screening will be at the expense of the student. Failure to meet the criminal background and drug

screening requirements of the clinical sites will result in dismissal from the program.

Students desiring admission to the Surgical Technology Program must complete the following:

1. Complete the Temple College admission procedure.
2. Attend Surgical Technology Information Session (call department for dates and time).
3. Pass the HOBET V pre-entrance examination with established departmental minimum scores.
4. Submit a formal application to the program.

Uniforms in the classroom will consist of a Caribbean blue scrub suit with name badge, white knee-length lab coat with attached ST patch, and professional shoes. A list of anticipated expenditures is provided at the Information Session.

Students will be required to meet the criminal background requirements and submit a physical examination, including all immunizations, complete Hepatitis B series and medical-mandated tests, with medical clearance by a physician to gain entrance to clinical setting and provide patient care as well as possess an up to date CPR Certification for Health Care Providers.

Requirements for graduation include:

1. Complete all Surgical Technology curriculum courses with a grade of "C" or better.
2. Pass the Surgical Technology Exit Examination with grade of "C" or better)
3. Complete program required clinical competencies.
4. Present a current "Health Care Provider" or "Professional Rescuer CPR" certificate.
5. Sit for the Association of Surgical Technology National Certification Examination.

Work Policy Statement - All student activities associated with the curriculum especially while students are completing his or her clinical rotations will be educational in nature. Students will not receive monetary remuneration during this educational experience, nor will he/she be substituted for hired staff personnel with the clinical institution, in the capacity of a surgical technologist. Students are provided opportunity to join the Association of Surgical Technologists, Inc. Additional information concerning a career as a surgical technologist is available at www.ast.org.

Summer Entry

First Semester

- BIOL 2404 - Anatomy and Physiology **4 credit hours.**
- HITT 1305 - Medical Terminology I **3 credit hours.**
- SRGT 1509 - Fundamentals of Perioperative Concepts and Techniques **(5:3-6-0) credit hours.**

Total Hours: 12

Second Semester (Fall Semester)

16 Weeks

- SRGT 1505 - Introduction to Surgical Technology **(5:5-0-0) credit hours.**
- SRGT 1541 - Surgical Procedures I **(5:5-0-0) credit hours.**
- SRGT 1560 - Clinical – Surgical Technology/Technologist, Introductory **(5 credit hours.**

Total Hours: 15

Third Semester (Spring Semester)

First 8 Weeks

- SRGT 1542 - Surgical Procedures II **(5:5-0-0) credit hours.**
- SRGT 1361 - Clinical – Surgical Technology/Technologist, Intermediate **(3:0-0-11) credit hours.**

Second 8 Weeks

- SRGT 1462 - Clinical – Surgical Technology/Technologist, Advanced **(4:0-0-13) credit hours.**
- SRGT 2130 - Professional Readiness **(1:1-0-0) credit hours.**

Total Hours: 13

TOTAL PROGRAM HOURS: 40

* Refer to page 41 for Texas Success Initiative (TSI) information

Level II - Certificate of Completion (TSI Required)

Computer Technology Web Technology, Level - II Certificate

FIRST YEAR

First Semester

- BCIS 1305 - Business Computer Applications **3 credit hours. * or**
- COSC 1301 - Introduction to Computing **3 credit hours.** or
- ITSC 1301 - Introduction to Computers **3 credit hours.**

- ITSE 1329 - Programming Logic and Design **3 credit hours.** * or
- COSC 1309 - Logic Design **3 credit hours.**

- ITSC 1305 - Introduction to PC Operating Systems **3 credit hours.**
- ITSW 1310 - Introduction to Presentation Graphics Software **3 credit hours.**
- IMED 1316 - Web Design I **3 credit hours.**

Total Hours: 15

Second Semester

- ARTS 2348 - Digital Art I **3 credit hours.** or
- ARTS 2313 - Design Communications I-Illustrator **3 credit hours.** or
- ARTS 2314 - Design Communications II-Photoshop **3 credit hours.**

- IMED 2315 - Web Design II **3 credit hours.**

- ITSE 1307 - Introduction to C++ Programming **3 credit hours.** * or
- COSC 1336 - Programming Fundamentals I **3 credit hours.**

- CPMT 2349 - Advanced Computer Networking Technology **3 credit hours.**

Total Hours: 12

Third Semester

- ITSE 2417 - Java Programming **4 credit hours.** * or
- COSC 2430 - Advanced Structured Languages **4 credit hours.**

Total Hours: 4

SECOND YEAR

Fourth Semester

- ITSE 1350 - System Analysis and Design **3 credit hours.** * or
- BCIS 2390 - System Analysis & Design **3 credit hours.**

- IMED 2309 - Internet Commerce **3 credit hours.**
- ARTC 1313 - Digital Publishing I **3 credit hours.**
- ITSW 1307 - Introduction to Database **3 credit hours.**

Total Hours: 12

Grand Total Hours: 43

*BCIS or COSC is the preference over the ITSC/ITSE because it transfers more readily to four-year institutions.

** Refer to page 41 for Texas Success Initiative (TSI) information.

Paramedic, Level II - Certificate of Completion

Prerequisite

- BIOL 2404 - Anatomy and Physiology **4 credit hours.** *

Total Hours: 4

First Semester

- EMSP 1438 - Introduction to Advanced Practice **(4:3-2-0) credit hours.**
- EMSP 2348 - Emergency Pharmacology **(3:3-1-0) credit hours.**
- EMSP 1356 - Patient Assessment and Airway Management **(3:2-2-0) credit hours.**
- EMSP 1162 - Clinical-Emergency Medical Technology/Technician **(1:0-0-4) credit hours.**

Total Hours: 11

Second Semester

- EMSP 1355 - Trauma Management **(3:2-2-0) credit hours.**
- EMSP 1263 - Clinical-Emergency Medical Technology/Technician **(2:0-0-6) credit hours.**
- EMSP 2544 - Cardiology **(5:4-4-0) credit hours.**

Total Hours: 10

Third Semester

- EMSP 2434 - Medical Emergencies **(4:4-3-0) credit hours.**
- EMSP 2430 - Special Populations **(4:3-2-0) credit hours.**
- EMSP 2260 - Clinical - Emergency Medical EMT Paramedic **(2:0-0-8) credit hours.**

Total Hours: 10

Fourth Semester

- EMSP 2143 - Assessment Based Management **(1:0-3-0) credit hours.**
- EMSP 2338 - EMS Operations **(3:2-2-0) credit hours.**
- EMSP 2135 - Advanced Cardiac Life Support **(1:1-0-0) credit hours.**
- EMSP 1149 - Pre-Hospital Trauma Life Support **(1:1-0-0) credit hours.**
- EMSP 2460 - Clinical-emergency Medical EMT Paramedic **(4:0-0-14) credit hours.**

- EMSP 1147 - Pediatric Life Support **(1:1-0-0) credit hours.**

Total Hours: 11

Grand Total Hours: 46

* BIOL 2401 may be substituted for BIOL 2404

Vocational Nursing Certificate (TSI Waived*)

Vocational Nursing Certificate

This one-year Vocational Nursing (VN) program is designed to prepare students with the experience and education to function in a variety of health care settings under the supervision of a registered nurse. Upon successful completion of the program, a certificate is awarded by Temple College, and allows graduates to apply to take the state licensing examination for vocational nursing. Completion of the VN program does not guarantee admittance to the vocational nursing licensure examination. Graduates will be required to answer questions about their drug, alcohol, psychiatric, and/or conviction history for determination of eligibility to take the licensing examination for vocational nursing. Further information is available in the office of the VN department.

Philosophy

The philosophy of the Temple College Vocational Nursing program reflects the beliefs of the faculty and provides the foundation for the nursing program. The philosophy of the program complements the institution's mission statement by providing quality education to prepare VN graduates who are capable of entry-level employment in the diverse community served by Temple College. The purpose of the VN program is to provide assistance in supplying the Central Texas area with qualified vocational nurses who are prepared to take the National Council Licensure Examination to become licensed vocational nurses.

The Vocational Nursing Faculty supports the following beliefs:

Individual - Each individual is recognized as a holistic being with physical, psychological, socio-cultural and spiritual dimensions which are interrelated to create a whole. Individuals continuously adapt to an ever changing environment while experiencing varying degrees of health throughout the lifespan. Therefore, each person has the right to make positive lifestyle choices for his/her health to maintain optimum quality of life. These lifestyle choices must focus on meeting the basic needs that are essential to life and progress toward self-actualization. Each individual has the right and responsibility to be given treatment in a caring manner and to be actively involved in planning this care to meet their individual needs.

Society - A society is formed by the networking of individuals, families, and communities. Each person brings to this group their own perceptions, values, attitudes, skills and knowledge. In a society that is dynamic and culturally diverse, everyone benefits when individuals work together to form common goals that meet the needs of all members.

Nursing - Nursing synthesizes knowledge from both the arts and the sciences to form the theoretical base for the profession. It combines the art of caring and nurturing with scientific principles and skills in providing preventative, therapeutic, and rehabilitative care for individuals and families. The nursing process is used as a basis for providing a systematic decision making approach in providing holistic care to clients in various stages of the life cycle. As nurses increase their levels of expertise, they demonstrate competency in the roles of provider of care, coordinator of care, and member of a profession according to their levels of responsibility.

Vocational nursing - The vocational nurse is an integral component of the health care team. Each nurse provides direct basic care for multiple clients in structured settings and assists in the coordination of care in collaboration with other health care professionals. These nurses recognize the role of nursing research in improving client care. Vocational nurses are accountable for their own actions and must provide a standard of practice that is within legal and ethical parameters. Each nurse must seek opportunities that promote personal and professional growth.

The Teaching-Learning process - Learning is defined as an interactive process demonstrated as a partnership that fosters professional growth. The teaching-learning process must be individualized and collaborative. The faculty must provide a curriculum that is continuously evaluated to meet the ever changing educational and technological needs of society. Faculty members must inspire excellence as they serve as role models and facilitators in providing learning experiences that target the learner's needs. The student must demonstrate responsibility for learning by actively participating in the learning process. Learning experiences proceed on a continuum from simple to complex.

Nursing education - All nursing education consists of nursing theory principles integrated with clinical experiences in varied health care settings. Nursing education empowers students to problem solve and use critical thinking skills to seek solutions to problems. Students from diverse cultural and educational backgrounds must be provided opportunities to develop the knowledge, attitudes, and skills necessary to become competent, caring, and legal-ethical members of the health care team. Quality nursing education must be provided in an environment conducive to helping students achieve their personal and professional goals.

Education as a Lifelong Process - Education is a process that enhances one's knowledge by building on experiences and skills. Therefore, the basic blocks for learning must be formed into a strong foundation so that learning can continue as a lifelong process. As each person acquires skills, knowledge, and legal-ethical growth, their educational goals may be attained for the present, but new ones should be formed for the future. Each person must learn to evaluate their need for continuing education to maintain a lifelong accountability in their educational journey.

Application to the VN Program

Students applying to the Vocational Nursing program must meet the following requirements:

1. Complete the Temple College admission procedure.
2. Complete the application procedure for the VN Department:
    - Schedule to take the nursing admission assessment test. This test score is valid for one year.
      This nursing admission assessment test is given in September through November for the class beginning the following summer. Check with the Vocational Nursing Office for specific testing dates. Study guides for the nursing admission assessment test are available in the Temple College bookstore. The test is given in the Testing Center, located in One College Centre and at the Hutto Campus. A minimum composite score of 80 is required on the admission assessment test in order to file an application.
    - Complete an application from the VN Department after taking the Admission Assessment test.
    - If you have college credits that apply toward the VN curriculum, you must furnish official transcripts to the VN office of all course work from these colleges or universities. Biological Science courses must have been taken within the past ten years.

- If you do not have college course work that applies to the VN curriculum, you must furnish evidence of an official high school transcript to the VN office showing evidence of graduation or an official General Education Development Equivalency certificate.

3. After satisfactory completion of the above application process, individuals will be notified by letter of whether or not they were conditionally accepted into the program.
4. If conditional acceptance to the VN program, the following requirements must be completed:

    - A satisfactory criminal background history check (specific instructions will be given). The background check process will be conducted In accordance with Texas Board of Nursing regulations. Students must successfully complete the background check prior to registration and beginning Vocational Nursing classes. Any healthcare facility associated with Temple College may also require criminal background history checks. Permission to perform the criminal background history check must be given by the student. Failure to give permission could result in dismissal from the program. It may be necessary to dismiss students from a program if they are barred from practicing at any healthcare facility. Future employment and licensing may be affected by the results of a criminal background history check.
    - Current physical examination (within six months prior to beginning the nursing program) verifying good physical and mental health with required immunizations. Note: Students shall receive a complete series of Hepatitis B vaccine prior to the start of direct patient care.
    - Written documentation of successful completion of a CPR course designed for health care providers (e.g., Basic Cardiac Life Support for Health Care Providers from American Heart Association). No student will be permitted in the clinical setting without current documentation on file (must remain current throughout the VN program).
    - A urine drug screen in accordance with instructions provided by VN office.
5. In the event the application is rejected, the applicant may request a meeting with the VN Director. Such a request is submitted in writing and includes reasons why the application should be reviewed.
6. All nursing students will be required to purchase professional liability insurance at the time of registration. Additional expenses incurred as part of the program are the responsibility of the student.

Note: Admission to Temple College does not constitute automatic acceptance into the nursing program. Admission to the nursing program is determined during the early spring for the summer semester. In the case of competitive admissions, requirements over and above the minimum may be necessary. Applications will not be processed if any of the stated admission requirements are missing or incomplete.

Students seeking admission to the VN program are admitted to the program on the basis of the following criteria, with maximum point totals awarded as indicated:

- Admission Assessment test scores (minimum of 80 composite score required) (Up to 6 points)
- Completion of these courses prior to or during the fall semester of the application period: (up to 2 points)
    1. BIOL 2404: Intro to Anatomy and Physiology (1 point)
    2. ITSE 1294: Special Topics in Computer Science (1 point)
- Temple College Service Area Residency Status (1 point)

One point will be deducted from an applicant's point total if the applicant has failed any nursing course in another vocational nursing program.

Promotion

Once a student is accepted into and begins the VN curriculum, it is expected that the student will continue to progress directly to the next semester's courses. In order to do this, the student must:

1. Have completed all previously required courses with a "C" grade (2.0 based on a 4.0 scale) or better;
2. Maintain good academic standing (see the College catalog, Minimum Academic standards, Scholastic Probation, & Scholastic Suspension policies);
3. Meet all general Temple College requirements (be approved for registration).

4. Failure in any required nursing course indicates the possibility of failure on the board exam.
   Therefore, after a second nursing program failure or withdrawal for any reason, a student may not reapply.

In all nursing courses, the following grading scale will be used.

Numerical Value	Letter Grade	Points
100-93	A	4.0
92-85	B	3.0
84-75	C	2.0
Below 75	F	0

The minimum passing grade in each nursing course is a "C" or 2.0 on the 4.0 scale. Further grading criteria can be found in each course outline.

Readmission

Eligible students may apply for readmission to the VN program following their withdrawal or dismissal by submitting a new application to the VN Program office. Applicants will be required to complete a readmission assessment in order to be considered for acceptance into the nursing program. The readmission assessment may include performance of clinical skills that would be expected at the level of entry of the returning student as well as past academic achievement. If the faculty feels that a student is not at the clinical skill level that is expected, the student may be required to repeat the clinical component for that particular semester. Students will be evaluated on a point system that will consider completed courses, clinical performance, and probationary status. Students requesting readmission who have successfully completed any nursing courses more than two years prior to the request will be required to repeat the admission process and re-enroll in all nursing program courses. The time from first VNSG classes until successful graduation from the program cannot extend beyond two years. All policies specified by Temple College for readmitting students will apply (see the College catalog section on readmission under the Application for Admission policy). Applicants being readmitted to the first semester of nursing courses will be considered using the same criteria as new applicants. Applicants being considered for readmission to other semesters will be considered on a space available basis by the VN Director. The VN Director will review the applicant's record and make the recommendations as to placement in the program. A student who was dismissed for an unsatisfactory grade in a nursing course (class and/or clinical) will be asked to discuss the problems that led to dismissal and actions that have been taken that would enable him/her to reasonably expect success in completing the program, passing the licensing exam, and contributing to the profession of nursing. After a second nursing program failure or withdrawal, a student is not eligible for readmission. Students who were dismissed for unsafe practice cannot be readmitted to the program. If a student fails more than one course in the fall or spring, the student will be required to retake all courses for that semester, including the clinical component.

Students who were dismissed for behavioral issues are not eligible for readmission to the program.

Transfer to the TC VN Program from Another Nursing Program

Transfer students who have been enrolled in an approved VN level nursing school will be considered by the Department Chairman for admission on a space available basis. Applicants will be required to complete an admission assessment test in order to be considered for transfer into the TC Vocational nursing program. Also, all policies specified by Temple College for accepting transfer students will apply (see the College catalog section on transfer students under Application for Admission and Academic Honors and Standards policies).

Required non-nursing courses will be evaluated for transferability by the Division Director of Student Enrollment Services and the VN Department Chairman. The student must arrange for all official transcripts to be sent directly to the Admissions and Records office for any non-nursing course they wish to have considered for transfer. In addition, if a course description is not readily available in the Admissions and Records office, the student will be responsible for providing a copy of the appropriate course description prior to the final determination. An official copy of the transcript and course description should also be sent to the VN Department office. Required nursing courses will be evaluated for transferability by the VN Director, in association with the Division Director of Student Enrollment Services. The student must arrange for an official transcript to be sent directly to the

Admissions and Records office. In addition, the student will be responsible for providing a copy of the course description, syllabus, objectives, and an official transcript to the VN Director. Nursing courses in consideration for transfer from other programs must have been completed within two years of the request for transfer. The time from first transferred VNSG classes until successful graduation from the TC program cannot extend beyond two years. Prior to the final determination, the VN Director may request the student to provide further information and may consult with specific faculty regarding the acceptability of potential nursing transfer courses into the Temple College curriculum.

Upon final determination of the transferability of any courses, the VN Director will approve the curriculum plan to be followed by the transfer student. Any student transferring into the nursing program from another nursing program will enter Temple College VN program with only one attempt to complete the program.

Prioritization Listing for Readmission and Transfers

Request for readmission or transfer students will be prioritized as follows:

1. First priority: Former Temple College students with a passing grade in previous nursing courses.
2. Second priority: Transfer students with passing grades in previous nursing courses.
3. Third priority: Former Temple College students with a previous nursing course failure.
4. Fourth priority: Transfer students with a previous nursing course failure.

Within each priority group, preference is given based on nursing GPA.

(TSI WAIVED*)

Note: This is a full-time program. All individuals admitted to this program must enroll in a prescribed set of courses for three consecutive semesters. Individuals may not enroll on a part-time student basis.

Vocational Nursing Requirements (47 Semester Hrs.)

Summer Semester

- VNSG 1423 - Basic Nursing Skills **4 credit hours.**
- BIOL 2404 - Anatomy and Physiology **4 credit hours.**
- VNSG 1126 - Gerontology **1 credit hours.**
- VNSG 1122 - Vocational Nursing Concepts **1 credit hours.**
- VNSG 1160 - Clinical-LVN Training I **1 credit hours.**
- VNSG 1136 - Mental Health **1 credit hours.**

Total Hours: 12

Fall Semester

- VNSG 1330 - Maternal-neonatal Nursing **3 credit hours.**
- VNSG 2331 - Advanced Nursing Skills **3 credit hours.**
- VNSG 1231 - Pharmacology **2 credit hours.**
- VNSG 1509 - Nursing in Health & Illness II **5 credit hours.**
- VNSG 1560 - Clinical-LVN-Training II Nurse **5 credit hours.**

Total Hours: 18

Spring Semester

- VNSG 1334 - Pediatrics **3 credit hours.**
- VNSG 1510 - Nursing in Health and Illness III **5 credit hours.**
- ITSE 1294 - Special Topics in Computer Science: Information Technology in Health Care Occupations/Marketable Skills **2 credit hours.**
- VNSG 2561 - Clinical-LVN-training III **5 credit hours.**
- VNSG 1119 - Professional Development **1 credit hours.**
- VNSG 1138 - Mental Illness **1 credit hours.**

Total Hours: 17

Grand Total Hours: 47

** Refer to page 41 for Texas Success Initiative (TSI) information

Advanced Technical Certificate

Biotechnology, Advanced Technical Certificate

The Advanced Technical Certificate allows students with a previous background in the sciences or a degree in the sciences (i.e., minimum of AAS or AA degree or junior level standing with a minimum of 64 semester hours) to obtain the skills necessary for employment in the rapidly expanding and exciting biotechnology related professions, particularly biomedical research.

The curriculum for the ATC consists of the biotechnology program courses of the AAS degree program and an Internship in a biotechnology laboratory. Students should have a strong science/math background. It is recommended that any science related degree or science courses be completed within the last 5 years. A program application and approval of the Biotechnology Department Chair is required for enrollment.

Prerequisites:

- BITC 1411 - Introduction to Biotechnology **4 credit hours.** or
- BIOL 1414 - Introduction to Biotechnology **4 credit hours.**

Fall Semester

- BITC 1302 - Biotechnology Laboratory Methods and Techniques **3 credit hours.**
- BITC 2431 - Cell Culture Techniques **4 credit hours.**
- BITC 2411 - Biotechnology Laboratory Instrumentation **4 credit hours.**

  Elective - **3-4 credit hours.** from the following:
- BIOL 2316 - Genetics **3 credit hours.** or

- BIOL 2404 - Anatomy and Physiology **4 credit hours.** or
- BIOL 2401 - Anatomy and Physiology I **4 credit hours.** or
- BIOL 2402 - Anatomy and Physiology II **4 credit hours.** (must take this course next semester)

Total Hours: 14-15

Spring Semester

- BITC 1250 - Special Studies and Bioethical Issues of Biotechnology **2 credit hours.**
- BITC 2441 - Molecular Biology Techniques **4 credit hours.**
- BITC 2445 - Medical Biotechnology **4 credit hours.**

Elective - **3-4 credit hours.** from the following

- BIOL 2316 - Genetics **3 credit hours.** or
- BIOL 2402 - Anatomy and Physiology II **4 credit hours.**

Total Hours: 13-14

Summer Semester (12 Weeks)

- BITC 2587 - Internship - Biotechnology Laboratory Technician **(5:0-0-30) credit hours.**

Total Hours: 5

TOTAL HOURS: 32-34

Diagnostic Medical Sonography, ATC

Requirements for an Advanced Technical Certificate in Diagnostic Medical Sonography

In order to graduate from Temple College and receive the Advanced Technical Certificate in Sonography, the student must meet the following requirements.

1. Have an Associates or Bachelors in Radiologic Technology*
    a. Have successfully challenged the ARRT boards
    b. Are in good standing with the ARRT
    c. Maintained a 2.0 (C) or higher in each course with an overall cumulative grade point average (GPA) of 2.5 or higher.
2. Have an Associate or Bachelor degree in another allied health discipline other than Radiologic Technology that incorporated the following courses into their curriculum:*

a. College Algebra
b. College Physics
c. Composition I
d. Anatomy and Physiology I AND Anatomy and Physiology II

3. You must have a minimum of a 2.0 (C) in every prerequisite course. A minimum overall grade point average (GPA) of 2.5 (in all courses that apply toward the Diagnostic Medical Sonography prerequisite curriculum) is required for application to the Diagnostic Medical Sonography program.
4. If you are eligible to sit for an allied health care board exam you must have successfully challenged your boards and be in good standing with the credentialing body.

*If your degree plan did not include a-d listed in #2 you will be required to complete those courses with a minimum of 2.0 (C) and a cumulative GPA of 2.5 prior to being considered for a seat in the DMS program.

In order to graduate from Temple College and receive the Advanced Technical Certificate in Sonography, the student must meet the following requirements.

1. Completion of 45 hours of DMS core course credit in the required sequence with a minimum of a 2.0 (C) in each course.
2. Completion of the Application for Graduation by deadline date.

Diagnostic Medical Sonography Curriculum

FIRST YEAR

Fall 1

- DMSO 1302 - Basic Ultrasound Physics **(3:3-0-0) credit hours.**
- DMSO 1110 - Introduction to Sonography **(1:1-0-0) credit hours.**
- DSVT 1103 - Introduction to Vascular Technology **(1:1-0-0) credit hours.**
- DMSO 1441 - Abdominopelvic Sonography **(4:3-3-0) credit hours.**

Total Hours: 9

Spring I Semester

- DMSO 2441 - Sonography of Abdominopelvic Pathology **(4:3-3-0) credit hours.**
- DMSO 2351 - Doppler Physics **(3:3-0-0) credit hours.**
- DMSO 1361 - Clinical I – Diagnostic Medical Sonography **(3:0-16-0) credit hours.**

Total Hours: 10

Summer Semester (12 weeks)

- DMSO 2405 - Sonography of Obstetrics and Gynecology **(4:3-3-0) credit hours.**

- DMSO 2363 - Clinical II – Diagnostic Medical Sonography **(3:0-0-24) credit hours.**

Total Hours: 7

SECOND YEAR

Fall II Semester

- DMSO 2442 - Sonography of High Risk Obstetrics **(4:3-3-0) credit hours.**
- DMSO 2354 - Neurosonology **(3:3-0-0) credit hours.**
- DMSO 2366 - Practicum I – Diagnostic Medical Sonography **(3:0-0-24) credit hours.**

Total Hours: 10

Spring II Semester

- DMSO 2245 - Advanced Sonography Practices **(2:2-0-0) credit hours.**
- DMSO 2230 - Advanced Ultrasound and Review **(2:2-0-0) credit hours.**
- DMSO 2253 - Sonography of Superficial Structures **(2:1-3-0) credit hours.**
- DMSO 2367 - Practicum II – Diagnostic Medical Sonography **(3:0-0-24) credit hours.**

Total Hours: 9

TOTAL HOURS: 45

Enhanced Skills Certificate (ESC)

Critical Care Paramedic, Enhanced Skills Certificate

Fall Semester

- EMSP 2358 - Critical Care Paramedic **(3:2-4-0) credit hours.**
- EMSP 2163 - Clinical - Emergency Medical **(1:0-0-6) credit hours.**

Total Hours: 8

Genomics/Proteomics, Enhanced Skills Certificate

The Enhanced Skills Certificate (ESC) in Genomics/Proteomics allows students with an A.A.S. in Biotechnology to pursue an advanced educational experience in genomics and proteomics. A completed Biotechnology Program application and approval of the Biotechnology Department Chair and/or instructor is required for enrollment.

Prerequisite:

Approval of the Biotechnology Department Chair/Instructor and BIOL 2316 - Genetics.

- BIOL 2316 - Genetics **3 credit hours.**
- BITC 2459 - Human Genomics **4 credit hours.**
- BITC 2455 - Proteomics **4 credit hours.**

TOTAL HOURS: 11

EMT Marketable Skills Award

This award is intended to add additional skills and knowledge to improve job performance of an EMT.

First semester

- EMSP 1501 - Emergency Medical Technician **(5:3-8-0) credit hours.**
- EMSP 1160 - Clinical-Emergency Medical Technology/Technician **(1:0-0-5) credit hours.**
- HITT 1305 - Medical Terminology I **3 credit hours.**
- HPRS 1201 - Introduction to Health Professions **2 credit hours.**

Course Descriptions

Accounting

ACCT 2301 - Principles of Financial Accounting

3 credit hours. 2 lecture hours. 4 lab hours.
R M
This course is an introduction to the fundamental concepts of financial accounting as prescribed by U.S. generally accepted accounting principles (GAAP) as applied to transactions and events that affect business organizations. Students will examine the procedures and systems to accumulate, analyze, measure, and record financial transactions. Students will use recorded financial information to prepare a balance sheet, income statement, statement of cash flows, and statement of shareholders' equity to communicate the business entity's results of operations and financial position to users of financial information who are external to the company. Students will study the nature of assets, liabilities, and owners' equity while learning to use reported financial information for purposes of making decisions about the company. Students will be exposed to International Financial Reporting Standards (IFRS). Recommended Co-requisite: MATH 1324 - Mathematics for Business & Social Sciences.
Measurable Learning Outcomes:
Use basic accounting terminology and the assumptions, principles, and constraints of the accounting environment. Identify the difference between accrual and cash basis accounting. Analyze and record business events in accordance with the U.S. generally accepted accounting principles (GAAP). Prepare adjusting entries and close the general ledger. Prepare financial statements in an appropriate U.S. GAAP format, including the following: income statement, balance sheet, statement of cash flows, and statement of shareholders' equity. Analyze and interpret financial statements using financial analysis techniques. Describe the conceptual differences between International Financial Reporting Standards and U.S. generally accepted accounting principles.

ACCT 2302 - Principles of Managerial Accounting

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: ACCT 2301

R M
This course is an introduction to the fundamental concepts of managerial accounting appropriate for all organizations. Students will study information from the entity's accounting system relevant to decisions made by internal managers, as distinguished from information relevant to users who are external to the company. The emphasis is on the identification and assignment of product costs, operational budgeting and planning, cost control, and management decision making. Topics include product costing methodologies, cost behavior, operational and capital budgeting, and performance evaluation.
Measurable Learning Outcomes:
Identify the role and scope of financial and managerial accounting and the use of accounting information in the decision making process of managers. Define operational and capital budgeting, and explain its role in planning, control, and decision-making. Prepare an operating budget, identify its major components, and explain the interrelationships among its various components. Explain methods of performance evaluation. Use appropriate financial information to make operational decisions. Demonstrate use of accounting data in the areas of product costing, cost behavior, cost control, and operational and capital budgeting for management decisions.

ACNT 1303 - Introduction to Accounting I

3 credit hours. 3 lecture hours. 1 lab hours.
A study of analyzing, classifying, and recording business transactions in a manual and computerized environment. Emphasis on understanding the complete accounting cycle and preparing financial statements, bank reconciliations, and payroll.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Define accounting terminology. Analyze and record business transactions in a manual and computerized environment. Complete the accounting cycle. Prepare financial statements. Apply accounting concepts related to cash and payroll.

ACNT 1311 - Introduction to Computerized Accounting

3 credit hours. 2 lecture hours. 2 lab hours.
Introduction to utilizing the computer in maintaining accounting records with primary emphasis on a general ledger package.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Utilize an application software to perform accounting tasks. Maintain records and prepare and analyze reports for a business entity. Complete a comprehensive project. Explain the components of general ledger software.

ACNT 1425 - Principles of Accounting I

4 credit hours. 3 lecture hours. 3 lab hours.
R M
A study of accounting concepts and their application in transaction analysis and financial statement preparation. Emphasis on the accounting cycle for service and merchandising enterprises.
Measurable Learning Outcomes:
Apply generally accepted accounting principles, concepts, and procedures. Complete the accounting cycle for service and merchandising enterprises.

ACNT 1426 - Principles of Accounting II

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: ACNT 1425.
A study of the fundamentals of managerial accounting. Emphasis on budgeting, planning, management decision making, and analysis of financial reports.
Measurable Learning Outcomes:
Define managerial accounting terminology. Prepare and analyze reports for financial decision making including statement of cash flow, budgets, variance analysis, and other managerial decisions.

Anthropology

ANTH 2301 - Physical Anthropology

3 credit hours. 3 lecture hours. 0 lab hours.
R
The study of human origins and bio-cultural adaptations. Topics may include primatology, genetics, human variation, forensics, health, and ethics in the discipline.
Measurable Learning Outcomes:
Describe key concepts and theories of physical anthropology. Explain the principles and processes of human evolution. Describe how the scientific method is used in physical anthropology.

ANTH 2302 - Introduction to Archaeology

3 credit hours. 3 lecture hours. 0 lab hours.

The study of the human past through material remains. The course includes a discussion of methods and theories relevant to archeological inquiry. Topics may include the adoption of agriculture, response to environmental change, the emergence of complex societies, and ethics in the discipline.

Measurable Learning Outcomes:

Describe key concepts and theories in archeology. Explain the key techniques and methods used in archeology. Demonstrate an understanding of long-term cultural change from an archeological perspective.

ANTH 2346 - General Anthropology

3 credit hours. 3 lecture hours. 0 lab hours.

R

The study of human beings, their antecedents, related primates, and their cultural behavior and institutions. Introduces the major subfields: physical and cultural anthropology, archeology, linguistics, their applications, and ethics in the discipline.

Measurable Learning Outcomes:

Describe the key concepts and methods of anthropology. Compare and contrast the subfields of anthropology, including but not limited to physical anthropology, cultural anthropology, and archeology. Demonstrate an understanding of anthropological approaches to human diversity.

ANTH 2351 - Cultural Anthropology

3 credit hours. 3 lecture hours. 0 lab hours.

The study of human cultures. Topics may include social organization, institutions, diversity, interactions between human groups, and ethics in the discipline.

Measurable Learning Outcomes:

Describe key concepts and methods of cultural anthropology. Explain the concept of culture, cultural diversity, and culture change. Demonstrate how anthropological concepts apply to addressing human and global challenges.

ANTH 2389 - Academic Cooperative in Anthropology

3 credit hours. 3 lecture hours. 4 lab hours.

An instructional program designed to integrate on-campus study with practical hands-on experience in anthropology. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of human social behavior and/or social institutions.

Measurable Learning Outcomes:

Integrate practical experiences in anthropology and archaeology. Set goals pertaining to the study of anthropology and archaeology. Consult with instructor regarding independent objectives in the study of anthropology and archaeology.

Art Resources Technical Courses

ARTC 1313 - Digital Publishing I

3 credit hours. 2 lecture hours. 2 lab hours.

The fundamentals of using digital layout as a primary publishing tool and the basic concepts and terminology associated with typography and page layout. This course is offered in the fall semester.

Additional Fees: Lab Fee $24

Measurable Learning Outcomes:

Apply fundamentals of page layout. Define typographic terminology and specifications. Import text and graphics into page layout programs. Discuss file formats and file management.

ARTC 1325 - Introduction to Computer Graphics

3 credit hours. 2 lecture hours. 2 lab hours.

A survey of computer design concepts, terminology, processes, and procedures. Topics include computer graphics hardware, electronic images, electronic publishing, vector-based graphics, and interactive multimedia. This course is offered in the spring semester.

Additional Fees: Lab Fee $24

Measurable Learning Outcomes:

Define computer terminology. Identify peripherals. Demonstrate page layout, multimedia, and peripherals, software use.

ARTC 1394 - Special Topics in Animation, Interactive Technology, Video Graphics & Special Effects-Computer Graphics & Delivery

3 credit hours. 2 lecture hours. 2 lab hours.

Continues the study of Introduction to Computer Graphics and/or Portfolio Development. Students will be able to capture, create, and deliver text, graphics, and video in various industry standard formats.

Additional Fees: Lab Fee $24

Measurable Learning Outcomes:

Develop still and animated computer graphics. Demonstrate use of current computer graphics software. Evaluate computer graphic techniques.

ARTV 1351 - Digital Video

3 credit hours. 2 lecture hours. 2 lab hours.

Producing and editing video and sound for multimedia or web productions. Emphasizes capture, editing, and outputting of video using a digital video workstation. This course is offered in the spring semester. Student must provide video camera.

Additional Fees: Lab Fee $24

Measurable Learning Outcomes:

Use digital video capture and output methods. Apply appropriate compression schemes for various output. Integrate still graphics and animation into a production. Apply principles of video production. Identify the components of a digital video system.

Art

ARTS 1301 - Art Appreciation

3 credit hours. 3 lecture hours. 0 lab hours.

R W

An introduction to the visual arts through an exploration of their purposes and processes. May be taken either year of the curriculum. This course is open to both non-art majors and art majors or minors. Students with little or no background in art are welcome in the course.

Measurable Learning Outcomes:

Student should be able to explain the layout and understand how to effectively use the color wheel as a tool. Student should be able to explain the basic difference between the four main types of printmaking. Student should be able to explain and understand the basic principles of design as part of the artist's tool set.

Notes:

Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete **ARTS 1301**. Students should consult the catalogs of senior colleges to which they may transfer before planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 1303 - Art History Survey I

3 credit hours. 3 lecture hours. 0 lab hours.

R W

A historical and thematic examination of painting, sculpture, architecture, and other arts. May be taken in either year of the curriculum. This course is open to both non-art majors and art majors and minors. Students with little or no background in art are welcome in the course. This course offered usually in the fall semester.

Measurable Learning Outcomes:

Student should be able to recognize and identify artistic works from cultures and civilizations covered in the textbook and

discussed in class. Student should be able to discuss the formal and conceptual qualities of a work of art covered in the textbook and discussed in class. Student should be able to recognize the cultural factors that contributed to the creation of a work of art covered in the textbook and discussed in class.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301 . Students should consult the catalogs of senior colleges to which they may transfer before planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 1304 - Art History Survey II

3 credit hours. 3 lecture hours. 0 lab hours.
R W
A further historical and thematic examination of painting, sculpture, architecture, and other arts. May be taken in either year of the curriculum. This course is open to both non-art majors and art majors and minors. Students with little or no background in art are welcome in the course. This course is offered usually in the spring semester.
Measurable Learning Outcomes:
Student should be able to recognize and identify artistic works from cultures and civilizations covered in the textbook and discussed in class. Students should be able to discuss the formal and conceptual qualities of a work of art covered in the textbook and discussed in class. Student should be able to recognize the cultural factors that contributed to the creation of a work of art covered in the textbook and discussed in class.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301. Students should consult the catalogs of senior colleges to which they may transfer before planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 1311 - Design I

3 credit hours. 2 lecture hours. 4 lab hours.
A studio course concerning the fundamentals of art with emphasis on 2-dimensional concepts. This course offered usually in the fall semester.

Additional Fees: $24
Measurable Learning Outcomes:
Student should be able to explain the layout and understand how to effectively use the color wheel as a tool. Student should be able to understand and put to use the visual elements of design. Student should be able to understand and put to use the principles of design.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301. Students should consult the catalogs of senior colleges to which they may transfer before planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 1312 - Design II

3 credit hours. 2 lecture hours. 4 lab hours.
A studio course concerning the fundamentals of art with emphasis on 3-dimensional concepts. This course offered usually in the spring semester.
Additional Fees: $24
Measurable Learning Outcomes:
Student should be able to explain and understand the concepts of scale and proportion. Student should learn and understand the way color can be used to direct the viewer's perception of a 3-dimensional object. Student should understand and be able to explain the conceptual implications of working with different materials.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301. Students should consult the catalogs of senior colleges to which they may transfer before planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 1316 - Drawing I

3 credit hours. 2 lecture hours. 4 lab hours.
A studio course investigating a variety of media techniques, descriptive, and expressive possibilities. Offered in the fall and spring semesters.
dditional Fees: $24

Measurable Learning Outcomes:
The student should be able to create a contour drawing from life. The student should be able to create a shaded drawing from life or a photograph. The student will be able to complete a pen and ink drawing.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301. Students should consult the catalogs of senior colleges to which they may transfer before planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 1317 - Drawing II

3 credit hours. 2 lecture hours. 4 lab hours.
A further investigation of media techniques, descriptive, and expressive possibilities.
Additional Fees: $24
Measurable Learning Outcomes:
The student will complete a drawing that demonstrates an understanding of the Ives color wheel. The student will complete a colored pencil drawing. The student will complete a pastel drawing.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301. Students should consult the catalogs of senior colleges to which they may transfer before planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 2313 - Design Communications I-Illustrator

3 credit hours. 2 lecture hours. 4 lab hours.
Communication of ideas through processes and techniques of graphic design and illustration using the Macintosh computer. This course will include page layout and illustration created with appropriate software.
Additional Fees: $24
Measurable Learning Outcomes:
Student should understand why adobe Illustrator is the major application to edit vector art. Student should be able to create a print poster to advertise a specific event. Student should be able to demonstrate how to draw different shapes with the pen tool.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301. Students should consult the catalogs of senior colleges to which they may transfer before planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 2314 - Design Communications II-Photoshop

3 credit hours. 2 lecture hours. 4 lab hours.
Communication of ideas through processes and techniques of graphic design and illustration using the Macintosh computer. This course will include techniques of scanning and manipulating images with appropriate software.
Additional Fees: $24
Measurable Learning Outcomes:
Student should be able to demonstrate how to effectively use the clone tool to repair a damaged photograph. Student should be able to explain why high-resolution photos are important for printing. Student should be able to create a home page and subpage layout that a web programmer can utilize to build a visually appealing website.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301. Students should consult the catalogs of senior colleges to which they may transfer before

planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 2316 - Painting I

3 credit hours. 2 lecture hours. 4 lab hours.
A studio course exploring the potentials of painting media with emphasis on color and composition.
Additional Fees: $24
Measurable Learning Outcomes:
The student will complete three paintings. The student will be able to stretch their own canvas. The student will use good composition in their paintings.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301. Students should consult the catalogs of senior colleges to which they may transfer before planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 2317 - Painting II

3 credit hours. 2 lecture hours. 4 lab hours.
A further investigation of painting with emphasis on individual expression. This course offered usually in the spring semester.
Additional Fees: $24
Measurable Learning Outcomes:
The student will complete three paintings. The student will be able to stretch their own canvas. The student will use good composition in their paintings.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301. Students should consult the catalogs of senior colleges to which they may transfer before planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 2323 - Life Drawing I

3 credit hours. 2 lecture hours. 4 lab hours.
A studio course emphasizing structure and action of the human figure.
Additional Fees: Model fee $50.
Measurable Learning Outcomes:
The student will be able to draw and identify the major bones in the figure. The student will be able to draw and identify the major muscles in the figure. The student will be able to go a gesture drawing of the figure.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301. Students should consult the catalogs of senior colleges to which they may transfer before planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 2326 - Sculpture I

3 credit hours. 2 lecture hours. 4 lab hours.
A studio course exploring sculptural approaches in a variety of media.
Additional Fees: Special Material Fee $35.
Measurable Learning Outcomes:
Student should be able to form a figure out of clay using the solid-build technique successfully both technically and aesthetically. Student should be able to carve a complex form out of a block of plaster successfully both technically and aesthetically. Student should be able to treat the surface of a sculptural work successfully.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301. Students should consult the catalogs of senior colleges to which they may transfer before planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 2327 - Sculpture II

3 credit hours. 2 lecture hours. 4 lab hours.
The purpose of Sculpture II is to continue the exploration of the language of 3-dimensional form through hands-on creative studio experiences.
Additional Fees: Special Material Fee $35.
Measurable Learning Outcomes:
Student should be able to successfully create an installation using methods of mold-making and casting. Student should be able to create works with a complex metaphorical basis. Student should be able to discuss the work of both historical and contemporary sculptors proficiently.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301. Students should consult the catalogs of senior colleges to which they may transfer before planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 2346 - Ceramics I

3 credit hours. 2 lecture hours. 4 lab hours.
An introductory studio course in basic ceramic processes: hand building, throwing, decorating, and firing techniques.
Additional Fees: Special Material Fee $40.
Measurable Learning Outcomes:
Student should be able to hand-build a complex, medium-sized form successfully both technically and aesthetically. Student should be able to throw an even-walled, 6-inch cylinder on the potter's wheel successfully both technically and aesthetically. Student should be able to treat the surface of a ceramic object successfully and aesthetically with glaze.
Notes:
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ARTS 2347 - Ceramics II

3 credit hours. 2 lecture hours. 4 lab hours.
A further investigation of ceramic processes with an emphasis on throwing, decorating, and firing techniques.
Additional Fees: Special Material Fee $40.
Measurable Learning Outcomes:
Student should be able to hand-build a complex, large sized for successfully. Student should be able to create works with a complex metaphorical basis. Student should be able to discuss the work of historical and contemporary ceramic artists proficiently.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301. Students should consult the catalogs of senior colleges to which they may transfer before planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 2348 - Digital Art I

3 credit hours. 2 lecture hours. 4 lab hours.
A studio course which explores the potential of the computer hardware and software medium for their visual, conceptual, and practical uses in the visual arts.
Additional Fees: $24
Measurable Learning Outcomes:
Student will design and create a logo. Student will manipulate vector art bezier curves. Student will create a composition using 8 different vector shapes.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301. Students should consult the catalogs of senior colleges to which they may transfer before

planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 2349 - Digital Art II

3 credit hours. 2 lecture hours. 4 lab hours.
A studio course which uses computer hardware and software as a medium for visual and conceptual expression in the visual arts.
Additional Fees: $24
Measurable Learning Outcomes:
Student will design and create an advanced logo. Student will manipulate more advanced curves. Student will create a vector based Self-portrait.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301. Students should consult the catalogs of senior colleges to which they may transfer before planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 2356 - Photography I

3 credit hours. 2 lecture hours. 4 lab hours.
This studio course is an introduction to black and white photography as an artistic medium. Learn fundamental photographic theory, methods, materials, and equipment. Student must provide film camera.
Additional Fees: Photography supplies fee $35.
Measurable Learning Outcomes:
Student will learn the main function of a camera. Student will understand basic film choices. Student will learn how to make an exposure reading.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301. Students should consult the catalogs of senior colleges to which they may transfer before planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

ARTS 2357 - Photography II

3 credit hours. 2 lecture hours. 4 lab hours.
This studio course offers further investigation into the possibilities of photography as an artistic medium. Student must provide film camera.
Additional Fees: Photography supplies fee $35.
Measurable Learning Outcomes:
Student will understand terminology and basic working of the Zone System. Student will recognize negatives that are correctly exposed, overexposed, and underexposed. Student will be able to understand the decisions involved in selecting what will be in the photograph.
Notes:
Those students planning to pursue a major or minor in art should enroll in the following core courses during their freshman year: ARTS 1303, ARTS 1304, ARTS 1311, ARTS 1312, and ARTS 1316. Departments of Art at many senior institutions also expect students to complete ARTS 1301. Students should consult the catalogs of senior colleges to which they may transfer before planning their freshman year here. Students interested in enrolling in an art course as an elective, or for personal enrichment, may take individual courses with the consent of the instructor or an advisor.

Biology

BIOL 1322 - Nutrition & Diet Therapy I

3 credit hours. 3 lecture hours.
R W
Study of the chemical, physical, and sensory properties of food; nutritional quality; and food use and diet application.
Topics include classes, sources, and functions of nutrients, digestion and absorption, and metabolism with applications to normal and therapeutic nutritional needs. In addition to learning how the body handles nutrients, students will analyze personal eating habits; develop a personal weight control plan; analyze food labels; distinguish

between nutrition fact and myth; identify relationships between nutrition and disease; and integrate nutrition information into daily lives.

Measurable Learning Outcomes:

Identify the nutrients required by the body, their food sources, functions, deficiencies and toxicities. Describe the digestion, absorption and transport of nutrients in the body. Describe the metabolism of carbohydrates, lipids and proteins in the body. Discuss the RDA, DRI, Food Guide Pyramid and food labeling. Discuss energy balance, weight control, and the needs of special populations. Discuss nutrition as it relates to the life cycle and disease prevention. Evaluate personal caloric and nutrient intake and make appropriate changes to meet dietary goals. Distinguish between nutritional myths vs. facts. Understand the differences among the various energy systems and fiber types within the body and how each relates to nutritional intake. Understand eating disorders and their effects upon nutritional requirements.

BIOL 1406 - Biology for Science Majors I

4 credit hours. 3 lecture hours. 3 lab hours.

R W

Fundamental principles of living organisms will be studied, including physical and chemical properties of life, organization, function, evolutionary adaptation, and classification. Concepts of cytology, reproduction, genetics, and scientific reasoning are included.

Additional Fees: Lab Fee $24

Measurable Learning Outcomes:

Describe the characteristics of life. Explain the methods of inquiry used by scientists. Identify the basic requirements of life and the properties of the major molecules needed for life. Compare and contrast the structures, reproduction, and characteristics of viruses, prokaryotic cells, and eukaryotic cells. Describe the structure of cell membranes and the movement of molecules across a membrane. Identify the substrates, products, and important chemical pathways in metabolism. Identify the principles of inheritance and solve classical genetic problems. Identify the chemical structures, synthesis, and regulation of nucleic acids and proteins. Describe the unity and diversity of life and the evidence for evolution through natural selection. Apply scientific reasoning to investigate questions and utilize scientific tools such as microscopes and laboratory equipment to collect and analyze data. Use critical thinking and scientific problem-solving to make informed decisions in the laboratory.

BIOL 1407 - Biology for Science Majors II

4 credit hours. 3 lecture hours. 3 lab hours.

R W

The diversity and classification of life will be studied, including animals, plants, protists, fungi, and prokaryotes. Viruses also included. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals.

Additional Fees: Lab Fee $24

Measurable Learning Outcomes:

Describe modern evolutionary synthesis, natural selection, population genetics, micro and macroevolution, and speciation. Describe phylogenetic relationships and classification schemes. Identify the major phyla of life with an emphasis on plants and animals, including the basis for classification, structural and physiological adaptation, evolutionary history, and ecological significance. Describe basic animal physiology and homeostasis as maintained by organ systems. Compare different sexual and asexual life cycles noting their adaptive advantages. Illustrate the relationship between major geologic change, extinctions, and evolutionary trends. Apply scientific reasoning to investigate questions and utilize scientific tools such as microscopes and lab equipment to collect and analyze data. Use critical thinking and scientific problem-solving to make informed decisions in the laboratory. Communicate effectively the results of scientific investigations.

BIOL 1411 - General Botany

4 credit hours. 3 lecture hours. 3 lab hours.

R W

Fundamental biological concepts relevant to plant physiology, life cycle, growth and development, structure and function, and cellular and molecular metabolism. The role of plants in the environment, evolution, and phylogeny of major plant groups, algae, and fungi.

Additional Fees: $24

Measurable Learning Outcomes:
Compare and contrast the structures, reproduction, and characteristics of plants, algae, and fungi. Describe the characteristics of life and the basic properties of substances needed for life. Identify the principles of inheritance and solve classical genetics problems. Describe phylogentic relationships and classification schemes. Identify the major phyla of life with an emphasis on plants, including the basis for classification, structural and physiological adaptation, evolutionary history, and ecological significance. Identify the substances, products, and important chemical pathways in photosynthesis and respiration. Describe the unity and diversity of plants and the evidence for evolution through natural selection. Compare different sexual and asexual life cycles noting their adaptive advantages. Describe the reasoning processes applied to scientific investigations and thinking. Apply scientific reasoning to investigate questions and utilize scientific tools such as microscopes and laboratory equipment to collect and analyze data. Use critical thinking and scientific problem-solving to make informed decisions in the laboratory. Communicate effectively the results of scientific investigations.
Notes:
Usually offered in the fall semester.

BIOL 1413 - General Zoology

4 credit hours. 3 lecture hours. 3 lab hours.
R W
Fundamental biological concepts relevant to animals, including systematics, evolution, structure and function, cellular and molecular metabolism, reproduction, development, diversity, phylogeny, and ecology.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Compare and contrast the structures, reproduction, and characteristics of animals. Describe the characteristics of life and the basic properties of substances needed for life. Identify the principles of inheritance and solve classical genetic problems. Describe phylogenetic relationships and classification schemes. Identify the major phyla of life with an emphasis on animals, including the basis for classification, structural and physiological adaptations, evolutionary history, and ecological significance. Identify the chemical structures, synthesis, and regulation of nucleic acids and proteins. Identify the substrates, products, and important chemical pathways in respiration. Describe the unity and diversity of animals and the evidence for evolutional through natural selection. Describe the reasoning processes applied to scientific investigation and thinking. Describe basic animal physiology and homeostasis as maintained by organ systems. Describe modern evolutionary synthesis, natural selection, population genetics, micro and macroevolution, and speciation. Apply scientific reasoning to investigate questions and utilize scientific tools such as microscopes and lab equipment to collect and analyze data. Use critical thinking and scientific problem-solving to make informed decisions in the laboratory. Communicate effectively the results of scientific investigations.
Notes:
Usually offered in the spring semester.

BIOL 1414 - Introduction to Biotechnology

4 credit hours. 3 lecture hours. 3 lab hours.
R W M
Overview of classical genetics, DNA structure, the flow of genetic information, DNA replication, gene transcription, protein translation. Principles of major molecular biology and genetic engineering techniques, including restriction enzymes and their uses, major types of cloning vectors, construction of libraries, Southern and Northern blotting, hybridization, PCR, DNA typing. Application of these techniques in human health and welfare, medicine, agriculture and the environment. Introduction to the human genome project, gene therapy, molecular diagnostics, forensics, creation and uses of transgenic plants and animals, animal cloning, and the ethical, legal, and social issues of scientific problems associated with the technologies. Relevant practical exercises in the above areas.
It is highly recommended that BIOL 1406 be taken before BIOL 1414.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Demonstrate basic laboratory skills such as pipetting, measuring and calibrating techniques, preparing solutions, and analyzing biomolecules. Describe various applications and issues of biotechnology. Identify various biotechnology career opportunities. Demonstrate appropriate laboratory safety.

BIOL 1424 - Systematic Botany

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: BIOL 1411 recommended
R W
Emphasis on collection and identification of major plant families of the angiosperms although all vascular plants are considered. Discussion of the classification of plants, including the artificial, natural, and the more recent attempts at phylogenetic classification schemes such as biosystematics; also, the underlying principles of plant nomenclature, the origin of the angiosperms, and the role of herbaria and botanical gardens.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
List the taxonomic categories of angiosperms and other related vascular plants. Outline the systematic relationships among plants. Understand the underlying principles of vascular plant nomenclature. Understand the role of herbaria and botanical gardens.
Notes:
Usually offered in the spring semester.

BIOL 2316 - Genetics

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: BIOL 1406 or permission of the instructor.
R W
Study of the principles of molecular and classical genetics and the function and transmission of hereditary material. Includes linkage, chromosome mapping, the central role of DNA and its function in the cell, as well as population genetics and its importance in evolutionary theory.
Measurable Learning Outcomes:
Understand principles of inheritance. Describe transmission methods of hereditary materials. Understand the role of DNA and its functions within a cell. Understand the genetics at both the individual and population level. Understand evolutionary theory.

BIOL 2389 - Academic Cooperative

3 credit hours. 1 lecture hours. 2 lab hours.
Prerequisites: 3 hours of biological science.
R W
An instructional program designed to integrate on-campus study with practical hands-on work experience in the biological/life sciences. In conjunction with class seminars, the individual student will set specific goals and objectives in the study of living organisms and their systems. Provides practical training and experiences in laboratory and field investigation, while presenting a research approach to the principles of biology with emphasis on scientific methodologies and techniques. Students work under the supervision of the instructor after a research project of mutual interest in selected. Course covers research design, data collection, data organization and analysis, and presentation of data
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Understand how to design and draft a research proposal. Be able to conduct an independent research project. Understand the principles of data collection. Understand basic data analysis. Be comfortable summarizing data results into a presentation-ready format. Have insight into the practical aspects of a career in biology (lab and/or field biologist) by observation of, and participation in, the day-to-day activities as a research biologist. Be exposed to research techniques, the protocols of scientific research, and the scientific literature. Be able to address ethics, copyright issues, etc. associated with data collection and the presentation of scientific data for meetings and publications.

BIOL 2401 - Anatomy and Physiology I

4 credit hours. 3 lecture hours. 3 lab hours.
R W
The first of two sequential courses in human anatomy and physiology for students majoring in Nursing and certain other allied health fields. Structure and function of the human body are integrated in a systems approach. Function is explained in terms of microanatomy and gross anatomy. In the introduction cell chemistry and cytology are emphasized. Histology, the skin, the skeletal system, and the muscular system are included in the first semester.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Define both anatomy & physiology. Understand biochemistry of

proteins, lipids, nucleic acids & carbohydrates. Identify cellular organelles & their functions. Identify & understand functions of skin structures. Be familiar with details of bone histology. Identify bones of the body. Identify components of major joints & understand/explain their motions. Understand and explain muscle physiology. Identify muscles of the body.

BIOL 2402 - Anatomy and Physiology II

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: BIOL 2401, or permission of the instructor.
R W
The second of two sequential courses in human anatomy and physiology for students majoring in Nursing and certain other allied health fields. The organ systems covered are: nervous, endocrine, circulatory and immunity against disease, respiratory, digestive, urinary, and reproductive.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Understand basic anatomy & physiology of nervous system. Understand basic anatomy & physiology of endocrine system. Understand basic anatomy & physiology of circulatory system. Understand basic anatomy & physiology of immunity. Understand basic anatomy & physiology of respiratory system. Understand basic anatomy & physiology of digestive system. Understand basic anatomy & physiology of urinary system. Understand basic anatomy & physiology of reproductive system.

BIOL 2404 - Anatomy and Physiology

4 credit hours. 3 lecture hours. 3 lab hours.
A one-semester course in human anatomy and physiology for students majoring in Licensed Vocational Nursing, Surgical Technology, Respiratory Technology, and Emergency Medical Technology. Lecture and laboratory materials are taught in an integrated approach. This course is offered most semesters and is also offered via internet during some semesters. (This is a one semester condensed course and does not substitute for BIOL 2401 or BIOL 2402.)
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Define both anatomy & physiology. Understand basic biochemistry. Identify parts of the cell. Identify basic structures of the skin. Identify major bones of the body. Understand basic muscle physiology. Identify major muscles of the body. Understand basic anatomy & physiology of nervous system. Understand basic anatomy & physiology of endocrine system. Understand basic anatomy & physiology of circulatory system. Understand basic anatomy & physiology of immunity. Understand basic anatomy & physiology of respiratory system. Understand basic anatomy & physiology of digestive system. Understand basic anatomy & physiology of urinary system. Understand basic anatomy & physiology of reproductive system.

BIOL 2420 - Microbiology for Non-Science Majors

4 credit hours. 3 lecture hours. 3 lab hours.
R W
Study of the morphology, physiology, and taxonomy of representative groups of pathogenic and nonpathogenic microorganisms. Pure cultures of microorganisms grown on selected media are used in learning laboratory techniques. Includes a brief preview of food microbes, public health, and immunology.
BIOL 1406 be taken before BIOL 2420 .
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Understand the unique anatomical features and physiology of prokaryotic cells. Cite specific examples of pathogenic organisms and their effects on their host organisms. Understand both traditional 'vertical evolution' that prokaryotes share with all living organisms as well as the 'horizontal evolution' unique to prokaryotes. Understand microbial genetics. Demonstrate knowledge of good aseptic technique. Demonstrate safe handling of microbial cultures in lab setting. Demonstrate appropriate use of microscope to aid in identifying microbes. Be familiar with standard laboratory testing to identify microbes.

BIOL 2428 - Vertebrate Zoology

4 credit hours. 3 lecture hours. 3 lab hours.
R W
Structure, development, physiology, and natural history of the vertebrate animals with emphasis on comparative evolution.
Additional Fees: $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: List the taxonomic categories within phylum Chordata. Outline the systematic relationships between chordates. Detail the defining characteristics of each chordate taxon. Explain the life cycle for

each major chordate class. Compare anatomical characteristics across chordate taxa. Understand the progression of morphological characteristics from primitive to advanced within Chordata. Discuss the ecological requirements and importance of chordates.
Notes:
Usually offered in the fall semester.

Biotechnology

BITC 1250 - Special Studies and Bioethical Issues of Biotechnology

2 credit hours. 2 lecture hours. 0 lab hours.
Prerequisites: BITC 1411/BIOL 1414.
R W
Addresses current events, skills, attitudes, and professional behavior, pertinent to biotechnology and professional development in the field. The course will also explore ethical and legal behaviors in the context of the biotechnology industry. Federal, state, and local regulations will be addressed.
Measurable Learning Outcomes:
Analyze ethical, legal, and societal issues associated with current practices of the biotechnology industry; demonstrate ethical and legal concepts through an activity such as debate; and evaluate the advantages and disadvantages of biotechnology innovations.

BITC 1302 - Biotechnology Laboratory Methods and Techniques

3 credit hours. 1 lecture hours.
Prerequisites: BITC 1411/BIOL 1414.
R W M
A study of laboratory operations, management, equipment, instrumentation, problem-solving, quality assurance and quality control procedures, laboratory math, and safety practices. Researching information on the computer and data analysis using spreadsheets is also covered. Laboratories involve practice with pH meters, spectrophotometers, electrophoresis, chromatographs, preparation of solutions and dilutions, data analysis and separation techniques.
Measurable Learning Outcomes:
Prepare solutions and reagents to specifications; demonstrate laboratory calculations; use a variety of laboratory instruments including pH meters, spectrophotometers, and chromatography equipment; perform separatory techniques to specifications; and demonstrate appropriate laboratory safety and management.

BITC 1411 - Introduction to Biotechnology

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: College biology course or Advanced Placement biology; BIOL 1406 recommended.
R W M
An introduction to biotechnology, including career exploration, history and applications of DNA/RNA technology, molecular biology, genomics, proteomics, bioethics, laboratory operations and safe practices. The course is supplemented with laboratory exercises, and demonstrations that emphasize biotechnology applications in a variety of settings.
Additional Fees: $24
Measurable Learning Outcomes:
Demonstrate basic laboratory skills such as pipetting, measuring and calibrating techniques, preparing solutions, and analyzing biomolecules; describe various applications and issues of biotechnology; identify various biotechnology career opportunities; and demonstrate appropriate laboratory safety.

BITC 2411 - Biotechnology Laboratory Instrumentation

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: BITC 1411/BIOL 1414 and CHEM 1311 and CHEM 1111 .
R W M
Presentation of the theory, applications, and operation of various analytical instruments used in research and biotechnology laboratories. Students will practice separation and identification techniques, including electrophoresis, spectrophotometry, and chromatography. Laboratories will focus on qualitative and quantitative analyses.
Additional Fees: $24
Measurable Learning Outcomes:
Demonstrate handling of laboratory chemicals; demonstrate sampling and storage of biological materials; demonstrate operation and calibration of common analytical instruments; describe the theory and applications of various analytical instruments including types of electrophoresis, spectrophotometry, and chromatography; and demonstrate laboratory safety and management.

BITC 2431 - Cell Culture Techniques

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: BITC 1411/BIOL 1414.
R W M
Theory and applications of cell culture techniques. Laboratory emphasis is on the principles and practices of initiation, cultivation, maintenance, preservation of cell lines and applications.
Additional Fees: $24
Measurable Learning Outcomes:
Demonstrate aseptic cell culture technique; demonstrate cell culture skills including harvesting, counting, and subculturing of cell lines, multiwell culture, selected cell culture based assays and basic cell preservation procedures; and demonstrate appropriate laboratory safety and management.

BITC 2441 - Molecular Biology Techniques

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: BITC 1411/BIOL 1414 and BITC 2411.
R W M
In depth coverage of the theory and laboratory techniques in molecular biology with an emphasis on gene expression and regulation, transcription, DNA and RNA techniques, and nucleic acids.
Additional Fees: $24
Measurable Learning Outcomes:
Demonstrate handling of laboratory chemicals; demonstrate sampling and storage of biological materials; demonstrate operation and calibration of common analytical instruments; describe the theory and applications of various analytical instruments including types of electrophoresis, spectrophotometry, and chromatography; and demonstrate laboratory safety and management.

BITC 2445 - Medical Biotechnology

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: BITC 1411/BIOL 1414 and BITC 2411.
R W M
Biotechnology as it applies to medicine and medical research. Includes molecular mechanisms underlying diseases such as cancer, diabetes, heart disease and AIDS. Covers the applications of biotechnology to the diagnosis and treatment of disease, the development of drugs or therapeutic agents. Emphasizes research and medical-related biotechnology methods and procedures.
Additional Fees: $24
Measurable Learning Outcomes:
Identify the scope and role of biotechnology in medicine and medical research; identify molecular mechanisms underlying diseases; apply the concepts and techniques of biotechnology to the diagnosis and treatment of diseases; explain the process for the development, testing, and manufacturing of drugs and therapeutic agents; demonstrate biotechnology-related tests and procedures used to analyze patient samples for the study of human disease; and demonstrate research and medical-related biotechnology methods and procedures in the analysis of DNA and proteins.

BITC 2587 - Internship - Biotechnology Laboratory Technician

(5:0-0-30) credit hours.
Prerequisites: BITC 1411 BIOL 1414, BITC 2411, BITC 1302, BITC 2431, BITC 2445, BITC 1250 and BITC 2441.
A Capstone work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts in a biotechnology laboratory. The student will be supervised by a professional in the assigned laboratory and will be expected to achieve the objectives related to the site. Course is a requirement for the Associate of Applied Science Degree in Biotechnology and the Advanced Technical Certificate in Biotechnology. Students must be in good academic standing (Overall GPA ≥ 2.0 and Biotechnology course GPA ≥ 2.0)) and must submit an application packet to the Department Chair at least 1 semester before the Internship. Final approval for enrollment is required from the Department Chair. Internship sites are limited and enrollment is on a first-come first serve basis. This course is full-time, 40 hours per week, for 12 weeks. Liability insurance (fee ~$20.00), an acceptable criminal background check (applicable fee), hepatitis B vaccinations, health record and a drug screen within 60 days of the internship are required.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

Business

BMGT 1301 - Supervision

3 credit hours. 3 lecture hours. 0 lab hours.
The role of the supervisor. Includes managerial functions as applied to leadership, counseling, motivation, and human relations skills.
Measurable Learning Outcomes:
Explain the role, characteristics, and skills of a supervisor. Identify the principles of management at the supervisory level. Define the human relations skills necessary for supervision. Explain motivational techniques. Cite examples of how motivational techniques can be used by a supervisor in a working environment.

BMGT 1305 - Communications in Management

3 credit hours. 3 lecture hours. 0 lab hours.
Basic theory and processes of communication skills necessary for the management of an organization's workforce.
Measurable Learning Outcomes:
Explain the communication process. Identify and remedy major communication barriers. Describe how communication contributes to effective management.

BMGT 1325 - Office Management

3 credit hours. 3 lecture hours. 0 lab hours.
Systems, procedures, and practices related to organizing and planning office work, supervising employee performance, and exercising leadership skills.
Measurable Learning Outcomes:
Identify skills and competencies of an office manager. Describe different forms of organizations. Design processes for office operations.

BMGT 1327 - Principles of Management

3 credit hours. 3 lecture hours. 0 lab hours.
Concepts, terminology, principles, theories, and issues in the field of management.
Measurable Learning Outcomes:
Explain various theories, processes, and functions of management. Apply the functions to a business environment. Identify leadership roles in organizations. Describe elements of the communication process.

BMGT 1341 - Business Ethics

3 credit hours. 3 lecture hours. 0 lab hours.
Discussion of ethical issues, the development of a moral frame of reference, and the need for an awareness of social responsibility in management practices and business activities. Includes ethical corporate responsibility.
Measurable Learning Outcomes:
Define business ethics. Identify and discuss the consequences of unethical business practices. Describe reasoning for analyzing ethical dilemmas. Describe different ethical views. Explain how business, government and society function interactively. Explain corporate social responsibility. Discuss social and ethical threats emerging from rapid technological change.

BMGT 1382 - Cooperative Education I-Business Administration and Management, General

3 credit hours. 1 lecture hours. 20 lab hours.
Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, law and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry. Will demonstrate legal and ethical behavior, safety practices, interpersonal and team work skills. Will demonstrate written and verbal communication skills using the terminology of the occupation and the business/industry.

BMGT 1383 - Cooperative Education II-Business Administration and Management, General

3 credit hours. 1 lecture hours. 20 lab hours.
Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, law and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry. Will demonstrate legal and ethical behavior, safety practices, interpersonal and team work skills. Will demonstrate written and verbal communication skills using the terminology of the occupation and the business/industry.

BMGT 2303 - Problem Solving and Decision Making

3 credit hours. 3 lecture hours. 0 lab hours.
Decision-making and problem-solving processes in organizations, utilizing logical and creative problem solving techniques. Application of theory is provided by experiential activities using managerial decision tools.
Measurable Learning Outcomes:
Identify individual, group, and organizational decision-making processes. Apply process to solving managerial problems using managerial decision tools.

BMGT 2309 - Leadership

3 credit hours. 3 lecture hours. 0 lab hours.
Leadership and its relationship to management. Prepares the student with leadership and communication skills needed to motivate and identify leadership styles.
Measurable Learning Outcomes:
Determine individual leadership styles. Distinguish differences between leadership and management. Explain the effects of leadership style on organizational environment. Apply principles of leadership with individuals, groups and organizations.

BMGT 2331 - Principles of Quality Management

3 credit hours. 3 lecture hours. 0 lab hours.
Includes planning and implementing quality programs in an organization and analyzing cost/benefit of quality. Also covers the impact of employee empowerment.
Measurable Learning Outcomes:
Define the role of quality in production and service systems. Explain concepts related to quality cost/benefit. Define the quality improvement process using analyses. Participate in problem solving experiences through creative team development.

BMGT 2341 - Strategic Management

3 credit hours. 3 lecture hours. 0 lab hours.
Strategic management process, including analysis of how organizations develop and implement a strategy for achieving organizational objectives in a changing environment.
Measurable Learning Outcomes:
Explain the processes involved in management strategy development. Develop an organizational strategic management plan.

BMGT 2382 - Cooperative Education III-Business Administration and Management, General

3 credit hours. 1 lecture hours. 20 lab hours.
Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, law and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry. Will demonstrate legal and ethical behavior, safety practices, interpersonal and team work skills. Will demonstrate written and verbal communication skills using the terminology of the occupation and the business/industry.

BUSG 1301 - Introduction to Business

3 credit hours. 3 lecture hours. 0 lab hours.
Fundamental business principles including structure, functions, resources, and operational processes.
Measurable Learning Outcomes:

Identify business functions of accounting, marketing and economics. Describe the relationships of social responsibility, ethics, and law. Describe the scope of global business enterprise.

BUSG 1303 - Principles of Finance

3 credit hours. 3 lecture hours. 0 lab hours.

Financial dynamics of a business. Includes monetary and credit theory, cash inventory, capital management, and consumer and government finance. Emphasizes the time value of money.

Measurable Learning Outcomes:

Identify the processes and structures of monetary policy. Relate the sources of capital to business, consumers, and government. Define the time value of money and its relationship to credit. Describe the characteristics of financial intermediaries and related markets.

BUSG 1341 - Small Business Financing

3 credit hours. 3 lecture hours. 0 lab hours.

Financial structure of a small business. Includes business financing, budgeting, record keeping, taxation, insurance, and banking.

Measurable Learning Outcomes:

Examine aspects of business financing. Estimate funds for starting a new business and purchasing or expanding an existing business. Prepare a budget. Identify types of financial records. Describe record keeping requirements. Identify tax matters pertaining to a small business. Describe the concepts of risk management.

BUSG 2309 - Small Business Management/Entrepreneurship

3 credit hours. 3 lecture hours. 0 lab hours.

Starting, operating, and growing a small business. Includes essential management skills, how to prepare a business plan, accounting, financial needs, staffing, marketing strategies, and legal issues.

Measurable Learning Outcomes:

Identify management skills for a small business. Outline issues related to choosing a business and obtaining a return on investment. Create a business plan.

BUSG 2317 - Business Law/Commercial

3 credit hours. 3 lecture hours. 0 lab hours.

The relationships of law and business as they relate to commercial transactions.

Measurable Learning Outcomes:

Define fundamental legal terminology in sales contracts, corporations, partnerships agency, creditors' rights, bankruptcy, and commercial papers. Identify rights, duties, and obligations in areas of sales, contracts, corporations, partnerships, agency, creditors' rights, bankruptcy, and commercial papers.

BUSI 1301 - Business Principles

3 credit hours. 3 lecture hours. 0 lab hours.

R W

The course provides a survey of economic systems, forms of business ownership, and considerations for running a business. Students will learn various aspects of business, management, and leadership functions; organizational considerations; and decision-making processes. Financial topics are introduced, including accounting, money and banking, and securities markets. Also included are discussions of business challenges in the legal and regulatory environment, business ethics, social responsibility, and international business. Emphasized is the dynamic role of business in everyday life.

Measurable Learning Outcomes:

Identify major business functions of accounting, finance, information systems, management, and marketing. Describe the relationships of social responsibility, ethics, and law in business. Explain forms of ownership, including their advantages and disadvantages. Identify and explain the domestic and international considerations for today's business environment: social, economic, legal, ethical, technological, competitive, and international. Identify and explain the role and effect of government on business. Describe the importance and effects of ethical dilemmas and ethical lapses. Describe basic financial statements and show how they reflect the activity and financial condition of a business. Explain the banking and financial systems, including the securities markets, business financing, and basic concepts of accounting. Explain integrity, ethics, and social responsibility as they relate to leadership and management. Explain the nature and functions of management. Identify strengths, weaknesses, opportunities, and threats of information technology for businesses.

BUSI 1307 - Personal Finance

3 credit hours. 3 lecture hours. 0 lab hours.

Personal and family accounts, budgets and budgetary control, bank accounts, charge accounts, borrowing, investing, insurance, standards of living, renting or home ownership, and wills and trust plans.

Measurable Learning Outcomes:

Examine aspects of personal and family accounts, budgets and budgetary control, bank accounts, charge accounts, borrowing, investing, insurance, standards of living, renting or home ownership, and wills and trust plans.

BUSI 2301 - Business Law

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: High school coursework in U.S. history and government, or equivalent.
R W
This course provides the student with foundational information about the U.S. legal system and dispute resolution, and their impact on business. The major content areas will include general principles of law, the relationship of business and the U.S. Constitution, state and federal legal systems, the relationship between law and ethics, contracts, sales, torts, agency law, intellectual property and business law in the global context.
Measurable Learning Outcomes:
Describe the origins and structure of the U.S. legal system. Describe the relationship of ethics and law in business. Define relevant legal terms in business. Explain basic principles of law that apply to business and business transactions. Describe business law in the global context. Describe current law, rules, and regulations related to settling business disputes.

Business Computer Information System

BCIS 1301 - Microcomputer Applications

3 credit hours. 2 lecture hours. 2 lab hours.
Overview of computer information systems. Introduces computer hardware, software, procedures, systems, and human resources and explores their integration and application in business and other segments in society. The fundamentals of computer problem solving and programming in a higher level programming language may be discussed and applied.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Use word processing, spreadsheet, database, and/or presentation software. Integrate applications to produce documents.

BCIS 1305 - Business Computer Applications

3 credit hours. 2 lecture hours. 4 lab hours.
Students will study computer terminology, hardware, and software related to the business environment. The focus of this course is on business productivity software applications and professional behavior in computing, including word processing (as needed), spreadsheets, databases, presentation graphics, and business-oriented utilization of the Internet.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Describe the fundamentals of Information Technology (IT) infrastructure components: hardware, software, and data communications systems. Explain the guiding principles of professional behavior in computing. Demonstrate proper file management techniques to manipulate electronic files and folders in a local and networked environment. Use business productivity software to manipulate data and find solutions to business problems. Explain the concepts and terminology used in the operation of application systems in a business environment. Identify emerging technologies for use in business applications. Complete projects that integrate business software applications.

BCIS 1331 - Programming in BASIC I

3 credit hours. 2 lecture hours. 2 lab hours.
Introduction to business programming techniques. Includes structured programming methods, designing customized software applications, testing documentation, input specification, and report generation.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:

Use structured programming techniques.

Develop executable programs.

Create appropriate documentation.

Create applicable graphical user interfaces.

BCIS 2390 - System Analysis & Design

3 credit hours. 3 lecture hours. 1 lab hours.
Analysis of business information needs and preparation of specifications and requirements for appropriate data system solutions. Includes instruction in information requirements analysis, specification development and writing, prototype evaluation, and

network application interfaces. This course is offered fall semester only.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Use system design tools. Identify phases of the system design life cycle. Develop a prototype. Compare and contrast project management tools. Develop documentation for the system life cycle.

Child Development

CDEC 1303 - Families, School and Community

3 credit hours. 3 lecture hours. 1 lab hours.
Study of the child, family, community, and schools. Includes parent education and involvement, family and community lifestyles, child abuse, and current family life issues. Course content is aligned with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Requires students to participate in a minimum of 16 hours field experience with children from infancy through age 12 in a variety of settings with varied and diverse populations.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Examine literature on parenting styles and effective parenting techniques. Discuss issues relating to families and communities. Review literature relating to diverse cultures and lifestyles. Practice ways to communicate and interact with parents and families. Recognize signs of abuse and neglect and describe ways to work effectively with abused and neglected children and their families.

CDEC 1311 - Educating Young Children

3 credit hours. 3 lecture hours. 1 lab hours.
An introduction to the education of the young child. Includes developmentally appropriate practices and programs, theoretical and historical perspectives, ethical and professional responsibilities, and current issues. Course content is aligned with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Requires students to participate in a minimum of 16 hours of field experience with children from infancy through age 12 in a variety of settings with varied and diverse populations.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Discuss the contributions of key historical and contemporary theorists to the field of early care and educations. Explain the features of a developmentally appropriate program for young children. Define development and define each of the four basic developmental domains (physical, cognitive, emotional, and social). Describe the types of early childhood programs. Analyze future trends and issues of the early care and education. Demonstrate an understanding of the characteristics and developmental stages of an early care and education professional.

CDEC 1317 - Child Development Associate Training I

3 credit hours. 2 lecture hours. 2 lab hours.
Prerequisites: Must have departmental approval prior to enrolling in this course.
Based on the requirements for the Child Development Associate credential (CDA). Topics include CDA overview, observation skills, and child growth and development. The four functional areas of study are creative, cognitive, physical, and communication. This course requires students to participate in 16 hours of relevant field experience.
Additional Fees: $24
Measurable Learning Outcomes:
I Identify methods to advance physical and intellectual competence. Describe the CDA process, develop observation skills and summarize child growth and development. Utilize skills in writing, speaking, teamwork, time management, creative thinking, and problem solving.

CDEC 1318 - Wellness of the Young Child

3 credit hours. 3 lecture hours. 1 lab hours.
Factors impacting the well-being of young children. Includes healthy behavior, food, nutrition, fitness, and safety practices. Focuses on local and national standards and legal implications of relevant policies and regulations. Course content is aligned with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Requires students to participate in a minimum of 16 hours field experience with children from infancy through age 12 in a variety of settings with varied and diverse populations.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Analyze principles of nutrition, evaluate nutrition assessment, and examine regulatory requirements for nutrition. Describe

community health problems, universal health precautions, legal implications regarding health and analyze environmental and personal hygiene. Describe principles of safety as they relate to children, evaluate regulations regarding child safety, safety procedures and children's environments for safety. Demonstrate skills in computation, record keeping, referrals and resources as they apply to nutrition, health, and safety.

CDEC 1321 - The Infant and Toddler

3 credit hours. 3 lecture hours. 1 lab hours.
A study of appropriate infant and toddler programs (birth to age 3), including an overview of development, quality routines, learning environments, materials and activities, and teaching/guidance techniques. This course requires students to participate in 16 hours of relevant field experience.
Additional Fees: Lab fee $24.
Measurable Learning Outcomes:
Summarize prenatal development and the birth process. Discuss theories of development as they apply to infants and toddlers. Outline growth and development of children from birth to age 3. Analyze components of teacher/child interactions and positive guidance techniques. Design learning environments. Select materials and activities for infants and toddlers.

CDEC 1354 - Child Growth and Development

3 credit hours. 3 lecture hours. 0 lab hours.
Physical, emotional, social, and cognitive factors impacting growth and development of children through adolescence.
Measurable Learning Outcomes:
Summarize principles of growth and development in the physical, cognitive, emotional, and social domains. Compare and contrast theories of development. Discuss the impact of developmental processes on early childhood practices. Discuss types and techniques of observation. Explain the importance of play. Demonstrate skills in application of developmental principles and theories, observation techniques and recognition of growth and developmental patterns.

CDEC 1356 - Emergent Literacy for Early Childhood

3 credit hours. 2 lecture hours. 2 lab hours.
An exploration of principles, methods, and materials for teaching young children language and literacy through a play-based integrated curriculum. This course requires students to participate in 16 hours of relevant field experience.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Define literacy and emergent literacy. Analyze various theories of language development. Describe the teacher's role in promoting emergent literacy. Create literacy environments for children. Select and share appropriate literature with children.

CDEC 1358 - Creative Arts for Early Childhood

3 credit hours. 2 lecture hours. 2 lab hours.
An exploration of principles, methods, and materials for teaching children music, movement, visual arts, and dramatic play through process-oriented experiences to support divergent thinking. This course requires students to participate in 16 hours of relevant field experience.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Define the creative process. Describe the role of play in a child's growth and development and developmental sequences for creative arts. Analyze teacher roles in enhancing creativity. Describe concepts taught through the creative arts and components of creative environments. Plan, implement, and assess child-centered activities for music, movement, visual arts, and dramatic play.

CDEC 1359 - Children with Special Needs

3 credit hours. 3 lecture hours. 0 lab hours.
A survey of information regarding children with special needs including possible causes and characteristics of exceptionalities, intervention strategies, available resources, referral processes, the advocacy role, and legislative issues.
Measurable Learning Outcomes:
Summarize causes, incidences and characteristics of exceptionalities related to the domains of development. Discuss current terminology and practices for intervention strategies. Identify appropriate community resources and referrals for individual children and families. Review legislation and legal mandates and their impact on practices and environment. Explain the role of advocacy for children with special needs and their families. Use various types of materials and resources, including current technology, to support learning in all domains for all children.

CDEC 1413 - Curriculum Resources for Early Childhood Programs

4 credit hours. 3 lecture hours. 2 lab hours.
A study of the fundamentals of developmentally appropriate curriculum design and implementation in early care and education programs for children. This course requires students to participate in 32 hours of relevant field experience.
Additional Fees: Lab fee $24

Measurable Learning Outcomes:
Define developmentally appropriate practices. Describe the process of child-centered curriculum development. Develop guidelines for creating learning environments. Apply an understanding of teacher roles in early childhood classrooms. Prepare a developmentally appropriate schedule including routines and transitions. Select, plan, implement, and evaluate developmentally appropriate learning experiences for children.

CDEC 1419 - Child Guidance

4 credit hours. 3 lecture hours. 2 lab hours.
An exploration of guidance strategies for promoting prosocial behaviors with individual and groups of children. Emphasis on positive guidance principles and techniques, family involvement and cultural influences. Practical application through direct participation with children. This course requires students to participate in 32 hours of relevant field experience.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Summarize theories related to child guidance. Explain how appropriate guidance promotes autonomy, self-discipline, and lifelong social skills in children. Analyze the impact and influence of families and culture in guiding children. Promote development of positive self-concept and prosocial behaviors in children. Apply appropriate guidance techniques to specific situations relating to children's behaviors and demonstrate skills in helping children resolve conflicts.

CDEC 2307 - Math and Science for Early Childhood

3 credit hours. 2 lecture hours. 2 lab hours.
An exploration of principles, methods, and materials for teaching children math and science concepts and process skills through discovery and play. This course requires students to participate in 16 hours of relevant field experience.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Relate the sequence of cognitive development to the acquisition of math and science concepts and describe the scientific process and its application to early care and education environments. Develop strategies which promote critical thinking and problem-solving skills in children. Utilize observation and assessment as a basis for planning discovery experiences for the individual child. Create, evaluate, and/or select developmentally appropriate materials, equipment, and environments to support the attainment of math and science concepts and skills.

CDEC 2315 - Diverse Cultural/Multilingual Education

3 credit hours. 2 lecture hours. 2 lab hours.
An overview of multicultural topics and education. Includes relationships with the family and community awareness and sensitivity to diversity, and individual needs of children. This course requires students to participate in 16 hours of relevant field experience.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Compare models of multicultural/multilingual education. Explore personal and institutional bias. Plan and evaluate multicultural environments and activities.

CDEC 2322 - Child Development Associate Training II

3 credit hours. 2 lecture hours. 2 lab hours.
A continuation of the study of the requirements for the Child Development Associate credential (CDA). The six functional areas of study include safe, healthy, learning environment, self, social, and guidance. In order to pursue CDA credential, the student must be employed in a childcare facility. This course requires students to participate in 16 hours of relevant field experience
Prerequisite: Must have departmental approval prior to enrolling in this course.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Explain methods to establish and maintain a safe, healthy, learning environment, describe ways to support social and emotional development and describe techniques used to provide positive guidance. Utilize skills in writing, speaking, problem-solving, time management, and record keeping.

CDEC 2324 - Child Development Associate Training III

3 credit hours. 2 lecture hours. 2 lab hours.
Prerequisites: Must have departmental approval prior to enrolling in this course.

Continuation of the requirements for the Child Development Associate credential (CDA). The three functional areas of study include family, program management and professionalism. In order to pursue CDA credential, the student must be employed in a childcare facility. This course requires students to participate in 16 hours of relevant field experience.
Additional Fees: Lab fee $24

Measurable Learning Outcomes:
Describe methods to establish positive and productive relationships with families. Explain methods to ensure a well-run, purposeful program responsive to participant needs. Identify how to maintain a commitment to professionalism. Utilize skills in writing, speaking, problem-solving, time management, and record keeping.

CDEC 2326 - Administration of Programs for Children I

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: TECA 1311 or CDEC 1311 and must have departmental approval prior to enrolling in this course.
Application of management procedures for early child care and education programs. Includes planning, operating, supervising, and evaluating programs. Topics cover philosophy, types of programs, policies, fiscal management, regulations, staffing, evaluation, and communication.
Measurable Learning Outcomes:
Analyze the planning functions. Evaluate the operational functions. Interpret the supervisory functions of an administrator. Summarize the evaluation of functions in an early care and education program. Analyze methods of effective communication. Utilize skills in speaking, writing, computations, and computer applications.

CDEC 2328 - Administration of Programs for Children II

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: TECA 1311 or CDEC 1311 and must have departmental approval prior to enrolling in this course.
An in-depth study of the skills and techniques in managing early care and education programs, including legal and ethical issues, personnel management, team building, leadership, conflict resolution, stress management, advocacy, professionalism, fiscal analysis and planning parent education/partnerships.
Measurable Learning Outcomes:
Discuss codes of conduct. Describe communication skills for effectively administering an early care and education program. Explain the administers role in advocacy. Describe personnel management skills necessary to administer programs. Explain legal issues which impact programs. Evaluate fiscal responsibilities of an administrator. Examine current technology and issues and discuss the importance of parent education/partnerships. Utilize skills in speaking, writing, computation, and technical applications.

CDEC 2384 - Cooperative Education-Child Development

3 credit hours. 1 lecture hours. 20 lab hours.
Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component. This course requires students to participate in 320 hours of relevant field experience.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialize materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

CDEC 2441 - The School Age Child

4 credit hours. 3 lecture hours. 2 lab hours.
A study of programs for the school age child (5 to 13 years), including an overview of development, learning environments, materials, and activities and teaching/guidance techniques. This course requires students to participate in 32 hours of relevant field experience.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Outline growth and development of the school age child. Analyze components of school age programs and elements of learning environments. Develop materials, activities and teaching and guidance strategies to use with school age children.

Child Development/Education

EDUC 1301 - Introduction to the Teaching Profession

3 credit hours. 3 lecture hours. 1 lab hours.
An enriched integrated pre-service course and content experience that provides active recruitment and institutional support of students interested in a teaching career, especially in high need fields; provides students with opportunities to participate in early field observations at all levels of P-12 schools with varied and diverse student populations; provides students with support from college and school faculty, preferably in small cohort groups, for the purpose of introduction to and analysis of the culture of schooling and classrooms. Course content is aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standard. Includes a minimum of 16 contact hours of field experience in P-12 classrooms.
Measurable Learning Outcomes:
Students will explore the advantages and disadvantages of being a teacher. Develop a clear understanding and working knowledge of diversity in the classroom. Acquire knowledge of the characteristics of effective teachers. Learn the history of American education. Develop a comprehensive view of curriculum offerings. Examine philosophies of education, theorist's teachings, and develop a personal philosophy. Acquire a basic knowledge of policies and laws regulating public and private education.

EDUC 2301 - Introduction to Special Populations

3 credit hours. 3 lecture hours. 1 lab hours.
Prerequisites: EDUC 1301.
An enriched integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspective of language, gender, socioeconomic status, ethnic, and academic diversity and equity with an emphasis on factors that facilitate learning; provides students with opportunities to participate in early field observations of P-12 special populations; includes 16 contact hours of field experience in P-12 classrooms with special populations. Course content is aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standard. This course usually offered in the spring semester.
Measurable Learning Outcomes:
Students will acquire knowledge and understanding of social cultural and linguistic factors that influence perceptions of difference, disability, quality of life, and services provided for individuals including those with special needs. Acquire knowledge of the Federal and State rules and regulations regarding the education of exceptional students with diverse learning styles. Improve their familiarity with and understanding of individual differences through service learning experiences and reflective interactions with individuals in the general education classroom. Students will acquire knowledge of the following concepts related to learning disabilities, cognitive disabilities, behavioral and emotional disorders, visual and/or hearing impairments, and physical disabilities and/or health impairments: assistive technology, special learning styles, family involvement and dynamics, educational and social/emotional characteristics, legal and theoretical definitions, and specific preparation for presentation of subject matter.

Chemistry

CHEM 1405 - Introductory Chemistry I

4 credit hours. 3 lecture hours. 3 lab hours.
R M
Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/consumer chemistry. Designed for non-science and allied health students. It also serves as a basic introductory course for students not majoring in science who wish to investigate some of the fundamentals of chemistry while meeting a physical science degree requirement. It covers the metric system, fundamental laws and theories, the structure of matter, formula and equation writing, periodic classification, gas laws, acid, bases, salts and solutions. Includes a laboratory portion related to the lecture material. The student should consult with an advisor relative to the use of this course in a degree sequence.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Classify matter, compounds, and chemical reactions. Determine the basic nuclear and electronic structure of atoms. Solve stoichiometric problems. Use the gas laws and basics of the Kinetic Molecular Theory to solve gas problems. Convert units of measure and demonstrate dimensional analysis skills. Use basic apparatus and apply experimental methodologies used in the chemistry laboratory. Demonstrate safe and proper handling of laboratory equipment and chemicals. Conduct basic laboratory experiments with proper laboratory techniques

CHEM 1407 - Introductory Chemistry II

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: CHEM 1405.

R W
This is a continuation of CHEM 1405. Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/consumer chemistry. Designed for non-science and allied health students. Other topics include radioactivity and nuclear changes, equilibrium systems, the pH scale, and chemical systems. Most of the semester is devoted to the study of carbon compounds with emphasis on physiological chemistry. Includes a laboratory portion related to the lecture material. The student should consult an advisor on the use of this course in a degree sequence.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Understand the general structure of the different organic families. Know the basic physical and chemical properties of the different organic families. Use appropriate nomenclature to name the different organic molecules. Understand the basic structure of the important bio-molecules. Understand the basic function of the important bio-molecules. Use basic apparatus and apply experimental methodologies used in the chemistry laboratory. Demonstrate safe and proper handling of laboratory equipment and chemicals. Conduct basic laboratory experiments with proper laboratory techniques.

CHEM 1408 - Introductory Chemistry II -- Introduction to Bio-Organic Chemistry

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: CHEM 1405
R W
This course is the equivalent of CHEM 1407 but with allied health emphasis. Survey course introducing chemistry. Topics may include inorganic, organic,biochemistry, food/physiological chemistry, and environmental/consumer chemistry. Designed for non-science and allied health students. Specific topics include radioactivity, classes of organic compounds and their reactions. Also included is the study of carbohydrates, proteins, lipids, DNA and RNA, and important substances in biological processes. Includes a laboratory portion related to the lecture material. The student should consult an advisor on the use of this course in a degree sequence.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Understand the general structure of the different organic families. Know the basic physical and chemical properties of the different organic families. Use appropriate nomenclature to name the different organic molecules. Understand the basic structure of the important bio-molecules. Understand the basic function of the important bio-molecules. Use basic apparatus and apply experimental methodologies used in the chemistry laboratory. Demonstrate safe and proper handling of laboratory equipment and chemicals. Conduct basic laboratory experiments with proper laboratory techniques.

CHEM 1411 - General Chemistry I

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: MATH 1314 College Algebra or consent of chemistry department chair. High school chemistry is strongly recommended.
R M
Fundamental principles of chemistry for majors in the sciences, health sciences, and engineering; topics include measurements, fundamental properties of matter, states of matter, chemical reactions, chemical stoichiometry, periodicity of elemental properties, atomic structure, chemical bonding, molecular structure, solutions, properties of gases, and an introduction to thermodynamics and descriptive chemistry. Chemical calculations are stressed. Basic laboratory experiments supporting theoretical principles presented in lecture; introduction of the scientific method, experimental design, data collection and analysis, and preparation of laboratory reports. This course integrates the lecture and laboratory courses.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Define the fundamental properties of matter. Classify matter, compounds, and chemical reactions. Determine the basic nuclear and electronic structure of atoms. Identify trends in chemical and physical properties of the elements using the Periodic Table. Describe the bonding in and the shape of simple molecules and ions. Solve stoichiometric problems. Write chemical formulas. Write and balance equations. Use the rules of nomenclature to name chemical compounds. Define the types and characteristics of chemical reactions. Use the gas laws and basics of the Kinetic Molecular Theory to solve gas problems. Determine the role of energy in physical changes and chemical reactions. Convert units of measure and demonstrate dimensional analysis skills. Use basic apparatus and apply experimental methodologies used in the chemistry laboratory. Demonstrate safe and proper handling of laboratory equipment and chemicals. Conduct basic laboratory experiments with proper laboratory techniques. Make careful and accurate experimental observations. Relate physical observations and measurements to theoretical principles. Interpret laboratory results and experimental data, and reach logical conclusions. Record experimental work completely and accurately in laboratory notebooks and

communicate experimental results clearly in written reports. Design fundamental experiments involving principles of chemistry. Identify appropriate sources of information for conducting laboratory experiments involving principles of chemistry.

CHEM 1412 - General Chemistry II

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: MATH 1314 passed CHEM 1411 with a C or better, OR equivalent academic prep as approved by department chair.
R W M
Chemical equilibrium; phase diagrams and spectrometry; acid-base concepts; thermodynamics; kinetics; electrochemistry; nuclear chemistry; an introduction to organic chemistry and descriptive inorganic chemistry. Basic laboratory experiments supporting theoretical principles presented in lecture; introduction of the scientific method, experimental design, chemical instrumentation, data collection and analysis, and preparation of laboratory reports.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: State the characteristics of liquids and solids, including phase diagrams and spectrometry. Articulate the importance of intermolecular interactions and predict trends in physical properties. Identify the characteristics of acids, bases, and salts, and solve problems based on their quantitative relationships. Identify and balance oxidation-reduction equations, and solve redox titration problems. Determine the rate of a reaction and its dependence on concentration, time, and temperature. Apply the principles of equilibrium to aqueous systems using LeChatelier's Principle to predict the effects of concentration, pressure, and temperature changes on equilibrium mixtures. Analyze and perform calculations with the thermodynamic functions, enthalpy, entropy, and free energy. Discuss the construction and operation of galvanic and electrolytic electrochemical cells, and determine standard and non-standard cell potentials. Define nuclear decay processes. Describe basic principles of organic chemistry and descriptive inorganic chemistry. Use basic apparatus and apply experimental methodologies used in the chemistry laboratory. Demonstrate safe and proper handling of laboratory equipment and chemicals. Conduct basic laboratory experiments with proper laboratory techniques. Make careful and accurate experimental observations. Relate physical observations and measurements to theoretical principles. Interpret laboratory results and experimental data, and reach logical conclusions. Record experimental work completely and accurately in laboratory notebooks and communicate experimental results clearly in written reports. Design fundamental experiments involving principles of chemistry and chemical instrumentation. Identify appropriate sources of information for conducting laboratory experiments involving principles of chemistry.

CHEM 2423 - Organic Chemistry I

4 credit hours. 3 lecture hours. 4 lab hours.
Prerequisites: CHEM 1412
R W
Fundamental principles of organic chemistry will be studied, including the structure, bonding, properties, and reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. The lecture and laboratory portions are integrated together in this course. Laboratory activities will reinforce fundamental principles of organic chemistry, including the structure, bonding, properties, and reactivity of organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. Methods for the purification and identification of organic compounds will be examined. THIS COURSE IS INTENEDED FOR STUDENTS IN SCIENCE OR PRE-PROFESSIONAL PROGRAMS.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Classify organic compounds by structure, molecular orbitals, hybridization, resonance, tautomerism, polarity, chirality, conformation, and functionality in lecture and lab. Identify organic molecules using appropriate organic nomenclature in lecture and lab. Describe the principle reactions for syntheses of molecules, ions, and radicals. Describe organic reactions in terms of radical and ionic mechanisms in lecture and lab. Describe the use of spectroscopic data to determine the structure of organic molecules. Formulate appropriate reaction conditions for the synthesis of simple organic molecules. Perform chemical experiments, analysis procedures, and waste disposal in a safe and responsible manner. Utilize scientific tools such as glassware and analytical instruments to collect and analyze data. Identify and utilize appropriate separation techniques such as distillation, extraction, and chromatography to purify organic compounds. Record experimental work completely and accurately in laboratory notebooks, and communicate experimental results clearly in written

reports. Demonstrate a basic understanding of stereochemistry. Perform organic syntheses of molecules. Use spectroscopic data to determine the structure of organic molecules. Formulate appropriate reaction conditions for the synthesis of simple organic molecules.

CHEM 2425 - Organic Chemistry II

4 credit hours. 3 lecture hours. 4 lab hours.
Prerequisites: CHEM 2423.
R W
This course is a continuation of CHEM 2423. Advanced principles of organic chemistry will be studied, including the structure, properties, and reactivity of aliphatic and aromatic organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. Lecture and laboratory portions are integrated together in this course. Laboratory activities will reinforce advanced principles of organic chemistry, including the structure, properties, and reactivity of aliphatic and aromatic organic molecules; and properties and behavior of organic compounds and their derivatives. Emphasis is placed on organic synthesis and mechanisms. Includes study of covalent and ionic bonding, nomenclature, stereochemistry, structure and reactivity, reaction mechanisms, functional groups, and synthesis of simple molecules. THIS COURSE IS INTENDED FOR STUDENTS IN SCIENCE OR PRE-PROFESSIONAL PROGRAMS.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Correlate molecular structure with physical and chemical properties of aliphatic and aromatic organic molecules. Predict the mechanism and outcome of aliphatic and aromatic substitution and elimination reactions, given the conditions and starting materials. Predict the chirality of reaction products based on enantiomeric and diastereomeric relationships. Describe reaction mechanisms in terms of energetics, reaction kinetics, and thermodynamics. Use spectroscopic techniques to characterize organic molecules and subgroups. Perform chemical experiments, analysis procedures, and waste disposal in a safe and responsible manner. Utilize scientific tools such as glassware and analytical instruments to collect and analyze data. Identify and utilize appropriate separation techniques such as distillation, extraction, and chromatography to purify organic compounds. Record experimental work completely and accurately in laboratory notebooks, and communicate experimental results clearly in written reports.

Criminal Justice

CJCR 1307 - Correctional Systems and Practices

3 credit hours. 3 lecture hours. 0 lab hours.
R W
Corrections in the criminal justice systems, organization of correctional systems, correctional role, institutional operations, alternatives to institutionalization, treatment and rehabilitation, current and future issues.
Measurable Learning Outcomes:
Describe historical trends. Identify the organization and role of corrections. Distinguish operations and procedure within correctional programs. Appraise rehabilitation, alternatives to institutionalization and future issues.

CJCR 1380 - Cooperative Education-Corrections

3 credit hours. 1 lecture hours. 20 lab hours.
Career-related activities encountered in the student’s area of specialization offered through as individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experiences. Includes a lecture component.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

CJCR 2324 - Community Resources in Corrections

3 credit hours. 3 lecture hours. 0 lab hours.

R W

An introductory study of the role of the community in corrections, community programs for adults and juveniles, administration of community programs, legal issues, and future trends in community treatment.

Measurable Learning Outcomes:

Identify alternatives to incarceration. Compare and contrast the strengths and weaknesses inherent in contemporary models of intermediate sanctions. Appraise future trends in community treatment options.

CJCR 2380 - Cooperative Education-Corrections

3 credit hours. 1 lecture hours. 20 lab hours.

Career-related activities encountered in the student's area of specialization offered through as individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experiences. Includes a lecture component.

Measurable Learning Outcomes:

As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

CJLE 2247 - Tactical Skills for Police

2 credit hours. 1 lecture hours. 1 lab hours.

Development of proficiency with a range of impact weapons and/or chemical agents and defensive techniques necessary to control violent person.

Additional Fees: Lab fee $24

Measurable Learning Outcomes:

Demonstrate proficiency with intermediate impact weapons and/or chemical weapons. Demonstrate defensive techniques for controlling violent persons.

CJSA 1312 - Crime in America

3 credit hours. 3 lecture hours. 0 lab hours.

R W

American crime problems in historical perspective, social and public policy factors affecting crime, impact and crime trends, social characteristics of specific crimes, prevention of crime.

Measurable Learning Outcomes:

Explain the psychological, social, and economic impact of crime in society. Identify characteristics of major crimes, the impact on society and the prevention thereof.

CJSA 1313 - Court Systems and Practices

3 credit hours. 3 lecture hours. 0 lab hours.

R W

The judiciary in the criminal justice system, structure of the American court system, prosecution; right to counsel, pre-trial release, grand juries, adjudication process, types and rules of evidence, sentencing.

Measurable Learning Outcomes:

Describe the American judiciary system and its structure. Identify the roles of judicial officers. Identify the trial processes from pretrial to sentencing. Interpret the role of evidence.

CJSA 1317 - Juvenile Justice System

3 credit hours. 3 lecture hours. 0 lab hours.

R W

A study of the juvenile justice process to include specialized juvenile law, role of the juvenile law, role of the juvenile courts, role of police agencies, role of correctional agencies, and theories concerning delinquency.

Measurable Learning Outcomes:

Describe the juvenile law and the role of juvenile courts. Explain the roles of police and correctional agencies concerning delinquency. Review and contrast the theories of delinquent conduct.

CJSA 1322 - Introduction to Criminal Justice

3 credit hours. 3 lecture hours. 0 lab hours.

R W

History and philosophy of criminal justice and ethical considerations, crime defined, its nature and impact, overview of criminal justice system, law enforcement, court system, prosecution and defense, trial process, corrections.

Measurable Learning Outcomes:
Describe and explain the history, philosophy and ethical considerations of criminal justice. Define the nature and impact of crime on society and how it is integrated in to the criminal justice system. Distinguish between the civil and criminal court systems. Interpret the relationship between the components of the criminal justice system.

CJSA 1325 - Criminology

3 credit hours. 3 lecture hours. 0 lab hours.
R W
Current theories and empirical research pertaining to crime and criminal behavior and its causes, methods of prevention, systems of punishment, and rehabilitation.
Measurable Learning Outcomes:
Identify and explain the various theories of causation of criminal behavior. Identify and appraise the avenue of prevention. Outline the various research methods/methodology used in criminological research. Identify the categories and sources of criminological data utilized in interpreting crime trends.

CJSA 1327 - Fundamentals of Criminal Law

3 credit hours. 3 lecture hours. 0 lab hours.
R W
A study of the nature of criminal law, philosophical and historical development, major definitions and concepts, classification of crime, elements of crimes and penalties using Texas statutes as illustrations, criminal responsibility.
Measurable Learning Outcomes:
Explain the historical and philosophical development of the nature of criminal law. Describe definitions and concepts of criminal law and the classifications of crimes and penalties using Texas statutes as illustrations. List the elements of crimes using the Texas statutes as an illustration. Discuss criminal responsibilities as they apply to the criminal statutes.

CJSA 1342 - Criminal Investigation

3 credit hours. 3 lecture hours. 0 lab hours.
R W
Investigative theory, collection and preservation of evidence, sources of information, interview and interrogation, uses of forensic sciences, case and trial preparation.
Measurable Learning Outcomes:
Define the goals and objectives of criminal investigation. Demonstrate ability to conduct proper crime scene investigations. Illustrate the use of forensic science for various statutory offenses. Organize the criminal case including field notes, reports, crime scene activities and mandatory documentation of statutory warning.

CJSA 1359 - Police System and Practices

3 credit hours. 3 lecture hours. 0 lab hours.
R W
The police profession, organization of law enforcement systems, the police role, police discretion, ethics, police-community interaction, current and future issues.
Measurable Learning Outcomes:
Explain the application of ethics, discretion, and sensitivity to the police profession and describe the organization of law enforcement systems and its relationship to current and future issues.

CJSA 1382 - Cooperative Education I-Criminal Justice Studies

3 credit hours. 1 lecture hours. 20 lab hours.
Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

CJSA 2300 - Legal Aspects of Law Enforcement

3 credit hours. 3 lecture hours. 0 lab hours.
R W
Police authority, responsibilities, constitutional constraints, laws of arrest, search and seizure, police liability.
Measurable Learning Outcomes:

Define police authority and explain the responsibilities and constitutional restraints as enumerated in the Texas Constitution, United States Constitution, and Bill of Rights. Outline the law of arrest and search and seizure developed through court decisions and describe the criminal and civil liability that result from improper acts and/or the failure to act.

CJSA 2382 - Cooperative Education II-Criminal Justice Studies

3 credit hours. 1 lecture hours. 20 lab hours.

Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.

Measurable Learning Outcomes:

As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

CRIJ 1301 - Introduction to Criminal Justice

3 credit hours. 3 lecture hours. 0 lab hours.

R W

This course provides a historical and philosophical overview of the American criminal justice system, including the nature, extent, and impact of crime; criminal law; and justice agencies and processes..

Measurable Learning Outcomes:

Describe the history and philosophy of the American criminal justice system. Explain the nature and extent of crime in America. Analyze the impact and consequences of crime. Evaluate the development, concepts, and functions of law in the criminal justice system. Describe the structure of contemporary federal, state, and local justice agencies and processes.

CRIJ 1306 - Court Systems and Practices

3 credit hours. 3 lecture hours. 0 lab hours.

R W

This course is a study of the court system as it applies to the structures, procedures, practices and sources of law in American courts, using federal and Texas statutes and case law.

Measurable Learning Outcomes:

Describe the American judicial systems (civil, criminal, and juvenile), their jurisdiction, development and structure. Analyze the function and dynamics of the courtroom work group. Identify judicial processes from pretrial to appeal. Describe the significant Constitutional Amendments, doctrines, and other sources of law in the American judicial system.

CRIJ 1307 - Crime in America

3 credit hours. 3 lecture hours. 0 lab hours.

R W

American crime problems in historical perspective, social and public policy factors affecting crime, impact and crime trends, social characteristics of specific crimes, and prevention of crime.

Measurable Learning Outcomes:

Explain the psychological, social, and economic impact of crime in society. Identify characteristics of major crimes, the impact on society and the prevention thereof.

CRIJ 1310 - Fundamentals of Criminal Law

3 credit hours. 3 lecture hours. 0 lab hours.

R W

This course is the study of criminal law including application of definitions, statutory elements,defenses and penalties using Texas statutes, the Model Penal Code, and case law. The course also analyzes the philosophical and historical development of criminal law and criminal culpability.

Measurable Learning Outcomes:

Identify the elements of crimes and defenses under Texas statutes, Model Penal Code, and case law. Classify offenses and articulate penalties for various crimes. Compare culpable mental states when assigning criminal responsibility. Assess the impact of history and philosophy on current criminal justice such as law enforcement and corrections.

CRIJ 1313 - Juvenile Justice System

3 credit hours. 3 lecture hours. 0 lab hours.

R W

A study of the juvenile justice process to include specialized juvenile law, role of juvenile law, role of juvenile courts, role of police agencies, role of correctional agencies, and theories concerning delinquency.

Measurable Learning Outcomes:
Describe the juvenile law and the role of juvenile courts. Explain the roles of police and correctional agencies concerning delinquency. Review and contrast the theories of delinquent conduct.

CRIJ 2301 - Community Resources in Corrections

3 credit hours. 3 lecture hours. 0 lab hours.
R W
An introductory study of the role of the community in corrections; community programs for adults and juveniles; administration of community programs; legal issues; future trends in community treatment.
Measurable Learning Outcomes:
Identify alternatives to incarceration. Compare and contrast the strengths and weaknesses inherent in contemporary models of intermediate sanctions. Appraise future trends in community treatments options.

CRIJ 2313 - Correctional Systems and Practices

3 credit hours. 3 lecture hours. 0 lab hours.
R W
This course is a survey of institutional and non-institutional corrections. Emphasis will be placed on the organization and operation of correctional systems; treatment and rehabilitation; populations served; Constitutional issues; and current and future issues.
Measurable Learning Outcomes:
describe the organization and operation of correctional systems and alternatives to institutionalization. Describe treatment and rehabilitative programs. Differentiate between the short-term incarceration and long-term institutional environments. Evaluate current and future correctional issues. Identify the Constitutional rights applicable to the correctional setting.

CRIJ 2314 - Criminal Investigation

3 credit hours. 3 lecture hours. 0 lab hours.
R W
Investigative theory; collection and preservation of evidence; sources of information; interview and interrogation; uses of forensic sciences; case and trial preparation.
Measurable Learning Outcomes:
Define the goals and objectives of criminal investigation. Demonstrate ability to conduct proper crime scene investigations. Illustrate the use of forensic science for various statutory offenses. Organize the criminal case including field notes, reports, crime scene activities, and mandatory documentation of statutory warning.

CRIJ 2323 - Legal Aspects of Law Enforcement

3 credit hours. 3 lecture hours. 0 lab hours.
R W
Police authority; responsibilities; constitutional constraints; laws of arrest, search, and seizure; police liability.
Measurable Learning Outcomes:
Define police authority and explain the responsibilities and constitutional restraints as enumerated in the Texas Constitution, United States Constitution, and Bill of Rights. Outline the law of arrest and search and seizure developed through court decisions and describe the criminal and civil liability that result from improper acts and/or the failure to act.

CRIJ 2328 - Police Systems and Practices

3 credit hours. 3 lecture hours. 0 lab hours.
R W
This course examines the establishment, role and function of police in a democratic society. It will focus on types of police agencies and their organizational structure, police-community interaction, police ethics, and use of authority.
Measurable Learning Outcomes:
Describe the types of police agencies and explain the role of police in America within the context of a democratic society. Describe means and methods utilized to ensure police accountability. Explain the historical development of policing. Describe the selection process for police officers. Compare and contrast organizational structures, policies, strategies and tactics employed to ensure police effectiveness, efficiency and equity.

Computer Science

COSC 1301 - Introduction to Computing

3 credit hours. 2 lecture hours. 2 lab hours.
Overview of computer systems--hardware, operating systems, and microcomputer application software, including the internet, word processing, spreadsheets, presentation graphics and databases. Current issues such as the effect of computers on society, and the history and use of computers in business, educational, and other modern settings are also studied. This course is not intended to count toward a student's major field of study in business or computer science.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Identify the components of a computer system. Use common applications. Explain the impact of computers on society. Identify computer careers. Identify fundamental programming structures. Identify ethical use of computers. Use basic operating system functions.

COSC 1309 - Logic Design

3 credit hours. 3 lecture hours. 0 lab hours.
A discipline approach to problem solving with structured techniques and representation of algorithms using pseudo code and graphical tools. Discussion of methods for testing, evaluation and documentation.
Measurable Learning Outcomes:
Identify the major concepts of structured programming. Illustrate the general concepts of structured design. Use design tools. Solve problems using logic techniques. Produce documented algorithms.

COSC 1336 - Programming Fundamentals I

3 credit hours. 2 lecture hours. 2 lab hours.
This course introduces the fundamental concepts of structured programming, and provides a comprehensive introduction to programming for computer science and technology majors. Topics include software development methodology, data types, control structures, functions, arrays, and the mechanics of running, testing, and debugging. This course assumes computer literacy. (This course is included in the Field of Study Curriculum for Computer Science.)
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Describe how data are represented, manipulated, and stored in a computer. Categorize different programming languages and their use. Understand and use the fundamental concepts of data types, structured programming, algorithmic design and user interface design. Demonstrate a fundamental understanding of software development and methodologies, including modular design, pseudo code, flow-charting, structure charts, data-types, control structures, functions, and arrays. Develop projects that utilize logical algorithms from specifications and requirements statements. Demonstrate appropriate design, coding, testing, and documenting of computer programs that implement project specifications and requirements. Apply computer programming concepts to new problems or situations.

COSC 1437 - Programming Fundamentals II

4 credit hours. 3 lecture hours. 2 lab hours.
Prerequisites: COSC 1336
This course focuses on the object-oriented programming paradigm, emphasizing the definition and use of classes along with fundamentals of object-oriented design. This course includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering processes. Students will apply techniques for testing and debugging software. (This course in included in the Field of Study Curriculum for Computer Science.)
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Identify and explain a programming development life-cycle, including planning, analysis, design, development, and maintenance. Demonstrate a basic understanding of object-oriented programming by using structures (structs) and classes in software projects. Use object-oriented programming techniques to develop executable programs that include elements such as inheritance and polymorphism. Document and format code in a consistent manner. Apply basic searching an sorting algorithms in software design. Apply single-and multi-dimensional arrays in software. Use a symbolic debugger to find and fix run-time and logical errors in software.

COSC 2430 - Advanced Structured Languages

4 credit hours. 3 lecture hours. 2 lab hours.
Further applications of programming techniques. Topics may include file access methods, data structures and modular programming, program testing and documentation, and other topics not normally covered in an introductory computer-programming course. JAVA is the language used. This course is offered in the summer semester.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Design and write documented JAVA applications and applets.

COSC 2436 - Programming Fundamentals III

4 credit hours. 3 lecture hours. 2 lab hours.
Prerequisites: COSC 1437
Further applications of programming techniques, introducing the fundamental concepts of data structures and algorithms. Topics include recursion, fundamental data structures (including stacks, queues, linked lists, hash tables, trees, and graphs), and algorithmic analysis. This course is offered in the fall semester.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Develop well documented programs containing complex data structures. Incorporate complex input/output and file handling techniques. Create classes incorporating object-oriented techniques. Use data abstraction, polymorphism, and exception handling.

Computer Installation and Repair Technology/Technician

CPMT 1303 - Introduction to Computer Technology

3 credit hours. 2 lecture hours. 2 lab hours.
A fundamental computer course that provides explanation of the procedures to utilize hardware and software. Emphasis on terminology, acronyms, and hands-on activities.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Define terms, expressions and phrases associated with computers. Use basic commands in various applications.

CPMT 1304 - Microcomputer System Software

3 credit hours. 2 lecture hours. 2 lab hours.
Skill development in the installation, configuration, maintenance and troubleshooting of system software in microcomputers. Topics may include operating systems, utility software and other software affecting the basic operation of a microcomputer system, such as iPhone, iPad and Android devices. Student must provide their own device.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Describe major functions performed by microcomputer systems software. Install, configure, and troubleshoot system software.

CPMT 1311 - Introduction to Computer Maintenance

3 credit hours. 2 lecture hours. 4 lab hours.
Introduction to the installation, configuration, and maintenance of a microcomputer system.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Identify modules that make up a computer system and its operation. Identify each type of computer bus structure. Assemble/setup microcomputer systems and adapter/interface boards. Install/connect associated peripherals.

CPMT 1345 - Computer Systems Maintenance

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: CPMT 1311.
A study of the components within a computer system. Development of testing and troubleshooting skills.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Describe the functions of components in a computer system. Use computer related test equipment. Demonstrate the effective use of maintenance tools.

CPMT 2349 - Advanced Computer Networking Technology

3 credit hours. 2 lecture hours. 4 lab hours.
Network technology emphasizing network operating systems, network connectivity, hardware, and software. Includes implementation, troubleshooting, and maintenance of LAN and/or WAN network environments.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Create a complex network with multilevel access and security; provide routine maintenance; implement troubleshooting and diagnostic procedures.

CPMT 2402 - Home Technology Integration

4 credit hours. 3 lecture hours. 2 lab hours.
A study of integration and maintenance of various home technology subsystems. Includes home automation, security and

surveillance, home networks, video and audio networks, and structured wiring.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Design, install, integrate, and maintain various subsystems. Create an automated home control systems.

CPMT 2445 - Computer System Troubleshooting

4 credit hours. 3 lecture hours. 2 lab hours.
Principles and practices involved in computer system troubleshooting techniques and repair procedures including advanced diagnostic test programs and the use of specialized test equipment.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Develop hardware and software troubleshooting techniques and perform procedures used in troubleshooting.

Dance

DANC 1241 - Ballet I

2 credit hours. 1 lecture hours. 2 lab hours.
Instruction and participation in ballet technique.
Measurable Learning Outcomes:
1. To introduce the basics of Ballet technique and vocabulary.
2. Develop proficiency in posture, balance, co-ordination, rhythm awareness and flow of physical energy through the art form.
3. To demonstrate understanding and knowledge of dance abilities by writing a critique of a dance performance, utilizing appropriate vocabulary and terms.

DANC 1247 - Jazz I

2 credit hours. 1 lecture hours. 2 lab hours.
Development of basic principles and theories involved in composition. Emphasis is placed on movement principles, group and structured forms of jazz dance style.
Measurable Learning Outcomes:
1. To introduce the basics of Jazz dance technique and vocabulary.
2. Develop proficiency in basic motor skills, rhythm awareness, flow of physical energy, and styles of movement through the art form.
3. To demonstrate understanding and knowledge of dance abilities by writing a critique of a dance performance, utilizing appropriate vocabulary and terms.

DANC 1248 - Jazz II

2 credit hours. 1 lecture hours. 2 lab hours.
Prerequisites: DANC 1247
Instruction and participation in jazz dance technique.
Measurable Learning Outcomes:
1. Further examine the basics of Jazz dance technique and to explore Jazz movement.
2. To develop technique, rhythm awareness, Jazz Styles, and rhythmic combinations of movement.
3. To demonstrate understanding and knowledge of dance abilities by writing a critique of a dance performance, utilizing appropriate vocabulary and terms.

Drafting

DFTG 1305 - Technical Drafting

3 credit hours. 2 lecture hours. 4 lab hours.
Introduction to the principles of drafting to include terminology and fundamentals, including size and shape descriptions, projection methods, geometric construction, sections, and auxiliary views.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Create technical sketches, geometric constructions, orthographic projections, pictorial/sectional views, dimension drawings, and apply lettering techniques.

DFTG 1309 - Basic Computer-Aided Drafting

3 credit hours. 2 lecture hours. 4 lab hours.
An introduction to computer-aided drafting. Emphasis is placed on setup; creating and modifying geometry; storing and retrieving predefined shapes; placing, rotating, and scaling objects, adding text and dimensions, using layers, coordinate systems, and plot/print to scale.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Identify terminology and basic functions used with CAD software. Use CAD hardware and software to create, organize, display, and plot/print working drawings. Use file management techniques.

DFTG 1317 - Architectural Drafting - Residential

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: DFTG 1309 and DFTG 1305.
Architectural drafting procedures, practices, terms, and symbols. Preparation of detailed working drawings for residential structures. Emphasis on light frame construction methods.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Utilize architectural terms, symbols, residential construction materials, and processes to produce a set of residential construction drawings including site plan, floor plan, elevations, wall sections, schedules, details, and foundation plan using reference materials.

DFTG 1325 - Blueprint Reading and sketching

3 credit hours. 3 lecture hours. 1 lab hours.
An introduction to reading and interpreting working drawings for fabrication processes and associated trades. Use of sketching techniques to create pictorial and multiple-view drawings.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Interpret working drawings including dimensions, notes, symbols, sections, and auxiliary views; and sketch pictorials and multi-view drawings.

DFTG 1358 - Electrical/Electronics Drafting

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: DFTG 1309 and DFTG 1305.
Electrical and electronic drawings stressing modern representation used for block diagrams, schematic diagrams, logic diagrams, wiring/assembly drawings, printed circuit board layouts, motor control diagrams, power distribution diagrams, and electrical one-line diagrams.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Layout components and symbols, both electronic and electrical. Apply basic math and the theory of electricity. Utilize component identification including schematics, block, wiring, and logic. Perform diagram construction and drafting.

DFTG 2302 - Machine Drafting

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: DFTG 1309 and DFTG 1305.
Production of detail and assembly drawings of machines, threads, gears, utilizing tolerances, limit dimensioning, and surface finishes.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Interpret terms used in tolerancing. Identify dimensions of two mating parts. Draw spur and/or bevel gears. Draw details and assemblies. Identify interference and clearance fits. Identify types of threads forms. Interpret thread notes.

DFTG 2306 - Machine Design

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: DFTG 2302.
Theory and practice of design. Projects in problem-solving, including press fit, bolted and welded joints, and transmission components.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Utilize the steps used in the design process, terminology, mechanical processes to produce drawings.

DFTG 2312 - Technical Illustration and Presentation

3 credit hours. 2 lecture hours. 4 lab hours.
Study of pictorial drawings including isometrics, obliques, perspectives, charts, and graphs. Emphasis on rendering and using different media.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Identify the processes used in technical illustration and produce pictorial drawings for use in technical presentation.

DFTG 2319 - Intermediate Computer-Aided Drafting

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: DFTG 1309 and DFTG 1305.
A continuation of practices and techniques used in basic computer-aided drafting including the development and use of prototype drawings, construction of pictorial drawings, extracting data and basics of 3D.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Produce 2D and 3D drawings, pictorial drawings. Use external referencing of multiple drawings to construct a composite drawing. Import and extract data utilizing attributes.

DFTG 2321 - Topographical Drafting

3 credit hours. 2 lecture hours. 4 lab hours.
Plotting of surveyor's field notes. Includes drawing elevations, contour lines, plan and profiles, and laying out traverses.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Interpret survey data and topographic symbols. Produce topographical drawings.

DFTG 2328 - Architectural Drafting – Commercial

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: DFTG 2319.
Architectural drafting procedures, practices, governing codes, terms, and symbols including the preparation of detailed working drawings for a commercial building, with emphasis on commercial construction methods.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Apply commercial construction materials and processes. Produce a set of commercial construction drawings including a site plan, floor plans, reflected ceiling plan, sections, elevations, schedules, and details.

DFTG 2330 - Civil Drafting

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: DFTG 2319.
An in-depth study of drafting methods and principles used in civil engineering.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Interpret field notes. Develop documents for a civil project. Analyze and layout drainage and utilities infrastructure. Perform related calculations.

DFTG 2331 - Advanced Technologies in Architectural Design and Drafting

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: DFTG 1317.
Use of architectural specific software to execute the elements required in designing standard architectural exhibits utilizing custom features to create walls, windows and specific design requirements for construction in residential/ commercial and industrial architecture. Autodesk Revit Architecture is the preferred software.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Use architectural techniques to design, assemble, evaluate, and render architectural building components. Develop plan and elevation drawings and details from three-dimensional architectural models.

DFTG 2332 - Advanced Computer-Aided Drafting

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: DFTG 2319.
Application of advanced CAD techniques.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Use a customized CAD system to create documents and/or solid models. Use OLE with external software.

DFTG 2340 - Solid Modeling/Design

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: DFTG 2319.
A computer-aided modeling course. Development of three-dimensional drawings and models from engineering sketches and orthographic drawings and utilization of three-dimensional models in design work.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Create three-dimensional solid model objects. Generate pictorial and orthographic drawings.

DFTG 2380 - Cooperative Education — Drafting and Design Technology/Technician, General

3 credit hours. 1 lecture hours. 20 lab hours.
Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry. Demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communications skills using the terminology of the occupation and the business/industry.

DFTG 2438 - Final Project-Advanced Drafting

4 credit hours. 2 lecture hours. 4 lab hours.
A drafting course in which students participate in a comprehensive project from conception to conclusion.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Conceptualize, design and present a complete project in a prescribed discipline. Integrate problem solving and related technologies to identify solutions. Use discipline specific industry standards, and produce documentation.

Dental Hygiene

DHYG 1103 - Preventive Dental Hygiene Care

1 credit hours. 1 lecture hours. 1 lab hours.
Prerequisites: DHYG 1301, DHYG 1227
Corequisites: DHYG 1431, DHYG 1304 , DHYG 2201.
R W M
The role of the dental hygienist as a therapeutic health care provider with emphasis on concepts of disease management, health promotion, communication, and behavior modification.
Measurable Learning Outcomes:
Describe the role of the dental hygienist as a therapeutic oral health care provider; develop and implement a patient education plan for mild periodontal disease; and explain the concepts of disease management.

DHYG 1207 - General and Dental Nutrition

2 credit hours. 2 lecture hours. 0 lab hours.
Prerequisites: DHYG 1431, DHYG 1304 , DHYG 2201.
Corequisites: DHYG 1311, DHYG 1260, DHYG 2231
R W M
General nutrition and nutritional biochemistry emphasizing the effect nutrition has on oral health.
Measurable Learning Outcomes:
Explain general nutritional requirements and deficiencies within the human body; analyze dietary records and apply nutritional counseling strategies to optimize oral health.

DHYG 1219 - Dental Materials

2 credit hours. 1 lecture hours. 4 lab hours.
Prerequisites: DHYG 1311, DHYG 1260, DHYG 1207, DHYG 2231
Corequisites: DHYG 1235.
R W M
Physical and chemical properties of dental materials including the application and manipulation of the various materials used in dentistry.
Additional Fees: Dental materials fee $40.
Measurable Learning Outcomes:
Differentiate between the various types of dental materials and their respective properties; and manipulate materials used in dentistry.

DHYG 1227 - Preventive Dental Hygiene Care

2 credit hours. 2 lecture hours. 0 lab hours.
Prerequisites: DHYG 1301.
R W M
The Role of the dental hygienist as a therapeutic oral health care provider with emphasis on concepts of disease management, health promotion, communication, and behavior modification.
Measurable Learning Outcomes:
Describe the role of the dental hygienist as a therapeutic oral health care provider; develop and implement a patient education plan for periodontal disease; and explain the concepts of disease management.

DHYG 1235 - Pharmacology for the Dental Hygienist

2 credit hours. 2 lecture hours. 0 lab hours.
Prerequisites: DHYG 1311, DHYG 1260, DHYG 1207, DHYG 2231
Corequisites: DHYG 1219.
R W M
Classification of drugs and their uses, actions, interactions, side effects, contraindications, with emphasis on dental applications.
Measurable Learning Outcomes:
Differentiate the classification of drugs; identify the uses, actions, and contraindications of drugs; and recognize systemic and oral manifestations associated with their use.

DHYG 1239 - General and Oral Pathology

2 credit hours. 2 lecture hours. 0 lab hours.
Prerequisites: DHYG 1235, DHYG 1219
Corequisites: DHYG 2361, DHYG 1315.
R W M
Disturbances in human body development, diseases of the body, and disease prevention measures with emphasis on the oral cavity and associated structures.
Measurable Learning Outcomes:
Differentiate between normal and abnormal conditions of the human body with emphasis on the oral cavity; and identify the major principles for disease prevention.

DHYG 1260 - Clinical Dental Hygienist I

2 credit hours. 0 lecture hours. 12 Clinical Hours. 0 lab hours.
Prerequisites: DHYG 1431, DHYG 1103, DHYG 1304, DHYG 2201.
Corequisites: DHYG 1311, DHYG 1207, DHYG 2231
R W M
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional.
Additional Fees: $48
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

DHYG 1291 - Special Topics in Dental Hygiene

2 credit hours. 1 lecture hours. 4 lab hours.
Prerequisites: DHYG 2361, DHYG 1315, DHYG 1239
Corequisites: DHYG 2262, DHYG 2153

R W M
Topics address recently identified current events, skills, knowledge, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student. This course was designed to be repeated multiple times to improve student proficiency.
Additional Fees: $24
Measurable Learning Outcomes:
Learning outcomes/objectives are determined by local occupational need and business and industry trends.

DHYG 1301 - Orofacial Anatomy, Histology and Embryology

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: Formal admission to the Dental Hygiene Program.
Corequisites: DHYG 1227.
R W M
The histology and embryology of oral tissues, gross anatomy of the head and neck, tooth morphology, and individual tooth identification.
Additional Fees: $30
Measurable Learning Outcomes:
Identify the histological and embryological development of the orofacial structures; locate the major structures of the head and neck; and compare and contrast various teeth including the crown and root morphology.

DHYG 1304 - Dental Radiology

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: DHYG 1301, DHYG 1227
Corequisites: DHYG 1103, DHYG 2201, DHYG 1431
R W M
Fundamentals of oral radiography, including techniques, interpretation, quality assurance, and ethics.
Additional Fees: Radiology film fee $100.
Measurable Learning Outcomes:
Explain the principles of radiation as it relates to physics, biology, hygiene, and safety; produce and interpret diagnostically acceptable radiographs utilizing various radiographic techniques; apply the principles of quality assurance and ethics in dental radiography; and describe the fundamentals of oral radiographic techniques and interpretation.

DHYG 1311 - Periodontology

3 credit hours. 3 lecture hours. 1 lab hours.
Prerequisites: DHYG 1103, DHYG 1431, DHYG 1304, DHYG 2201
Corequisites: DHYG 1260, DHYG 1207, DHYG 2231
R W M
Normal and diseased periodontium including the structural, functional, and environmental factors. Emphasis on etiology, pathology, treatment modalities, and therapeutic and preventive periodontics.
Additional Fees: $24
Measurable Learning Outcomes:
Contrast normal and abnormal periodontium; analyze the etiology and pathology of periodontal disease; differentiate treatment modalities used for therapy and prevention; and interpret periodontal assessment data to develop a dental hygiene care plan.

DHYG 1315 - Community Dentistry

3 credit hours. 3 lecture hours. 1 lab hours.
Prerequisites: DHYG 1219, DHYG 1235.
Corequisites: DHYG 2361, DHYG 1239
R W M
The principles and concepts of community public health and dental health education emphasizing community assessment, educational planning, implementation, and evaluation including methods and materials used in teaching dental health education in various community settings.
Additional Fees: $24
Measurable Learning Outcomes:
Design a community dental health educational program that meets the needs of a target population; differentiate the governmental, sociological, environmental, and cultural concerns of the community; and describe the principles and concepts of community dental health education and evaluation.

DHYG 1431 - Pre-Clinical Dental Hygiene

4 credit hours. 2 lecture hours. 8 lab hours.
Prerequisites: DHYG 1301, DHYG 1227.

Corequisites: DHYG 2201, DHYG 1304, DHYG 1103
R W M
Foundational knowledge for performing clinical skills on patients with emphasis on procedures, and rationale for performing dental hygiene care. Introduction to ethical principles as they apply to dental hygiene care.
Additional Fees: $48; Liability insurance fee $20.
Measurable Learning Outcomes:
Explain the procedures and rationale for dental hygiene care; demonstrate basic dental hygiene instrumentation skills; and define ethical principles related to dental hygiene care.

DHYG 2153 - Dental Hygiene Practice

1 credit hours. 1 lecture hours. 0 lab hours.
Prerequisites: DHYG 2361, DHYG 1315, DHYG 1239
Corequisites: DHYG 2262, DHYG 1219.
R W M
Emphasis on the laws governing the practice of dentistry and dental hygiene, moral standards, and the ethical standards established by the dental hygiene profession. Practice settings for the dental hygienist, office operations, and preparation for employment.
Measurable Learning Outcomes:
Explain the Dental Practice Act governing the dental and dental hygiene profession; evaluate ethical and moral issues affecting dental hygiene practice; describe traditional and non-traditional dental hygiene practice settings; and prepare for employment.

DHYG 2201 - Contemporary Dental Hygiene Care I

2 credit hours. 2 lecture hours. 0 lab hours.
Prerequisites: DHYG 1301, DHYG 1227.
Corequisites: DHYG 1431, DHYG 1304, DHYG 1103
R W M
Dental hygiene care for the medically or dentally compromised patient including supplemental instrumentation techniques.
Measurable Learning Outcomes:
Measurable Learning Outcome: Assess various patient needs; formulate a dental hygiene care plan for the medically and/or dentally compromised patient; and describe supplemental instrumentation techniques.

DHYG 2231 - Contemporary Dental Hygiene Care II

2 credit hours. 2 lecture hours. 0 lab hours.
Prerequisites: DHYG 1431, DHYG 1304, DHYG 2201, DHYG 1103.
Corequisites: DHYG 1311, DHYG 1260, DHYG 1207.
R W M
A continuation of Contemporary Dental Hygiene Care I. Dental hygiene care for the medically and dentally compromised patient including advanced instrumentation techniques.
Measurable Learning Outcomes:
Formulate a dental hygiene care plan for the medically and/or dentally compromised patient; and describe advanced instrumentation techniques.

DHYG 2262 - Clinical Dental Hygienist III

2 credit hours. 0 lecture hours. 12 Clinical Hours. 0 lab hours.
Prerequisites: DHYG 2361, DHYG 1315, DHYG 1239
Corequisites: DHYG 2153, DHYG 1291
R W M
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.
Additional Fees: 48,
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business industry.

DHYG 2361 - Clinical Dental Hygienist II

3 credit hours. 0 lecture hours. 16 Clinical Hours. 0 lab hours.
Prerequisites: DHYG 1219 , DHYG 1235.
Corequisites: DHYG 1315, DHYG 1239

R W M
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.
Additional Fees: $48; Liability insurance fee $20.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

Developmental English/Reading & Study Skills

ENGL 0100 - Leopard Success

Development of fundamental writing skills such as idea generation, organization, style, utilization of standard English, and revision.
Additional Fees: $50

ENGL 0301 - Basic Writing I

3 credit hours. 3 lecture hours. 0 lab hours.
Prereq/Corequisites: STSK 0305 or EDUC 1300
This course stresses mastery of fundamentals of language in writing.
Measurable Learning Outcomes:
Upon successful completion of this course, students will:
1. Compose a variety of texts that demonstrate clear focus, the logical development of ideas, and the use of appropriate language that advances the writer's purpose.
2. Determine and use effective approaches and rhetorical strategies for given writing situations.
3. Generate ideas and gather information relevant to the topic and purpose, incorporating the ideas and words of other writers in student writing using established strategies.
4. Evaluate relevance and quality of ideas and information to formulate and develop a claim.
5. Develop and use effective revision strategies to strengthen the writer's ability to compose college-level writing assignments.
6. Edit writing to conform to the conventions of standard English.

ENGL 0302 - Basic Writing II

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: ENGL 0301 or an adequate placement exam score.
Corequisites: STSK 0305
This course stresses mastery of fundamentals of language in writing
Measurable Learning Outcomes:
Upon successful completion of this course, students will:
1. Compose a variety of texts that demonstrate clear focus, the logical development of ideas, and the use of appropriate language that advances the writer's purpose.
2. Determine and use effective approaches and rhetorical strategies for given writing situations.
3. Generate ideas and gather information relevant to the topic and purpose, incorporating the ideas and words of other writers in student writing using established strategies.
4. Evaluate relevance and quality of ideas and information to formulate and develop a claim.
5. Develop and use effective revision strategies to strengthen the writer's ability to compose college-level writing assignments.
6. Edit writing to conform to the conventions of standard English.

ENGL 0307 - English as a Second Language

3 credit hours. 3 lecture hours. 0 lab hours.
This course is a concentrated study of vocabulary, pronunciation, and sentence structure. It includes review of grammatical structure, exposure to common sentence-level grammatical mistakes, and an introduction to the basic principles of composition. The course will emphasize computer-assisted instruction through the Learning Assistance Center.

PSYC 1300 - PSYC - Learning Frameworks

3 credit hours. 3 lecture hours.
Study of research and theory in the psychology of learning, cognition, and motivation. Study of factors that impact learning. Application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned.
Measurable Learning Outcomes:
Develop and maintain motivation for college success.
Develop and use study strategies and skills. Build community and connect to campus resources. Find direction in college.

READ 0100 - Leopard Success

Fundamental reading skills to develop comprehension, vocabulary, and rate.
Additional Fees: $50

Developmental Mathematics

MATH 0100 - Leopard Success

Topics in mathematics such as arithmetic operations, basic algebraic concepts and notation, geometry, and real and complex number systems.
Additional Fees: $50

MATH 0310 - Pre-Algebra I

3 credit hours. 3 lecture hours. 0 lab hours.
This is a pre-algebra course that covers topics in mathematics such as arithmetic operations, basic algebraic concepts and notation, geometry, and the real number system. It covers fractions, decimals, ratio and proportion, percent, geometric facts, signed numbers, and a brief introduction to linear equations. This course uses MyLabsPlus. This course is not for college level credit.
Additional Fees: $15
Measurable Learning Outcomes:
Students will perform operations on integers, fractions, mixed numbers, decimals, and algebraic expressions. Students will demonstrate how to solve variable equations. Students will analyze the relationship between fractions, decimals, and percent, and understand basic geometry concepts.
Notes:
Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members, and peer tutors. Labs in Hutto, Taylor, and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Hutto, Taylor, and Cameron locations. While every effort has been made to align our pre-requisites with the majority of major receiving institutions, it is ultimately the learner's responsibility to be aware of his/her institution's particular pre-requisites.

MATH 0330 - Introduction to Algebra I

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: A grade of C or above in MATH 0310 or an adequate placement test score, specifically, TSIA score of 336. This course is not for college level credit.
This course covers topics from the first year of algebra: basic algebraic concepts and notation, geometry, solving linear equations, graphing lines, exponent rules, operations with polynomials, factoring, solving linear systems, and an introduction to solving quadratic equations. This course uses MyLabsPlus.
Additional Fees: $15
Measurable Learning Outcomes:
Students will solve various types of equations and inequalities, demonstrate the ability to apply concepts

involving exponents and exponential expressions including polynomials, use various strategies to factor polynomials and solve quadratic equations, use different techniques to graph linear equations, and solve systems of two equations by graphing, elimination, and substitution methods and apply to applications.
Notes:
Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members and peer tutors. Labs in Hutto, Taylor, and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Hutto, Taylor, and Cameron locations.
While every effort has been made to align our pre-requisites with the majority of major receiving institutions, it is ultimately the learner's responsibility to be aware of his/her institution's particular pre-requisites.

MATH 0350 - Intermediate Algebra

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: A grade of C or above in MATH 0330 or A TSIA score of 344. This course is not for college-level credit.
This course prepares students for MATH 1314 and MATH 1324 . This course covers topics from the second year of algebra. A study of relations and functions, inequalities, factoring, polynomials, rational expressions, quadratics with an introduction to complex numbers, exponent rules, fractional exponents, operations with polynomials, operations with rational expressions, operations with radicals, solving linear and quadratic equations and inequalities, graphing lines and parabolas. Students may be required to use a calculator. This course uses MyLabsPlus.
Additional Fees: $15
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Define, represent, and perform operations on real and complex numbers, Recognize, understand, and analyze features of a function, Recognize and use algebraic (field) properties, concepts, procedures (including factoring), and algorithms to combine, transform, and evaluate absolute value, polynomial, radical, and rational expressions, Identify and solve absolute value, polynomial, radical, and rational equations, Identify and solve absolute value and linear inequalities, Model, interpret and justify mathematical ideas and concepts using multiple representations, Connect and use multiple strands of mathematics in situations and problems, as well as in the study of other disciplines.
Notes:
Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members, and peer tutors. Labs in Hutto, Taylor, and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Hutto, Taylor, and Cameron locations.
While every effort has been made to align our pre-requisites with the majority of major receiving institutions, it is ultimately the learner's responsibility to be aware of his/her institution's particular pre-requisites.

MATH 0435 - Foundations of Mathematical Reasoning

4 credit hours. 4 lecture hours. 0 lab hours.
Prerequisites: MATH 0310 or an appropriate placement test score.
This course surveys a variety of mathematical topics needed to prepare students for college level statistics, quantitative reasoning, or for algebra-based courses. Topics include: numeracy with an emphasis on estimation and fluency with large numbers; evaluating expressions and formulas; rates, ratios, and proportions; percentages; solving equations; linear models; data interpretations including graphs and tables; verbal, algebraic and graphical representations of functions; exponential models. This course is not for college-level credit.
Additional Fees: Lab Fee $15
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Develop number sense and the ability to apply concepts of numeracy to investigate and describe quantitative relationships and solve real-world problems in a variety of contexts, use proportional reasoning to solve problems that require ratios, rates, proportions, and scaling, transition from specific and numeric reasoning to general and abstract reasoning using the language and structure of algebra to

investigate, represent, and solve problems, understand and critically evaluate statements that appear in the popular media (especially in presenting medical information) involving risk and arguments based on probability, understand, interpret, and make decisions based on financial information commonly presented to consumers, and understand that quantitative information presented in the media and by other entities can sometimes be useful and sometimes be misleading.

Notes:

Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab coordinator, math faculty members and peer tutors. Labs in Taylor, Cameron and Hutto will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Taylor, Cameron, and Hutto locations. While every effort has been made to align our pre-requisites with the majority of major receiving institutions, it is ultimately the learner's responsibility to be aware of his/her institution's particular pre-requisites. MyMathLab is used in most classes.

Diagnostic Medical Sonography

DMSO 1110 - Introduction to Sonography

(1:1-0-0) credit hours.

Prerequisites: ENGL 1301, MATH 1314, PHYS 1401 or PHYS 1405, BIOL 2401.

An introduction to the profession of sonography and the role of the sonographer. Emphasis on medical terminology, ethical/legal aspects, written and verbal communication, and professional issues relating to registry, accreditation, professional organizations and history of the profession.

Measurable Learning Outcomes:

Describe the historical development of ultrasound; list related professional organizations; identify registry and lab accreditation requirements and process; discuss clinical practice guidelines for Sonographers; and explain medical, legal, and ethical aspects of the profession

DMSO 1302 - Basic Ultrasound Physics

(3:3-0-0) credit hours.

Prerequisites: ENGL 1301, MATH 1314, PHYS 1401 or PHYS 1405, BIOL 2401.

Basic acoustical physics and acoustical waves in human tissue. Emphasis on ultrasound transmission in soft tissues, attenuation of sound energy, parameters affecting sound transmission, and resolution of sound beams. Includes interaction of ultrasound with tissues, mechanics of ultrasound production and display, various transducer designs and construction, quality assurance, bioeffects, and image artifacts. May introduce methods of Doppler flow analysis.

Measurable Learning Outcomes:

Describe the interaction of sound and soft tissues; explain sound production and propagation; and summarize the basic principles and techniques of ultrasound. Describe pulse-echo principles and actions; identify instrument options and transducer selection; recognize common image artifacts; and describe potential bioeffects

DMSO 1361 - Clinical I – Diagnostic Medical Sonography

(3:0-16-0) credit hours.

Prerequisites: A grade of “C” or higher in each of the following courses: DMSO 1110, DMSO 1441, DSVT 1103, and DMSO 1302

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.

Measurable Learning Outcomes:

As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

DMSO 1441 - Abdominopelvic Sonography

(4:3-3-0) credit hours.

Prerequisites: ENGL 1301, MATH 1314, PHYS 1401 or PHYS 1405, BIOL 2401.

Normal anatomy and physiology of the abdominal and pelvic cavities as related to scanning techniques, transducer selection, and scanning protocols. This course has a lab.

Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Identify the sonographic appearances of normal abdominal and pelvic structures; explain physiology of abdominal and pelvic organs; and describe the appropriate scanning techniques according to standard protocol guidelines.

DMSO 2230 - Advanced Ultrasound and Review

(2:2-0-0) credit hours.
Prerequisites: A grade of "C" or higher in each of the following courses: DMSO 2442, DMSO 2354, and DMSO 2366
Knowledge, skills, and professional values within a legal and ethical frame work addressing emerging technologies and professional development. Review of basic and intermediate ultrasound principles or review of Abdominopelvic sonographic normal anatomy and pathology.
Measurable Learning Outcomes:
Apply problem solving and critical thinking skills in the context of professional transition; prepare for challenging the registry examination; demonstrate registry preparedness; and examine sonography practice within a collaborative ethical and legal framework.

DMSO 2245 - Advanced Sonography Practices

(2:2-0-0) credit hours.
Prerequisites: A grade of "C" or higher in each of the following courses: DMSO 2442, DMSO 2354, and DMSO 2366
Exploration of advanced sonographic procedures and emerging ultrasound applications.
Measurable Learning Outcomes:
Describe selected advanced sonographic practices and procedures and apply these to case study interpretation and review; and compare and contrast various sonographic and other imaging modalities.

DMSO 2253 - Sonography of Superficial Structures

(2:1-3-0) credit hours.
Prerequisites: A grade of "C" or higher in each of the following courses: DMSO 2442, DMSO 2354, and DMSO 2366
Detailed study of normal and pathological superficial structures as related to scanning techniques, patient history and laboratory data, transducer selection, and scanning protocols. This course has a lab.
Additional Fees: $24
Measurable Learning Outcomes:
Identify sonographic appearance of normal and abnormal superficial structures; identify appropriate scanning technique using standard protocol guidelines; and evaluate patient history and laboratory data as it relates to sonography.

DMSO 2351 - Doppler Physics

(3:3-0-0) credit hours.
Prerequisites: A grade of "C" or higher in each of the following courses: DMSO 1110, DMSO 1441, DSVT 1103, and DMSO 1302
Doppler and hemodynamic principles relating to arterial and venous imaging and testing.
Measurable Learning Outcomes:
Describe Doppler and hemodynamic principles and actions; identify instrument options and transducer selection; interpret methods of Doppler flow analysis; differentiate common image artifacts; and describe potential bioeffects.

DMSO 2354 - Neurosonology

(3:3-0-0) credit hours.
Prerequisites: A grade of "C" or higher in each of the following courses: DMSO 2363, and DMSO 2405
Normal and pathological fetal and neonatal head structures.
Measurable Learning Outcomes:
Identify sonographic appearance of normal and abnormal intracranial structures; identify appropriate scanning technique using standard protocol guidelines; evaluate patient history and laboratory data as it relates to ultrasound; and identify techniques for transcranial Doppler.

DMSO 2363 - Clinical II – Diagnostic Medical Sonography

(3:0-0-24) credit hours.
Prerequisites: A grade of "C" or higher in each of the following courses: DMSO 2441, DMSO 1361, and DMSO 2351
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.
Measurable Learning Outcomes:

As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

DMSO 2366 - Practicum I – Diagnostic Medical Sonography

(3:0-0-24) credit hours.

Prerequisites: A grade of "C" or higher in each of the following courses: DMSO 2405, and DMSO 2363

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

Measurable Learning Outcomes:

As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry

DMSO 2367 - Practicum II – Diagnostic Medical Sonography

(3:0-0-24) credit hours.

Prerequisites: A grade of "C" or higher in each of the following courses: DMSO 2442, DMSO 2354, and DMSO 2366

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

Measurable Learning Outcomes:

As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

DMSO 2405 - Sonography of Obstetrics and Gynecology

(4:3-3-0) credit hours.

Prerequisites: A grade of "C" or higher in each of the following courses: DMSO 2441, DMSO 1361, DMSO 2351

Detailed study of the pelvis and obstetrics/gynecology as related to scanning techniques, patient history and laboratory data, transducer selection, and scanning protocols. This course has a lab.

Additional Fees: $24

Measurable Learning Outcomes:

Identify the sonographic appearances of normal and abnormal female pelvis; identify normal and abnormal obstetrical findings' demonstrate appropriate scanning techniques using standard protocols; evaluate patient history and laboratory data as it relates to ultrasound; and select appropriate transducer for area of interest.

DMSO 2441 - Sonography of Abdominopelvic Pathology

(4:3-3-0) credit hours.

Prerequisites: A grade of "C" or higher in each of the following courses: DMSO 1110, DMSO 1441, DSVT 1103, and DMSO 1302

Pathologies and disease states of the abdomen and pelvis as related to scanning techniques, patient history and laboratory data, transducer selection, and scanning protocols. Emphasizes endocavitary sonographic anatomy and procedures including pregnancy. This course has a lab.

Additional Fees: $24

Measurable Learning Outcomes:

Identify abnormal abdominal and pelvic structures; demonstrate appropriate scanning techniques using standard protocol guidelines; and evaluate patient history and laboratory data as it relates to sonography.

DMSO 2442 - Sonography of High Risk Obstetrics

(4:3-3-0) credit hours.

Prerequisites: A grade of "C" or higher in each of the following courses: DMSO 2405, and DMSO 2363.

Maternal disease and fetal abnormalities. Includes scanning techniques, patient history and laboratory data, transducer selection, and scanning protocols. This course has a lab.

Additional Fees: $24

Measurable Learning Outcomes:

Identify normal and abnormal fetal and maternal structures; identify pertinent measurement techniques and scanning techniques using standard protocols; and evaluate patient history and laboratory data as it relates to sonography.

Diagnostic Medical Sonography Vascular Technology

DSVT 1103 - Introduction to Vascular Technology

(1:1-0-0) credit hours.
Prerequisites: A grade of 2.0 or higher in each of the prerequisites and accepted into the DMS program.
Introduction to basic non-invasive vascular theories. Emphasizes image orientation, transducer handling, and identification of anatomic structures.
Measurable Learning Outcomes:
Describe fundamental vascular concepts of duplex and non-imaging procedures including positioning the patient, equipment, and other devices.

Drama

DRAM 1120 - Theater Practicum I

1 credit hours. 0 lecture hours. 3 lab hours.
This is a laboratory course for extensive participation in theater activities. It consists of work in drama for public presentation, backstage work, use of makeup, properties, lighting, and other facets of technical theater. An average of three hours each week or a minimum of forty-eight hours of participation during the semester is required. This course may be repeated for credit. Maximum of 4 credits.
Measurable Learning Outcomes:

1. To provide students with exposure to practical applications of theatre production
2. To provide students with experience in theatrical crew work, performance, props running, sound and light tech, costume construction, and/or front of house management
3. To offer students opportunities to apply academic instruction to the process of actual production

DRAM 1121 - Theater Practicum II

1 credit hours. 0 lecture hours. 3 lab hours.
Prerequisites: DRAM 1120 or permission of the instructor. Maximum of 4 credits.
This is a laboratory course for extensive participation in theater activities. It consists of work in drama for public presentation, backstage work, use of makeup, properties, lighting, and other facets of technical theater. An average of three hours each week or a minimum of forty-eight hours of participation during the semester is required. This course may be repeated for credit.
Measurable Learning Outcomes:

1. Producing a public performance of a full length play.
2. Learn various aspects of producing a play including auditioning cast, acting, directing, scenery design and construction, lighting, and sound.
3. Learn how to create and follow a production budget.

DRAM 1310 - Introduction to Theater

3 credit hours. 3 lecture hours. 0 lab hours.
R W
A general survey of all phases of theater with emphasis on the various types and styles of plays, elementary theory, introduction to acting and directing, and introduction to technical production. Designed as a theater appreciation course for the non-drama major and an introduction to theater activities for the drama major.
Measurable Learning Outcomes:

1. Identify the basic elements of theatre.
2. Compare popular entertainment to art.
3. Acquire, evaluate, and organize data to aid in critical evaluation of the aesthetics and semiotics of the theatre.

DRAM 1330 - Stagecraft I

3 credit hours. 3 lecture hours. 2 lab hours.
An introduction to the fundamentals of technical theater. Basic techniques of play production including scenery design and

construction, make-up, costuming, properties, and lighting.
Measurable Learning Outcomes:
1. To understand the role of design in dramatic storytelling.
2. To contribute to and participate in the collaborative process of theatre production.
3. To meet the incremental deadlines associated with production.
4. To learn the fundamentals of theatre protocol.
5. To learn the mechanics and operation of theatrical equipment.
6. To participate in the basic operation of the theatre, including house, box office, stage management, and general maintenance.

DRAM 1341 - Make-up

3 credit hours. 3 lecture hours. 2 lab hours.
The theory and practice of make-up for the stage. Principles of designing and applying make-up for characters in a play. Intensive practical application.
Measurable Learning Outcomes:
1. To understand the reasons for using makeup in the theatre and other theatrical like events.
2. To develop familiarity with and dexterity in the application of all the varied makeup materials.
3. To learn to effect changes in age or in physical condition by the use of makeup.
4. To stimulate and develop the student's observation and memory of people in real life.
5. To encourage students to use their imagination in creating fantasy makeups.

DRAM 1351 - Acting I

3 credit hours. 3 lecture hours. 0 lab hours.
R
A study of characterization and the creation of roles for the stage including study of voice production, study of movement, and practice in scenes from plays. Role playing through improvisations is used as a foundation for the course.
Measurable Learning Outcomes:
1. To understand the function of the actor in dramatic storytelling.
2. To develop a working knowledge of the actor's craft.
3. To develop a working knowledge of the actor's vocabulary.
4. To condition and utilize the voice and body as instruments through which the actor's work is achieved.
5. To understand fundamental principles of character study.
6. To understand and practice principles of effective and meaningful scene and/or monologue delivery.

DRAM 1352 - Acting II

3 credit hours. 3 lecture hours. 2 lab hours.
Prerequisites: DRAM 1351 or consent of instructor.
R W
An extensive study of practical experience in creating characterization. Emphasis on development of vocal and physical skill in acting through performances in solo acting, duet acting, group scenes from plays, and participation in productions staged by the College.
Measurable Learning Outcomes:
1. Learn how to study a role.
2. Learn theories of acting.
3. Learn different styles in acting.
4. Sustain characterization in a one act or full length play.

DRAM 2331 - Stagecraft II

3 credit hours. 3 lecture hours. 2 lab hours.
Prerequisites: DRAM 1330 or permission of the instructor.
A continuation of DRAM 1330, emphasizing the study and application of visual aesthetics of design.
Measurable Learning Outcomes:
1. To understand the role of design in dramatic storytelling.
2. To contribute to and participate in the collaborative process of theatre production.
3. To meet the incremental deadlines associated with production.
4. To learn the fundamentals of theatre protocol.
5. To learn the mechanics and operation of theatrical equipment.
6. To participate in the basic operation of the theatre, including house, box office, stage management, and general maintenance.

DRAM 2336 - Voice for the Theater

3 credit hours. 3 lecture hours. 0 lab hours.
R W
Physiology and mechanics of effective voice production with practice in articulation, pronunciation, and enunciation. Introduction to the International Phonetic Alphabet. This is the same course as SPCH 1342 but can be taken for Theater credit. Credit will not be granted for both DRAM 2336 and SPCH 1342.
Measurable Learning Outcomes:
1. Physiology and mechanics of effective voice production
2. Understand the relationship of Voice and Diction to effective communication
3. Use pitch for effective vocalization
4. Differentiate the vowel sounds
5. Physiology and mechanics of effective voice production with practice in articulation, pronunciation, and enunciation
6. Introduction to the International Phonetic Alphabet

DRAM 2366 - Development of the Motion Picture I
3 credit hours. 3 lecture hours. 2 lab hours.
R W
Analysis of the visual and aural aspects of selected motion pictures. Important classic films will be viewed to illustrate the historical growth and sociological impact of film as an art.
Measurable Learning Outcomes:
1. Trace the historical development of American films from 1890 to the present.
2. Understand the reasons for the rise and decline of the Hollywood system.
3. Compare the European films to American films.
4. Relate innovative techniques discovered in early decades to current practices.
5. Analyze the sociological impact that movies have on our culture.
6. Name major directors and their contributions to the art of film.

Economics

ECON 2301 - Principles of Macroeconomics
3 credit hours. 3 lecture hours. 0 lab hours.
R W
An analysis of the economy as a whole including measurement and determination of Aggregate Demand and Aggregate Supply national income, inflation, and unemployment. Other topics include international trade, economic growth, business cycles, fiscal policy, and monetary policy.
Measurable Learning Outcomes:
Explain the role of scarcity, specialization, opportunity cost, and cost/benefit analysis in economic decision making. Identify the determinants of supply and demand; demonstrate the impact of shifts in both market supply and demand curves on equilibrium price and output. Define and measure national income and rates of unemployment and inflation. Identify the phases of the business cycle and the problems caused by cyclical fluctuations in the market economy. Define money and the money supply; describe the process of money creation by the banking system and the role of the central bank. Construct the aggregate demand and aggregate supply model of the macro economy and use it to illustrate macroeconomic problems and potential monetary and fiscal policy solutions. Explain the mechanics and institutions of international trade and their impact on the macro economy. Define economic growth and identify sources of economic growth.

ECON 2302 - Principles of Microeconomics
3 credit hours. 3 lecture hours. 0 lab hours.
R W
Analysis of the behavior of individual economic agents, including consumer behavior and demand producer behavior and supply, price and output decisions by firms under various market structures, factor markets, market failures, and international trade.
Measurable Learning Outcomes:
Explain the role of scarcity, specialization, opportunity cost, and cost/benefit analysis in economic decision making. Identify the determinants of supply and demand; demonstrate the impact of shifts in both market supply and demand curves on equilibrium price and output. Summarize the law of diminishing marginal utility; describe the process of utility maximization. Calculate supply and demand elasticities; identify the determinants of price elasticity of demand and supply; and demonstrate the relationship between elasticity and total revenue. Describe the production function and the Law of Diminishing Marginal Productivity; calculate and graph short-run and long-run costs of production. Identify the four market structures by characteristics; calculate and graph the profit maximizing price and quantity in the output markets by use of marginal analysis. Determine the profit maximizing price and quantity of resources in factor markets under perfect and imperfect competition by use of marginal analysis. Describe governmental efforts to address market failure such as monopoly power, externalities, and public goods. Identify the benefits of free trade using the concept of comparative advantage.

Emergency Medical Services

EMSP 1147 - Pediatric Life Support

(1:1-0-0) credit hours.
Theory and skills necessary for the management of pediatric or neonatal emergencies.

EMSP 1149 - Pre-Hospital Trauma Life Support

(1:1-0-0) credit hours.
Prerequisites: EMSP 2434, EMSP 2430, EMSP 2260.
Corequisites: EMSP 2143, EMSP 2135, EMSP 1191 , EMSP 2338, EMSP 2460.
Theory and skills necessary for the management of pre-hospital trauma emergencies as specified by the National Association of Emergency Medical Technicians (NAEMT) guidelines.
Measurable Learning Outcomes:
Manage a pre-hospital trauma patient according to NAEMT guidelines

EMSP 1160 - Clinical-Emergency Medical Technology/Technician

(1:0-0-5) credit hours.
Corequisites: EMSP 1501.
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.
Additional Fees: $25 Approximately $71 liability insurance fee.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

EMSP 1162 - Clinical-Emergency Medical Technology/Technician

(1:0-0-4) credit hours.
Prerequisites: Formal acceptance into EMSP Program, EMSP 1501, EMSP 1160.
Corequisites: EMSP 2348, EMSP 1438, EMSP 1356.
Prereq/Corequisites: BIOL 2401 or BIOL 2404 .
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.
Additional Fees: $50 $71 liability insurance fee if not paid previously during current academic year.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

EMSP 1263 - Clinical-Emergency Medical Technology/Technician

(2:0-0-6) credit hours.
Prerequisites: EMSP 2348, EMSP 1356, EMSP 1438, EMSP 1162.
Corequisites: EMSP 1355
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.
Additional Fees: $50
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

EMSP 1305 - Emergency Care Attendant

(3:2-2-0) credit hours.
Theory and skills of immediate life saving care. Meets the requirements for certification as an Emergency Care Attendant (ECA).
Additional Fees: $20
Measurable Learning Outcomes:
Demonstrate immediate lifesaving care to patients at the Emergency Care Attendant (ECA) level; and display professional and ethical behaviors expected of emergency personnel.

EMSP 1355 - Trauma Management

(3:2-2-0) credit hours.
Prerequisites: EMSP 2348, EMSP 1356, EMSP 1438, EMSP 1162.
Corequisites: EMSP 1263.
Knowledge and skills in the assessment and management of patients with traumatic injuries.
Additional Fees: $20
Measurable Learning Outcomes:
Integrate the pathophysiological assessment findings to formulate a field impression; implement the treatment plan for the trauma patient; and integrate multiple determinates of trauma conditions into clinical care.

EMSP 1356 - Patient Assessment and Airway Management

(3:2-2-0) credit hours.
Prerequisites: Formal acceptance into EMSP Program, EMSP 1501, EMSP 1160.
Corequisites: EMSP 2348, EMSP 1438, EMSP 1162.
Prereq/Corequisites: BIOL 2401 or BIOL 2404.
Knowledge and skills required to perform patient assessment, airway management, and artificial ventilation.
Additional Fees: $20
Measurable Learning Outcomes:
Perform a history and comprehensive physical exam on various patient populations; establish and/or maintain a patient airway; and demonstrate oxygenation and ventilation of a patient; differentiate respiratory distress, failure and arrest; interpret results of monitoring devices.

EMSP 1438 - Introduction to Advanced Practice

(4:3-2-0) credit hours.
Prerequisites: Formal acceptance into EMSP Program, EMSP 1501, EMSP 1160.
Corequisites: EMSP 1162, EMSP 1356, EMSP 2348.
Prereq/Corequisites: BIOL 2401 or BIOL 2404.
Fundamental elements associated with emergency medical services to include preparatory practices, pathophysiology, medication administration, and related topics.
Measurable Learning Outcomes:
Describe the roles and responsibilities of advanced EMS personnel within the EMS system; apply concepts of pathophysiology and pharmacology to the assessment and management of emergency patients; administer medications; employ effective communication; and interpret medical/legal issues; demonstrate ethical behaviors; and discuss well-being of the paramedic.

EMSP 1501 - Emergency Medical Technician

(5:3-8-0) credit hours.
Corequisites: EMSP 1160.
Preparation for certification as an Emergency Medical Technician (EMT).
Additional Fees: $20
Measurable Learning Outcomes:
Apply operational principles in out-of-hospital environments; demonstrate life saving care to patients at the Emergency Medical Technician (EMT) level; and display professional and ethical behaviors expected of emergency personnel.

EMSP 2135 - Advanced Cardiac Life Support

(1:1-0-0) credit hours.
Prerequisites: EMSP 2434, EMSP 2430, EMSP 2260.
Corequisites: EMSP 2143, EMSP 2338, EMSP 1191 , EMSP 1149, EMSP 2460.
Theory and skills necessary for the management of a cardiovascular emergencies as specified by the American Heart Association (AHA) guidelines.
Measurable Learning Outcomes:
Manage a cardiovascular patient according to the American Heart Association (AHA) guidelines.

EMSP 2143 - Assessment Based Management

(1:0-3-0) credit hours.
Prerequisites: EMSP 2434, EMSP 2430, EMSP 2260.
Corequisites: EMSP 2338, EMSP 2135, EMSP 1191 , EMSP 1149, EMSP 2460.
A capstone experience covering comprehensive, assessment based patient care management. Includes specific care when dealing with pediatric, adult, geriatric, and special-needs patients.
Additional Fees: $20
Measurable Learning Outcomes:
Integrate pathophysiological principles and assessment findings to formulate a field impression and implement a treatment plan.

EMSP 2163 - Clinical - Emergency Medical

(1:0-0-6) credit hours.
Prerequisites: Currently certified as a paramedic by NREMT or Texas DSHS.
Corequisites: EMSP 2358
A health related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.
Additional Fees: $71 liability insurance fee
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

EMSP 2260 - Clinical - Emergency Medical EMT Paramedic

(2:0-0-8) credit hours.
Prerequisites: EMSP 1355, EMSP 1263, EMSP 2544.
Corequisites: EMSP 2430, EMSP 2434.
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.
Additional Fees: $50 Approximately $71 liability insurance fee if not paid previously during current academic year.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

EMSP 2338 - EMS Operations

(3:2-2-0) credit hours.
Prerequisites: EMSP 2434, EMSP 2430, EMSP 2260.
Corequisites: EMSP 2143, EMSP 2135, EMSP 1191 , EMSP 1149, EMSP 2460
Knowledge and skills to safely manage multi-casualty incidents and rescue situations; utilize air medical resources; identify hazardous materials and other specialized incidents.
Measurable Learning Outcomes:
Implement management and principles of routine and specialized incidents.

EMSP 2348 - Emergency Pharmacology

(3:3-1-0) credit hours.
Prerequisites: Formal acceptance into EMSP Program; EMSP 1501, EMSP 1160.
Corequisites: EMSP 1356, EMSP 1438, EMSP 1162
Prereq/Corequisites: BIOL 2401 or BIOL 2404.
Utilization of medications in treating emergency situations.
Additional Fees: $20
Measurable Learning Outcomes:
Utilize knowledge of pharmacological concepts to demonstrate safe administration of medications in emergency settings.

EMSP 2358 - Critical Care Paramedic

(3:2-4-0) credit hours.
Prerequisites: Currently certified as a paramedic by NREMT or Texas DSHS.
Corequisites: EMSP 2163
Prepares healthcare personnel to function as members of a critical care transport team.
Measurable Learning Outcomes:
Manage the special needs of critical patients; apply critical care procedures; and operate critical care equipment.

EMSP 2430 - Special Populations

(4:3-2-0) credit hours.
Prerequisites: EMSP 1355, EMSP 1263, EMSP 2544.
Corequisites: EMSP 2434, EMSP 2260.
Knowledge and skills necessary to assess and manage ill or injured patients in diverse populations to include neonatology, pediatrics, geriatrics, and other related topics.
Additional Fees: $20
Measurable Learning Outcomes:
Integrate pathophysiological assessment findings to formulate a field impression, implement a treatment plan for diverse patients with special needs, and integrate multiple determinates of special conditions into clinical care.

EMSP 2434 - Medical Emergencies

(4:4-3-0) credit hours.
Prerequisites: EMSP 1355, EMSP 1263, EMSP 2544.
Corequisites: EMSP 2430, EMSP 2260
Knowledge and skills in the assessment and management of patients with medical emergencies, including medical overview, neurology, gastroenterology, immunology, pulmonology, urology, hematology, endocrinology, toxicology, and other related topics.
Additional Fees: $20
Measurable Learning Outcomes:
Integrate pathophysiological assessment findings to formulate a field impression; implement a treatment plan for the medical patient; and integrate multiple determinates of medical conditions into clinical care.

EMSP 2460 - Clinical-emergency Medical EMT Paramedic

(4:0-0-14) credit hours.
Prerequisites: EMSP 2434, EMSP 2430, EMSP 2260.
Corequisites: EMSP 2143, EMSP 2135, EMSP 1191 , EMSP 1149, EMSP 2338.
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional.
Additional Fees: $50 Clinical Fee $71 liability insurance fee if not paid previously during current academic year.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

EMSP 2544 - Cardiology

(5:4-4-0) credit hours.
Prerequisites: EMSP 2348, EMSP 1356, EMSP 1438, EMSP 1162
Assessment and management of patients with cardiac emergencies. Includes single and multi-lead ECG interpretation.
Additional Fees: $20
Measurable Learning Outcomes:
Integrate pathophysiological principles and assessment findings to formulate a field impression; and implement a treatment plan for the cardiac patient.

English

ENGL 1301 - Composition I

3 credit hours. 3 lecture hours. 0 lab hours.
R W
Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individual and collaboratively. Emphasis on effective rhetorical choices, including audience, purpose, arrangement, and style.

Focus on writing the academic essay as a vehicle for learning, communicating, and critical analysis.
Measurable Learning Outcomes:
Demonstrate knowledge of individual and collaborative writing processes. Develop ideas with appropriate support and attribution. Write in style appropriate to audience and purpose. Read, reflect, and respond critically to a variety of texts. Use Edited American English in academic essays.

ENGL 1302 - Composition II

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: ENGL 1301 or Credit for ENGL 1301 by examination.
R W
Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and rhetorical inquiry, including primary and secondary research methods; critical reading of verbal, visual, and multimedia texts; systematic evaluation, synthesis, and documentation of information sources; and critical thinking about evidence and conclusions.
Measurable Learning Outcomes:
Demonstrate knowledge of individual and collaborate research processes. Develop ideas and synthesize primary and secondary sources within focused academic arguments, including one or more research-based essays. Analyze, interpret, and evaluate a variety of texts for the ethical and logical uses of evidence. Write in a style that clearly communicates meaning, builds credibility, and inspires belief or action. Apply the conventions of style manuals for specific academic disciplines (e.g., APA, CMS, MLA, etc.)

ENGL 2307 - Creative Writing I

3 credit hours. 3 lecture hours. 0 lab hours.
R W
Practical experience in the techniques of imaginative writing. May include fiction, nonfiction, poetry, screenwriting, or drama.
Measurable Learning Outcomes:
Write and revise creative work using techniques and strategies employed by experienced writers. Develop the critical ability to read and understand poetry, narrative, and/or drama. Reflect on creative writing in relation to relevant literary and theoretical traditions. Work at advanced levels in at least one creative writing genre.

ENGL 2308 - Creative Writing II

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: ENGL 2307.
Practical experience in the techniques of imaginative writing. May include fiction nonfiction, poetry, screenwriting or drama.
Measurable Learning Outcomes:
Write and revise creative work using techniques and strategies employed by experienced writers. Develop the critical ability to read and understand poetry, narrative, and/or drama. Reflect on creative writing in relation to relevant literary and theoretical traditions. Work at advanced levels in at least one creative writing genre.

ENGL 2311 - Technical and Business Writing

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: ENGL 1301.
Intensive study of and practice in professional settings. Focus on the types of documents necessary to make decisions and take action on the job, such as proposals, reports, instructions, policies and procedures, e-mail messages, letters, and descriptions of products and services. Practice individual and collaborative processes involved in the creation of ethical and efficient documents.
Measurable Learning Outcomes:
Recognize, analyze, and accommodate diverse audiences. Produce documents appropriate to audience, purpose, and genre. Analyze the ethical responsibilities involved in technical communication. Locate, evaluate, and incorporate pertinent information. Develop verbal, visual, and multimedia materials as necessary, in individual and/or collaborative projects, as appropriate. Edit for appropriate style, including attention to word choice, sentence structure, punctuation, and spelling. Design and test documents for easy reading and navigation.

ENGL 2322 - British Literature I

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: ENGL 1302 or ENGL 2311.
A survey of the development of British literature from the Anglo-Saxon period to the Eighteenth Century. Students will study works of prose, poetry, drama, and fiction in relation to their historical, linguistic, and cultural contexts. Texts will be selected from a diverse group of authors and traditions.
Measurable Learning Outcomes:
Identify key ideas, representative authors and works, significant historical or cultural events, and characteristic perspectives or attitudes expressed in the literature of different periods or regions. Analyze literary works as expressions of individual or

communal values within the social, political, cultural, or religious contexts of different literary periods. Demonstrate knowledge of the development of characteristic forms or styles of expression during different historical periods or in different regions. Articulate the aesthetic principles that guide the scope and variety of works in the arts and humanities. Write research-based critical papers about the assigned readings in clear and grammatically correct prose, using various critical approaches to literature.

ENGL 2323 - British Literature II

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: ENGL 1302 or ENGL 2311.
A survey of the development of British literature from the Romantic period to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions.
Measurable Learning Outcomes:
Identify key ideas, representative authors and works, significant historical or cultural events, and characteristic perspectives and attitudes expressed in the literature of different periods or regions. Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts of literary periods. Demonstrate knowledge of the development of characteristic forms or styles of expression during different historical periods or in different regions. Articulate the aesthetic principles that guide the scope and variety of works in the arts and humanities. Write research-based critical papers about the assigned readings in clear and grammatically correct prose, using various critical approaches to literature.

ENGL 2327 - American Literature I

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: ENGL 1302 or ENGL 2311.
A survey of American literature from the period of exploration and settlement through the Civil War. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character.
Measurable Learning Outcomes:
Identify key ideas, representative authors and works, significant historical or cultural events, and characteristic perspectives or attitudes expressed in the literature of different periods or regions. Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts of different literary periods. Demonstrate knowledge of the development of characteristic forms or styles of expression during different historical periods or in different regions. Articulate the aesthetic principles that guide the scope and variety of works in the arts and humanities. Write research-based critical papers about the assigned readings in clear and grammatically correct prose, using various critical approaches to literature.

ENGL 2328 - American Literature II

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: ENGL 1302 or ENGL 2311.
A survey of American literature from the Civil War to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from among a diverse group of authors for what they reflect and reveal about the evolving American experience and character.
Measurable Learning Outcomes:
Identify key ideas, representative authors and works, significant historical or cultural events, and characteristic perspectives or attitudes expressed in the literature of different periods or regions. Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts of different literary periods. Demonstrate knowledge of the development of characteristic forms or styles of expression during different historical periods or in different regions. Articulate the aesthetic principles that guide the scope and variety of works in the arts and humanities. Write research-based critical papers about the assigned readings in clear and grammatically correct prose, using various critical approaches to literature.

ENGL 2332 - World Literature I

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: ENGL 1302 or ENGL 2311.
A survey of world literature from the ancient world through the sixteenth century. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions.
Measurable Learning Outcomes:
Identify key ideas, representative authors and works, significant historical or cultural events, and characteristic perspectives or attitudes expressed in the literature of different periods or regions. Analyze literary works as expressions of individual or communal values within the social, political, cultural, or religious contexts of different literary periods. Demonstrate knowledge

of the development of characteristic forms or styles of expression during different historical periods or in different regions. Articulate the aesthetic principles that guide the scope and variety of works in the arts and humanities. Write research-based critical papers about the assigned readings in clear and grammatically correct prose, using various critical approaches to literature.

ENGL 2333 - World Literature II

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: ENGL 1302 or ENGL 2311.
A survey of world literature from the seventeenth century to the present. Students will study works of prose, poetry, drama, and fiction in relation to their historical and cultural contexts. Texts will be selected from a diverse group of authors and traditions.
Measurable Learning Outcomes:
Identify key ideas, representative authors and works, significant historical or cultural events, and characteristic perspectives or attitudes expressed in the literature of different periods or regions. Analyze literary works as expressions of individual or communal values with the social, political, cultural, or religious contexts of different literary periods. Demonstrate knowledge of the development of characteristic forms or styles of expression during different historical periods or in different regions. Articulate the aesthetic principles that guide the scope and variety of works in the arts and humanities. Write research-based critical papers about the assigned readings in clear and grammatically correct prose, using various critical approaches to literature.

Environmental Science

ENVR 1101 - Environmental Science Laboratory I

1 credit hours. 0 lecture hours. 2 lab hours.
Prerequisites: ENVR 1301 or corequisite ENVR 1301.
R
The laboratory will provide practical exposure to the methods of measurement, analysis and interpretation of environmental data. The student, in addition to doing lab experiments, will be involved in the collection of data from the environment and report preparation. Field trips may be required.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Explain several of the important environmental problems facing the world. Use critical thinking and why it is important in the study of environmental science. Understand and use graphs and data to answer questions in science. Understand environmental systems. Understand human populations and its relationships. Understand resources and their relationships.

ENVR 1301 - Environmental Science I

3 credit hours. 3 lecture hours. 0 lab hours.
R
This is a one semester course designed for non-science majors, and others who desire a low mathematical view of environmental science. It is a general interest course requiring a minimum of previous science background. The course involves relating scientific knowledge to problems involving energy and the environment and addressing issues that range from local to global effects. Topics include energy resources, water, mineral resources, air and water pollutants, pesticides and other toxic chemicals, solid and hazardous wastes, crowding, land use and abuse, economic considerations and some governmental regulatory agencies.
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Apply experimental methodologies in the laboratory. Understand and use the scientific method in data collecting. Apply experimental data and graphs to examine environmental science topics. Use computer simulations and modeling to examine environmental science topics.

Forensic Science

FORS 2440 - Introduction to Forensic Science

4 credit hours. 2 lecture hours. 2 lab hours.
Prerequisites: CRIJ 1301/CJSA 1322 or CRIJ 2314/CJSA 1342.
R W
Survey of the procedures of crime scene investigation in gathering evidence and applicable scientific technologies that follow established protocols by first responders; a preview of how criminalistics in forensic laboratories will process the gathered

evidence presented.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Describe the care required in identifying, collecting, and preserving of criminal evidence for scientific examination. Explain the significance of field and laboratory findings of the evidence. List the procedures used in the various types of evidence discovery and examination. Conduct a crime scene investigation under simulated circumstances. Demonstrate proper methods of identifying, collecting, preserving evidence for crime laboratory analysis.

FORS 2450 - Introduction to Forensic Psychology

4 credit hours. 3 lecture hours. 1 lab hours.
Prerequisites: PSYC 2301.
R W
Survey of current perspectives and technologies in the analysis of criminal mind suggested by crime scene evidence; introduction applications of forensic psychology including the history and current practice of criminal profiling in the apprehension of serial killers as sexual predators.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Identify and explain the differences between psychology and legal system including language, assumptions about human nature, and methodologies used. Identify the roles and responsibilities of forensic psychologists. Identify the important issues surrounding criminal competencies. Identify and explain the various theories of causation of violent and nonviolent crimes. Explain the role of forensic psychology in law enforcement and investigations.

French

FREN 1411 - Beginning French I

4 credit hours. 3 lecture hours. 2 lab hours.
Fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture.
Measurable Learning Outcomes:
Read and analyze simple French prose covering a variety of topics. Write short paragraphs and/or dialogues based on situational material presented in the French 1411 textbook. Communicate orally in French using clear, coherent and appropriate language directed to or in conversation with both the instructor and classmate. Evidence listening comprehension by analyzing and interpreting various forms of spoken communication such as responding to questions and taking dictation in French.

FREN 1412 - Beginning French II

4 credit hours. 3 lecture hours. 2 lab hours.
Prerequisites: FREN 1411.
Fundamental skills in listening comprehension, speaking, reading, and writing. Includes basic vocabulary, grammatical structures, and culture.
Measurable Learning Outcomes:
Read and analyze French prose covering a variety of topics. Write short paragraphs and/or dialogues based on situational material presented in the French 1412 textbook. Communicate orally in French using clear, coherent and appropriate language directed to or in conversation with both the instructor and classmate. Evidence listening comprehension by analyzing and interpreting various forms of spoken communication such as responding to questions and taking dictation in French.

FREN 2311 - Intermediate French I: Oral Expression, Reading and Composition

3 credit hours. 3 lecture hours. 0 lab hours.
Review and application of skills in listening comprehension, speaking, reading, and writing. Emphasizes conversation, vocabulary acquisition, reading, composition, and culture.
Measurable Learning Outcomes:
Develop substantial skills in writing, reading, listening/comprehension, and speaking. Reinforce and further knowledge of French grammar. Engage in oral exchanges in French in selected authentic circumstances characteristic of French life today. Become acquainted with the French national character and way of life.

FREN 2312 - Intermediate French II: Oral Expression, Reading and Composition

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: FREN 2311 or equivalent.
Review and application of skills in listening comprehension, speaking, reading, and writing. Emphasizes conversation, vocabulary acquisition, reading, composition, and culture.

Measurable Learning Outcomes:
Develop substantial skills in writing, reading, listening/comprehension, and speaking. Reinforce and further knowledge of French grammar. Engage in oral exchanges in French in selected authentic circumstances characteristic of French life today. Become acquainted with the French national character and way of life.

Geography

GEOG 1300 - Principles of Geography

3 credit hours. 3 lecture hours. 0 lab hours.
Introduction to the concepts which provide a foundation for continued study of geography. Includes the different elements of natural environment as related to human activities, modes of living, and map concepts. The first semester emphasizes physical geography and the second semester emphasizes cultural geography.
Measurable Learning Outcomes:
Learn five general themes of geography and recognize them in the physical and cultural landscape. Realize the importance and difference between accuracy and precision and between scale and resolution in terms of maps. Understand how the components of the atmosphere, hydrosphere, lithosphere, and biosphere act as a connected physical earth system

GEOG 1301 - Physical Geography

3 credit hours. 3 lecture hours. 0 lab hours.
Introduction to the concepts which provide a foundation for continued study of geography. Includes the different elements of natural environment as related to human activities, modes of living, and map concepts. The first semester emphasizes physical geography and the second semester emphasizes cultural geography.
Measurable Learning Outcomes:
Understand the discipline of physical geography through study of the earth's physical features and systems. Develop an understanding and appreciation of the earth's energy, air, weather, climate, and landforms. Understand the human impact and interaction with the earth's surface.
Notes:
Usually offered only in the spring semester.

GEOG 1302 - Cultural Geography

3 credit hours. 3 lecture hours. 0 lab hours.
Introduction to the concepts which provide a foundation for continued study of geography. Includes the different elements of natural environment as related to human activities, modes of living and map concepts.The first semester emphasizes physical geography and the second semester emphasizes cultural geography.
Measurable Learning Outcomes:
Understand the discipline of physical geography through study of the earth's physical features and systems. Develop an understanding and appreciation of the earth's energy, air, weather, climate, and landforms. Understand the human impact and interaction with the earth's surface.

GEOG 1303 - World Regional Geography

3 credit hours. 3 lecture hours. 0 lab hours.
A study of major world regions with emphasis on prevailing conditions and developments, including emerging conditions and trends, and the awareness of diversity of ideas and practices to be found in those regions. Course content may include one or more regions.
Measurable Learning Outcomes:
Develop an understanding of major world regions. Recognize trends and conditions of geographical regions. Develop an appreciation for the diversity of ideas and practices found in major world regions.

GEOG 2312 - Economic Geography

3 credit hours. 3 lecture hours. 0 lab hours.
Analytical study of the historical development of particular economic distributions as they relate to social, cultural, political, and physical factors. Includes critical inquiry into the reasons for location of various types of economic activity, production, and marketing. (Cross-listed as ECON 2311)

GEOG 2389 - Academic Cooperative

3 credit hours. 2 lecture hours. 4 lab hours.
An instructional program designed to integrate on-campus study with practical hands-on experience in geography In conjunction with class seminars, the individual student will set specific goals and objectives in the study of human social behavior and/or social institutions.
Additional Fees: $16

Geology

GEOL 1103 - Physical Geology Laboratory

1 credit hours. 0 lecture hours. 3 lab hours.
Prereq/Corequisites: GEOL 1303.
R W
This course is designed to complement GEOL 1303. The laboratory includes investigation of current and past geologic events as well as identification of the different rock types. Laboratory examinations and experiments as well as computer modeling and simulations will be used. Some field trips may be required.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Have the techniques to examine, analyze and identify rock specimens and their properties. Have the techniques to examine, analyze and identify mineral specimens and their properties. Have an understanding of rock, fossil and geological event dating. The student will gain the experience of using topographical maps, diagrams, geological structures.

GEOL 1104 - Historical Geology Laboratory

1 credit hours. 0 lecture hours. 3 lab hours.
Prereq/Corequisites: Concurrent or Prerequisite enrollment in GEOL 1304
R W
This course is designed to complement GEOL 1304. This course will present a study of the geologic history and evolution of the earth to the present. The course involves laboratory examinations and experiments, as well as, computer modeling and simulations. Some field trips may be required.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Identify the major techniques used by geologists to assess and interpret the rock record and recognize the sequence of and interrelationships between major events in the history of the Earth, its surface, and its life forms. The student will classify different types of sedimentary rocks and structures and major groups of fossilizing organisms. Interpret geological cross-sections, diagrams and other geological charts and maps.

GEOL 1303 - Physical Geology

3 credit hours. 3 lecture hours. 0 lab hours.
R W
Principles of physical geology. Topics include the study of the earth's composition, structure, and internal and external processes.
Measurable Learning Outcomes:
Upon successful completion of this course, students will: recognize and classify rock and mineral samples; understand the origins of rocks and minerals and the rock forming processes and understand plate tectonic theory. The student will understand the geological phenomena (e.g., volcanoes, earthquakes, deformational structures, etc.) which affect the earth’s formation and structure Understand the role of earth’s surface phenomena (water, wind, ice and gravity).

GEOL 1304 - Historical Geology

3 credit hours. 3 lecture hours. 0 lab hours.
R W
Principles of historical geology. Topics include the study of the geologic history of the earth and the evolution of life. The course focuses on the relationship between geologic events throughout Earth's history and the evolution of its plants and animals.
Measurable Learning Outcomes:
Upon successful completion of this course, students will: relate topics from physical geology to Earth's history (e.g., plate tectonics, rock cycle). Analyze the formation, classification and interpretation of sedimentary rocks and apply to the interpretation of the rock record. Explain evolutionary theory and relate it to changes in the fossil record through time. Identify and classify fossils and gain knowledge of use in interpreting age. Characterize each time period of Earth's history (beginning with its origin) with regard to changes in the environment.

Geographic Information Systems

GISC 1301 - Cartography and Geography in Geographical Information Systems (GIS) and Global Positioning System (GPS)

3 credit hours. 2 lecture hours. 4 lab hours.
Introduction to the principles of cartography and geography. Emphasis on global reference systems and the use of satellites for measurements and navigation.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Explain the basic concepts of accuracy, precision, and scale in GIS/GPS. Summarize GPS evaluations and the operating environment for GPS. Create spatial data with real time GPS data. Recognize discrepancies in data presentations. Import GPS data into GIS. Evaluate data before transformation for scale and accuracy. Measure "real world" distance and area on maps and correctly relate the two. Acquire geographic information directly using GPS and merge it with existing information. Manage the geographic information in a dynamic database situation.

GISC 1311 - Introduction to Geographic Information Systems (GIS)

3 credit hours. 2 lecture hours. 4 lab hours.
Introduction to basic concepts of vector GIS using several industry specific software programs including nomenclature of cartography and geography. ArcGIS® software will be used.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Explain basic concepts of using GIS in mapping the earth in spatial terms and populating the GIS's system to access data in the GIS's system using an appropriate software package on a personal computer. Capture positional and attribute information with correct and accurate geographic referencing. Convert geographic information among several coordinate systems. Acquire GIS's system information from databases, existing maps, and the Internet. Annotate output for finished maps, documents, and reports.

GISC 1321 - Introduction to Raster-Based Geographic Information Systems (GIS)

3 credit hours. 2 lecture hours. 4 lab hours.
Instruction in GIS data sets including raster-based information such as images or photographs, acquisitions of such data, and processing and merging with vector data.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Relate current capabilities of satellites for collecting images and photographs. Summarize processing of imagery to produce a thematic map. Explain georeferencing of photos or images to maps. Operate effectively one or more image processing software packages. Interpret photos and images to produce map data. Analyze geographic information collected in raster format. Merge photographic information correctly in existing raster formats.

GISC 1391 - Special Topics in Cartography (GIS)

3 credit hours. 2 lecture hours. 4 lab hours.
Topics address recently identified current events, skills, knowledge's, and/or attitudes and behaviors pertinent to the technology or occupation and relevant to the professional development of the student.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Learning outcomes/objectives are determined by local occupational need and business and industry trends.

GISC 2301 - Data Acquisition & Analysis in Geographic Information Systems (GIS)

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: GISC 1301 and GISC 1311.
Study of the management of geographic information, system life cycles, and costs and benefits. Includes institutional issues such as data providers, data management, combination of attribute and graphical data, information storage and access, Texas and national standards for spatial data; and applications of GIS for data modeling and analysis.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Explain the purpose of metadata. Outline national and international data infrastructure and census data. Summarize how to select and evaluate data according to source and quality. Collect and analyze metadata sets for a project. Formulate geographic-based database queries. Establish an audit trail. Use geographic information in decision making. Design a data acquisition project, and utilize datums, coordinate systems, and mapping projections.

GISC 2311 - Geographic Information Systems (GIS) Applications

3 credit hours. 2 lecture hours. 3 lab hours.
Prerequisites: GISC 1301 and GISC 1311.
Application of GIS technology to real workplace applications from public and private sector. Completion of Global Positioning Systems (GPS) fieldwork required for lab exercises.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Relate the use of GIS for infrastructure management. Recognize the meaning of accuracy and precision in different applications. Use GIS/GPS for infrastructure management. Complete a "real world" project. Create presentations of geographic information. Reduce digital field data to produce final plans and reports. Write technical reports which will accompany the presentation of the geographic information. Produce finished reports on various printers and plotters.

GISC 2320 - Intermediate Geographic Information Systems (GIS)

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: GISC 1301 and GISC 1311.
This course focuses on the study of spatial data structures and the display, manipulation, and analysis of geographic information. Students will study the technical aspects involved in spatial data handling, analysis and modeling. Instruction will include theories and procedures associated with the implementation and management of GIS projects. A variety of GIS software packages will be used in the laboratory.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Describe the terms, concepts, commands, and procedures of Geographic Information Systems software. Import, generate and project spatial data sets. Obtain spatial data from available sources. Demonstrate topological editing. Develop tables, plots and thematic map compositions.

GISC 2380 - Cooperative Education – Cartography (GIS)

3 credit hours. 1 lecture hours. 20 lab hours.
Prerequisites: GISC 1301 and GISC 1311.
Career-related activities encountered in the student's area of specialization offered through an individualized agreement among the college, employer, and student. Under the supervision of the college and the employer, the student combines classroom learning with work experience. Includes a lecture component.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry. Demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

Government

GOVT 2304 - Introduction to Political Science

3 credit hours. 3 lecture hours. 0 lab hours.
R W M-College Algebra
Introductory survey of the discipline of political science focusing on the scope, and methods of the field, and the substantive topics in the discipline including the theoretical foundations of politics, political interaction, political institutions, and how political systems function.
Measurable Learning Outcomes:
Define and apply political terms and concepts. Define political science and identify the subfields. Compare and contrast different political systems and institutions. Apply the methods used to study politics. Critically interpret and analyze contemporary political issues and problems.

GOVT 2305 - Federal Government (Federal Constitution and Topics)

3 credit hours. 3 lecture hours. 0 lab hours.
R W
Origin and development of the U.S. Constitution, structure and powers of the national government including the legislative, executive, and judicial branches, federalism, political participation, the national election process, public policy, civil liberties, and civil rights.

Measurable Learning Outcomes:
Explain the origin and development of constitutional democracy in the United States. Demonstrate knowledge of the federal system. Describe separation of powers and checks and balances in both theory and practice. Demonstrate knowledge of the legislative, executive, and judicial branches of the Federal government. Evaluate the role of public opinion, interest groups, and political parties in the political system. Analyze the election process. Describe the rights and responsibilities of citizens. Analyze issues and policies in U.S. policies.

GOVT 2306 - Texas Government (Texas Constitution and Topics)

3 credit hours. 3 lecture hours. 0 lab hours.
R W
Origin and development of the Texas Constitution, structure and powers of state and local government, federalism and inter governmental relations, political participation, the election process, public policy, and the political culture of Texas.
Measurable Learning Outcomes:
Explain the origin and development of the Texas constitution. Describe state and local political systems and their relationship with the Federal government. Describe separation of powers and checks and balances in both theory and practice in Texas. Demonstrate knowledge of the legislative, executive, and judicial branches of Texas government. Evaluate the role of public opinion, interest groups, and political parties in Texas. Analyze the state and local election process. Identify the rights and responsibilities of citizens. Analyze issues, policies, and political culture of Texas.

Health Information/Medical Records

HITT 1305 - Medical Terminology I

3 credit hours. 3 lecture hours. 0 lab hours.
Study of word origin and structure through the introduction of prefixes, suffixes, root words, plurals, abbreviation and symbols, surgical procedures, medical specialties, and diagnostic procedures.
Measurable Learning Outcomes:
Identify, pronounce, and spell medical terms; use terms in context; utilize prefixes, suffices, root words, and plurals to construct medical terms; analyze medical terms; translate abbreviations; and interpret symbols.

Health Professions

HPRS 1201 - Introduction to Health Professions

2 credit hours. 2 lecture hours. 0 lab hours.
This course is an overview of the roles of various members of the health care system, educational requirements, employment opportunities and issues affecting the delivery of health care. This course is intended for individuals who are either entering the health care field for the first time, already in the workforce but are transitioning into the health field, and those who are moving into Health Care Administration. It is being offered as an Internet course.
Measurable Learning Outcomes:
Identify the roles of various health care professionals; outline state and national credentialing and licensing requirements; describe legal and ethical issues affecting the practice of health care professionals; give examples of professionalism; and define the rights and responsibilities of health care professionals.

History

HIST 1301 - United States History I

3 credit hours. 3 lecture hours. 0 lab hours.
R W
A survey of the social, political, economic, cultural, and intellectual history of the United States from the pre-Columbian era to the Civil War/Reconstruction period. United States History I includes the study of pre-Columbian, colonial, revolutionary, early national, slavery and sectionalism, and the Civil War/Reconstruction eras. Themes that may be addressed in United States History I include: American settlement and diversity, American culture, religion, civil and human rights, technological change, economic change, immigration and migration, and creation of the federal government.
Measurable Learning Outcomes:
Create an argument through the use of historical evidence. Analyze and interpret primary and secondary sources. Analyze the effects of historical, social, political, economic, cultural, and global forces on this period of United States history.

HIST 1302 - United States History II

3 credit hours. 3 lecture hours. 0 lab hours.
R W
A survey of the social, political, economic, cultural, and intellectual history of the United States from Civil War/Reconstruction era to the present. United States History II examines industrialization, immigration, world wars, the Great Depression, Cold War and post-Cold War eras. Themes that may be addressed in United States History II include: American culture, religion, civil and human rights, technological change, economic change, immigration and migration, urbanization and suburbanization, the expansion of the federal government, and the study of U.S. foreign policy.
Measurable Learning Outcomes:
Create an argument through the use of historical evidence. Analyze and interpret primary and secondary sources. Analyze the effects of historical, social, political, economic, cultural, and global forces on this period of United States history.

HIST 2301 - Texas History
3 credit hours. 3 lecture hours. 0 lab hours.
R W
A survey of the political, social, economic, cultural, and intellectual history of Texas from the pre-Columbian era to the present. Themes that may be addressed in Texas History include: Spanish colonization and Spanish Texas; Mexican Texas; the Republic of Texas; statehood and secession; oil, industrialization, and urbanization; civil rights; and modern Texas.

Measurable Learning Outcomes:
Create an argument through the use of historical evidence. Analyze and interpret primary and secondary sources. Analyze the effects of historical, social, political, economic, cultural, and global forces on Texas history.

HIST 2311 - Western Civilization I
3 credit hours. 3 lecture hours. 0 lab hours.
R W
A survey of the social, political, economic, cultural, religious, and intellectual history of Europe and the Mediterranean world from human origins to the 17th century. Themes that should be addressed in Western Civilization I include the cultural legacies of Mesopotamia, Egypt, Greece, Rome, Byzantium, Islamic civilizations, and Europe through the Middle Ages, Renaissance, and Reformations.
Measurable Learning Outcomes:
Create an argument through the use of historical evidence. Analyze and interpret primary and secondary sources. Analyze the effects of historical, social, political, economic, and cultural forces on this period of Western history.

HIST 2312 - Western Civilization II
3 credit hours. 3 lecture hours. 0 lab hours.
R W
A survey of the social, political, economic, cultural, religious, and intellectual history of Europe and the Mediterranean world from the 17th century to the modern era. Themes that should be addressed in Western Civilization II include absolutism and constitutionalism, growth of nation states, the Enlightenment, revolutions, classical liberalism, industrialization, imperialism, global conflict, the Cold War, and globalism.
Measurable Learning Outcomes:
Create an argument through the use of historical evidence. Analyze and interpret primary and secondary sources. Analyze the effects of historical, social, political, economic, and cultural forces on this period of western history

Homeland Security

HMSY 1337 - Introduction to Homeland Security
3 credit hours. 3 lecture hours. 0 lab hours.
Overview of homeland security. Evaluation of the progression of homeland security issues throughout Texas and the United States. An examination of the roles undertaken and methods used by governmental agencies and individuals to respond to those issues.
Measurable Learning Outcomes:
List the key events and people that have affected homeland security. Outline the specific roles that individuals and governmental agencies play in homeland security. Prepare a summary of programs and methods used to meet the homeland security needs of Texas and the United States.

HMSY 1339 - Homeland Security Emergency Contingency Planning

3 credit hours. 2 lecture hours. 2 lab hours.
Procedures for developing, implementing, and updating an Emergency Contingency Plan that outlines public agencies and private industry responses, recovery, and mitigation. Includes types of aid available to individuals and communities after a disaster. Also covers interagency and intergovernmental emergency preparedness, planning, training, and exercises are included.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Develop an Emergency Contingency Response Plan. Conduct an emergency drill based on the Emergency Response Plan. Modify an existing emergency plan according to changing technologies and threats.

Human Resources

HRPO 1311 - Human Relations

3 credit hours. 3 lecture hours. 0 lab hours.
Practical application of the principles and concepts of the behavioral sciences to interpersonal relationships in the business and industrial environment.
Measurable Learning Outcomes:
Evaluate human relations including diversity, attitudes, self-esteem, and interpersonal skills. Identify the causes and effects of stress in the workplace. Identify communication and decision-making skills. Describe how theories of motivation and human behavior impact strategies of change management.

HRPO 2301 - Human Resources Management

3 credit hours. 3 lecture hours. 0 lab hours.
Behavioral and legal approaches to the management of human resources in organizations.
Measurable Learning Outcomes:
Describe and explain the development of human resources management. Evaluate current methods of job analysis, recruitment, selection, training/development, performance management, promotion and separation. Discuss management's ethical, social, and legal responsibilities. Assess methods of compensation and benefits planning. Analyze the role of strategic human resource planning in support of organizational mission and objectives.

HRPO 2307 - Organizational Behavior

3 credit hours. 3 lecture hours. 0 lab hours.
The analysis and application of organizational theory, group dynamics, motivation theory, leadership concepts, and the integration of interdisciplinary concepts from the behavioral sciences.
Measurable Learning Outcomes:
Explain organizational theory as it relates to management practices, employee relations and structure of the organization to fit its environment and operation. Analyze leadership styles and determine their effectiveness in employee situations. Identify methods in resolving organizational problems. Describe the impact of corporate culture on employee behavior. Analyze team dynamics, team building strategies, and cultural diversity.

Humanities

HUMA 1301 - Introduction to the Humanities I

3 credit hours. 3 lecture hours. 0 lab hours.
R W
An exploration of human values significant to western civilization, incorporating influences of Asian and African cultures through great works of philosophy, architecture, literature, music and the visual arts from prehistory to the twentieth century. Interdisciplinary, multi-perspective assessment of factors critical to the formulation of values of the individual and society.
Measurable Learning Outcomes:
1. To heighten the student's awareness of the philosophical and artistic sources of western culture.
2. To enlarge the student's arts and philosophy vocabularies.
3. To encourage the students to examine their personal values in light of their cultural background while deepening their respect for other countries' value systems.

Information Technology

IMED 1316 - Web Design I

3 credit hours. 2 lecture hours. 2 lab hours.
Instruction in web page design and related graphic design issues including mark-up languages, web sites, and browsers.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Identify how the Internet functions with specific attention to the World Wide Web and file transfer. Apply design techniques in the creation and optimization of graphics and other embedded elements. Demonstrate the use of World Wide Web Consortium (W3C) formatting and layout standards. Design, create, test, and maintain a web site.

IMED 2309 - Internet Commerce

3 credit hours. 3 lecture hours. 1 lab hours.
Prerequisites: IMED 2315
An overview of the Internet as a marketing and sales tool with emphasis on developing a prototype for electronic commerce. Topics include dynamic data integration, data collection, and on-line transactions. This course is offered in the spring semester.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Perform audience analysis. State marketing objectives. Evaluate strategies for secure data transfer. Design a web project to use real-time processing capabilities intended to interact with a database.

IMED 2311 - Portfolio Development

3 credit hours. 2 lecture hours. 2 lab hours.
Preparation and enhancement of portfolio to meet professional standards, development of presentation skills, and improvement of job-seeking techniques. This course uses Adobe Acrobat, DreamWeaver, Photoshop, and audio/video software. This course is offered in the spring semester.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Arrange and refine projects for presentation. Identify current industry requirements for employment. Develop a presentation portfolio. Articulate the advantages of membership in a professional organization.

IMED 2315 - Web Design II

3 credit hours. 2 lecture hours. 2 lab hours.
Prerequisites: IMED 1316
A study of mark-up language advanced layout techniques for creating web pages. Emphasis on identifying the target audience and producing web sites according to accessibility standards, cultural appearance, and legal issues.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Demonstrate the use of World Wide Web Consortium (W3C) standards for style, accessibility, layout, and formatting. Build web pages with dynamic customization capabilities. Develop web sites designed for usability and cultural diversity. Utilize design strategies to increase the success of locating the site via search engines.

IMED 2359 - Interactive Web Elements

3 credit hours. 2 lecture hours. 2 lab hours.
Production of projects using current web development tools that may incorporate dynamic data, web graphics, animation, video and audio streaming.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Select and utilize web animation and graphic programs applicable to specified business conditions and applications. Create and add animation to a website. Digitize and stream a video segment to a website. Utilize World Wide Web Consortium (W3C) standards.

INEW 2338 - Advanced Java Programming

3 credit hours. 2 lecture hours. 2 lab hours.
Prerequisites: ITSE 2417
A continuation of JAVA programming techniques such as servlets, and advanced graphical functions.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Design, write, and test documented JAVA programs and servlets. Use advanced graphic functions.

ITNW 1325 - Fundamentals of Networking Technologies

3 credit hours. 3 lecture hours. 1 lab hours.
Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Identify and use network transmission media. Explain the OSI model. Identify the characteristics of network topologies and protocols. Identify the functions of a network operating system and distinguish between Local Area Networks (LANs) and Wide Ares Networks (WANs) and identify the components used to expand a LAN into a WAN.

ITNW 1358 - Network+

3 credit hours. 2 lecture hours. 4 lab hours.
Assists individuals in preparing for the Computing Technology Industry Association (CompTIA) Network+ certification exam and career as a network professional.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Identify and define terminology, hardware, and software components of computer networks; utilize equipment, protocols, and topologies to differentiate between various network systems; demonstrate skills in installing network hardware, software, and cable; troubleshoot network connectivity; configure network protocol; and install and configure network client software.

ITNW 1454 - Implementing and Supporting Servers

4 credit hours. 3 lecture hours. 2 lab hours.
Implement, administer, and troubleshoot information systems that incorporate servers in a networked computing environment.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Configure peripherals and devices. Set up servers. Configure directory replication. Manage licensing. Create and manage system polices, and profiles. Administer remote servers and disk resources. Create and share resources. Implement fault-tolerance. Configure servers for interoperability. Install and configure Remote Access Service (RAS). Identify and monitor performance bottlenecks and resolve configuration problems.

ITNW 2312 - Routers

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: ITNW 2321
Router Configuration for local area networks and wide area networks. Includes Internet Protocol (IP) addressing techniques and intermediate routing protocols. This course is offered in the spring semester.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Install, configure, and manage switches, routers, and subnets; create and apply access control lists in TCP/IP and multi-protocol internetworks; and configure variable-length subnet masking and intermediate routing protocols.

ITNW 2321 - Networking with TCP/IP

3 credit hours. 2 lecture hours. 4 lab hours.
Set up, configure, use, and support Transmission Control Protocol/Internet Protocol (TCP/IP) on networking operating systems.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Configure IP addressing and routing; design and implement a domain name server; static and dynamic IP addressing; subnets and supernets; and use network management utilities to maintain and troubleshoot IP networks.

ITNW 2405 - Network Administration

4 credit hours. 3 lecture hours. 2 lab hours.
Topics include network components, user accounts, and groups, network file systems, file system security, and network printing.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Describe the components of a local area network and their relationship. Create and administer user accounts and groups. Plan and set up network file systems. Create effective file system security. Implement and administer network printing.

ITSC 1301 - Introduction to Computers

3 credit hours. 3 lecture hours. 1 lab hours.
Overview of computer information systems. Introduces computer hardware, software, procedures, and human resources.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Identify the components of a computer system. Use common applications. Explain the impact of computers on society. Identify computer careers. Identify fundamental programming structures. Identify ethical use of computers. Use basic operating system functions.

ITSC 1305 - Introduction to PC Operating Systems

3 credit hours. 2 lecture hours. 2 lab hours.
Prerequisites: Student must be comfortable with Windows or ITSC 1301.
Introduction to personal computer operating systems including installation, configuration, file management, memory and storage management, control of peripheral devices, and use of utilities.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Install, configure, and maintain the operating system. Perform basic file management operations. Organize and allocate primary and secondary storage. Access and control peripheral devices and run utilities.

ITSC 1309 - Integrated Software Applications I

3 credit hours. 2 lecture hours. 2 lab hours.
Introduction to business productivity software suites using word processing, spreadsheets, databases, and/or presentation software.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Use word processing, spreadsheet, database, and/or presentation software. Integrate applications to produce documents.

ITSC 1315 - Project Management Software

3 credit hours. 2 lecture hours. 2 lab hours.
Use of project management software for developing a project plan including timelines, milestones, scheduling, life cycle phases, management frameworks, skills, processes, and tools.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Use project management software to plan and manage a project. Organize and evaluate project phases. Produce reports and charts. Distinguish task relationships and demonstrate teamwork.

ITSC 2386 - Internship - Computer and Information Sciences, General

3 credit hours. 0 lecture hours. 18 lab hours.
Prerequisites: 24 credit hours of CIS classes. To be taken last semester of degree plan or with prior approval of instructor. This course is offered in the fall and spring semester.
A work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and the employer.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environment, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

ITSE 1294 - Special Topics in Computer Science: Information Technology in Health Care Occupations/Marketable Skills

2 credit hours. 1 lecture hours. 2 lab hours.
The student will describe the purpose and value of information technology in a health care or business office setting; demonstrate ability to successfully complete computerized tasks using software available; describe various uses of computers and information technology in health care or business office. (This course is for students whose major is in health occupations or Computer Applications Marketable Skills Award.)
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Find which version of Windows they are using. Explain what the desktop, Start menu gadgets, and Control Panel are. Install and uninstall software. Explain the difference between an upgrade and an update. Define "files." Create libraries and folders and move or copy files between folders. Explain how to protect files from viruses and other malware. Connect to the Internet safely and browse or search for information. Send emails and attachments. Use a word processor to create, edit, print, and save

documents. Use a spreadsheet to create worksheets and graphs. Use a database to store information in an easily retrievable form. Use presentation software to create a presentation with graphics and animations.

ITSE 1307 - Introduction to C++ Programming

3 credit hours. 2 lecture hours. 2 lab hours.
Introduction to computer programming using C++. Emphasis on the fundamentals of object-oriented design with development, testing, implementation, and documentation. Includes language syntax, data and file structures, input/output devices, and files. This course is offered in the spring semester.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Use object-oriented programming (OOP) techniques. Develop executable programs. Create appropriate documentation. Incorporate pointers and/or arrays to manipulate data. Create programs using classes and objects.

ITSE 1311 - Beginning Web Programming

3 credit hours. 2 lecture hours. 2 lab hours.
Skill development in web page programming including mark-up and scripting languages. May include use of XHTML, CGI, JavaScript, and/or ASP. Introduction to structure and object oriented programming design.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Demonstrate the use of markup and scripting languages. Create interactive web pages.

ITSE 1329 - Programming Logic and Design

3 credit hours. 3 lecture hours. 0 lab hours.
Problem-solving applying structured techniques and representation of algorithms using design tools. Includes testing, evaluation, and documentation.
Measurable Learning Outcomes:
Identify the major concepts of structured programming. Illustrate the general concepts of structured design. Use design tools. Solve problems using logic techniques. Produce documented algorithms.

ITSE 1331 - Introduction to Visual Basic Programming

3 credit hours. 2 lecture hours. 2 lab hours.
Introduction to computer programming using Visual BASIC. Emphasizes the fundamentals of structured design, development, testing, implementation, and documentation. Includes language syntax, data and file structures, input/output devices, and files. This course is offered in the spring semester.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Use structured programming techniques. Develop executable programs. Create appropriate documentation. Create applicable graphical user interfaces.

ITSE 1350 - System Analysis and Design

3 credit hours. 3 lecture hours. 1 lab hours.
Introduction to the planning, design, and construction of computer information systems using the systems development life cycle and other appropriate design tools. This course is offered Fall semester only.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Use system design tools. Identify phases of the system design life cycle. Develop a prototype. Compare and contrast project management tools. Develop documentation for the system life cycle.

ITSE 1402 - Computer Programming

4 credit hours. 3 lecture hours. 2 lab hours.
Introduction to computer programming including design, development, testing, implementation, and documentation. This course is offered in the spring semester.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Design, write, test, and document computer programs.

ITSE 1421 - Object-Oriented Programming

4 credit hours. 3 lecture hours. 2 lab hours.
Introduction to object-oriented programming. Emphasis on the fundamentals of design with classes, including development,

testing, implementation, and documentation.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Develop executable programs. Create appropriate documentation. Create programs using classes and objects using object-oriented programming techniques.

ITSE 2417 - Java Programming

4 credit hours. 3 lecture hours. 2 lab hours.
Introduction to object-oriented JAVA programming including the fundamental syntax and semantics of JAVA for applications and web applets. This course is offered in the summer semester.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Design and write documented JAVA applications and applets.

ITSE 2421 - Object-Oriented Programming

4 credit hours. 3 lecture hours. 2 lab hours.
Introduction to object-oriented programming. Emphasis on the fundamentals of design with classes, including development, testing, implementation, and documentation.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Develop executable programs. Create appropriate documentation. Create programs using classes and objects using object-oriented programming techniques.

ITSE 2445 - Data Structures

4 credit hours. 3 lecture hours. 2 lab hours.
Design an analysis of data structures and their operations.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Design and write documented programs using data structures. Incorporate arrays, records, stacks, queues, lists, and trees. Use searching, sorting, traversal, and recursion techniques.

ITSW 1301 - Introduction to Word Processing

3 credit hours. 2 lecture hours. 2 lab hours.
An overview of the production of documents, tables, and graphics. This course is offered in the spring semester.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Identify word processing terminology and concepts. Create technical documents. Format and edit documents. Use simple tools and utilities and print documents.

ITSW 1304 - Introduction to Spreadsheets

3 credit hours. 2 lecture hours. 2 lab hours.
Instruction in the concepts, procedures, and application of electronic spreadsheets. This course is offered in the spring semester.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Define spreadsheet terminology and concepts, create formulas and functions, use formatting features, and generate charts, graphs, and reports.

ITSW 1307 - Introduction to Database

3 credit hours. 2 lecture hours. 2 lab hours.
Introduction to database theory and the practical applications of a database. This course is offered in the fall semester.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Identify database terminology and concepts. Plan, define, and design a database. Design and generate tables, forms, and reports. Devise and process queries.

ITSW 1310 - Introduction to Presentation Graphics Software

3 credit hours. 2 lecture hours. 2 lab hours.
Instruction in the utilization of presentation software to produce multimedia presentations. Graphics, text, sound, animation and/or video may be used in presentation development.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:

Identify presentation media terminology and concepts. Create presentations using text, visual and/or sound elements. Use effective compositions and style. Prepare presentations for distribution on computers or other media. Modify sequence and slide master.

ITSW 2337 - Advanced Database

3 credit hours. 2 lecture hours. 2 lab hours.
Advanced concepts of database design and functionality. This course is offered in the fall semester.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Explain relational database theory. Collect and distribute data. Analyze data. Perform complex queries, data validation and table relationships.

ITSY 1300 - Fundamentals of Information Security

3 credit hours. 2 lecture hours. 2 lab hours.
An introduction to information security including vocabulary and terminology, ethics, the legal environment, and risk management. Identification of exposures and vulnerabilities and appropriate countermeasures are addressed. The importance of appropriate planning, policies and controls is also discussed.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Outline best practices for the information security goals of confidentiality, integrity and availability. Explain ethical practices; Define vocabulary/terminology related to information security. Explain the importance of planning and administrative controls. Identify security threats, vulnerabilities, and countermeasures. Identify procedures for security risk management.

ITSY 1342 - Information Technology Security

3 credit hours. 2 lecture hours. 2 lab hours.
Instruction in security for network hardware, software, and data, including physical security; backup procedures; relevant tools; encryption; and protection from viruses.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Employ the physical security of network infrastructure components using National Institute of Standards and Technology (NIST) Guidelines and other best practices. Develop backup procedures to provide for data security. Use network operating system features to implement network security. Identify computer and network threats and vulnerabilities and methods to prevent their effects. Use tools to enhance network security. Use encryption techniques to protect network data.

ITSY 2301 - Firewalls and Network Security

3 credit hours. 2 lecture hours. 2 lab hours.
Prerequisites: ITNW 2321 or consent of instructor
Identify elements of firewall design, types of security threats and responses to security attacks. Use Best Practices to design, implement, and monitor a network security plan. Examine security incident postmortem reporting and ongoing network security activities. This course is offered in the spring semester and should be taken in the student's second semester.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Demonstrate system security skills through firewall implementation and testing. Use system tools, practices, and relevant technologies to implement a security plan. Evaluate practices, tools, and technologies to identify security breaches, sources of attacks, and protect mission critical systems. Establish an appropriate level of security based on an analysis of security logs. Use relevant tools to secure a network, respond to and follow up on various types of attacks.

ITSY 2400 - Operating System Security

4 credit hours. 3 lecture hours. 2 lab hours.
Safeguard computer operating systems by demonstrating server support skills and designing and implementing a security system. Identify security threats and monitor network security implementations. Use best practices to configure operating systems to industry security standards.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Identify network security risks, security design, and monitoring solutions. Identify sources of computer threats, evaluate potential practices, tools and technologies to protect individual network systems. Establish and sustain an operating system security plan utilizing systems and application security tools. Implement procedures to secure and monitor audit logs and set system administrator alerts. Develop an organizational operating system security plan that provides for periodic reviews of security policies, procedures, authorized users list, and software update patches.

ITSY 2441 - Security Management Practices

4 credit hours. 3 lecture hours. 2 lab hours.
In-depth coverage of security management practices, including asset evaluation and risk management; cyber law and ethics issues; policies and procedures; business recovery and business continuity planning; network security design; and developing and maintaining a security plan.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Develop a security plan. Establish suitable level of protection. Determine legal issues. Implement network security design. Revise risk analysis and security plan.

Instrumental Ensembles

Notes:

Ensembles

All ensembles are open to all students regardless of major. Performing ensembles serve three distinct purposes: (1) they provide music majors with the ensemble participation necessary for successful completion of their music degree; (2) they provide those not majoring in music an enjoyable outlet, the experience of self-expression, and the social development that results from participation in a group activity; (3) they serve as valuable public relations agents for the College, and for this reason, students have the opportunity to travel and perform at a variety of functions. A great way to get involved at Temple College is to become a member of one of the performing ensembles. All music majors and minors are required to participate in a minimum of one major ensemble during each semester they are in residence. All ensembles may be repeated for credit. Maximum of 8 credits each.

MUEN 1121 - Symphonic Band

1 credit hours. 0 lecture hours. 5 lab hours.
Open to any instrumentalist by audition only. Performs a wide range of literature from popular selections to the more advanced works for wind ensemble. Presents concerts on campus and at various functions in the area. Maximum of 8 credits.
Measurable Learning Outcomes:
1. Knowledge of preparation and performance of appropriate standard repertoire.
2. Knowledge of appropriate standard literature.
3. Develop collaborative skills.

MUEN 1122 - Jazz Orchestra

1 credit hours. 0 lecture hours. 5 lab hours.
Open to specific instrumentalists by audition only. Offers students an intensive study and experience with jazz and other big band literature. Travels in the Central Texas area presenting concerts at high schools, civic functions, etc. Maximum of 8 credits.
Measurable Learning Outcomes:
1. Knowledge of preparation and performance of appropriate standard repertoire.
2. Knowledge of appropriate standard literature.
3. Develop collaborative skills.

MUEN 1123 - Orchestra

1 credit hours. 0 lecture hours. 5 lab hours.
Open to any instrumentalist by audition only. Gives players the opportunity to perform in a large orchestral ensemble. Performs a wide variety of music from standard orchestral literature. Presents concerts on the TC campus. Maximum of 8 credits.
Measurable Learning Outcomes:
1. Knowledge of preparation and performance of appropriate standard repertoire.
2. Knowledge of appropriate standard literature.
3. Develop collaborative skills.

MUEN 1124 - Jazz Ensemble

1 credit hours. 0 lecture hours. 5 lab hours.
Open to specific instrumentalists by audition only. Offers students experience in big band styles and jazz improvisation. Presents concerts on campus and the community. Maximum of 8 credits.
Measurable Learning Outcomes:
1. Knowledge of preparation and performance of appropriate standard repertoire.
2. Knowledge of appropriate standard literature.
3. Develop collaborative skills.

MUEN 1131 - Chamber Ensemble: (mixed)

1 credit hours. 0 lecture hours. 2 lab hours.

Rehearsal and performance of chamber music literature for small groups, including strings, woodwinds, brass, piano, and voice. Will perform on and off campus. Maximum of 8 credits.

Measurable Learning Outcomes:

1. Knowledge of preparation and performance of appropriate standard repertoire.
2. Knowledge of appropriate standard literature.
3. Develop collaborative skills.

MUEN 1132 - Chamber Ensemble: (piano)

1 credit hours. 0 lecture hours. 2 lab hours.

Required for all piano majors or piano emphasis students. A study of piano technique and literature with participation in ensemble performances. Maximum of 8 credits.

Measurable Learning Outcomes:

1. Knowledge of preparation and performance of appropriate standard repertoire.
2. Knowledge of appropriate standard literature.
3. Develop collaborative skills.

MUEN 1133 - Chamber Ensemble: (string)

1 credit hours. 0 lecture hours. 2 lab hours.

Open to any string player. No audition required. Gives string players experience in playing chamber orchestral literature. Presents concerts on campus and accompanies other campus ensembles in major musical works. Maximum of 8 credits.

Measurable Learning Outcomes:

1. Knowledge of preparation and performance of appropriate standard repertoire.
2. Knowledge of appropriate standard literature.
3. Develop collaborative skills.

MUEN 1134 - Chamber Ensemble: (woodwind)

1 credit hours. 0 lecture hours. 2 lab hours.

Rehearsal and performance of chamber music for woodwinds, with emphasis on the development of the literature from 1700 to the present. Maximum of 8 credits.

Measurable Learning Outcomes:

1. Knowledge of preparation and performance of appropriate standard repertoire.
2. Knowledge of appropriate standard literature.
3. Develop collaborative skills.

MUEN 1135 - Chamber Ensemble: (brass)

1 credit hours. 0 lecture hours. 2 lab hours.

Rehearsal and performance of chamber music for brass instruments, with attention focused on the development of the literature from 1550 to the present. Maximum of 8 credits.

Measurable Learning Outcomes:

1. Knowledge of preparation and performance of appropriate standard repertoire.
2. Knowledge of appropriate standard literature.
3. Develop collaborative skills.

MUEN 1136 - Chamber Ensemble: (percussion)

1 credit hours. 0 lecture hours. 2 lab hours.

Rehearsal and performance of chamber music for percussion, with emphasis on Twentieth Century literature. Maximum of 8 credits.

Measurable Learning Outcomes:

1. Knowledge of preparation and performance of appropriate standard repertoire.
2. Knowledge of appropriate standard literature.
3. Develop collaborative skills.

MUEN 1137 - Chamber Ensemble: (low Brass)

1 credit hours. 0 lecture hours. 2 lab hours.

Rehearsal and performance of chamber music for low brass instruments. Maximum of 8 credits.

Measurable Learning Outcomes:

1. Knowledge of preparation and performance of appropriate standard repertoire.
2. Knowledge of appropriate standard literature.

3. Develop collaborative skills.

MUEN 1138 - Chamber Ensemble: (flute)

1 credit hours. 0 lecture hours. 2 lab hours.

Open to any student by audition only. Rehearsal and performance of chamber music for flute. Maximum of 8 credits.

Measurable Learning Outcomes:

1. Knowledge of preparation and performance of appropriate standard repertoire.
2. Knowledge of appropriate standard literature.
3. Develop collaborative skills.

MUEN 1139 - Chamber Ensemble: (guitar)

1 credit hours. 0 lecture hours. 2 lab hours.

Offers the guitarist the opportunity to rehearse and perform with other guitarists. This ensemble presents concerts throughout the school year on and off the TC campus. For beginners to advanced players. Maximum of 8 credits.

Measurable Learning Outcomes:

1. Knowledge of preparation and performance of appropriate standard repertoire.
2. Knowledge of appropriate standard literature.
3. Develop collaborative skills.

MUEN 1140 - Jazz Combo

1 credit hours. 0 lecture hours. 2 lab hours.

The jazz combo is a small select instrumental group that performs compositions from a variety of jazz styles such as samba, bossa nova, swing, bebop, and fusion. Students will also study the historical development of jazz and the fundamentals of improvisation, interpretation, and performance of jazz. Maximum of 8 credits.

Measurable Learning Outcomes:

1. Knowledge of preparation and performance of appropriate standard repertoire.
2. Knowledge of appropriate standard literature.
3. Develop collaborative skills.

MUEN 2131 - Collegium Musicum

1 credit hours. 0 lecture hours. 2 lab hours.

Collegium Musicum is a chamber ensemble devoted to the rehearsal and performance of early music with emphasis on historical accuracy of style, instruments, and other musical considerations. The ensemble concentrates on western art music of the Middle Ages, Renaissance, and Baroque eras, although art music of other regions and folk music may also be included. Maximum of 8 credits.

Measurable Learning Outcomes:

1. Knowledge of preparation and performance of appropriate standard repertoire.
2. Knowledge of appropriate standard literature.
3. Develop collaborative skills.

Integrated Reading and Writing

INRW 0301 - Integrated Reading and Writing

3 credit hours. 3 lecture hours. 1 lab hours.

Prereq/Corequisites: STSK 0305 or EDUC 1300

Integration of critical reading and academic writing skills. The course fulfills TSI requirements for reading and/or writing.

Measurable Learning Outcomes:

Upon successful completion of this course, students will:

1. Locate explicit textual information, draw complex inferences, and describe, analyze, and evaluate the information within and across multiple texts of varying lengths.

2. Comprehend and use vocabulary effectively in oral communication, reading, and writing.
3. Identify and analyze the audience, purpose, and message across a variety of texts.
4. Describe and apply insights gained from reading and writing a variety of texts.
5. Compose a variety of texts that demonstrate reading comprehension, clear focus, logical development of ideas, and use of appropriate language that advance the writer's purpose.
6. Determine and use effective approaches and rhetorical strategies for given reading and writing situations.
7. Generate ideas and gather information relevant to the topic and purpose, incorporating the ideas and words of other writers in student writing using established strategies.
8. Evaluate relevance and quality of ideas and information in recognizing, formulating, and developing a claim.
9. Develop and use effective reading and revision strategies to strengthen the writer's ability to compose college-level writing assignments.
10. Recognize and apply the conventions of standard English in reading and writing.

INRW 0302 - Integrated Reading and Writing

3 credit hours. 3 lecture hours. 1 lab hours.
Prerequisites: READ 0301 and ENGL 0301 or in INRW 0301 or an appropriate score on the placement test is required.
Prereq/Corequisites: STSK 0305 or EDUC 1300
Integration of critical reading and academic writing skills. The course fulfills TSI requirements for reading and/or writing.
Measurable Learning Outcomes:
Upon successful completion of this course, students will:
1. Locate explicit textual information, draw complex inferences, and describe, analyze, and evaluate the information within and across multiple texts of varying lengths.
2. Comprehend and use vocabulary effectively in oral communication, reading, and writing.
3. Identify and analyze the audience, purpose, and message across a variety of texts.
4. Describe and apply insights gained from reading and writing a variety of texts.
5. Compose a variety of texts that demonstrate reading comprehension, clear focus, logical development of ideas, and use of appropriate language that advance the writer's purpose.
6. Determine and use effective approaches and rhetorical strategies for given reading and writing situations.
7. Generate ideas and gather information relevant to the topic and purpose, incorporating the ideas and words of other writers in student writing using established strategies.
8. Evaluate relevance and quality of ideas and information in recognizing, formulating, and developing a claim.
9. Develop and use effective reading and revision strategies to strengthen the writer's ability to compose college-level writing assignments.
10. Recognize and apply the conventions of standard English in reading and writing.

Marketing

MRKG 1301 - Customer Relationship Management

3 credit hours. 3 lecture hours. 0 lab hours.
General principles of customer service including skills, knowledge, attitudes and behaviors. Customer Service Specialist (CSS) exam conducted for industry certification.
Additional Fees: Exam fee for certification $75
Measurable Learning Outcomes:
Examine internal and external customer relationship management (CRM) strategies.

MRKG 1302 - Principles of Retailing

3 credit hours. 3 lecture hours. 0 lab hours.
Introduction to the retailing environment, types of retailers, current trends, the employment of retailing techniques, and factors that influence retailing.
Measurable Learning Outcomes:

Identify consumer segments, environmental trends, and traditional and nontraditional retailing markets. Explain the functions of retailing. Describe effective retailing techniques.

MRKG 1311 - Principles of Marketing

3 credit hours. 3 lecture hours. 0 lab hours.
Introduction to the marketing mix functions and process. Includes identification of consumer and organizational needs and explanation of environmental issues.
Measurable Learning Outcomes:
Identify the marketing mix components. Explain the environmental factors which influence consumer and organizational decision-making processes. Outline a marketing plan.

MRKG 1313 - Public Relations

3 credit hours. 3 lecture hours. 0 lab hours.
Exploration of theories, techniques, and processes of public relations (PR). Includes methods of building good will, analysis of media, obtaining publicity, and implementation of PR programs.
Measurable Learning Outcomes:
Explain the basic process of public relations. Demonstrate public relations principles.

MRKG 2349 - Advertising and Sales Promotion

3 credit hours. 3 lecture hours. 0 lab hours.
Integrated marketing communications. Includes advertising principles and practices. Emphasizes multi-media of persuasive communication including buyer behavior, budgeting, and regulatory constraints.

Measurable Learning Outcomes:
Discuss the principles, practices, and use of multi-media in persuasive communication. Establish promotional strategies, goals, and objectives within budget constraints and regulatory agencies. Create a multi-media campaign based on research for a specific product or service.

Mathematics

MATH 1314 - College Algebra

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: TSI-complete (college-ready) or Texas Success Initiative exempt (ACT, SAT, TAKS).
M
In-depth study and applications of polynomial, rational, radical, exponential and logarithmic functions, and systems of equations using matrices. Additional topics such as sequences, series, probability, and conics may be included.
Additional Fees: $15
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Demonstrate and apply knowledge of properties of functions, including domain and range, operations, compositions, and inverses. Recognize and apply polynomial, rational, radical, exponential and logarithmic functions and solve related equations. Apply graphing techniques. Evaluate all roots of higher degree polynomial and rational functions. Recognize, solve and apply systems of linear equations using matrices.
Notes:
Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members and peer tutors. Labs in Taylor and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Taylor, Cameron and Hutto locations.
While every effort has been made to align our pre-requisites with the majority of major receiving institutions, it is ultimately the learner's responsibility to be aware of his/her institution's particular pre-requisites.
MyMathLab is used in most classes.

MATH 1324 - Mathematics for Business and Social Science I

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: TSI-complete (college-ready) or Texas Success Initiative exempt (ACT, SAT, TAKS).
M
The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in

business, economics, and the social sciences are addresssed. The applications include mathematics of finance, including simple and compound interest and annuities; systems of linear equations; matrices; linear programming; and probability, including expected value.
Additional Fees: $15
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Apply elementary functions, including linear, quadratic, polynomial, rational, logarithmic, and exponential functions to solving real-world problems. Solve mathematics of finance problems, including the computation of interest, annuities, and amortization of loans. Apply basic matrix operations, including linear programming methods, to solve application problems. Demonstrate fundamental probability techniques and application of those techniques, including expected value, to solve problems. Apply matrix skills and probability analyses to model applications to solve real-world problems.
Notes:
Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members and peer tutors. Labs in Taylor and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Taylor, Cameron and Hutto locations.
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MyMathLab is used in most classes.

MATH 1325 - Mathematics for Business and Social Science II

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: MATH 1324 or MATH 1314. (MATH 1314 is acceptable, but not preferable.)
MATH 2413, Calculus I.
Additional Fees: $15
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Apply calculus to solve business, economics, and social sciences problems. Apply appropriate differentiation techniques to obtain derivatives of various functions, including logarithmic and exponential functions. Solve application problems involving implicit differentiation and related rates. Solve optimization problems with emphasis on business and social sciences applications. Determine appropriate techniques(s) of integration. Integrate functions using the method of integration by parts or substitution, as appropriate. Solve business, economics, and social sciences applications problems using integration techniques.
Notes:
Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members and peer tutors. Labs in Taylor and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Taylor, Cameron and Hutto locations.
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MyMathLab is used in most classes.

MATH 1332 - Contemporary Mathematics I

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: TSI-complete (college-ready) or Texas Success Initiative exempt(ACT, SAT, TAKS).
M
Topics may include introductory treatment to sets, logic, number systems, number theory, relations, functions, probability and statistics. This course emphasizes using critical thinking to make decisions based on information. Appropriate applications are included.
Additional Fees: $15
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Discern between the graphs of basic functions. Compute f(x) values. Perform the probability of an event. Determine descriptive statistics Solve word problems using various techniques.
Notes:
Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members and peer tutors. Labs in Taylor and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Taylor, Cameron and Hutto locations.
While every effort has been made to align our pre-requisites with the majority of major receiving institutions, it is ultimately the learner's responsibility to be aware of his/her institution's particular pre-requisites.
MyMathLab is used in most classes.

MATH 1333 - Contemporary Mathematics II

3 credit hours. 3 lecture hours. 0 lab hours.

Prerequisites: TSI-complete (college-ready) or Texas Success Initiative exempt(ACT, SAT, TAKS).

This course is a continuation of MATH 1332. Topics may include geometry, right triangle trigonometry, and sampling theory. The emphasis will be on mathematically based critical thinking. Students may be required to use a calculator. This course uses MyMathLab.

Additional Fees: $15

Measurable Learning Outcomes:

Upon successful completion of this course, students will: Discern between the graphs of basic functions. Compute f(x) values. Perform the probability of an event. Determine descriptive statistics Solve word problems using various techniques.

Notes:

Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members and peer tutors. Labs in Taylor and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Taylor, Cameron and Hutto locations.

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MyMathLab is used in most classes.

MATH 1350 - Fundamentals of Mathematics I

3 credit hours. 3 lecture hours. 0 lab hours.

Prerequisites: MATH 1314.

Concepts of sets, functions, numeration systems, number theory, and properties of the natural numbers, integers, rational and real number systems with an emphasis on problem solving and critical thinking. This course is designed specifically for students who seek elementary teacher certification.

Additional Fees: $15

Measurable Learning Outcomes:

Upon successful completion of this course, students will: Demonstrate the properties of the real number system. Understand concepts of sets and their notation. Verbally demonstrate the usage of the properties of the real number. Demonstrate techniques applicable for grades K-8 on critical thinking skills. Demonstrate techniques applicable for grades K-8 on problem-solving.

Notes:

Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members and peer tutors. Labs in Taylor and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Taylor, Cameron and Hutto locations.

While every effort has been made to align our pre-requisites with the majority of major receiving institutions, it is ultimately the learner's responsibility to be aware of his/her institution's particular pre-requisites.

MyMathLab is used in most classes.

MATH 1351 - Fundamentals of Mathematics II

3 credit hours. 3 lecture hours. 0 lab hours.

Prerequisites: MATH 1350 or MATH 1314.

Concepts of geometry, probability, and statistics, as well as applications of the algebraic properties of real numbers to concepts of measurement with an emphasis on problem solving and critical thinking. This course is designed specifically for students who seek middle grade teacher certification (4th – 8th grade).

Additional Fees: $15

Measurable Learning Outcomes:

Upon successful completion of this course, students will: Demonstrate techniques applicable for grades K-8 on knowledge of geometry. Compute the probability of an event. Compute descriptive statistics. Use the properties of real numbers to solve word problems. Demonstrate concepts of various types of measurements.

Notes:

Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members and peer tutors. Labs in Taylor and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Taylor, Cameron and Hutto locations.

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MyMathLab is used in most classes.

MATH 1442 - Elementary Statistical Methods

4 credit hours. 4 lecture hours. 0 lab hours.
Prerequisites: TSI-complete (college-ready) or Texas Success Initiative exempt(ACT, SAT, TAKS).
M
Collection, analysis, presentation and interpretation of data, and probability. Analysis includes descriptive statistics, correlation and regression, confidence intervals and hypothesis testing. Use of appropriate technology is recommended.
Additional Fees: Lab Fee $15
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Explain the use of data collection and statistics as tools to reach reasonable conclusions. Recognize, examine and interpret the basic principles of describing and presenting data. Compute and interpret empirical and theoretical probabilities using the rules of probabilities and combinatorics. Explain the role of probability in statistics. Examine, analyze and compare various sampling distributions for both discrete and continuous random variables. Describe and compute confidence intervals. Solve linear regression and correlation problems. Perform hypothesis testing using statistical methods.
Notes:
Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members and peer tutors. Labs in Taylor and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Taylor, Cameron and Hutto locations.
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MyMathLab is used in most classes.

MATH 2305 - Discrete Mathematics

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: MATH 2412.
A course designed to prepare math, computer science, and engineering majors for a background in abstraction, notation, and critical thinking for the mathematics most directly related to computer science. Topics include: logic, relations, functions, basic set theory, countability and counting arguments, proof techniques, mathematical induction, combinatorics, discrete probability, recursion, sequence and recurrence, elementary number theory, graph theory, and mathematical proof techniques. Students may be required to use a calculator.
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Construct mathematical arguments using logical connectives and quantifiers. Verify the correctness of an argument using propositional and predicate logic and truth tables. Demonstrate the ability to solve problems using counting techniques and combinatorics in the context of discrete probability. Solve problems involving recurrence relations and generating functions. Use graphs and trees as tools to visualize and simplify situations. Perform operations on discrete structures such as sets, functions, relations, and sequences. Construct proofs using direct proof, proof by contraposition, proof by contradiction, proof by cases, and mathematical induction. Apply algorithms and use definitions to solve problems to prove statements in elementary number theory.
Notes:
Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members and peer tutors. Labs in Taylor and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Taylor, Cameron and Hutto locations.
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MyMathLab is used in most classes.

MATH 2318 - Linear Algebra

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: MATH 2413.
Introduces and provides models for application of the concepts of vector algebra. Topics include finite dimensional vector spaces and their geometric significance; representing and solving systems of linear equations using multiple methods, including Gaussian elimination and matrix inversion; matrices; determinants; linear transformations; quadratic forms; eigenvalues and eigenvector; and applications in science and engineering. Students may be required to use a calculator.

Measurable Learning Outcomes:
Upon successful completion of this course, students will: Be able to solve systems of linear equations using multiple methods, including Gaussian elimination and matrix inversion. Be able to carry out matrix operations, including inverses and determinants. Demonstrate understanding of the concepts of vector space and subspace. Demonstrate understanding of linear independence, span, and basis. Be able to determine eigenvalues and eigenvectors and solve problems involving eigenvalues. Apply principles of matrix algebra to linear transformations. Demonstrate application of inner products and associated norms.
Notes:
Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members and peer tutors. Labs in Taylor and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Taylor, Cameron and Hutto locations.
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MyMathLab is used in most classes.

MATH 2320 - Differential Equations

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: MATH 2414
Ordinary differential equations, including linear equations, systems of equations, equations with variable coefficients, existence and uniqueness of solutions, series solutions, singular points, transform methods, and boundary value problems; application of differential equations to real-world problems. Students may be required to use a calculator.
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Identify homogeneous equations, homogeneous equations with constant coefficients, and exact and linear differential equations. Solve ordinary differential equations and systems of equations using: a) Direct integration, b) Separation of variables, c) Reduction of order, d) Methods of undetermined coefficients and variation of parameters, e) Series solutions, f) Operator methods for finding particular solutions and g) Laplace transform methods. Determine particular solutions to differential equations with given boundary conditions or initial conditions. Analyze real-world problems in fields such as Biology, Chemistry, Economics, Engineering, and Physics, including problems related to population dynamics, mixtures, growth and decay, heating and cooling, electronic circuits, and Newtonian mechanics.
Notes:
Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members and peer tutors. Labs in Taylor and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Taylor, Cameron and Hutto locations.
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MyMathLab is used in most classes.

MATH 2412 - Pre-Calculus Math

4 credit hours. 4 lecture hours. 0 lab hours.
Prerequisites: MATH 1314 or permission of the department chair.
In-depth combined study of algebra, trigonometry, and other topics for calculus readiness. Topics may include trigonometric functions and their graphs, trigonometric identities, radian and degree measure, trigonometric equations, solutions of triangles, inverse trigonometric functions, vectors (parametric and polar representations are included), conic sections, sequences and series, and mathematical induction. Students may be required to use a calculator. This course may include MyMathLab.
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Demonstrate and apply knowledge of properties of functions. Recognize and apply algebraic and transcendental functions and solve related equations. Apply graphing techniques to algebraic and transcendental functions. Compute the values of trigonometric functions for key angles in all quadrants of the unit circle measured in both degrees and radians. Prove trigonometric identities. Solve right and oblique triangles.
Notes:
Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members and peer tutors. Labs in Taylor and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring on at the Taylor, Cameron and Hutto locations.
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MyMathLab is used in most classes.

MATH 2413 - Calculus I

4 credit hours. 4 lecture hours. 0 lab hours.
Prerequisites: MATH 2412 or permission of the department chair.
This course includes Limits and continuity, definition of the derivative of a function and techniques of differentiation, applications of the derivative to maximizing or minimizing a function, the chain rule, mean value theorem, and rate of change problems, curve sketching, definite and indefinite integration of algebraic, trigonometric, the Fundamental Theorem of Calculus and transcendental functions, with an application to calculation of areas. Students may be required to use a calculator.
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Develop solutions for tangent and area problems using the concepts of limits, derivatives, and integrals. Draw graphs of algebraic and transcendental functions considering limits, continuity, and differentiability at a point. Determine whether a function is continuous and/or differentiable at a point using limits. Use differentiation rules to differentiate algebraic and transcendental functions. Identify appropriate calculus concepts and techniques to provide mathematical models of real-world situations and determine solutions to applied problems. Evaluate definite integrals using the Fundamental Theorem of Calculus. Articulate the relationship between derivatives and integrals using the Fundamental Theorem of Calculus.
Notes:
Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members and peer tutors. Labs in Taylor and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Taylor, Cameron and Hutto locations.
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MyMathLab is used in most classes.

MATH 2414 - Calculus II

4 credit hours. 4 lecture hours. 0 lab hours.
Prerequisites: MATH 2413.
This course is a continuation from Calculus I. The course includes a continuation of areas under a curve, Differentiation and integration of transcendental functions, calculus of parametric polar forms, techniques of integration, sequences and series, including Taylor and Maclaurin series, applications of the definite integral, and improper integrals. Students may be required to use a calculator.
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Use the concepts of definite integrals to solve problems involving area, volume, work, and other physical applications. Use substitution, integration by parts, trigonometric substitution, partial fractions, and tables of anti-derivatives to evaluate definite and indefinite integrals. Define an improper integral. Apply the concepts of limits, convergence, and divergence to evaluate some classes of improper integrals. Determine convergence or divergence of sequences and series. Use Taylor and MacLaurin series to represent functions. Use Taylor or MacLaurin series to integrate functions not integrable by conventional methods. Use the concept of polar coordinates to find areas, lengths of curves, and representations of conic sections.
Notes:
Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members and peer tutors. Labs in Taylor and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Taylor, Cameron and Hutto locations.
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MyMathLab is used in most classes.

MATH 2415 - Calculus III

4 credit hours. 4 lecture hours. 0 lab hours.
Prerequisites: MATH 2414.
This course involves multivariable calculus with applications, including vectors and vector-valued functions, partial differentiation, Lagrange multipliers, multiple integrals, and Jacobians. Application of the line integral, including Green's Theorem, the Divergence Theorem, and Stokes' Theorem will also be covered. Students may be required to use a calculator.
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Perform calculus operations on vector valued functions, including derivatives, integrals, curvature, displacement, velocity, acceleration, and torsion. Perform calculus operations on functions of several variables, including partial derivatives, directional derivatives, and multiple integrals. Find extrema and tangent planes. Solve problems using the Fundamental Theorem of Line Integrals, Green's Theorem, the Divergence Theorem, and Stokes' Theorem. Apply the computational and conceptual principles of calculus to the solutions of real-world problems.
Notes:

Any student enrolled in a mathematics course at Temple College will be eligible to attend a mathematics lab. The main campus lab will be open at least 20 hours each week and will be staffed by the lab director, regular math faculty members and peer tutors. Labs in Taylor and Cameron will be open a limited number of hours as posted at those facilities. Hours vary each semester. Check with center directors for available tutoring at the Taylor, Cameron and Hutto locations.
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MyMathLab is used in most classes.

Music

MUAP 1101 - Private Instruction STRINGS VIOLIN

1 credit hours. 0.5 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1102 - Private Instruction STRINGS VIOLIN

1 credit hours. 0.5 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1105 - Private Instruction VIOLA

1 credit hours. 0.5 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1106 - Private Instruction VIOLA

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1109 - Private Instruction CELLO

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1110 - Private Instruction CELLO

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1111 - Private Instruction HARP

1 credit hours. .05 lecture hours.

Class or private study is available to all students of the College on both beginning and advanced levels of

instruction. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1112 - Private Instruction HARP

1 credit hours. .05 lecture hours.

Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1113 - Private Instruction BASS

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1114 - Private Instruction BASS

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied

instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1115 - Private Instruction BASS-ELECTRIC

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1116 - Private Instruction BASS-ELECTRIC

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1117 - Private Instruction WOODWINDS FLUTE

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music

division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1118 - Private Instruction WOODWINDS FLUTE

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1121 - Private Instruction OBOE

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1122 - Private Instruction OBOE

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1125 - Private Instruction BASSOON

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1126 - Private Instruction BASSOON

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

MUAP 1129 - Private Instruction CLARINET

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

MUAP 1130 - Private Instruction CLARINET

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1133 - Private Instruction SAXOPHONE

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1134 - Private Instruction SAXOPHONE

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1137 - Private Instruction BRASS TRUMPET

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1138 - Private Instruction BRASS TRUMPET

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1141 - Private Instruction FRENCH HORN

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1142 - Private Instruction FRENCH HORN

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1145 - Private Instruction TROMBONE

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private

instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1146 - Private Instruction TROMBONE

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1149 - Private Instruction BARITONE/TUBA

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1150 - Private Instruction BARITONE/TUBA

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically,

non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1157 - Private Instruction PERCUSSION

1 credit hours. 0.5 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1158 - Private Instruction PERCUSSION

1 credit hours. 0.5 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1161 - Private Instruction GUITAR-CLASSICAL

1 credit hours. 0.5 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1162 - Private Instruction GUITAR-CLASSICAL

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1169 - Private Instruction PIANO

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1170 - Private Instruction PIANO

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1171 - Private Instruction JAZZ PIANO

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with

the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1172 - Private Instruction JAZZ PIANO

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1181 - Private Instruction VOICE - R

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. To learn and demonstrate understanding of healthy vocal technique through the use of standard vocal repertoire.
2. To develop knowledge of standard vocal repertoire in the various languages used by composers.
3. To learn proper responsibility for practicing and preparation of repertoire.

MUAP 1182 - Private Instruction VOICE - R

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. To learn and demonstrate understanding of healthy vocal technique through the use of standard vocal repertoire.
2. To develop knowledge of standard vocal repertoire in the various languages used by composers.
3. To learn proper responsibility for practicing and preparation of repertoire.

MUAP 1187 - Private Instruction GUITAR-ELECTRIC

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1188 - Private Instruction GUITAR-ELECTRIC

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1201 - Private Instruction STRINGS VIOLIN

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1202 - Private Instruction STRINGS VIOLIN

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1205 - Private Instruction VIOLA

2 credit hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1206 - Private Instruction VIOLA

2 credit hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1209 - Private Instruction CELLO

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with

the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1210 - Private Instruction CELLO

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1211 - Private Instruction HARP

2 credit hours. 1 lecture hours.

Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1212 - Private Instruction HARP

2 credit hours. 1 lecture hours.

Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their

principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1213 - Private Instruction BASS

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1214 - Private Instruction BASS

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1215 - Private Instruction BASS-ELECTRIC

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1216 - Private Instruction BASS-ELECTRIC

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1217 - Private Instruction WOODWINDS FLUTE

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1218 - Private Instruction WOODWINDS FLUTE

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1221 - Private Instruction OBOE

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1222 - Private Instruction OBOE

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1225 - Private Instruction BASSOON

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1226 - Private Instruction BASSOON

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with

the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1229 - Private Instruction CLARINET

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1230 - Private Instruction CLARINET

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

MUAP 1233 - Private Instruction SAXOPHONE

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1234 - Private Instruction SAXOPHONE

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1237 - Private Instruction BRASS TRUMPET

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1238 - Private Instruction BRASS TRUMPET

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1241 - Private Instruction FRENCH HORN

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with

the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1242 - Private Instruction FRENCH HORN

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1245 - Private Instruction TROMBONE

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1246 - Private Instruction TROMBONE

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically,

non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1249 - Private Instruction BARITONE/TUBA

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1250 - Private Instruction BARITONE/TUBA

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1257 - Private Instruction PERCUSSION

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1258 - Private Instruction PERCUSSION

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1261 - Private Instruction GUITAR-CLASSICAL

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1262 - Private Instruction GUITAR-CLASSICAL

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1269 - Private Instruction PIANO

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with

the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1270 - Private Instruction PIANO

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1271 - Private Instruction JAZZ PIANO

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1272 - Private Instruction JAZZ PIANO

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically,

non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1281 - Private Instruction VOICE - R

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. To learn and demonstrate understanding of healthy vocal technique through the use of standard vocal repertoire.
2. To develop knowledge of standard vocal repertoire in the various languages used by composers.
3. To learn proper responsibility for practicing and preparation of repertoire.

MUAP 1282 - Private Instruction VOICE - R

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. To learn and demonstrate understanding of healthy vocal technique through the use of standard vocal repertoire.
2. To develop knowledge of standard vocal repertoire in the various languages used by composers.
3. To learn proper responsibility for practicing and preparation of repertoire.

MUAP 1287 - Private Instruction GUITAR-ELECTRIC

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 1288 - Private Instruction GUITAR-ELECTRIC

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2101 - Private Instruction STRINGS VIOLIN

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2102 - Private Instruction STRINGS VIOLIN

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2105 - Private Instruction VIOLA

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private

instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2106 - Private Instruction VIOLA

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2109 - Private Instruction CELLO

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2110 - Private Instruction CELLO

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically,

non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2111 - Private Instruction HARP

1 credit hours. .05 lecture hours.

Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2112 - Private Instruction HARP

1 credit hours. .05 lecture hours.

Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2113 - Private Instruction BASS

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music

division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2114 - Private Instruction BASS

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2115 - Private Instruction BASS-ELECTRIC

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2116 - Private Instruction BASS-ELECTRIC

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2117 - Private Instruction WOODWINDS FLUTE

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2118 - Private Instruction WOODWINDS FLUTE

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2121 - Private Instruction OBOE

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2122 - Private Instruction OBOE

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private

instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2125 - Private Instruction BASSOON

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2126 - Private Instruction BASSOON

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2129 - Private Instruction CLARINET

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically,

non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2130 - Private Instruction CLARINET

1 credit hours. 0.5 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2133 - Private Instruction SAXOPHONE

1 credit hours. 0.5 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2134 - Private Instruction SAXOPHONE

1 credit hours. 0.5 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2137 - Private Instruction BRASS TRUMPET

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2138 - Private Instruction BRASS TRUMPET

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2141 - Private Instruction FRENCH HORN

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2142 - Private Instruction FRENCH HORN

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with

the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2145 - Private Instruction TROMBONE

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2146 - Private Instruction TROMBONE

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2149 - Private Instruction BARITONE/TUBA

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically,

non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2150 - Private Instruction BARITONE/TUBA

1 credit hours. 0.5 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2157 - Private Instruction PERCUSSION

1 credit hours. 0.5 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2158 - Private Instruction PERCUSSION

1 credit hours. 0.5 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2161 - Private Instruction GUITAR-CLASSICAL

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2162 - Private Instruction GUITAR-CLASSICAL

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, n

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2169 - Private Instruction PIANO

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2170 - Private Instruction PIANO

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first

week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2171 - Private Instruction JAZZ PIANO

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2172 - Private Instruction JAZZ PIANO

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2181 - Private Instruction VOICE - R

1 credit hours. 0.5 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically,

non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. To learn and demonstrate understanding of healthy vocal technique through the use of standard vocal repertoire.
2. To develop knowledge of standard vocal repertoire in the various languages used by composers.
3. To learn proper responsibility for practicing and preparation of repertoire.

MUAP 2182 - Private Instruction VOICE - R

1 credit hours. 0.5 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. To learn and demonstrate understanding of healthy vocal technique through the use of standard vocal repertoire.
2. To develop knowledge of standard vocal repertoire in the various languages used by composers.
3. To learn proper responsibility for practicing and preparation of repertoire.

MUAP 2187 - Private Instruction GUITAR-ELECTRIC

1 credit hours. 0.5 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2188 - Private Instruction GUITAR-ELECTRIC

1 credit hours. 0.5 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2201 - Private Instruction STRINGS VIOLIN

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2202 - Private Instruction STRINGS VIOLIN

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2205 - Private Instruction VIOLA

2 credit hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2206 - Private Instruction VIOLA

2 credit hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with

the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2209 - Private Instruction CELLO

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2210 - Private Instruction CELLO

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2211 - Private Instruction HARP

2 credit hours. 1 lecture hours.

Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the

applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2212 - Private Instruction HARP

2 credit hours. 1 lecture hours.

Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2213 - Private Instruction BASS

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2214 - Private Instruction BASS

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically,

non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2215 - Private Instruction BASS-ELECTRIC

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2216 - Private Instruction BASS-ELECTRIC

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2217 - Private Instruction WOODWINDS FLUTE

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2218 - Private Instruction WOODWINDS FLUTE

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2221 - Private Instruction OBOE

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2222 - Private Instruction OBOE

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2225 - Private Instruction BASSOON

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with

the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2226 - Private Instruction BASSOON

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2229 - Private Instruction CLARINET

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2230 - Private Instruction CLARINET

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA (“to be arranged”), meaning that the day and time for lesson(s) each week is “to be arranged” with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically,

non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2233 - Private Instruction SAXOPHONE

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2234 - Private Instruction SAXOPHONE

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2237 - Private Instruction BRASS TRUMPET

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2238 - Private Instruction BRASS TRUMPET

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2241 - Private Instruction FRENCH HORN

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2242 - Private Instruction FRENCH HORN

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2245 - Private Instruction TROMBONE

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private

instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2246 - Private Instruction TROMBONE

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2249 - Private Instruction BARITONE/TUBA

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2250 - Private Instruction BARITONE/TUBA

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically,

non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2257 - Private Instruction PERCUSSION

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2258 - Private Instruction PERCUSSION

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2261 - Private Instruction GUITAR-CLASSICAL

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2262 - Private Instruction GUITAR-CLASSICAL

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2269 - Private Instruction PIANO

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2270 - Private Instruction PIANO

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2271 - Private Instruction JAZZ PIANO

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with

the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2272 - Private Instruction JAZZ PIANO

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2281 - Private Instruction VOICE - R

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.

Measurable Learning Outcomes:

1. To learn and demonstrate understanding of healthy vocal technique through the use of standard vocal repertoire.
2. To develop knowledge of standard vocal repertoire in the various languages used by composers.
3. To learn proper responsibility for practicing and preparation of repertoire.

MUAP 2282 - Private Instruction VOICE - R

2 credit hours. 1 lecture hours. 0 lab hours.

Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically,

non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. To learn and demonstrate understanding of healthy vocal technique through the use of standard vocal repertoire.
2. To develop knowledge of standard vocal repertoire in the various languages used by composers.
3. To learn proper responsibility for practicing and preparation of repertoire.

MUAP 2287 - Private Instruction GUITAR-ELECTRIC

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUAP 2288 - Private Instruction GUITAR-ELECTRIC

2 credit hours. 1 lecture hours. 0 lab hours.
Applied Music Class or private study is available to all students of the College on both beginning and advanced levels of instruction. Lessons are offered in brass, guitar, organ, percussion, piano, strings, voice, and woodwinds. Detailed requirements in the technique and repertoire for each of the course numbers may be obtained from the Fine Arts Division Office or the applied instructors. Students who register for private instruction in voice, piano, or instruments must understand that all private instruction is scheduled TBA ("to be arranged"), meaning that the day and time for lesson(s) each week is "to be arranged" with the teacher of that applied area. Consequently, the student must contact the teacher to arrange their lesson time(s) during the first week of the semester. Class instruction is scheduled in regular class periods. All music majors are required to take a two-hour credit in their principal instrument. Music minors are required to a take one-hour credit in their principal instrument. No student is allowed to take more than four hours of applied music in any one semester. The organizational structure of the applied music division allows the student to receive instruction and progress on a level that is consistent with their musical goals. Specifically, non-music majors will be allowed to progress under less rigid standards than music majors.
Measurable Learning Outcomes:
1. Proficiency through technique and pedagogy.
2. Knowledge of appropriate standard literature.
3. Knowledge of preparation and performance of appropriate standard repertoire.

MUSC 1327 - Audio Engineering I

3 credit hours. 2 lecture hours. 2 lab hours.
Overview of the recording studio. Topics include basic studio electronics and acoustic principles, wave form analysis, microphone concepts and techniques, studio set up and signal flow, recording console theory, signal processing concepts, tape machine principles and operation, and an overview of mixing and editing. Open to all students.
Additional Fees: $15
Measurable Learning Outcomes:
1. Basic studio electronics and acoustic principles and wave form analysis.
2. Microphone concepts and techniques, studio set up and signal flow and recording console theory.
3. Signal processing concepts, tape machine principles and operation, and an overview of mixing and editing.

Notes:
$15.00 fee will cover replacement/repair of worn-out equipment such as microphone cables, headphones, minor repair on musical instruments/equipment, and other small supplies.

MUSI 1116 - Elementary Sight Singing and Ear Training I

1 credit hours. 1 lecture hours. 2 lab hours.
Aural training in the recognition of scales, intervals, triads, harmonic cadences, rhythmic patterns, and meters. Singing of

intervals and simple melodies.
Measurable Learning Outcomes:
1. Aurally recognize and sing any interval within the octave distinguish aurally between different forms of scales.
2. Sing scale degrees using solfege syllables in any order in any major or minor key.
3. Take melodic dictation of diatonic melodies up to 4 mm. in length.
4. Take rhythmic dictation in simple and compound meters.
5. Read rhythms and sing melodies at sight.

MUSI 1117 - Elementary Sight Singing and Ear Training II

1 credit hours. 1 lecture hours. 2 lab hours.
Prerequisites: MUSI 1116 or permission of the instructor.
A continuation of MUSI 1116 with advanced exercises in the hearing and singing of music.
Measurable Learning Outcomes:
1. Distinguish aurally between triad types and inversions
2. Recognize tonic, dominant and subdominant functions from aural examples
3. Take harmonic dictation (bass, melody and chords) of progressions including all diatonic triads
4. Take contrapuntal dictation of two-voice examples
5. Take rhythmic, melodic and harmonic dictation from non-chorale excerpts from the literature

MUSI 1171 - Student Recital

1 credit hours. 0 lecture hours. 3 lab hours.
Recital attendance credit for music majors and minors. Required of all music majors and minors. This course may be repeated for credit. Maximum of 4 credits.
Measurable Learning Outcomes:
1. Student will be able to demonstrate good concert attendance etiquette.
2. Student will be able to demonstrate good concert performance etiquette.
3. Student will be able to successfully fill out music program information for their solo performances.
4. Student will be able to successfully execute a solo performance.

MUSI 1263 - Improvisation I

2 credit hours. 2 lecture hours. 1 lab hours.
Materials and practices for improvisation or extemporaneous playing and /or singing.
Measurable Learning Outcomes:
1. Learn basic jazz theory and scale/chord applications.
2. Transcribe 2 jazz solos.
3. Demonstrate proficiency in performance of scales and chord applications.

MUSI 1264 - Improvisation II

2 credit hours. 2 lecture hours. 1 lab hours.
Prerequisites: MUSI 1263
Materials and practices for improvisation or extemporaneous playing and/or singing.
Measurable Learning Outcomes:
1. Learn more advanced jazz theory and scale/chord applications.
2. Transcribe 2 jazz solos.
3. Demonstrate proficiency in performance of scales and chord applications.

MUSI 1301 - Fundamentals of Music I

3 credit hours. 3 lecture hours. 0 lab hours.
A basic introduction to the elements of music. Study includes the staff, clefs, rhythms, key signatures, scales, and chords. Introduction to sight singing, ear training, and keyboard skills. The course is for non-music majors and music majors or minors with little or no background in music.
Measurable Learning Outcomes:
1. Learn the basics of music notation, chord structure, interval differences, and terminology.
2. Recognize visually and aurally, major and minor scales, chords, and intervals.
3. Prepare the student for Freshman theory.

MUSI 1306 - Music Appreciation

3 credit hours. 3 lecture hours. 0 lab hours.
A non-technical approach to the enjoyment of music with emphasis on intelligent listening processes of classical, pop, and rock music. Introduction to the cultural periods, major composers, and elements of music. For non-music majors or minors.
Measurable Learning Outcomes:

1. Fundamental knowledge of musical elements.
2. General knowledge of western musical styles.
3. Appreciation of music through live performances.

MUSI 1308 - Music Literature I

3 credit hours. 3 lecture hours. 2 lab hours.

R W

For music majors, music minors, and honors students. A survey of musical forms and cultural periods as illustrated in the literature of major composers.

Measurable Learning Outcomes:

1. Learn the following musical elements: form and texture.
2. Learn about major composers of initial musical historical periods (Medieval, Renaissance, Baroque, and Classical periods).
3. Learn and recognize important and significant compositions of studied composers.

MUSI 1309 - Music Literature II

3 credit hours. 3 lecture hours. 2 lab hours.

R W

A continuation of MUSI 1308. For music majors, music minors, and honors students.

Measurable Learning Outcomes:

1. Learn about their particular instrument through research and writing a report.
2. Learn important and significant musical forms and recognize them through music listening.
3. Learn about major composers of the Romantic and 20th Century, and their specific compositions.

MUSI 1310 - American Music

3 credit hours. 3 lecture hours. 0 lab hours.

Provides students an in-depth view of different musical styles evident in America. Styles such as rock, pop, soul, jazz, musical theater, blues, gospel, and country music are possible topics. Extensive listening in and outside of class provides further exposure and understanding of popular music and its relationship with the music industry. Open to any student.

Measurable Learning Outcomes:

1. Identify standard musical repertoire from stylistic periods.
2. Fundamental knowledge of rock and gospel musical elements.
3. Identify historical context of different stylistic periods.

MUSI 1311 - Music Theory I

3 credit hours. 2 lecture hours. 2 lab hours.

Prerequisites: MUSI 1301 or permission of the instructor.

A course in the elements of music for music majors and minors. Review of the fundamentals of rhythm, melody, and harmony including study of the staff, clefs, key signatures, scales, time signatures, and notation. Part writing of figured bass exercises and melody harmonization requiring the principal triads.

Measurable Learning Outcomes:

1. Fundamentals of rhythm, melody, and harmony.
2. Meter, scales, and triads.
3. Part writing of figured bass exercises and melody harmonization using triads.

MUSI 1312 - Music Theory II

3 credit hours. 2 lecture hours. 2 lab hours.

Prerequisites: MUSI 1311

Continuation of MUSI 1311. Part writing of figured bass exercises and melody harmonization requiring all diatonic triads, the dominant seventh and supertonic seventh chords, and non-harmonic tones.

Measurable Learning Outcomes:

1. Part writing of figured bass exercises.
2. Melody harmonization with triads and their inversions.
3. Seventh chords with their inversions, and non-chord tones.

MUSI 1390 - Electronic Music I

2 credit hours. 2 lecture hours. 1 lab hours.

Prerequisites: Prerequisite should be the completion of either of the following courses;

MUSI 1301 Music Fundamentals

MUSI 1311 Music theory

MUSI 1114 or 1181 Class Piano
MAUP 1169/1170/2169/2170/1269/1270/2269/2270 Private Instruction – Piano
Introduction to the use of synthesizers, computers, sequencing and music printing software, multi-track recorders and other MIDI (Music Instrument Digital Interface) devices in the notation, arrangement, composition and performance of music. Prerequisite should be the completion of either a Music Fundamentals, Music Theory, Private Piano, or Class Piano Course.
Measurable Learning Outcomes:
1. Students will achieve fundamental MIDI skills.
2. Develop some musical composition skills.
3. Develop basic skills in processing devices, synthesizers, sequencing, graphic software, mixers, and digital recording.

MUSI 2116 - Advanced Sight Singing and Ear Training I
1 credit hours. 1 lecture hours. 2 lab hours.
Prerequisites: MUSI 1117.
Singing modulations to closely related keys: modal melodies. Aural study of compound intervals, melodic and harmonic modulation, and all diatonic seventh chords.
Measurable Learning Outcomes:
1. Advanced skills in melodic, harmonic, and rhythmic dictation.
2. Sight-singing melodies and intervals.
3. Aural recognition of intervals within the octave, scales and modes, triads, cadences, rhythmic patterns and meters, and melodies up to eight bars in length.

MUSI 2117 - Advanced Sight Singing and Ear Training II
1 credit hours. 1 lecture hours. 2 lab hours.
Prerequisites: MUSI 2116
Singing remote modulations and more difficult melodies. Aural study of unusual and mixed meters, remote modulation, altered chords, 9th, 11th, and 13th chords.
Measurable Learning Outcomes:
1. Advanced skills in aural recognition of scales, intervals, triads, cadences, rhythmic patterns, and meters.
2. Sight-singing melodies and intervals, including 7th chords and chromaticism.
3. Piano skills concerning the concurrent harmony & part writing topics.

MUSI 2311 - Music Theory III
3 credit hours. 2 lecture hours. 2 lab hours.
Prerequisites: MUSI 1312
Analysis and part writing of materials involving altered chords, sevenths, and modulations.
Measurable Learning Outcomes:
1. Analysis and part writing of materials involving altered chords, sevenths, and modulations.
2. Figured bass part writing, V7 chords, and non-harmonic tones.
3. Develop skills in voice leading, particularly in four-voice, chorale-style.
4. Advanced skills in 7th chords, chromaticism, altered chords, modulation, and form.

MUSI 2312 - Music Theory IV
3 credit hours. 2 lecture hours. 2 lab hours.
Prerequisites: MUSI 2311
Continuation of MUSI 2311. Completion of the study of music elements from the standard practice period. Survey of 20th Century techniques.
Measurable Learning Outcomes:
1. Learn advanced chromaticism.
2. Recognition of 20th Century musical elements.
3. Part writing of figured bass exercises and melody harmonization with triads and their inversions, seventh chords with their inversions, and non-chord tones.

Musical Theatre /Opera MUSI

MUSI 1159 - Musical Theatre I
1 credit hours. 0 lecture hours. 5 lab hours.
Open by audition to all students. Considers stage movement, use of voice in musical theatre, spoken dialogue, and musical theatre acting. Culminates in public performance of a complete musical. This course may be repeated for credit. Maximum of 2

credits.
Measurable Learning Outcomes:
1. Learn stage movement, use of voice in musical theatre, spoken dialogue, and musical theatre acting.
2. A basic knowledge of set design and construction, lights, sound, makeup, and costumes.
3. The ability to perform individually or with an ensemble.

MUSI 1258 - Opera Workshop
2 credit hours. 0 lecture hours. 3 lab hours.
Required of all voice concentrates and open by permission to all other students by audition; will consider the development and use of the voice in theatre; culminates in some variety of opera scenes or short opera for public performance. This course may be repeated for credit. Maximum of 4 credits.
Measurable Learning Outcomes:
1. Develop skills in rehearsal procedures.
2. A command of his/her singing and/or acting role.
3. An awareness of proper stage technique and presentation; some knowledge of set construction and design.

Music Piano Class

MUSI 1114 - Piano Class I for Music Majors
1 credit hours. 0 lecture hours. 2 lab hours.
Prerequisites: Successful completion of MUSI 1301 or consent of Instructor.
Beginning instruction in keyboard for the music major/minor whose principal instrument is other than keyboard.
Measurable Learning Outcomes:
1. Beginning piano through the study of major scales and arpeggios in all 12 keys (two octaves, hands alone).
2. Reading and developing repertoire using a five-finger pattern.
3. Learning simple transpositions.
4. Harmonizing melodies using tonic and dominant seventh chords.

MUSI 1115 - Piano Class II for Music Majors
1 credit hours. 0 lecture hours. 2 lab hours.
Prerequisites: Successful completion of MUSI 1114 or consent of Instructor.
A continuation of MUSI 1114.
Measurable Learning Outcomes:
1. Technical study of the 12 harmonic minor scales and corresponding arpeggios.
2. Extended finger technique beyond the five-finger pattern.
3. Subdominant chord added to cadences and harmonizations.

MUSI 1181 - Class Piano 1 (for Non-Majors)
1 credit hours. 0 lecture hours. 2 lab hours.
Class instruction in the fundamentals of keyboard technique for beginning piano students.
Measurable Learning Outcomes:
1. Fundamentals of keyboard technique.
2. Learning basic music reading.
3. Learn 5-finger patterns.

MUSI 2114 - Piano Class III for Music Majors
1 credit hours. 0 lecture hours. 2 lab hours.
Prerequisites: Successful completion of MUSI 1115 or consent of instructor.
Continuation of Class Piano II, with emphasis on scales and arpeggios (hands together), harmonization, sight reading, score reading, ensemble, and simple accompanying.
Measurable Learning Outcomes:
1. Technical study of the 12 melodic minor scales and their arpeggios.
2. Demonstrate proficiency in harmonization and transposition.
3. Perfecting major and harmonic minor scales and arpeggios.

MUSI 2115 - Piano Class IV for Music Majors

1 credit hours. 0 lecture hours. 2 lab hours.
Prerequisites: Successful completion of MUSI 2114 or consent of instructor.
Continuation of Piano Class III with further study given to scales (including chromatic scale), arpeggios, broken chords, score reading, solo and ensemble performance, and accompanying.
Measurable Learning Outcomes:

1. Score reading with varying part numbers and chorales.
2. Transposition of melodies in major and minor keys at sight with chordal accompaniment.
3. Harmonization of melodies in major and minor keys using I/IV/V7 at sight, and primary chords in lead sheet notation.

Nursing

RNSG 1146 - Legal and Ethical Issues for Nurses

1 credit hours. 1 lecture hours. 0 lab hours.
Prerequisites: A grade of "C" or higher in each of the following courses: BIOL 2401 , PSYC 2301 , ENGL 1301 .
Corequisites: RNSG 1517
R W M
Study of the laws and regulations related to the provision of safe and effective professional nursing care; attention given to the development of a framework for addressing ethical issues; and topics to include confidentiality, The Nursing Practice Act, professional boundaries, ethics, and health care legislation.
Measurable Learning Outcomes:
Compare and contrast the structures, reproduction, and characteristics of plants, algae, and fungi. Describe the characteristics of life and the basic properties of substances needed for life. Identify the principles of inheritance and solve classical genetics problems. Describe phylogenetic relationships and classification schemes. Identify the major phyla of life with an emphasis on plants, including the basis for classification, structural and physiological adaptation, evolutionary history, and ecological significance. Identify the substances, products, and important chemical pathways in photosynthesis and respiration. Describe the unity and diversity of plants and the evidence for evolution through natural selection. Compare different sexual and asexual life cycles noting their adaptive advantages. Describe the reasoning processes applied to scientific investigations and thinking. Apply scientific reasoning to investigate questions and utilize scientific tools such as microscopes and laboratory equipment to collect and analyze data. Use critical thinking and scientific problem-solving to make informed decisions in the laboratory. Communicate effectively the results of scientific investigations.

RNSG 1163 - Clinical-Nursing III-Registered Nurse Training

1 credit hours. 0 lecture hours. 3 Clinical hours.: 0 lab hours.
Prerequisites: A grade of "C" or higher in each of the following courses: RNSG 1146, RNSG 1517
Corequisites: RNSG 2213
R W M
This 3 hour per week course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professionals.
Measurable Learning Outcomes:
Compare and contrast the structures, reproduction, and characteristics of plants, algae, and fungi. Describe the characteristics of life and the basic properties of substances needed for life. Identify the principles of inheritance and solve classical genetics problems. Describe phylogenetic relationships and classification schemes. Identify the major phyla of life with an emphasis on plants, including the basis for classification, structural and physiological adaptation, evolutionary history, and ecological significance. Identify the substances, products, and important chemical pathways in photosynthesis and respiration. Describe the unity and diversity of plants and the evidence for evolution through natural selection. Compare different sexual and asexual life cycles noting their adaptive advantages. Describe the reasoning processes applied to scientific investigations and thinking. Apply scientific reasoning to investigate questions and utilize scientific tools such as microscopes and laboratory equipment to collect and analyze data. Use critical thinking and scientific problem-solving to make informed decisions in the laboratory. Communicate effectively the results of scientific investigations.

RNSG 1201 - Pharmacology

2 credit hours. 2 lecture hours. 0 lab hours.
Prerequisites: A grade of "C" or higher in each of the following courses: BIOL 2401, ENGL 1301, PSYC 2301.
Corequisites: BIOL 2402, RNSG 1360.
R W M
Introduction to the science of pharmacology with emphasis on the actions, interactions, adverse effects, and nursing implications of each drug classification. Topics include the roles and responsibilities of the nurse in safe administration of medications within a legal/ethical framework.

Measurable Learning Outcomes:
Identify the roles and responsibilities of the professional nurse in administering pharmacological agents, and explain the safe utilization of medications.

RNSG 1205 - Nursing Skills I

2 credit hours. 1 lecture hours. 3 lab hours.
Prerequisites: A grade of "C" or higher in each of the following courses: BIOL 2401, ENGL 1301, PSYC 2301.
Corequisites: BIOL 2402, RNSG 1360.
R W M
Study of the concepts and principles essential for demonstrating competence in the performance of nursing procedures based on the nursing process. Topics include knowledge, judgment, skills, and professional values within a legal/ethical framework.
Additional Fees: Simulation Fee $64.
Measurable Learning Outcomes:
Apply concepts and principles necessary for the performance of basic nursing skills for the adult patient and demonstrate competence/clinical reasoning in the performance of basic nursing procedures and practices.

RNSG 1251 - Care of the Childbearing Family

2 credit hours. 2 lecture hours. 0 lab hours.
Prerequisites: A grade of "C" or higher in each of the following courses: RNSG 2201, RNSG 2460 .
Corequisites: RNSG 2461 .
R W M
Study of concepts related to the provision of nursing care for childbearing families. Topics may include selected complications. Topics include knowledge, judgment, skills, and professional values within a legal/ethical framework.
Measurable Learning Outcomes:
Explain the roles of the professional nurse in caring for the childbearing family; utilize critical thinking skills and a systematic problem-solving process for providing care for the family during the perinatal periods.

RNSG 1309 - Introduction to Nursing

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: A grade of "C" or higher in each of the following courses: BIOL 2401, ENGL 1301, PSYC 2301.
Corequisites: BIOL 2402, RNSG 1360.
R W M
Overview of nursing, nursing process, and the role of the associate degree nurse as a provider of holistic care, patient safety advocate, member of the healthcare team, and member of a profession. Topics include knowledge, judgment, skills, and professional values within a legal/ethical framework.
Measurable Learning Outcomes:
Identify concepts for the provision of nursing care; describe the roles of the professional nurse in the delivery of comprehensive care; describe the use of a systematic problem-solving process; and utilize critical thinking skills.

RNSG 1331 - Principles of Clinical Decision-Making

3 credit hours. 2 lecture hours. 3 lab hours.
Prerequisites: BIOL 2402 , RNSG 1201 , RNSG 1360
Corequisites: BIOL 2420 , RNSG 1461
R W M

Examination of selected principles related to the continued development of the professional nurse as a provider of holistic care, patient safety advocate, member of a healthcare team, and member of a profession. Emphasis on clinical decision making for patients in medical surgical settings experiencing health problems involving fluid and electrolytes, perioperative care, pain, respiratory disorders, peripheral vascular disorders, immunologic disorders, and infectious disorders. Discussion of knowledge, judgment, skills, and professional values within a legal/ethical framework.
Additional Fees: $64 Simulation Fee
Measurable Learning Outcomes:
Utilize critical thinking and a systematic problem-solving process as a framework for providing nursing care for patients and families in structured health care settings experiencing health problems involving fluid and electrolytes, perioperative care, pain, respiratory disorders, peripheral vascular disorders, immunologic disorders, and infectious disorders, and explain the roles of the professional nurse in the provision of patient-focused care.

RNSG 1347 - Concepts of Clinical Decision-Making

3 credit hours. 2 lecture hours. 3 lab hours.
Prerequisites: A grade of "C" or higher in each of the following courses: RNSG 1331 & RNSG 1461 or RNSG 1517 & RNSG 1163

Corequisites: RNSG 2460
R W M
Integration of previous knowledge and skills into the continued development of the professional nurse as a provider of holistic care, patient safety advocate, member of the healthcare team, and member of a profession. Emphasis on clinical decision-making, for clients in medical-surgical settings experiencing health problems involving gastrointestinal disorders, endocrine and metabolic disorders, reproductive and sexual disorders, musculoskeletal disorders, eye-ear-nose-throat disorders and integumentary disorders. Discussion of knowledge, judgment, skills, and professional values within a legal ethical framework.
Additional Fees: $64 Simulation Fee; $50 Assessment Exam
Measurable Learning Outcomes:
Utilize critical thinking and a systematic problem-solving process as a framework for providing care for clients in structured health care settings experiencing health problems involving gastrointestinal disorders, endocrine and metabolic disorders, reproductive and sexual disorders, musculosketetal disorders, eye-ear-nose-throat disorders and integumentary disorders; and integrate the roles of the professional nurse in the provision of care for clients and families.

RNSG 1360 - Clinical-Nursing I-Registered Nurse Training

3 credit hours. 0 lecture hours. 9 Clinical hours.; 0 lab hours.
Prerequisites: A grade of "C" or higher in each of the following courses: BIOL 2401, ENGL 1301, PSYC 2301.
Corequisites: BIOL 2402, RNSG 1309, RNSG 1201 , RNSG 1205 , RNSG 1146
R W M
This 9 hour per week course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professionals.
Additional Fees: Approximately $25 liability insurance fee.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

RNSG 1461 - Clinical-Nursing II-Registered Nursing Training

4 credit hours. 0 lecture hours. 12 Clinical hours. 0 lab hours.
Prerequisites: A grade of "C" or higher in each of the following courses: BIOL 2402 , RNSG 1360 .
Corequisites: BIOL 2420 , RNSG 1331 , RNSG 2213 .
R W M
This 12 hour per week course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professionals.
Additional Fees: $25 Liability Insurance
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

RNSG 1517 - Concepts of Professional Nursing Practice I for Articulating Students

5 credit hours. 4 lecture hours. 3 lab hours.
Prerequisites: A grade "C" or higher in each of the following courses: BIOL 2401 , BIOL 2402 , BIOL 2420 , ENGL 1301 , PSYC 2301 , VNSG 1423 , VNSG 1160 .
Corequisites: RNSG 1146 .
R W M
Provides the articulating student the opportunity to examine the role of the professional nurse; application of a systematic problem solving process and critical thinking skills which includes a focus on the adult population; and competency in knowledge, judgment, skill, and professional values within a lega/ethical framework. This course lends itself to either a blocked or integrated approach.
Additional Fees: $16 Lab Fee
Measurable Learning Outcomes:
Describe the roles of the professional nurse as provider of patient-centered care, patient safety advocate, member of health care team, and member of profession; describe critical thinking in a systematic problem solving process in the application of knowledge to the adult patient; and identify ethical and legal principles in professional nursing practice.

RNSG 2201 - Care of Children and Families

2 credit hours. 2 lecture hours. 0 lab hours.
Prerequisites: A grade of "C" or higher in each of the following courses: RNSG 1331 & RNSG 1461 or RNSG 1517 & RNSG 1163.
Corequisites: PSYC 2314 , RNSG 1347 , RNSG 2460 .
R W M
Study of concepts related to the provision of holistic nursing care for children and their families, emphasizing clinical decision making, knowledge, judgment, communication, skills, and professional values within a legal ethical framework.
Measurable Learning Outcomes:
Explain the roles of the professional nurse in caring for children and families; utilize critical thinking skills and a systematic problem-solving process for providing care for the child and the family.

RNSG 2213 - Mental Health Nursing

2 credit hours. 2 lecture hours. 0 lab hours.
Prerequisites: A grade "C" or higher in each of the following courses: BIOL 2402 , PSYC 2301 , RNSG 1360 or RNSG 1517 .
Corequisites: RNSG 1461 , or RNSG 1163 .
R W M
Principles and concepts of mental health, psychopathology, and treatment modalities related to the holistic nursing care of clients and their families utilizing the nursing process.
Measurable Learning Outcomes:
Explain the roles of the professional nurse in caring for patients and families experiencing mental health problems; use therapeutic communication; utilize critical thinking skills and a systematic problem-solving process for providing care to patients and families experiencing mental health problems.

RNSG 2221 - Professional Nursing: Leadership and Management

2 credit hours. 2 lecture hours. 0 lab hours.
Prerequisites: A grade of "C" or higher in each of the following courses: RNSG 1331 & RNSG 1461 or RNSG 1517 & RNSG 1163.
Corequisites: RNSG 2460
R W M
Exploration of leadership and management principles applicable to the role of the nurse as a provider of holistic care, patient safety advocate,member of the healthcare team, and member of a profession. Includes application of clinical decision-making, knowledge, judgment, communication, skills, and professional values within a legal/ethical framework.
Measurable Learning Outcomes:
Analyze the roles of the professional nurse within a health care delivery system; apply principles of leadership and management utilizing a systematic problem-solving process and critical thinking skills to plan care for patients and their families; examine the factors impacting nursing and healthcare.

RNSG 2230 - Professional Nursing Review and Licensure Preparation

2 credit hours. 2 lecture hours. 0 lab hours.
Prerequisites: A grade of "C" or higher in each of the following courses: RNSG 1347 , RNSG 2460
Corequisites: RNSG 2331, RNSG 2461
R W M
Review of concepts required for licensure examination and entry into the practice of professional nursing. Includes application of National Council Licensure Examination for Registered Nurses (NCLEX-RN) test plan, assessment of knowledge deficits, and remediation.
Measurable Learning Outcomes:
Apply knowledge, skills, and understanding of critical concepts required for entry into professional nursing; demonstrate individual competency level applicable to nursing content areas; and exhibit readiness for licensure examination.

RNSG 2331 - Advanced Concepts of Adult Health

3 credit hours. 2 lecture hours. 3 lab hours.
Prerequisites: A grade of "C" or higher in each of the following courses: RNSG 1347, RNSG 2460
Corequisites: RNSG 2461
R W M
Application of advanced concepts and skills for the development of the professional nurse's roles with adult patients and families involving multiple body systems. Emphasis on advanced knowledge, judgment, skills, and professional values within a legal ethical framework.
Additional Fees: $48 Lab Fee $47 comprehensive exam fee.
Measurable Learning Outcomes:
Prioritize the roles of the professional nurse in the provision of care for adult patients and families. Design and evaluate care for adult patients and families with advanced health care needs.

RNSG 2460 - Clinical-Nursing IV-Registered Nurse Training

4 credit hours. 0 lecture hours. 12 Clinical hours. 0 lab hours.
Prerequisites: A grade "C" or higher in each of the following courses: RNSG 1461 , or RNSG 1163 .
Corequisites: PSYC 2314 , RNSG 1347 RNSG 2201 RNSG 2221 .
R W M
This 12 hour per week course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professionals.
Additional Fees: $25 Liability Insurance
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

RNSG 2461 - Clinical-Nursing V-Registered Nurse Training

4 credit hours. 0 lecture hours. 12 Clinical hours. 0 lab hours.
Prerequisites: A grade "C" or higher in each of the following courses: RNSG 2460 .
Corequisites: 3 SCH Philosophy/Language/Culture or Creative Arts from TC Core Curriculum, RNSG 1251 , RNSG 2230 , RNSG 2331 .
R W M
This 12 hour per week course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professionals.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

Philosophy

PHIL 1301 - Introduction to Philosophy

3 credit hours. 3 lecture hours. 0 lab hours.
R W
Study of individual behavior within the social environment. May include topics such as the socio-psychological process, attitude formation and change, interpersonal relations, and group processes. (Cross-listed as SOCI 2326)
Measurable Learning Outcomes:
Read, analyze, and critique philosophical texts. Demonstrate knowledge of key concepts, major arguments, problems, and terminology in philosophy. Present logically persuasive arguments both orally and in writing. Demonstrate critical thinking skills in evaluation and application of philosophical concepts to various aspects of life. Evaluate the personal and social responsibilities of living in a diverse world.

PHIL 1304 - Introduction to World Religions

3 credit hours. 3 lecture hours. 0 lab hours.
R W
A comparative study of world religions, including but not limited to Hinduism, Buddhism, Judaism, Christianity, and Islam.
Measurable Learning Outcomes:
Read, analyze, and critique religious texts. Demonstrate knowledge of beliefs, practices, values, and terminology of major world religions. Trace the historical developments and cultural expressions of world religions. Articulate key conceptual distinctions in world religions. Communicate understanding of world religions, orally or in writing. Communicate ways of living responsibly in a world where people have diverse religious beliefs.

PHIL 1316 - History of Religions I

3 credit hours. 3 lecture hours. 0 lab hours.
R W
A comparative study of world religions, including but not limited to Hinduism, Buddhism, Judaism, Christianity, and Islam.
Measurable Learning Outcomes:
Read, analyze, and critique religious texts. Demonstrate knowledge of diverse beliefs, practices, and values of selected religious traditions. Trace and present orally or in writing the origin and historical developments of selected religious traditions. Communicate understanding of selected religious traditions, orally or in writing. Discuss ways of living responsibly in a world where people have diverse religious beliefs.

PHIL 1317 - History of Religions II

3 credit hours. 3 lecture hours. 0 lab hours.
R W
A comparative study of world religions, including but not limited to Hinduism, Buddhism, Judaism, Christianity, and Islam.
Measurable Learning Outcomes:
Read, analyze, and critique religious texts. Demonstrate knowledge of diverse beliefs, practices, and values of selected religious traditions. Trace and present orally or in writing the origin and historical developments of selected religious traditions. Communicate understanding of selected religious traditions, orally or in writing. Discuss ways of living responsibly in a world where people have diverse religious beliefs.

PHIL 2303 - Introduction to Logic

3 credit hours. 3 lecture hours. 0 lab hours.
R W
The purpose of the course is to introduce the student to symbolic logic, including syllogisms, propositional and predicate logic, and logical proofs in a system of rules.
Measurable Learning Outcomes:
Determine the logical structure of English arguments by identifying premises and conclusions. Understand basic concepts in logic, such as truth functionality, validity, soundness, counter-examples, tautology, self-contradiction, logical equivalence, logical contradictoriness, and logical consistence. Translate English statements into propositional and/or predicate notation. Determine the validity of symbolic propositional or predicate arguments using such methods as direct/indirect truth tables, natural deduction, and/or the finite universe method.

PHIL 2306 - Introduction to Ethics

3 credit hours. 3 lecture hours. 0 lab hours.
R W
The systematic evaluation of classical and/or contemporary ethical theories concerning the good life, human conduct in society, morals, and standards of value.
Measurable Learning Outcomes:
Read, analyze, and critique philosophical texts. Define and appropriately use important terms such as relativism, virtue, duty, rights, utilitarianism, natural law, egoism, altruism, autonomy, and care ethics. Demonstrate knowledge of major arguments and problems in ethics. Present and discuss well-reasoned ethical positions in writing. Apply ethical concepts and principles to address moral concerns. Apply course material to various aspects of life. Discuss ways of living responsibly in a world where people have diverse ethical beliefs.

PHIL 2307 - Introduction to Social and Political Philosophy

3 credit hours. 3 lecture hours. 0 lab hours.
R W
A study of major issues in social and political theory and/or the work of major philosophical figures in this area.
Measurable Learning Outcomes:
Read, analyze, and critique texts in social and political philosophy. Define and appropriately use important terms common to social and political philosophy. Demonstrate knowledge of major forms of government and social systems. Assess and evaluate social and political theories orally and/or in writing. Apply course materials to social and political concerns including living responsibly in a world where people have diverse political priorities. Apply course material to various aspects of life. Discuss ways of living responsibly in a world where people have diverse political beliefs.

Physical Education

PHED 1101 - Intercollegiate Athletics I

1 credit hours. 0 lecture hours. 3 lab hours.

A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)

Notes:

All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.

Other courses are taught for students pursuing majors in related fields.

The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.

Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1102 - Intercollegiate Athletics II

1 credit hours. 0 lecture hours. 3 lab hours.

A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)

Notes:

All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.

Other courses are taught for students pursuing majors in related fields.

The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.

Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1103 - Intercollegiate Athletics III

1 credit hours. 0 lecture hours. 3 lab hours.

A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)

Notes:

All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.

Other courses are taught for students pursuing majors in related fields.

The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.

Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1104 - Intercollegiate Athletics IV

1 credit hours. 0 lecture hours. 3 lab hours.

A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each

activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1105 - Intercollegiate Athletics V

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1106 - Intercollegiate Athletics VI

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Additional Fees: $8
Measurable Learning Outcomes:
Upon successful completion of each of these courses, students will: Understand and demonstrate competitive team play. Demonstrate sport-related skills. Demonstrate positive teamwork and sportsmanship.
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1107 - Beginning Volleyball

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational

sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1108 - Intermediate Volleyball

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1111 - Softball I

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1112 - Jogging/Walking/Fitness

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.

The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1113 - Weight Training I

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1114 - Weight Training II

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1115 - Basketball I: (men)

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1116 - Basketball II: (men)

1 credit hours. 0 lecture hours. 3 lab hours.

A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)

Notes:

All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.

Other courses are taught for students pursuing majors in related fields.

The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.

Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1117 - Basketball I: (women)

1 credit hours. 0 lecture hours. 3 lab hours.

A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)

Notes:

All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.

Other courses are taught for students pursuing majors in related fields.

The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.

Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1118 - Baseball: (men)

1 credit hours. 0 lecture hours. 3 lab hours.

A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)

Additional Fees: $8

Measurable Learning Outcomes:

Upon successful completion of each of these courses, students will: Have knowledge and understanding of baseball rules. Demonstrate fundamental baseball skills. Have an understanding of offensive and defensive tactics. Develop teamwork with other participants.

Notes:

All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.

Other courses are taught for students pursuing majors in related fields.

The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.

Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1120 - Beginning Golf: (coed)

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1121 - Intermediate Golf: (coed)

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1122 - Softball II

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1123 - Beginning Tennis: (coed)

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of

recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1124 - Intermediate Tennis: (coed)

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1126 - Beginning Bowling: (coed)

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1127 - Intermediate Bowling: (coed)

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.

Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1134 - Beginning Yoga

1 credit hours. 0 lecture hours. 3 lab hours.

A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)

Notes:

All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.

Other courses are taught for students pursuing majors in related fields.

The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.

Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1135 - Intermediate Yoga

1 credit hours. 0 lecture hours. 3 lab hours.

A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)

Notes:

All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.

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The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.

Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1137 - Basketball II: (women)

1 credit hours. 0 lecture hours. 3 lab hours.

A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)

Notes:

All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.

Other courses are taught for students pursuing majors in related fields.

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Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1141 - Beginning Aerobics

1 credit hours. 0 lecture hours. 3 lab hours.

A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each

activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
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Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1142 - Intermediate Aerobics

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1143 - Physical Conditioning I

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
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The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1144 - Physical Conditioning II

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.

Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1147 - Ballet for Physical Education

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Additional Fees: $8
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Be able to demonstrate understanding and knowledge of the basics of Ballet technique and vocabulary. Develop proficiency in posture, balance, co-ordination, rhythm awareness and flow of physical energy through the art form. Be able to demonstrate understanding and knowledge of dance abilities by writing a critique of a dance performance, utilizing appropriate vocabulary and terms.
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1149 - Ballet Folklorico for Physical Education

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Additional Fees: $8
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Be able to demonstrate understanding and knowledge of the basics of Ballet Folklorico technique and vocabulary. Develop proficiency in posture, balance, co-ordination, rhythm awareness and flow of physical energy through the art form. To demonstrate understanding and knowledge of Folklorico dance abilities by writing a critique of a Folklorico dance performance, utilizing appropriate vocabulary and terms.
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1301 - Introduction to Physical Fitness and Sport

3 credit hours. 3 lecture hours. 0 lab hours.
This course is designed to provide a comprehensive, introductory course on the foundations of physical education and sport. It will acquaint students with the specialized areas of study, career opportunities and the latest thinking and research in the field. Emphasis is placed on the role of Physical Education and sport as a whole and the contribution it makes to society.

Measurable Learning Outcomes:
Upon successful completion of this course, students will: Discuss the nature of contemporary physical education, exercise science, and sport and show how it has evolved during the past five decades. Define the following specialized areas of study: sport philosophy, sport history, sport sociology, sport and exercise psychology, motor development, motor learning, biomechanics, exercise physiology, sport medicine, sport pedagogy, adapted physical activity, and sport management. Clarify the relationship between the discipline and the profession relative to the field of physical education, exercise science, and sport. Explain the relationship of physical education, exercise science, and sport to allied fields of study. Describe the different types of research reports and their application to physical education, exercise science, and sport. Identify social media resources that can inform the practice within the field of physical education, exercise science, and sport.
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
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Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 1304 - Personal/Community Health I

3 credit hours. 3 lecture hours. 0 lab hours.
This course is designed to help improve the health of the students as well as presenting techniques of improvement of total community health. It strives to bring about an inculcation of proper health skills and attitudes by presenting facts and fallacies about health and proper procedures in combatting health problems.
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Demonstrate an understanding of the role of the dimensions of health, psychological health and managing stress. Demonstrate understanding of movement, fitness and nutrition concepts, and principles. Examine the effects of substance abuse on health and performance. Demonstrate knowledge and understanding of cancer and other chronic diseases. Demonstrate knowledge of sexual attitudes and behaviors and recognition of healthy relationships. Demonstrate an understanding of the several methods used to manage fertility. Demonstrate an understanding of being an informed consumer, protecting one's safety and completing life's journey.
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
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PHED 1306 - First Aid

3 credit hours. 3 lecture hours. 0 lab hours.
This course is designed to familiarize the student with the methods, techniques and procedures necessary in caring for injuries. Students may receive certification in First Aid.
Additional Fees: $20
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Explain how the EMS system works. Develop the knowledge and skill necessary to meet the needs of most situations when emergency first-aid care is needed. Identify the signs and symptoms of breathing emergencies, including choking, and demonstrate how to provide rescue breathing and first aid for choking. Identify different body systems, and be confident in methods of assessment of injuries. Study various legal and ethical issues that the first responder might encounter.
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational

sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
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PHED 1308 - Sports Officiating I

3 credit hours. 3 lecture hours. 0 lab hours.
A course designed to study the rules, rule interpretations and mechanics of officiating, and to develop skills and knowledge required in the officiating of volleyball and basketball.
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Have a working knowledge of basic rules for volleyball and basketball. Have a competent set of mechanics used in volleyball and basketball officiating. Have a correct interpretation of volleyball and basketball rules for the benefit of players, coaches, and spectators. Have a competency in penalty and foul enforcements.
Notes:
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PHED 2107 - Advanced Volleyball I

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
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Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 2108 - Advanced Volleyball II

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Additional Fees: $8
Measurable Learning Outcomes:
Upon successful completion of each of these courses, students will: Demonstrate knowledge of formations and rotations. Have an understanding and ability to master specific volleyball related skills. Have an understanding of offensive and defensive tactics. Have knowledge and understanding of scoring systems, rules, rotations, and on-court communication.

Notes:
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Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 2111 - Softball III

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
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Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 2112 - Advanced Jogging/Walking/Fitness

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Additional Fees: $8
Measurable Learning Outcomes:
Upon successful completion of each of these courses, students will: Define aerobic and anaerobic exercise and recognize the difference. Identify the components of cardiovascular system, flexibility, muscular strength, muscular endurance and body composition. Identify the components of frequency, duration and intensity. Understand the role of proper nutrition and hydration in an individual exercise program. Develop a working knowledge of developing a physical fitness program.
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
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Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 2113 - Weight Training III

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:

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Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 2114 - Weight Training IV

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Additional Fees: $8
Measurable Learning Outcomes:
Upon successful completion of each of these courses, students will: Have knowledge of the human muscular system. Be aware of the benefits of weight training in a total fitness program. Have an understanding of the basic principles for building strength, speed, power, and endurance. Have an understanding of the various weight training programs. Should have knowledge of the popular exercises, what muscles each exercise works, and a correct technique for lifting and spotting. Have knowledge of nutrition and performance.
Notes:
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Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 2115 - Basketball III: (men)

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
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The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 2116 - Basketball IV: (men)

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:

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Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 2117 - Basketball III: (women)

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
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Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 2120 - Advanced Golf I: (coed)

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
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Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 2121 - Advanced Golf II: (coed)

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Additional Fees: $8
Measurable Learning Outcomes:
Upon successful completion of each of these courses, students will: Have knowledge and understanding of golf rules and etiquette. Demonstrate fundamental golf skills. Have an understanding of club selection for strategic shots. Have an understanding of tournament play.
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is

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PHED 2122 - Softball IV

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Additional Fees: $8
Measurable Learning Outcomes:
Upon successful completion of each of these courses, students will: Have knowledge and understanding of softball rules. Demonstrate fundamental softball skills. Have an understanding of offensive and defensive tactics. Develop teamwork with other participants.
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
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PHED 2123 - Advanced Tennis I: (coed)

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
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PHED 2124 - Advanced Tennis II: (coed)

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Additional Fees: $8
Measurable Learning Outcomes:
Upon successful completion of each of these courses, students will: Have knowledge of the rules of tennis for singles and doubles play. Demonstrate how to keep score. Have knowledge and practice tennis etiquette. Have knowledge and understanding of singles and doubles strategies and play. Demonstrate the fundamental strokes.

Notes:
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PHED 2126 - Advanced Bowling I: (coed)

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 2127 - Advanced Bowling II: (coed)

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Additional Fees: $60
Measurable Learning Outcomes:
Upon successful completion of each of these courses, students will: Have knowledge and understanding of bowling rules and etiquette. Demonstrate fundamental bowling skills. Demonstrate how to keep score. Have an understanding of league bowling.
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
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Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 2134 - Advanced Yoga

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Additional Fees: $8
Measurable Learning Outcomes:
Upon completion of each of these courses, students will: Be able to distinguish between the various schools of yoga and have a

basic concept of which style of practice suits his or her lifestyle. Perform a variety of basic postures utilizing the correct alignment and proper breathing techniques. Offer modifications for practitioners with physical limitations. Understand the use of yoga poses for common and chronic ailments and problems (i.e. high blood pressure, depression, or indigestion), as well as the prominent contraindications for various poses. Have knowledge and understanding of the Chakra system and the use of postures to balance and open the Chakras. Have an increased awareness of the breath and breathing techniques to manage and reduce stress, anger, etc.

Notes:

All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.

Other courses are taught for students pursuing majors in related fields.

The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.

Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 2137 - Basketball IV: (women)

1 credit hours. 0 lecture hours. 3 lab hours.

A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)

Additional Fees: $8

Measurable Learning Outcomes:

Upon successful completion of each of these courses, students will: Understand philosophy pertaining to the game of basketball. Demonstrate specific skills important to overall success. Identify technique that leads to improved participation. Demonstrate and identify general knowledge of the rules pertaining to basketball. Develop teamwork within an assigned group.

Notes:

All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.

Other courses are taught for students pursuing majors in related fields.

The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.

Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 2141 - Advanced Aerobics I

1 credit hours. 0 lecture hours. 3 lab hours.

A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)

Notes:

All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.

Other courses are taught for students pursuing majors in related fields.

The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.

Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 2142 - Advanced Aerobics II

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Additional Fees: $8
Measurable Learning Outcomes:
Upon completion of each of these courses, students will: Define aerobic and anaerobic exercise and recognize the differences. Understand the basic principles of training: cardio respiratory endurance, muscular strength and endurance, flexibility, and body composition. Understand the purpose of exercise movements as they relate to muscle function and balance. Label the simple skeletal and muscular systems of the body. Understand the role of proper nutrition/hydration in an individual exercise program.
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
Other courses are taught for students pursuing majors in related fields.
The recreational sports program is designed to offer additional activities for students other than those obtained in the regular program of college courses. The recreational sport facilities include a fitness center with a cardio room and weight room, and racquetball courts. Further information regarding these facilities may be obtained at the Fitness Center.
Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

PHED 2143 - Physical Conditioning III

1 credit hours. 0 lecture hours. 3 lab hours.
A fee of $8 is charged for each Health and Physical Education Activity course in which a student is enrolled. (Courses in each activity area must be taken in sequence.)
Additional Fees: $8
Measurable Learning Outcomes:
Upon successful completion of each of these courses, students will: Understand the role of proper nutrition and hydration in training. Demonstrate exercises for cardiovascular fitness and strength training. Demonstrate teamwork.
Notes:
All activities offered at Temple College are divided into three categories: the regular physical education program; recreational sports; and intercollegiate athletics for both men and women. The regular program of instruction offered by the College is basically designed to offer activities that will not only satisfy graduation requirements, but will be of carry-over value and of recreational interest to the student. This program also carries service courses that may be taken as an elective for the non-major or as a part of required courses towards a major in Physical Education.
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Intercollegiate athletics are offered to both men and women. The women's intercollegiate competition is centered on tennis, basketball, volleyball, and softball. The men's program includes the sports of basketball, tennis, and baseball. Students participating in the intercollegiate program should register for intercollegiate athletics under the activity program.

Physics

PHYS 1103 - Stars and Galaxies Laboratory

1 credit hours. 0 lecture hours. 2 lab hours.
Prereq/Corequisites: PHYS 1303 or corequisite: PHYS 1303.
R
This course is designed to complement PHYS 1303 Study of stars, galaxies, and the universe outside our solar system.The course consists of an observational approach to what can be found and measured in the universe outside of our solar system. Students will be involved in taking observations, performing simulations, data analysis, and preparation of written reports. Binoculars, different types of telescopes and other instrumentation will be used. (Cross-listed as ASTR 1103).
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will be able: To describe the basic properties of stars: distance, spectral class, motion, magnitude, composition, and parallax. To discuss the classification scheme of stars as to spectral classes. To explain the

Hertzsprung-Russell diagram and how it relates to stellar evolution. To explain the stages of stellar evolution as the birth, life, and death of any size star. To explain the interstellar medium and how it relates to atoms, molecules, dust, and nebulae. To identify the classification scheme for binary stars, the importance of binary stars to astronomy, and the origin and evolution of binary systems. To describe the various types of natural star groupings in our galaxy and how they evolved. To describe the Doppler shift as it relates to astronomical objects.

PHYS 1104 - Solar System Laboratory

1 credit hours. 0 lecture hours. 2 lab hours.
Prereq/Corequisites: PHYS 1304 or corequisite: PHYS 1304.
R
This course is designed to complement PHYS 1304. Study of the sun and its solar sysem, including its origin. This course consists of an observational approach to what can be found and measured in our solar system. Students will be involved in taking observations, performing simulations, data collection and analysis, and the preparation of written reports. Binoculars, different types of telescopes and other instrumentation will be used. Cross-listed as ASTR 1304.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will be able: To explain changes in the definition of astronomy. To develop appreciation of the early history of astronomy. To develop a general idea of the basic structure of the universe. To define fundamental astronomical terms. To discuss the earth's age, origin, evolution, and structure. To describe gravitational force. To describe the general structure of the solar system. To describe the structure of the sun and how it produces energy.

PHYS 1303 - Stars and Galaxies

3 credit hours. 3 lecture hours. 0 lab hours.
R
Study of stars, galaxies, and the universe outside our solar system. This course is based on the study of stars, galaxies, and the universe outside of our solar system. The subject matter will be presented in a descriptive manner with minimal mathematical application. Mastery of this course will give the student a good understanding of how our universe is structured and its progression. Cross-listed as ASTR 1303.
Measurable Learning Outcomes:
Upon successful completion of this course, students will be able: To describe the basic properties of stars: distance, spectral class, motion, magnitude, composition, and parallax. To discuss the classification scheme of stars as to spectral classes. To explain the Hertzsprung-Russell diagram and how it relates to stellar evolution. To explain the stages of stellar evolution as the birth, life, and death of any size star. To explain the interstellar medium and how it relates to atoms, molecules, dust, and nebulae. To identify the classification scheme for binary stars, the importance of binary stars to astronomy, and the origin and evolution of binary systems. To describe the various types of natural star groupings in our galaxy and how they evolved. To describe the structure of our galaxy (both historical and modern) and the galactic coordinate system.

PHYS 1304 - Solar System

3 credit hours. 3 lecture hours. 0 lab hours.
R
Study of the sun and its solar system, including its origin. The course is based on the study of our sun, the planets within our solar system and other cosmic entities. The origin of the solar system will also be investigated. The subject matter is presented in a descriptive manner with a minimal degree of mathematical applications. Cross-listed as ASTR 1304.
Measurable Learning Outcomes:
Upon successful completion of this course, students will be able: To develop a general idea of the basic structure of the universe. To define fundamental astronomical terms. To explain the relationship between the earth's rotation and celestial coordinates. To discuss the earth's age, origin, evolution, and structure. To describe gravitational force. To describe the general structure of the solar system. To describe the structure of the sun and how it produces energy. To describe the arrangement, structure, and compositions of the solar system, including the sun, planets, and non-planetary bodies.

PHYS 1401 - College Physics I

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: MATH 1314 and MATH 1316 or MATH 1314 and MATH 2412.
R W
Fundamental principles of physics, using algebra and trigonometry; the principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces; with emphasis on problem solving. Laboratory activities will reinforce fundamental principles of physics taught in the lecture.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Determine the components of linear motion (displacement, velocity,

and acceleration), and especially motion under conditions of constant acceleration. Apply Newtons laws to physical problems including gravity. Solve problems using principles of energy. Use principles of impulse and linear momentum to solve problems. Solve problems in rotational kinematics and dynamics, including the determination of the location of the center of mass and center of rotation for rigid bodies in motion. Solve problems involving rotational and linear motion. Describe the components of a wave and relate those components to mechanical vibrations, sound, and decibel level. Demonstrate an understanding of equilibrium, including the different types of equilibrium. Discuss simple harmonic motion and its application to quantitative problems or qualitative questions. Solve problems using the principles of heat and thermodynamics. Solve basic fluid mechanics problems. Demonstrate techniques to set up and perform experiments, collect data from those experiments, and formulate conclusions from an experiment. Record experimental work completely and accurately in laboratory notebooks, and communicate experimental results clearly in written reports.

PHYS 1402 - College Physics II

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: PHYS 1401.
R W M
Fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics; with emphasis on problem solving. This laboratory-based course accompanies PHYS 1302, College Physics II. Laboratory activities will reinforce fundamental principles of physics, using algebra and trigonometry; the principles and applications of electricity and magnetism, including circuits, electrostatics, electromagnetism, waves, sound, light, optics, and modern physics topics; with emphasis on problem solving. Laboratory portion is integrated with lecture portion.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Solve problems involving the inter-relationship of fundamental charged particles, and electrical forces, fields, and currents. Apply Kirchhoff's Rules to analysis of circuits with potential sources, capacitance, inductance, and resistance, including parallel and series capacitance and resistance. Solve problems in the electrostatic interaction of point charges through the application of Coulombs Law. Solve problems involving the effects of magnetic fields on moving charges or currents, and the relationship of magnetic fields to the currents which produce them. Use Faradays and Lenz's laws to determine electromotive forces and solve problems involving electromagnetic induction. Articulate the principles of reflection, refraction, diffraction, interference, and superposition of waves. Describe the characteristics of light and the electromagnetic spectrum. Develop techniques to set up and perform experiments, collect data from those experiments, and formulate conclusions from an experiment. Demonstrate the collections, analysis, and reporting of data using the scientific method. Record experimental work completely and accurately in laboratory notebooks, and communicate experimental results clearly in written reports. Solve problems applying the principles of reflection, refraction, diffraction, interference, and superposition of waves. Solve practical problems involving optics, lenses, mirrors, and optical instruments.

PHYS 1405 - Elementary Physics I

4 credit hours. 3 lecture hours. 3 lab hours.
R W M
Conceptual level survey of topics in physics intended for liberal arts and other non-science majors. The subject matter is presented in a descriptive manner using a low mathematical overview of physics. The student will be introduced to the principles of mechanics, properties of matter, heat, sound and other related topics. For transferability, contact a program advisor.

Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will be able: To use both conceptual and numerical techniques to solve physics problems. To understand and use the general ideas of kinematics. To understand and use the general idea of forces. To understand and use the general ideas of force and motion To understand and use the general ideas of impulse and momentum. To understand and use the general ideas of work and energy. To understand and use the general ideas of rotational motion. To understand and use the general ideas of properties of matter, gravity, sound, and oscillatory motion. To understand and use the general ideas of heat and thermodynamics.

PHYS 1407 - Elementary Physics II

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: PHYS 1405.
R W M
Conceptual level survey of topics in physics intended for liberal arts and other non-science majors. This is the second course physics and is a continuation of PHYS 1405. The subject matter is presented in a descriptive manner using a low mathematical overview of physics. The student will be introduced to the principles of electricity, magnetism, light, atomic and nuclear physics, relativity, astrophysics and other related topics. For transferability, contact a program advisor.

Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will be able to: Use both conceptual and numerical techniques to solve physics problems. Understand and use the general ideas of geometric optics. Understand and use the general ideas electrostatics. Understand and use the general ideas of electrical circuits. Understand and use the general ideas of modern physics. Understand and use the general ideas associated with light. Understand and use the general ideas of electrodynamics. Understand and use the general ideas of relativity. Understand and use the general ideas of the theory of the atom.

PHYS 2389 - Academic Cooperative

3 credit hours. 3 lecture hours. 0 lab hours.
R W M
An instructional program designed to integrate on-campus study with practical hands-on work experience in the physical sciences, especially physics and engineering. In conjunction with class seminars, the individual students will set specific goals and objectives in the scientific study of inanimate objects, processes of matter and energy, and associated phenomena. Hands-on experiments and group projects will be conducted at NASA-JSC for a 2 day competition. This course is required for participation in the Aerospace Scholars Program at NASA.
Measurable Learning Outcomes:
Upon successful completion of this course, students will be able: To use both conceptual and numerical techniques to solve physics and engineering problems. To understand the concepts relating to systems engineering. To understand the fundamentals of materials science. To perform a hypothetical cost analysis. To be aware of the special engineering challenges of spaceflight. To understand the basic principles of disaster recovery and risk management. To comprehend the basics of project management and the management of an engineering endeavor. To have a basic understanding of logistics. To have a basic understanding of robotics.

PHYS 2425 - University Physics I

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: MATH 2413.
R W
Fundamental principles of physics, using calculus, for science, computer science, and engineering majors; the principles and applications of classical mechanics, including harmonic motion, physical systems and thermodynamics; and emphasis on problem solving. Basic laboratory experiments supporting theoretical principles presented in lecture involving the principles and applications of classical mechanics, including harmonic motion and physical systems; experimental design, data collection and analysis, and preparation of laboratory reports. This laboratory is integrated with the lecture.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Determine the components of linear motion (displacement, velocity, and acceleration), and especially motion under conditions of constant acceleration. Solve problems involving forces and work. Apply Newton's laws to physical problems. Identify the different types of energy. Solve problems using principles of conservation of energy. Define the principles of impulse, momentum, and collisions. Use principles of impulse and momentum to solve problems. Determine the location of the center of mass and center of rotation for rigid bodies in motion. Discuss rotational kinematics and dynamics and the relationship between linear and rotational motion. Solve problems involving rotational and linear motion. Define equilibrium, including the different types of equilibrium. Discuss simple harmonic motion and its application to real-world problems. Prepare laboratory reports that clearly communicate experiment information in a logical and scientific manner. Conduct basic laboratory experiments involving classical mechanics. Relate physical observations and measurements involving classical mechanics to theoretical principles. Evaluate the accuracy of physical measurements and the potential sources of error in the measurements. Design fundamental experiments involving principles of classical mechanics. Identify appropriate sources of information for conducting laboratory experiments involving classical mechanics.

PHYS 2426 - University Physics II

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: PHYS 2425 and MATH 2414.
R W
Principles of physics for science, computer science,and engineering majors, using calculus, involving the principles of electricity and magnetism, including circuits, electromagnetism, waves, sound, light, and optics.This is a continuation of PHYS 2425. Laboratory experiments supporting theoretical principles presented in lecture involving the principles of design, data collection and analysis, and preparation of laboratory reports. Laboratory portion is integrated with lecture portion.
Additional Fees: Lab Fee $24
Measurable Learning Outcomes:
Upon successful completion of this course, students will: Articulate the fundamental concepts of electricity and electromagnetism, including electrostatic potential energy, electrostatic potential, potential difference, magnetic field, induction, and Maxwell's Laws. State the general nature of electrical forces and electrical charges, and their relationship to electrical

current. Solve problems involving the inter-relationship of electrical charges, electrical forces, and electrical fields. Apply Kirchhoff's Laws to analysis of circuits with potential sources, capacitance, and resistance, including parallel and series capacitance and resistance. Calculate the force on a charged particle between the plates of a parallel-plate capacitor. Apply Ohm's law to the solution of problems. Describe the effects of static charge on nearby materials in terms of Coulomb's Law. Use Faraday's and Lenz's laws to find the electromotive forces. Describe the components of a wave and relate those components to mechanical vibrations, sound, and decibel level. Articulate the principles of reflection, refraction, diffraction, interference and superposition of waves. Solve real-world problems involving optics, lenses and mirrors. Prepare laboratory reports that clearly communicate experimental information in a logical and scientific manner. Conduct basic laboratory experiments involving electricity and magnetism. Relate physical observations and measurements involving electricity and magnetism to theoretical principles. Evaluate the accuracy of physical measurements and the potential sources of error in the measurements. Design fundamental experiments involving principles of electricity and magnetism. Identify appropriate sources of information for conducting laboratory experiments involving electricity and magnetism.

Professional Office Training

POFT 1301 - Business English

3 credit hours. 2 lecture hours. 2 lab hours.
Introduction to a practical application of basic language usage skills with emphasis on fundamentals of writing and editing for business.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Apply the basic rules of grammar, spelling, capitalization, number usage, and punctuation. Utilize terminology applicable to technical and business writing. Develop proofreading and editing skills. Write sentences and paragraphs.

POFT 1309 - Administrative Office Procedures I

3 credit hours. 2 lecture hours. 2 lab hours.
Prerequisites: BCIS 1305
Study of current office procedures, duties, and responsibilities applicable to an office environment.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Develop time management techniques. Demonstrate communication skills. Identify the basic skills of an office professional.

POFT 1313 - Professional Workforce Preparation

3 credit hours. 2 lecture hours. 2 lab hours.
Preparation for career success including ethics, interpersonal relations, professional attire, and advancement.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Demonstrate skills for seeking and securing employment. Apply problem-solving techniques. Identify attitudes and values that contribute to career success. Demonstrate how to work effectively as part of a team. Exhibit business etiquette. Identify professional attire.

POFT 1329 - Beginning Keyboarding

3 credit hours. 2 lecture hours. 4 lab hours.
Skill development in keyboarding techniques. Emphasis on development of acceptable speed and accuracy levels and formatting basic documents.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Demonstrate keyboarding techniques. Apply proofreading and editing skills. Create basic business documents.

POFT 2301 - Intermediate Keyboarding

3 credit hours. 2 lecture hours. 4 lab hours.
Prerequisites: POFT 1329
A continuation of keyboarding skills emphasizing acceptable speed and accuracy levels and formatting documents.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Demonstrate proficient keyboarding techniques. Apply mail-ability standards to business documents using word processing software.

POFT 2312 - Business Correspondence and Communication

3 credit hours. 2 lecture hours. 2 lab hours.
Development of writing and presentation skills to produce effective business communications.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Create and present effective business documents appropriate to meet industry standards. Evaluate business documents. Apply ethical communication practices.

Psychology

PSYC 2301 - General Psychology

3 credit hours. 3 lecture hours. 0 lab hours.
R W
General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes.
Measurable Learning Outcomes:
Identify various research methods and their characteristics used in the scientific study of psychology. Describe the historical influences and early schools of thought that shaped the field of psychology. Describe some of the prominent perspectives and approaches used in the study of psychology. Use terminology unique to the study of psychology. Describe accepted approaches and standards in psychological assessment and evaluation. Identify factors in physiological and psychological processes involved in human behavior.

PSYC 2308 - Child Psychology

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: PSYC 2301.
This course will address psychological development from conception through middle childhood with references to physical, cognitive, social and personality changes. Students will examine the interplay of biological factors, human interaction, social structures and cultural forces in development.
Measurable Learning Outcomes:
Describe how human beings change physically, cognitively, socially and emotionally from conception through childhood. Identify fundamental concepts and theories, both recent and historical, within the field of child psychology. Evaluate research issues and methodologies used to investigate developmental phenomena. Describe the process of development and the multiple sources of influence on a developing child.

PSYC 2314 - Lifespan Growth and Development

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: PSYC 2301.
Life-Span Growth and Development is a study of social, emotional, cognitive and physical factors and influences of a developing human from conception to death.

Measurable Learning Outcomes:
Describe the stages of the developing person at different periods of the life span from birth to death. Discuss the social, political, economic, and cultural forces that affect the development process of the individual. Identify factors of responsible personal behavior with regard to issues such as sexual activity, substance abuse, marriage and parenting. Explain the biosocial, cognitive and psychological influences throughout the lifespan as an ongoing set of processes, Involving both continuity and change. Describe the different developmental perspectives of the major theories of development (i.e. cognitive, learning, humanistic and psychodynamic). Identify examples of some of the cultural and ethnic differences that influence development throughout the lifespan. Discuss the various causes or reasons for disturbances in the developmental process.

PSYC 2315 - Psychology of Adjustment

3 credit hours. 3 lecture hours. 0 lab hours.
R
Study of the processes involved in adjustment of individuals to their personal and social environments.
Measurable Learning Outcomes:
Define adjustment. Discuss stress and its causes. Explore ways to cope with stress. Reflect on development of close relationships. Look at interpersonal communication. Investigate other aspects of personal adjustment.

PSYC 2319 - Social Psychology

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: PSYC 2301
Study of individual behavior within the social environment. May include topics such as the socio-psychological process, attitude formation and change, interpersonal relations, and group processes. (Cross-listed as SOCI 2326)
Measurable Learning Outcomes:
Demonstrate knowledge of the function of social thinking as it refers to self-understanding, social beliefs and judgments, behavior, and attitudes. Demonstrate knowledge of the function of social influences as it influences conformity and obedience, persuasion, and group decision making. Demonstrate knowledge of the process of social relations as it influences prejudice, aggression, attraction and intimacy, pro-social behaviors, and conflict resolution. Demonstrate knowledge of the practical application of social psychology concepts to real-life settings, in clinical settings and within the legal system.

Reading

READ 0301 - Introduction to College Reading Techniques

3 credit hours. 3 lecture hours. 0 lab hours.
Prereq/Corequisites: STSK 0305 or EDUC 1300
Development of reading and higher thinking skills necessary for college readiness. Student must earn a grade of "C" or better to receive credit for the course.
Measurable Learning Outcomes:
Upon successful completion of this course, students will:
1. Locate explicit textual information, draw complex inferences, and describe, analyze, and evaluate the information within and across multiple texts of varying lengths.
2. Comprehend and use vocabulary effectively in oral communication, reading, and writing.
3. Describe, analyze, and evaluate information within and across a range of texts.
4. Identify and analyze the audience, purpose, and message across a variety of texts.
5. Describe and apply insights gained from reading a variety of texts.

READ 0302 - College Reading Techniques

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: A grade of "C" or above in READ 0301, INRW 0301, or the appropriate score on the placement exam. Students must make a grade of "C" or better to complete the Basic Reading program.
Prereq/Corequisites: STSK 0305 or EDUC 1300
Development of reading and higher thinking skills necessary for college readiness. Student must earn a grade of "C" or better to receive credit for the course.
Measurable Learning Outcomes:
1. Locate explicit textual information, draw complex inferences, and describe, analyze, and evaluate the information within and across multiple texts of varying lengths.
2. Comprehend and use vocabulary effectively in oral communication, reading, and writing.
3. Describe, analyze, and evaluate information within and across a range of texts.
4. Identify and analyze the audience, purpose, and message across a variety of texts.
5. Describe and apply insights gained from reading a variety of texts.

Respiratory Care

RSPT 1201 - Introduction to Respiratory Care

1 credit hours. 2 lecture hours. 2 lab hours.
An introduction to the field of respiratory care. Topics include the history of respiratory care, hospital organization, medical malpractice, ethics, vital signs, body mechanics, basic cardiopulmonary assessment, infection control and cardiopulmonary resuscitation (CPR).
Additional Fees: $24
Measurable Learning Outcomes:
Outline the history of the respiratory care profession; outline the organization and function of hospital departments; describe issues in medical malpractice and ethics; identify the respiratory therapists' role in performing basic vital signs, body mechanics, and cardiopulmonary assessment; and describe infection control techniques.

RSPT 1307 - Cardiopulmonary Anatomy and Physiology

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: BIOL 2401.
An introduction to the anatomy and physiology of the cardiovascular, renal, and pulmonary system. Includes the terminology used in respiratory physiology.
Measurable Learning Outcomes:
Explain normal pulmonary anatomy and physiology; explain cardiovascular anatomy and physiology.

RSPT 1360 - Clinical - Respiratory Therapy Technician

3 credit hours. 0 lecture hours. 16 lab hours.
Prerequisites: RSPT 1201, RSPT 1307, and RSPT 1410.
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional.
Additional Fees: Liability Insurance approximately $28.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

RSPT 1410 - Respiratory Care Procedures I

4 credit hours. 3 lecture hours. 3 lab hours.
Provides students with the essential knowledge of the equipment and techniques used in the treatment of pulmonary disease and their clinical application. The following areas are discussed in depth: oxygen therapy, humidity and aerosol therapy, hyperinflation therapy, chest physiotherapy, pulse oximetry, arterial puncture, and interpretation.
Additional Fees: DataArc Fee $70 $24
Measurable Learning Outcomes:
Utilize respiratory care equipment; perform therapeutic procedures including oxygen therapy, humidity and aerosol therapy, lung expansion therapy, bronchial hygiene therapy, and pulse oximetry; recommend modification of therapy; and maintain patient records.

RSPT 1411 - Respiratory Care Procedures II

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: RSPT 1410.
Provides students with the essential knowledge of airway care and mechanical ventilation. Airway care includes indication, techniques, equipment, and hazards and complications. Mechanical ventilation includes indication, initiation, modes, clinical application, management, complications, and weaning.
Additional Fees: $24
Measurable Learning Outcomes:
Set up equipment; conduct airway care; initiate mechanical ventilation; troubleshoot equipment; maintain patient records; and communicate relevant information to members of the health care team.

RSPT 2230 - Exam Preparation

2 credit hours. 2 lecture hours. 0 lab hours.
Comprehensive review for selected respiratory care credentialing examinations. Test matrices and exam content areas for selected exams will be presented.
Measurable Learning Outcomes:
Recall concepts and theories in respiratory therapy; apply concepts and theories in respiratory therapy; and analyze concepts and theories in respiratory therapy.

RSPT 2239 - Advanced Cardiac Life Support

2 credit hours. 2 lecture hours. 0 lab hours.
A comprehensive course designed to develop the cognitive and psychomotor skills necessary for resuscitation of the adult. Strategies for managing and stabilizing the cardiopulmonary arrested patient will be included.
Measurable Learning Outcomes:
Describe the principles, techniques, and complications of intravenous and electrical therapy, airway control, ventilation, and supplemental oxygen; analyze cardiac dysrhythmias; integrate basic life support with advanced cardiovascular life support interventions; and summarize airway management principles.

RSPT 2305 - Pulmonary Diagnostics

3 credit hours. 2 lecture hours. 2 lab hours.
Prerequisites: RSPT 2660.
The theories and techniques involved in pulmonary function testing diagnostics with emphasis on blood gas theory and analysis, quality control, oximetry, and capnography.
Additional Fees: $24
Measurable Learning Outcomes:
Explain pulmonary function testing; interpret pulmonary function test results; describe principles/concepts involved in blood gas analysis; analyze quality control data for pulmonary function and blood gas equipment.

RSPT 2310 - Cardiopulmonary Disease

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: RSPT 1307
A discussion of the pathogenesis, pathology, diagnosis, history, prognosis, manifestations, treatment, and detection of cardiopulmonary diseases.
Measurable Learning Outcomes:
Analyze the etiology, pathophysiology, clinical manifestations, and management of cardiopulmonary disorders; and compare cardiopulmonary disorders.

RSPT 2317 - Respiratory Care Pharmacology

3 credit hours. 1 lecture hours. 2 lab hours.
Prerequisites: RSPT 1307.
A study of pharmacological principles/practices of drugs which affect the cardiopulmonary systems. Emphasis on classification, route of administration, dosages/calculations, and physiological interactions.
Additional Fees: $12
Measurable Learning Outcomes:
Explain the mode of action, clinical indications, dosages, hazards, and side effects of pulmonary and cardiovascular drugs; calculate drug dosages; and select drugs for optimal therapeutic benefits.

RSPT 2353 - Neonatal/pediatric Cardiopulmonary Care

3 credit hours. 3 lecture hours. 2 lab hours.
A study of acute care, monitoring and management as applied to the neonatal and pediatric patient.
Additional Fees: $12
Measurable Learning Outcomes:
Describe fetal development and transition to extrauterine life; assess maternal and fetal history; modify therapy to neonatal pediatric patients; describe the etiology, pathophysiology, clinical manifestations and management of neonatal/pediatric disorders; and analyze, interpret and apply patient data in selective patient care settings.

RSPT 2361 - Clinical - Respiratory Therapy Technician

3 credit hours. 0 lecture hours. 16 lab hours.
Prerequisites: RSPT 2660
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

RSPT 2362 - Clinical - Respiratory Therapy Technician

3 credit hours. 0 lecture hours. 16 lab hours.
Prerequisites: RSPT 2361.
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

RSPT 2414 - Mechanical Ventilation

4 credit hours. 3 lecture hours. 2 lab hours.
Prerequisites: RSPT 1411.
Preparation to conduct the therapeutic procedures to achieve adequate, spontaneous, and artificial ventilation with emphasis on ventilator classification, methods, principles, and operational characteristics. Also included are the indications, complications, and physiologic effects/principles of mechanical ventilation.
Additional Fees: $16
Measurable Learning Outcomes:
Describe procedures for mechanical ventilation as related to spontaneous and artificial ventilation with emphasis on ventilator classification, methods, principles, and operational characteristics; explain indications, complications, and physiologic effects principles of mechanical ventilation; and apply initiation, management, and weaning of ventilatory support.

RSPT 2425 - Cardiopulmonary Diagnostics

4 credit hours. 3 lecture hours. 3 lab hours.
Prerequisites: RSPT 2305.
A study of physical, radiologic, hemodynamic, laboratory, nutritional, and cardiopulmonary diagnostic assessment of the pulmonary patient.
Additional Fees: $24
Measurable Learning Outcomes:
Interpret patient data including physical, radiological, hemodynamic laboratory, nutritional, and cardiopulmonary diagnostic assessment of the pulmonary patient; and apply data to evaluate cardiopulmonary disorders.

RSPT 2660 - Clinical - Respiratory Therapy Technician

6 credit hours. 0 lecture hours. 16 lab hours.
Prerequisites: RSPT 1360.
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. Direct supervision is provided by the clinical professional. This is a 12 week course during the summer.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

Security and Loss Prevention

SLPS 2333 - Private Investigation

3 credit hours. 3 lecture hours. 0 lab hours.
The private investigation process. Includes techniques and procedures involved and legal issues applicable to private investigations.
Measurable Learning Outcomes:
Explain the role of the private investigator as it relates to the private investigation process. List the issues currently facing security and private investigators/agencies. Identify the importance of a thorough investigation with supporting evidence. Identify the various investigative procedures and techniques associated with a private investigation. Explain the various statutes in the law as they relate to the private investigator.

SLPS 2388 - Internship – Security and Loss Prevention Services

3 credit hours. 0 lecture hours. 17 lab hours.
A work-based learning experience that enables the student to apply specialized occupational theory, skills and concepts. A learning plan is developed by the college and the employer.
Measurable Learning Outcomes:
As outline in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices,

interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

Sociology

SOCI 1301 - Introductory Sociology

3 credit hours. 3 lecture hours. 0 lab hours.
R W
It is the aim of this course to give the students an understanding of the culture and the institutions with which they live and to familiarize them with the social processes of society.
Measurable Learning Outcomes:
Develop critical thinking skills. Understand the social and cultural environment in which he/she lives. Develop an understanding of cultural diversity. Develop skills useful in the workplace and community in which he/she lives and works. Develop a self-identity that is both individual and contributes to the society in which he/she lives.

SOCI 1306 - Social Problems

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: SOCI 1301.
R W
Application of sociological principles to the major problems of contemporary society such as inequality, crime and violence, substance abuse, deviance, or family problems.
Measurable Learning Outcomes:
Understand the concept of social problems as a component of modern life. Analyze various social problems from a sociological, political, environmental, and practical point of view. Evaluate various social problems/ policies in order to understand the current concern and contemplate solutions for the future. Address barriers, points of view, and influences in the creation of social problems, social policies, and social solutions.

SOCI 2301 - Marriage and the Family

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: SOCI 1301 or approval of Instructor.
R W
A sociological analysis of marriage and family relationships based on concepts introduced in SOCI 1301. Areas explored are courtship practices, marriage, and family patterns and the family in transition.
Measurable Learning Outcomes:
Understand the role and functions of family in modern society. Utilize theories of family to understand family dynamics that impact everyday choices in the family. Look at practical concerns of family that impact its ability to function successfully - finances, health, and communication. Recognize stages of family life and their impact on family dynamics and functioning - birth, adolescence, middle-age, old age, death.

SOCI 2319 - Minority Studies I

3 credit hours. 3 lecture hours. 0 lab hours.
R W
Historical economic, social and cultural development of minority groups. May include African American, Mexican American, Asian American, and Native American issues.
Measurable Learning Outcomes:
Discuss minority - majority relations among immigrants from a socio-historical perspective. Discuss interaction patterns between dominant and minority cultures within America. Discuss assimilation of immigrants and how it is impacted by group strengths, weaknesses, and goals of immigrants. Evaluate possible solutions to immigration problems based on American policies and immigrant goals.

SOCI 2336 - Criminology

3 credit hours. 3 lecture hours. 0 lab hours.
R W
The course surveys various theories of crime, with an emphasis on understanding the social causes of criminal behavior. The techniques for measuring crime as a social phenomenon and the characteristics of criminals are examined. This course addresses crime types (such as consensual or white-collar crimes), the criminal justice system, and other social responses to crime.
Measurable Learning Outcomes:

Define key concepts associated with criminology. Identify major criminological theories. Describe the major categories of crime. Explain the various methodological approaches used to research crime and criminal behavior. Describe the components and explain the dynamics of the criminal justice system.

SOCI 2389 - Academic Cooperative in Sociology

3 credit hours. 3 lecture hours. 4 lab hours.
Prerequisites: SOCI 1301.
R W
Integrates on-campus study with practical experiences in a social science context. In conjunction with class seminars and consultation with the course instructor, each student sets specific goals and objectives in the study of human social behavior and or social institutions.

Spanish

SPAN 1300 - Beginning Spanish Conversation I

3 credit hours. 3 lecture hours. 0 lab hours.
Basic practice in comprehension and production of the spoken language.

SPAN 1411 - Beginning Spanish I

4 credit hours. 3 lecture hours. 2 lab hours.
R W
Basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students will acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the beginner level.
Measurable Learning Outcomes:
Engage in conversations using level-appropriate grammatical structures including narrating events that take place in the present and producing questions and responses on a variety of topics dealing with everyday life. Demonstrate understanding of level-appropriate spoken Spanish. Write simple sentences and organize them into short paragraphs. Read and comprehend level-appropriate texts. Identify and discuss traditions, customs and values of the Hispanic world. Compare and contrast the traditions, customs and values of the Hispanic world with characteristics of their own culture.

SPAN 1412 - Beginning Spanish II

4 credit hours. 3 lecture hours. 2 lab hours.
Prerequisites: SPAN 1411 or equivalent
Continued development of basic Spanish language skills in listening, speaking, reading, and writing within a cultural framework. Students acquire the vocabulary and grammatical structures necessary to communicate and comprehend at the high beginner to low intermediate level.
Measurable Learning Outcomes:
Engage in conversations using level-appropriate grammatical structures including narrating events that take place in the past. Demonstrate understanding of level-appropriate spoken Spanish produced by Spanish speakers of diverse origins. Write simple to moderately complex sentences using level-appropriate grammatical structures and organize them into cohesive paragraphs. Read and comprehend level-appropriate authentic texts. Identify and discuss traditions, customs and values of the Hispanic world. Compare and contrast the traditions, customs and values of the Hispanic word with characteristics of their own culture.

SPAN 2311 - Intermediate Spanish I

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: SPAN 1412 or instructor consent.
The consolidation of skills acquired at the introductory level. Further development of proficiency in listening, speaking, reading and writing. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world.
Measurable Learning Outcomes:
Demonstrate comprehension of authentic spoken discourse produced by Spanish speakers of diverse origins. Produce oral Spanish comprehensible to native speakers using complex grammatical structures to narrate, describe and elicit information. Demonstrate increasing comprehension of authentic written texts in a variety of

genres. Write descriptions and narratives at a low intermediate level using complex grammatical structures. Formulate cohesive paragraphs and short/simple essays. Describe cultural practices and products of the Spanish-speaking world drawing on authentic materials including literature and the visual arts.

SPAN 2312 - Intermediate Spanish II

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: SPAN 2311 or instructor consent.
The consolidation of skills acquired at the introductory level. Further development of proficiency in listening, speaking, reading and writing. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world.
Measurable Learning Outcomes:
Summarize authentic spoken discourse produced by Spanish speakers of diverse origins. Produce Spanish comprehensible to native speakers using complex grammatical structures to communicate analytical and interpretive information in both impromptu and prepared speech. Demonstrate increasing comprehension of authentic written texts in a variety of genres. Write evaluations and critiques at a high intermediate level using complex grammatical structures. Formulate cohesive paragraphs and essays. Interpret cultural practices and products of the Spanish speaking world drawing on authentic materials including literature and the visual arts.

SPAN 2313 - Spanish for Native Speakers I

3 credit hours. 3 lecture hours. 0 lab hours.
Review and application of skills in reading and writing. Emphasizes vocabulary acquisition, reading, composition, and culture. Designed for individuals with oral proficiency in Spanish, these courses are considered equivalent to SPAN 2311 & 2312.
Measurable Learning Outcomes:
Write dialogues, descriptions and narratives demonstrating:
a) Correct orthography and punctuation
b) Cohesion between sentences
c) Appropriate register
Demonstrate an expanded vocabulary. Apply strategies for linking ideas in complex sentences. Identify similarities and differences among distinct varieties of Spanish. Give oral presentations in a formal register appropriate for professional and academic settings. Describe cultural practices and products of the Spanish speaking world drawing on authentic materials including literature and the visual arts.

SPAN 2315 - Spanish for Native Speakers II

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: SPAN 2313 or instructor consent.
Review and application of skills in reading and writing. Emphasizes vocabulary acquisition, reading, composition, and culture. Designed for individuals with oral proficiency in Spanish, these courses are considered equivalent to SPAN 2311 & 2312.
Measurable Learning Outcomes:
Write evaluations, explanations and other types of academic writing demonstrating development of rhetorical skills. Demonstrate an expanded vocabulary in discourse. Apply strategies for linking ideas in complex sentences. Identify similarities and differences among distinct varieties of Spanish. Give oral presentations in a formal register appropriate for professional and academic settings. Interpret cultural practices and products of the Spanish speaking world drawing on authentic materials including literature and the visual arts.

Speech

SPCH 1311 - Introduction to Speech Communication

3 credit hours. 3 lecture hours. 0 lab hours.
R W
An introduction to the theories and practice of oral communication. Emphasis is on the importance of both listening and speaking to help the student develop skills necessary for communication in interpersonal, small group and public speaking situations.
Measurable Learning Outcomes:
1. To understand and demonstrate speaking and listening processes used in interpersonal, small group, and public communication settings.

2. To understand the importance of perception, language, nonverbal communication, and mediated communication in making and analyzing communication choices.
3. To participate effectively in decision making groups with emphasis on listening, critical and reflective thinking, and responding.

SPCH 1315 - Public Speaking

3 credit hours. 3 lecture hours. 0 lab hours.

R W

Research, composition, organization, and delivery of speeches for various purposes and occasions with emphasis on listener analysis and informative and persuasive techniques.

Measurable Learning Outcomes:

1. To understand and demonstrate speaking processes through invention, arrangement, style, memory, and delivery.
2. To understand the importance of specifying audience and purpose and to select appropriate communication choices.
3. To understand and apply basic principles of critical thinking, problem solving, and technical proficiency in the development and critique of informative, persuasive, and special occasion speeches.

SPCH 1318 - Interpersonal Communication

3 credit hours. 3 lecture hours. 0 lab hours.

R W

Theories and exercises in verbal and nonverbal communication with focus on interpersonal relationships.

Measurable Learning Outcomes:

1. Develop skills in theories and exercises in verbal and nonverbal communication with focus on interpersonal relationships
2. Diagnose barriers to effective communication in life.
3. Identify the degree to which communication is impersonal and interpersonal.
4. Identify the physiological factors that cause perceptual differences.

SPCH 1321 - Business and Professional Communication

3 credit hours. 3 lecture hours. 0 lab hours.

R W

Theories and practice of speech communication as applied to business and professional situations. Emphasis is on the importance of both listening and speaking to help students develop skills necessary for communication in interpersonal, small group, and public business interactions.

Measurable Learning Outcomes:

1. To understand the importance of specifying audience and purpose and to select appropriate communication choices.
2. To understand and apply basic principles of critical thinking, problem solving, and technical proficiency in the development of exposition and argument.
3. To develop the ability to research and write a documented paper and/or to give an oral presentation.

SPCH 1342 - Voice and Diction

3 credit hours. 3 lecture hours. 0 lab hours.

R W

Physiology and mechanics of effective voice production with practice in articulation, pronunciation, and enunciation. Introduction to the International Phonetic Alphabet. This is the same course as DRAM 2336 but can be taken for speech credit. Credit will not be granted for both SPCH 1342 and DRAM 2336.

Measurable Learning Outcomes:

1. Physiology and mechanics of effective voice production.
2. Understand the relationship of Voice and Diction to effective communication.
3. Use pitch for effective vocalization.
4. Differentiate the vowel sounds.

SPCH 2333 - Discussion and Small Group Communication

3 credit hours. 3 lecture hours. 0 lab hours.

R W

Discussion and small group theories and techniques as they relate to group process and interaction.

Measurable Learning Outcomes:

1. To understand the process of choosing a leader in a group.
2. To understand the various stages most groups grow through during the life of the group and why these stages happen
3. To understand the various roles assumed by group members and how these roles usually evolve or are assigned in groups.

4. To understand group dynamics so the student may use them to develop a healthier group.

Study Skills

EDUC 1300 - Learning Frameworks

3 credit hours. 3 lecture hours. 0 lab hours.

EDUC 1300 Learning Framework (3 SCH version)

A study of the: research and theory in the psychology of learning, cognition, and motivation; factors that impact learning, and application of learning strategies. Theoretical models of strategic learning, cognition, and motivation serve as the conceptual basis for the introduction of college-level student academic strategies. Students use assessment instruments (e.g., learning inventories) to help them identify their own strengths and weaknesses as strategic learners. Students are ultimately expected to integrate and apply the learning skills discussed across their own academic programs and become effective and efficient learners. Students developing these skills should be able to continually draw from the theoretical models they have learned. (Cross-listed as PSYC 1300)

Measurable Learning Outcomes:

Upon successful completion of this course, students will:

1. Develop and maintain motivation for college success.
2. Develop and use study strategies and skills.
3. Build community and connect to campus resources.
4. Find direction in college.

STSK 0305 - Master Student for TSI (Texas Success Initiative)

3 credit hours. 3 lecture hours. 0 lab hours.

Psychology of learning and success. Examines factors that underlie learning, success, and personal development in higher education. Topics covered include information processing, memory, strategic learning, self-regulation, goal setting, motivation, educational and career planning, and learning styles. Techniques of study such as time management, listening and note taking, text marking, library and research skills, preparing for examinations, and utilizing learning resources are covered. Includes courses in college orientation and developments of students academic skills that apply to all disciplines. Student must earn a "C" or better to receive credit for the course.

Measurable Learning Outcomes:

Students will be able to define and develop study skills to include: utilizing technology by performing time management and goal setting techniques; effective listening and note-taking skills, learn textbook study methods; strategies for preparing and taking examinations as well as techniques to boost concentration and memory; evaluate stress and money management techniques; explore career planning, examine personal motivation and apply such techniques in order to become successful college students.

Surgical Technology

SRGT 1361 - Clinical – Surgical Technology/Technologist, Intermediate

(3:0-0-11) credit hours.

Prerequisites: SRGT 1560.

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Intermediate level surgical technology competencies are evaluated. An 8-week course.

Measurable Learning Outcomes:

As outlined in the learning plan, apply theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

SRGT 1462 - Clinical – Surgical Technology/Technologist, Advanced

(4:0-0-13) credit hours.

Prerequisites: SRGT 1361.

A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Advanced level surgical technology competencies are evaluated. An 8-week course.

Measurable Learning Outcomes:
As outlined in the learning plan, apply theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

SRGT 1505 - Introduction to Surgical Technology

(5:5-0-0) credit hours.
Prerequisites: SRGT 1509.
Orientation to surgical technology theory, surgical pharmacology and anesthesia, technological sciences, and patient care concepts. A 16-week course.
Measurable Learning Outcomes:
Identify the physical, interpersonal, and ethical aspects of the perioperative environment; discuss basic concepts of surgical pharmacology and anesthesia; identify basic concepts of technological sciences; and demonstrate patient care concepts.

SRGT 1509 - Fundamentals of Perioperative Concepts and Techniques

(5:3-6-0) credit hours.
In-depth coverage of perioperative concepts such as aseptic principles/sterile principles and practices, infectious processes, wound healing, and creation and maintenance of the sterile field. Student must successfully perform a videotaped practicum demonstration with an 80% proficiency in order to pass this course. A 12-week course.
Additional Fees: $150 sterile supply pack fee.
Measurable Learning Outcomes:
Demonstrate principles and practices of aseptic/sterile techniques; identify infectious processes and concepts of wound healing; create a sterile field utilizing basic case preparation; and exhibit maintenance of the sterile field during procedures.

SRGT 1541 - Surgical Procedures I

(5:5-0-0) credit hours.
Prerequisites: SRGT 1509, SRGT 1505. A 16-week course.
Introduction to surgical procedures and related pathologies with emphasis on surgical procedures related to the general, obstetrics/gynecology, genitourinary, otorhinolaryngology, and orthopedic surgical specialties incorporating instruments, equipment, and Supplies.
Measurable Learning Outcomes:
Relate anatomy and pathology for selected procedures; demonstrate patient preparation; utilize instruments, equipment, and supplies; demonstrate case management skills, sequentially; and identify outcomes and possible complications.

SRGT 1542 - Surgical Procedures II

(5:5-0-0) credit hours.
Prerequisites: SRGT 1541 an 8-week course.
Introduction to surgical procedures and related pathologies with emphasis on surgical procedures related to thoracic, peripheral vascular, plastic/reconstructive, ophthalmology, cardiac, and neurological surgical specialties incorporating instruments, equipment, and supplies.
Measurable Learning Outcomes:
Relate anatomy and pathology for selected procedures; demonstrate patient preparation; utilize instruments, equipment, and supplies; demonstrate case management skills; and identify outcomes and possible complications for selected procedures.

SRGT 1560 - Clinical – Surgical Technology/Technologist, Introductory

(5 credit hours. 0 lecture hours. 18 Clinical hours. 0 lab hours.
Prerequisites: SRGT 1505, SRGT 1509.
A health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professional. Basic level surgical technology competencies are evaluated. A 16-week course.
Additional Fees: Approximately $20 liability fee.
Measurable Learning Outcomes:
As outlined in the learning plan, apply theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

SRGT 2130 - Professional Readiness

(1:1-0-0) credit hours.
Prerequisites: SRGT 1541: SRGT 1542. An 8-week course.

Overview of professional readiness for employment, attaining certification, and maintaining certification status.
Additional Fees: National Certification Exam Fee $300
Measurable Learning Outcomes:
Demonstrate job-seeking skills; and identify strengths and weaknesses in preparation for the certification examination.

Surveying

SRVY 1301 - Introduction to Surveying

3 credit hours. 2 lecture hours. 4 lab hours.
An overview of the surveying profession. The history of surveying and its impact on the world. Review the mathematics used in surveying. Introduction to basic surveying equipment with emphasis on measurements. Instruction on surveying procedures and the limitation of errors. Calculation to determine precision and error of closure.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Describe the surveying profession and its historical impact. Demonstrate an understanding of basic surveying terminology, surveying equipment and measurements. List the steps required in performing a survey. Employ mathematical skills and use scientific calculators to calculate survey error and adjustment.

SRVY 1309 - Surveying Measurement

3 credit hours. 2 lecture hours. 4 lab hours.
An introductory course covering the equipment and hardware of the profession necessary to measure horizontal and vertical distances, in accordance with prevailing and applicable professional standards, e. g., standards of the National Geodetic Survey, state and local statues and regulations, professional standards, such as the Texas Society of Professional Surveyors.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Perform a variety of measurements and determine their compliance with applicable standards. Identify the desired outcome of a project in order to develop criteria and procedures for measurement and research activities in accordance with prevailing and applicable professional standards.

SRVY 1315 - Surveying Calculations

3 credit hours. 3 lecture hours. 0 lab hours.
An introduction to the mathematics used in surveying and mapping, including algebra, plane trigonometry, and plane, solid and analytical geometry.
Measurable Learning Outcomes:
Perform a statistical evaluation of measurement data. Reconcile any differences between record data, measurement data, and analysis data to perform necessary and appropriate adjustments. Use industry standard calculators, both programmed and non programmed in problem solving.

SRVY 1319 - Introduction to Geographic Information Systems: (GIS)

3 credit hours. 2 lecture hours. 4 lab hours.
A study of the theory of geographic information systems, including conceptual understanding and database development, terms, definitions, classifications, use and client requirements, and prevailing and applicable professional standards. Projects and procedures to establish maps based upon geographic information systems.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Develop a project to be placed on a geographic information systems data base. Communicate with others to establish the scope of the mapping services to be produced. Select the control and orientation for a database used in a geographic information system project.

SRVY 2305 - Geographic Information Systems Applications

3 credit hours. 2 lecture hours. 4 lab hours.
A hands-on course with computer applications providing additional conceptual understanding of geographical information systems and practical applications using a variety of Geographical Information System software.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Develop and key in a data base of information for use in a mapping project. Evaluate and record information that will appear on different mapping layers. Reconcile records and develop maps for specific purposes from data bases.

SRVY 2309 - Computer Aided Mapping

3 credit hours. 2 lecture hours. 4 lab hours.
An intermediate to advanced level course designed to teach the student how to produce a survey map using appropriate software and coordinate geometry. Production of survey maps and plats, civil engineering design drawings and topographic maps utilizing coordinate geometry.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Create a variety of survey related maps from an imported database of coordinate points. Design and produce practical, accurate and attractive maps. Create a database of the coordinates for points on a map.

Texas Early Childhood Articulation

TECA 1303 - Families, School, and Community

3 credit hours. 3 lecture hours. 1 lab hours.
A study of the child, family, community, and schools, including parent education and involvement, family and community lifestyles, child abuse, and current family life issues. Course content is aligned with State Board for Education Certification Pedagogy and Professional Responsibilities standards. This course requires students to participate in field experiences with children from infancy through age 12 in a variety of settings with varied and diverse populations with a minimum of 16 hours of field experience.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Examine literature on parenting styles and effective parenting techniques. Discuss issues relating to families and communities. Review literature relating to diverse cultures and lifestyles. Practice ways to communicate and interact with parents and families. Recognize signs of abuse and neglect and describe ways to work effectively with abused and neglected children and their families.

TECA 1311 - Educating Young Children

3 credit hours. 3 lecture hours. 1 lab hours.
An introduction to the education of the young child, including developmentally appropriate practices and programs, theoretical and historical perspectives, ethical, and professional responsibilities, and current issues. Course content is aligned with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. This course requires students to participate in field experiences with children from infancy through age 12 in a variety of settings with varied and diverse populations with a minimum of 16 hours of field experience.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Discuss the contributions of key historical and contemporary theorists to the field of early care and education. Explain the features of a developmentally appropriate program for young children. Define development and define each of the four basic developmental domains analyze future trends and issues of the early care and education. Demonstrate an understanding of the characteristics and developmental stages of an early care and education professional.

TECA 1318 - Wellness of the Young Child

3 credit hours. 3 lecture hours. 1 lab hours.
A study of the factors that impact the well-being of the young child including healthy behavior, food, nutrition, fitness and safety practices. Focus on local and national standards and legal implications of relevant policies and regulations. Course content is aligned with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. This course requires students to participate in field experiences with children from infancy through age 12 in a variety of settings with varied and diverse populations with a minimum of 16 hours of field experience.
Additional Fees: Lab fee $24
Measurable Learning Outcomes:
Analyze principles of nutrition, evaluate nutrition assessment, and examine regulatory requirements for nutrition. Describe community health problems, universal health precautions, and legal implications regarding health and analyze environmental and personal hygiene. Describe principles of safety as they relate to children, evaluate regulations regarding child safety, safety procedures and children's environments for safety. Demonstrate skills in computation, record keeping, referrals and resources as they apply to nutrition, health, and safety.

TECA 1354 - Child Growth and Development

3 credit hours. 3 lecture hours. 0 lab hours.
A study of the physical, emotional, social, and cognitive factors impacting growth and development of children through adolescence.
Measurable Learning Outcomes:
Summarize principles of growth and development in the physical, cognitive, emotional, and social domains. Compare and

contrast theories of development. Discuss the impact of developmental processes on early childhood practices. Discuss types and techniques of observation. Explain the importance of play. Demonstrate skills in application of developmental principles and theories, observation techniques and recognition of growth and developmental patterns.

Vocational Nursing

VNSG 1119 - Professional Development

1 credit hours. 1 lecture hours. 0 lab hours.
Prerequisites: VNSG 1231, VNSG 1330, VNSG 1509, VNSG 1560, VNSG 2331.
Corequisites: VNSG 1138, VNSG 1334, VNSG 1510, VNSG 2561, ITSE 1294.
Study of the importance of professional growth. Topics include the role of the licensed vocational nurse in the multidisciplinary health care team, professional organizations, and continuing education.
Measurable Learning Outcomes:
Describe the role of the licensed vocational nurse in multi-disciplinary settings inclusive of basic principles of leadership and management; discuss the role of professional organizations and regulatory agencies; and identify criteria and appropriate resources for continuing education.

VNSG 1122 - Vocational Nursing Concepts

1 credit hours. 1 lecture hours. 0 lab hours.
Corequisites: VNSG 1126, VNSG 1136, VNSG 1160, VNSG 1423, BIOL 2404.
Introduction to the nursing profession and its responsibilities and the legal and ethical issues in nursing practice. Concepts related to the physical, emotional, and psychosocial self-care of the learner/professional.
Measurable Learning Outcomes:
Discuss the personal adjustments essential to the development of the vocational nurse; identify the role of the licensed vocational nurse; and discuss the legal and ethical responsibilities in vocational nursing practice.

VNSG 1126 - Gerontology

1 credit hours. 1 lecture hours. 0 lab hours.
Corequisites: VNSG 1122, VNSG 1136, VNSG 1160, VNSG 1423, BIOL 2404.
Overview of the normal physical, psychosocial, and cultural aspects of the aging process. Addresses common disease processes of aging.

Measurable Learning Outcomes:
Describe the aspects of aging; discuss disease processes associated with aging; and identify perceptions related to care of the older adult.

VNSG 1136 - Mental Health

1 credit hours. 1 lecture hours. 0 lab hours.
Corequisites: VNSG 1122, VNSG 1126, VNSG 1160, VNSG 1423, BIOL 2404.
Introduction to the principles and theories of positive mental health and human behaviors. Topics include emotional responses, coping mechanisms, and therapeutic communication skills
Measurable Learning Outcomes:
Describe the characteristics of positive mental health; identify the coping mechanisms utilized by individuals to assist in alleviating stress and anxiety; and demonstrate the use of therapeutic communication skills.

VNSG 1138 - Mental Illness

1 credit hours. 1 lecture hours. 0 lab hours.
Prerequisites: VNSG 1231, VNSG 1330, VNSG 1509, VNSG 1560, VNSG 2331.
Corequisites: VNSG 1119, VNSG 1334, VNSG 1510, VNSG 2561, ITSE 1294.
Study of human behavior with emphasis on emotional and mental abnormalities and modes of treatment incorporating the nursing process.
Measurable Learning Outcomes:
Identify common mental illnesses and maladaptive behavior; utilize the nursing process to assist in planning care for the individual with mental illness or maladaptive behavior; and discuss trends in the management of the individual requiring psychotherapeutic treatment

VNSG 1160 - Clinical-LVN Training I

1 credit hours. 0 lecture hours. 6 lab hours.
Corequisites: VNSG 1122, VNSG 1126, VNSG 1136, VNSG 1423, BIOL 2404.
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professionals.
Additional Fees: Approximately $20 per year liability insurance fee.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

VNSG 1231 - Pharmacology

2 credit hours. 2 lecture hours. 1 lab hours.
Prerequisites: VNSG 1122, VNSG 1126, VNSG 1136, VNSG 1160, VNSG 1423, BIOL 2404.
Corequisites: VNSG 1330, VNSG 1509, VNSG 1560, VNSG 2331.
Fundamentals of medications and their diagnostic, therapeutic, and curative effects. Includes nursing interventions utilizing the nursing process in providing holistic care.
Additional Fees: $16
Measurable Learning Outcomes:
Identify properties, effects, and principles of pharmacotherapeutic agents; and list nursing interventions associated with the various pharmacotherapeutic agents

VNSG 1330 - Maternal-neonatal Nursing

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: VNSG 1122, VNSG 1126, VNSG 1136, VNSG 1160, VNSG 1423, BIOL 2404.
Corequisites: VNSG 1231, VNSG 1509, VNSG 1560, VNSG 2331.
A study of the biological, psychological, and sociological concepts applicable to basic needs of the family including childbearing and neonatal care. Utilization of the nursing process in the assessment and management of the childbearing family. Topics include physiological changes related to pregnancy, fetal development, and nursing care of the family during labor and delivery and the puerperium.
Additional Fees: $16 Testing Fee $56.00
Measurable Learning Outcomes:
A study of the biological, psychological, and sociological concepts applicable to basic needs of the family including childbearing and neonatal care. Utilization of the nursing process in the assessment and management of the childbearing family. Topics include physiological changes related to pregnancy, fetal development, and nursing care of the family during labor and delivery and the puerperium. Discuss human reproduction and fetal development as related to the normal aspects of childbearing; identify common complications of the mother and newborn during prenatal, antenatal, and postnatal periods; and relate characteristics of the normal newborn and associated nursing interventions to meet identified health care needs utilizing the nursing process

VNSG 1334 - Pediatrics

3 credit hours. 3 lecture hours. 0 lab hours.
Prerequisites: VNSG 1231, VNSG 1330, VNSG 1509, VNSG 1560, VNSG 2331.
Corequisites: VNSG 1119, VNSG 1138, VNSG 1510, VNSG 2561, ITSE 1294.
Study of childhood growth and development, diseases and childcare from infancy through adolescence. Focus is on the care of the well and the ill child utilizing the nursing process in providing family centered holistic nursing care.
Measurable Learning Outcomes:
Identify safety principles related to childcare; discuss primary nursing care of the pediatric patient and family during health and disease; and apply concepts of growth and development to the care of pediatric patients utilizing the nursing process.

VNSG 1423 - Basic Nursing Skills

4 credit hours. 3 lecture hours. 4 lab hours.
Corequisites: VNSG 1122, VNSG 1126, VNSG 1136, VNSG 1160, VNSG 1423, BIOL 2404.
Mastery of entry level nursing skills and competencies to a diverse population for a variety of healthcare settings. Laboratory experiences are required.
Additional Fees: $64 Testing Fee $56.00
Measurable Learning Outcomes:
Demonstrate competency in basic nursing skills; identify the steps in the nursing process; describe how each step relates to nursing care; and discuss the delivery of basic nursing skills in a variety of health care settings.

VNSG 1509 - Nursing in Health & Illness II

5 credit hours. 5 lecture hours. 0 lab hours.
Prerequisites: VNSG 1122, VNSG 1136, VNSG 1423, BIOL 2404.
Corequisites: VNSG 1231, VNSG 1330, VNSG 1560, VNSG 2331.
Introduction to common health problems of culturally diverse clients requiring medical and surgical interventions during various stages of the life cycle.
Additional Fees: $45 Mid-curricular Assessment test fee.
Measurable Learning Outcomes:
Compare and contrast normal physiology of body systems to pathologic variations in the patient with medical-surgical health problems; evaluate and treat patients with medical-surgical health problems using the nursing process including nutrition and drug therapy

VNSG 1510 - Nursing in Health and Illness III

5 credit hours. 5 lecture hours. 1 lab hours.
Prerequisites: VNSG 1231, VNSG 1330, VNSG 1509, VNSG 1560, VNSG 2331.
Corequisites: VNSG 1119, VNSG 1138, VNSG 1334, VNSG 2561, ITSE 1294.
Continuation of Nursing in Health and Illness II. Further study of common medical-surgical problems of culturally diverse clients including concepts of mental illness. Content incorporates knowledge necessary to make the transition from the student role to the roles of the graduate vocational nurse as an integral component of the multi-disciplinary healthcare team.
Additional Fees: $16 $56.00 exit exam fee.
Measurable Learning Outcomes:
Compare and contrast normal physiology of body systems to pathologic variations in the patient with medical-surgical health problems; evaluate and treat patients with medical-surgical health problems using the nursing process including nutrition and drug therapy. Discuss concepts of mental illness; and utilize learned skills and knowledge for transition from student to graduate vocational nurse.

VNSG 1560 - Clinical-LVN-Training II Nurse

5 credit hours. 0 lecture hours. 20 lab hours.
Prerequisites: VNSG 1122, VNSG 1126, VNSG 1136,VNSG 1160, VNSG 1423, BIOL 2404.
Corequisites: VNSG 1231, VNSG 1330, VNSG 1509, VNSG 2331.
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professionals.
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

VNSG 2331 - Advanced Nursing Skills

3 credit hours. 2 lecture hours. 2 lab hours.
Prerequisites: VNSG 1122, VNSG 1126, VNSG 1136,VNSG 1160, VNSG 1423, BIOL 2404.
Corequisites: VNSG 1231, VNSG 1330, VNSG 1509, VNSG 1560.
Mastery of advanced level nursing skills and competencies to a diverse population in a variety of healthcare settings utilizing the nursing process as a problem solving tool. Laboratory experiences are required.
Additional Fees: $32
Measurable Learning Outcomes:
Demonstrate competency in advanced nursing skills; implement the steps in the nursing process and describe how each step relates to nursing care; and discuss the delivery of advanced nursing skills in a variety of health care settings.

VNSG 2561 - Clinical-LVN-training III

5 credit hours. 0 lecture hours. 20 lab hours.
Prerequisites: VNSG 1231, VNSG 1330, VNSG 1509, VNSG 1560, VNSG 2331.
Corequisites: VNSG 1119, VNSG 1138, VNSG 1334, VNSG 1510, ITSE 1294
This course is a health-related work-based learning experience that enables the student to apply specialized occupational theory, skills, and concepts. Direct supervision is provided by the clinical professionals.
Additional Fees: $16
Measurable Learning Outcomes:
As outlined in the learning plan, apply the theory, concepts, and skills involving specialized materials, tools, equipment, procedures, regulations, laws, and interactions within and among political, economic, environmental, social, and legal systems

associated with the occupation and the business/industry and will demonstrate legal and ethical behavior, safety practices, interpersonal and teamwork skills, and appropriate written and verbal communication skills using the terminology of the occupation and the business/industry.

Vocal Ensemble

MUEN 1141-1001 - Show Choir "Vocal Point"

1 credit hours. 0 lecture hours. 5 lab hours.

Open to any student by audition only. Rehearsal and performance of popular songs and music of the Broadway stage. Extensive performance opportunities including song and dance combinations. Maximum of 8 credits.

Notes:

Ensembles

All ensembles are open to all students regardless of major. Performing ensembles serve three distinct purposes: (1) they provide music majors with the ensemble participation necessary for successful completion of their music degree; (2) they provide those not majoring in music an enjoyable outlet, the experience of self-expression, and the social development that results from participation in a group activity; (3) they serve as valuable public relations agents for the College, and for this reason, students have the opportunity to travel and perform at a variety of functions. A great way to get involved at Temple College is to become a member of one of the performing ensembles. All music majors and minors are required to participate in a minimum of one major ensemble during each semester they are in residence. All ensembles may be repeated for credit. Maximum of 8 credits each.

MUEN 1142 - Chorale

1 credit hours. 0 lecture hours. 5 lab hours.

Open to any student by audition only. Designed to give participants a more challenging, stylized choral experience. Performs a wide variety of literature (including instrumental-choral), emphasizing the more difficult choral works. Presents concerts on campus and at various functions in the area. Maximum of 8 credits.

Measurable Learning Outcomes:

1. Knowledge of preparation and performance of appropriate standard repertoire.
2. Knowledge of appropriate standard literature.
3. Develop collaborative skills.

Notes:

Ensembles

All ensembles are open to all students regardless of major. Performing ensembles serve three distinct purposes: (1) they provide music majors with the ensemble participation necessary for successful completion of their music degree; (2) they provide those not majoring in music an enjoyable outlet, the experience of self-expression, and the social development that results from participation in a group activity; (3) they serve as valuable public relations agents for the College, and for this reason, students have the opportunity to travel and perform at a variety of functions. A great way to get involved at Temple College is to become a member of one of the performing ensembles. All music majors and minors are required to participate in a minimum of one major ensemble during each semester they are in residence. All ensembles may be repeated for credit. Maximum of 8 credits each.

MUEN 1143 - Swing Choir

1 credit hours. 0 lecture hours. 5 lab hours.

Open to any student by audition only. Rehearsal and performance of vocal jazz music from the 1930's through present. Will perform on and off campus. Maximum of 8 credits.

Measurable Learning Outcomes:

1. Knowledge of preparation and performance of appropriate standard repertoire.
2. Knowledge of appropriate standard literature.
3. Develop collaborative skills.

Notes:

Ensembles

All ensembles are open to all students regardless of major. Performing ensembles serve three distinct purposes: (1) they provide music majors with the ensemble participation necessary for successful completion of their music degree; (2) they provide those not majoring in music an enjoyable outlet, the experience of self-expression, and the social development that results from participation in a group activity; (3) they serve as valuable public relations agents for the College, and for this reason, students have the opportunity to travel and perform at a variety of functions. A great way to get involved at Temple College is to become a member of one of the performing ensembles. All music majors and minors are required to participate in a minimum of one major ensemble during each semester they are in residence. All ensembles may be repeated for credit. Maximum of 8 credits each.

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M.A., University of Mary Hardin-Baylor
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B.S., University of North Carolina
M.S. Boston University
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B.S., Texas A&M Corpus Christi
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Diagnostic Medical Sonography

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M.B.A., American Intercontinental University
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Emergency Medical Services Professions Department

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Respiratory Care Department

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B.Sc., Abertay University, Dundee, Scotland UK
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Learning Resources Division

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Liberal Arts Division

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B.A., Sam Houston State University
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M.S., Texas Christian University

Student and Enrollment Services Division

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M.S., Troy State University
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RUTH BRIDGES, Director, Student Life
A.A.S., Temple College
B.A., Huston-Tillotson College
M.A., Prairie View A&M University
PATRICK FINNEGAN, Coordinator, Veterans Affairs
A.S., Central Texas College
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M.S., American Technological University
JESSICA THOMPSON, VA Technician

Admissions and Records

TONI CUELLAR, Registrar
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Financial Aid

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VACANT, Specialist, Financial Aid

Testing Center

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WARREN HILLMAN, Specialist, Accounting Services
ANDY OLALDE, Cashier

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DAVID SIMEK, Master Trade Foreman, Carpenter

ALAN KENT, Master Trade Specialist
HOLLY THORNAL, Master Trades Foreman
LANCE ALSUP, Grounds
KENNETH FURST, Carpenter, Facilities Maintenance
LARRY WILEY, Grounds/Custodian
JACK EDWARDS, Maintenance Mechanic
KENNETH SCHNEIDER, Maintenance Assistant Technician
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JASON WILKINSON, Sergeant
JAMES BUCHANAN, Police Officer
MARY DIXON, Police Officer
MICHAEL GREEN, Police Officer
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B.A., American Public University
AMBER HOWELL, Police Officer
ISEN ISMAILI, Police Officer
GARY HALL, Police Officer (PT)
VACANT, Police Officer (PT)

GEORGE LYONS, Parking Attendant

Custodial

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Community Professors

Dental Hygiene Community Professors

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Periodontist
Jennifer Banton, RDH, BSDH
Texas Missions of Mercy, Burnet ISD Dental Hygienist
Dr. Thomas Barker, DDS
Periodontist
Donald Chiles, DDS, MS
Oral Maxillofacial Surgeon

William Cain, DDS, MD
Oral Maxillofacial Surgeon
Todd Evans, DDS, MD
Oral Maxillofacial Surgeon
William Frick, DDS, MS
Oral Maxillofacial Surgeon
Lance Read, DDS, MD
Oral Maxillofacial Surgeon
Sandy Tesch, RDH, MSHP
Public Health Dental Hygienist
Rick Henry, DDS
General Dentist
Gerald McConnell, DDS
Orthodontist
Phoebe Melville, RDH
General Dental Hygienist
Audra Morris
Dental Auxiliary Service
Laura Redfern
Investment Advisor
David Reeves, DDS
Periodontist
Deborah Stephens, DDS
General Dentist
David Tullis, DDS
General Dentist
Carol Van Der Stoep, RDH, BS
Nutrition Lecturer
Dr. Scott Warren, DDS, MD
Oral Maxillofacial Surgeon

Emergency Medical Services Community Professors

ROBERT D. GREENBERG, M.D., F.A.C.E.P.
B.S. Northeast Louisiana University
M.D., Louisiana State University Medical Center
Emergency Medicine Residency, University of Cincinnati Hospital
JEFF JARVIS, M.D., EMT-P
B.A., Texas A&M University
M.S., New York Medical College
M.D., University of Texas
Medical Branch at Galveston
Emergency Medicine Residency, Scott and White Hospital
TAYLOR RATCLIFF, M.D., EMT-P
Medical Director,
EMS Professions
B.S., Texas Tech University
M.D., Texas Tech University
Emergency Medicine Residency, Scott and White Hospital

Nursing Community Professors

Alisha Henn, RN
Belton Independent School District
Kellie Pischotta, RN
Belton Independent School District

Mindy Woodin, RN
Belton Independent School District
Tara England, RN
Belton Independent School District
Evie Miller, RN
Belton Independent School District
Cindy Berg, RN
Belton Independent School District
Sandy Wright, RN
Belton Independent School District
Amy Dieterman, RN
Scott & White Healthcare
Barbara Smith, RN
Scott & White Healthcare
Becky Jett, RN
Scott & White Healthcare
Marie Powers, RN
Scott & White Healthcare
Cathy Boniface, RN
Scott & White Healthcare
Lori Pace, RN
Scott & White Healthcare
Erin E. Todd, RN
Scott & White Healthcare
Stacy Lynn Wilhite, RN
Scott & White Healthcare
Mary Hunking, RN
Scott & White Healthcare
Ricky Hunter, RN
Scott & White Healthcare
Mary Elizabeth Pugh, RN
Scott & White Healthcare
Tiffany Wheless-Armstrong, RN
Scott & White Healthcare
Teresa Stuchl, RN
Scott & White Healthcare
Julia Parks, RN
Scott & White Healthcare
Kara Feder, RN
Scott & White Healthcare
Donna Marie Bates, RN
Scott & White Healthcare
Debra Crowell, RN
Scott & White Healthcare
Stephanie Lawhorn, RN
Scott & White Healthcare
Jessica Ann McGinnis, RN
Scott & White Healthcare
Kristin Henson, RN
Scott & White Healthcare
Richard McBride, RN, FNP
Scott & White Healthcare
Melanie Lillard, RN
Scott & White Healthcare

Barbara Cole, RN
Scott & White Healthcare
Angela Renee Gentry, RN
Scott & White Healthcare
Robyn Figueroa, RN
Scott & White Healthcare
Michele Carter, RN
Scott & White Healthcare
Kathryn Dawb Bircher, RN
Scott & White Healthcare
Patricia Oakley, RN
Scott & White Healthcare
Phyllis Tupper, RN
Scott & White Healthcare
Stephanie Glasgow, RN
Scott & White Healthcare
Veronica Grand, RN
Scott & White Healthcare
Shannon M. Willis, RN
Scott & White Healthcare
Jennifer A. Foster, RN
Scott & White Healthcare
Tammy Prater, RN
Scott & White Healthcare
Marian Gustafson, RN
Scott & White Healthcare
Barbara Buckles, RN
Scott & White Healthcare
Gerald W. Caldwell, RN
Scott & White Healthcare
Jessica Booth, RN
Scott & White Healthcare
Candace D. Plemmons, RN
Scott & White Healthcare
Lynn Wolfe, RN
Scott & White Healthcare
Robyn Evans Smith, RN
Scott & White Healthcare
James Mendenhall, RN
Scott & White Healthcare
Traci Willenborg, RN
Scott & White Healthcare
Darla Lowe, MD
Temple Community Clinic
Maybelline Lezama, MD
Temple Community Clinic
Carol Morris, RN
Scott & White Healthcare
Lisa Brown, RN
Scott & White Healthcare
Mary Ellen Welch, RN
Scott & White Healthcare
Lindsay Broussard, RN
Scott & White Healthcare

Monica Brockett, RN
Scott & White Healthcare
Kimberly Ann Albers, RN
Scott & White Healthcare
Jeanette Woods Penland, RN
Scott & White Healthcare
Erica Wold, RN
Scott & White Healthcare
Patty Caplinger, RN
Scott & White Healthcare
Patricia Hagan, RN
Scott & White Healthcare
Lois Ingram, RN
Scott & White Healthcare
Rebecca Palmisano, RN
Scott & White Healthcare
Gayla Herschler, RN
Scott & White Healthcare
Jennifer Havens, RN
Scott & White Healthcare
Diane Crystal Flores, RN
Scott & White Healthcare
Kathleen Adams, RN
Scott & White Healthcare
Keri Van Rossun, RN
Scott & White Healthcare
Jane Montgomery, RN
Scott & White Healthcare

Respiratory Care Community Professors

CRISSY KELLEY, RRT
Staff Therapist
Coryell Memorial Hospital

MARY JANE PLAZOLA, RRT
Staff Therapist
Coryell Memorial Hospital

PAUL RAMBEAU, RRT
Director, Cardiopulmonary
Coryell Memorial Hospital

MELONY ALFORD, RRT
Clinical Coordinator
Metroplex Adventist Hospital

NIA AMOS, RRT
Staff Therapist
Metroplex Adventist Hospital

ZULMA GONZALEZ, CRT
Staff Therapist

Metroplex Adventist Hospital

STEVE HAVARD, RRT
ER Therapist
Metroplex Adventist Hospital

MARY WILKINS, CRT
Staff Therapist
Metroplex Adventist Hospital

TIFFANY WOLF, RRT
Staff Therapist
Metroplex Adventist Hospital

NANCY ANDERSON, CRT
Staff Therapist
St. David's Georgetown Hospital

DOMINIC DEKERETRY, MD
Pulmonary Staff Physician
St. David's Georgetown Hospital

GARY DENT, RN, MBA, CCRN
Manager, ICU & Respiratory Therapy
St. David's Georgetown Hospital

ESTHER FIELDS, MD
Pulmonary Staff Physician
St. David's Georgetown Hospital

MILES OAKLEY, RRT
Staff Therapist
St. David's Georgetown Hospital

BRIAN GARCIA, RRT
Staff Therapist
St. David's Georgetown Hospital

JOSE OCEGEURA, RRT
Staff Therapist
St. David's Georgetown Hospital

BIBIN PHILIPOSE, RRT
Staff Therapist
St. David's Georgetown Hospital

JETINA BINGHAM, CRT
Staff Therapist
St. David's Round Rock Medical Center

LYNN CASTORENA, RRT
Manager Cardiopulmonary
St. David's Round Rock Medical Center

SHARON CRANK, RRT
Staff Therapist
St. David's Round Rock Medical Center

STEPHANIE DAVIS, RRT
Staff Therapist
St. David's Round Rock Medical Center

BETH DOLAN, CRT
Staff Therapist
St. David's Round Rock Medical Center

DELIA GONZALEZ, RRT
Staff Therapist
St. David's Round Rock Medical Center

RACHAEL HUMMER, RRT
Staff Therapist
St. David's Round Rock Medical Center

KIM NELSON, RRT
Staff Therapist
St. David's Round Rock Medical Center

JAMI SEWALSON, RRT
Staff Therapist
St. David's Round Rock Medical Center

CRYSTAL ANDERSON, RRT
Staff Therapist
Continuing Care Hospital
Scott & White

ANGELA BRUNAUGH, RRT
Staff Therapist
Continuing Care Hospital
Scott & White

LADONNA KELLEY, RRT
Staff Therapist
Continuing Care Hospital
Scott & White

VICTOR LANDEROS, RRT
Staff Therapist
Continuing Care Hospital

Scott & White

BRENDA PRYZBILSKI, RRT
Staff Therapist
Continuing Care Hospital
Scott & White

MELISSA VRISENO, RRT
Staff Therapist
Continuing Care Hospital
Scott & White

JAMES BARKER, MD
Pulmonary Staff Physician
Chairman, Temple College
Respiratory Care Advisory Committee
Scott & White

CARL BOETHEL, MD
Pulmonary Staff Physician
Director, Division of Pulmonary,
Critical Care and Sleep Medicine
Scott & White

TANYA FOSTER, RRT
Team Leader
Scott & White

Cara Gott, RRT
Coordinator, Respiratory Care Services
McLane Children's Hospital
Scott & White

VIRGINIA KELSEY, RRT
Staff Therapist
Scott & White

THERESA McINTYRE, RRT
Staff Therapist
Scott & White

SHAD PELLIZZARI, RRT
Director, Respiratory Care Services
Scott & White

SARAH PEREZ, RRT
Team Leader
Scott & White

WILLIAM PETERSEN, MD

Medical Director,
Temple College Department of Respiratory Care
Pulmonary Staff Physician
Scott & White

CHRISTOPHER SPRADLEY, MD
Pulmonary Staff Physician
Scott & White

COLLEEN STRAHAN, RRT
Team Leader
Scott & White

ANGELA WALLIS, RRT
Education Coordinator
Respiratory Care
Scott & White

PETER YAU, MD
Medical Director,
Scott & White Department of Respiratory Care
Pulmonary Staff Physician
Scott & White

KIM PURSER, RRT
Staff Therapist
Scott & White Healthcare
Round Rock

JEREMY SMITHERMAN, RRT
Manager Respiratory Care
Scott & White Healthcare
Round Rock

CHARLES TEAGUE, RRT
Supervisor, Respiratory Care
Scott & White Healthcare
Round Rock

JAMES SUTTON, CRT
Staff Therapist
Scott & White Healthcare
Round Rock

ARMANDO SERRANO, BS, RRT
Staff Therapist
Scott & White Healthcare
Round Rock

SALOME MALONEY, CRT

Staff Therapist
Scott & White Healthcare
Round Rock

DENISE ARCE-MILLER, RRT
Staff Therapist
Seton Dell Children's Hospital

ADAM CAREY, RRT
Supervisor, Cardiopulmonary
Seton Dell Children's Hospital

KIMBERLY ESTAVILLO, BS, RRT-NPS
Director, Cardiopulmonary
Seton Dell Children's Hospital

ANGELA FAXLANGER, RRT
Staff Therapist
Seton Dell Children's Hospital

WAYNE HARRIS, RRT
Staff Therapist
Seton Dell Children's Hospital

LEON JACOBS, RRT-NPS
Staff Therapist
Seton Dell Children's Hospital

DAVID MIEHER, RRT-NPS
Staff Therapist
Seton Dell Children's Hospital

MARC MARMOLEJO, RRT-NPS
Staff Therapist
Seton Dell Children's Hospital

JAMI O'BRIEN, RRT-NPS
Staff Therapist
Seton Dell Children's Hospital

ROBYN McCRACKEN, RRT
Staff Therapist
Seton Dell Children's Hospital

ROSS ROBBINS, RRT
Staff Educator
Seton Dell Children's Hospital

JENA BARHO, BS, RRT
Staff Therapist

Seton Medical Center
Williamson

DAVID GARZA, RRT
Manager, Cardiopulmonary
Seton Medical Center
Williamson

TIFFANY LEONARD, RRT
Staff Therapist
Seton Medical Center
Williamson

JUDITH PALUMBO, RRT
RT Supervisor
Seton Medical Center
Williamson

Surgical Technology Community Professors

DON CRUM, R.N.
Operating Room Staff Nurse
Central Texas Veterans' Health Care System
Louis Doubleday, RN
Special Procedures Nurse Manager
Surgical Technology Preceptor
Metroplex Hospital
Esperanza McDade, CST
Central Service/Instrument Processing Manager
Surgical Technology Preceptor
Scott & White Hospital
Cassandra Martin, CST
Surgical Technology Instructor
Surgical Technology Department
Stephanie Roberts, CST, RN
Surgical Services Nurse Manager
Metroplex Hospital
Jorge Lopez, CST
Surgical Technology Preceptor
Metroplex Hospital
Sue Patton, CST
Central Service/Instrument Processing Manager
Surgical Technology Preceptor
Metroplex Hospital

Emeriti

K. LOUISE BARTEK	Nursing	1988-2001
ROSE ANNE BRASHER	Director of Library Services	1956-1995
LEIGH BOYD	Division Director, Liberal Arts	1988-2005
BETTY I. BUFORD	Psychology	1974-1989
KATIE BURROWS	Department Chair, Bio-Technology	2005-2011

ESTHERBELL CAESAR	English	1972-2001
WELDON G. CANNON	History	1967-1991
HENRY CASTILLO	English	1976-2013
STANLEY W. CHURCHILL	Dean, Vocational and Technical Education	1967-1988
GLADYS COBB	Nursing	1996-2001
A. D. COURTNEY	Medical Record Technology	1973-1986
WAYNE CRISWELL	Vice President, Administrative Services	1993-2010
ROWE ANN DURANT	Mathematics	1966-1986
HARRY C. FARRELL, JR	Dean of College	1961-1981
MARY D. FARRELL	History	1966-1986
ODIE FAULK	History	1991-1995
MARVIN FELDER	President	1973-1995
PERCY A. FRANCIS	Vice President for Business Services	1973-1993
ANN FRAZIER	Computer Information Systems	1961-1988
JAMES GRANGER	Physics	1999-2009
ANNETTA GRIFFIN	Chemistry	1964-1991
DOROTHY HARRISON	Business Administration	1973-1987
GWEN HAUK	Vice President of Educational Services	1970-2004
PRISCILLA HEARD	Music	1974-1988
TERESA HEEMSBERGEN	Nursing	2008-2011
LARRY HENNIG	Phed/Softball Coach	1998-2010
BILL HERMON	Business and Management	1968-2001
MELVA HOBBS	Business Administration	1967-1996
SUSAN HOWE	Director, College Communications	1976-2010
TAWNY LAMB	Computer Information Systems	2000-2013
PATRICIA BELL-LANFORD	English	1989-2001
RONALD RAY LANFORD	Director, Distance Education	1986-2006
VIRGINIA LEAK	Nursing	1980-2007
CAROL JEAN LEWIS	Business Administration	1979-1992
WILMA LEWIS	English	1964-1991
BENJAMIN LILES	Biology	1994-2004
KENT MACDOUGALL	Mathematics	1975-2008
NORMA MAEDGEN	Dental Hygiene	1996-2011
BOBBIE MARSHALL	Sociology	1970-1994
WILLIAM MATUSH	Director of Student Union	1968-1988
JOHN MEHARG	Economics	1964-1996
MARLIN MOSLEY	Business	1999-2007
MARC A NIGLIAZZO	President	1995-2008
ANNE P. NEWTON	Biology	1947-1994
GLENDA PARKER	Nursing	1976-2006
WALT PAUL	Vice President for Academic and Student Affairs	1974-1996
CAROL REINKING	Surgical Technology	1983-2008
ROBERT SCHLIEKER	Chemistry	1969-2001
CHARLES SCHLIEPER	Electronics Technology	1979-1996
KAY SCHLIEPER	Computer Information Systems	1980-2000
DANNY J. SCOTT.	Health and Physical Education	1965-1996
JANICE SHANAHAN	Nursing	1987-1992
ELIZABETH SILVERTHORNE	English	1966-1979
CHARLOTTE SIMPSON	Mathematics	1986-2000
PAT SIMPSON	Biology	969-2000
PATRICIA SMITH	Director, Workforce Development	1978-2005
SHIRLEY SOMMER	Business Administration	1968-1996
AMY SMITH	Art	1985-2007
SARAH NELL SUMMERS	Music	1983-2007

JAMES VAN NESS	Dean of Instruction	1982-2000
HAL WARD	Division Director, Business and Management	1977-2009
FRANK WARREN	Manufacturing Technology	1977-1998
BILLYE WEAVER	Department Chair, Medical Lab Technology	1983-2005
CARLYE WEBER	Business	2001-2011
GLENN WEBSTER	Radio and TV	1967-1991
MICHAEL WHITE	History	1982-2011
HAROLD WHITTINGTON	Government	1965-1990
WILLIAM WILLIS	Physical Education	1978-2004
JAMES WININGER	Respiratory Care	1979-2007