



# ***Wharton County Junior College***

***Start Smart and Connect to Your Success!***

**COLLEGE CATALOG 2014-2015**







## President's Welcome

Welcome to Wharton County Junior College! Since our founding in 1946, we've grown to have four campuses and two extension centers. Our service area offerings include dual credit and concurrent enrollment. In addition to our many associate degrees and certificate programs we offer a variety of online learning. Always constant is our commitment to our students. Not only do we offer you the chance to *Start Smart* with affordable tuition, we also make sure there are plenty of opportunities to give you support.

WCJC's small classes allow you to ask questions and receive one-on-one help from your instructors. It always gives me great pride to hear our students talk about how their instructors supported them and gave them the confidence to fulfill their dreams. WCJC has outstanding faculty and staff members. I encourage you to get to know them.

Face-to-face tutoring is available at our Learning Assistance Centers on the Wharton, Sugar Land, and Richmond campuses. An online tutoring service is accessible anytime and even includes one-day feedback on your writing assignments. If you're taking science, technology, engineering, and math classes, avail yourself of the resources at our STEM Success Center, located in the library on the Wharton campus.

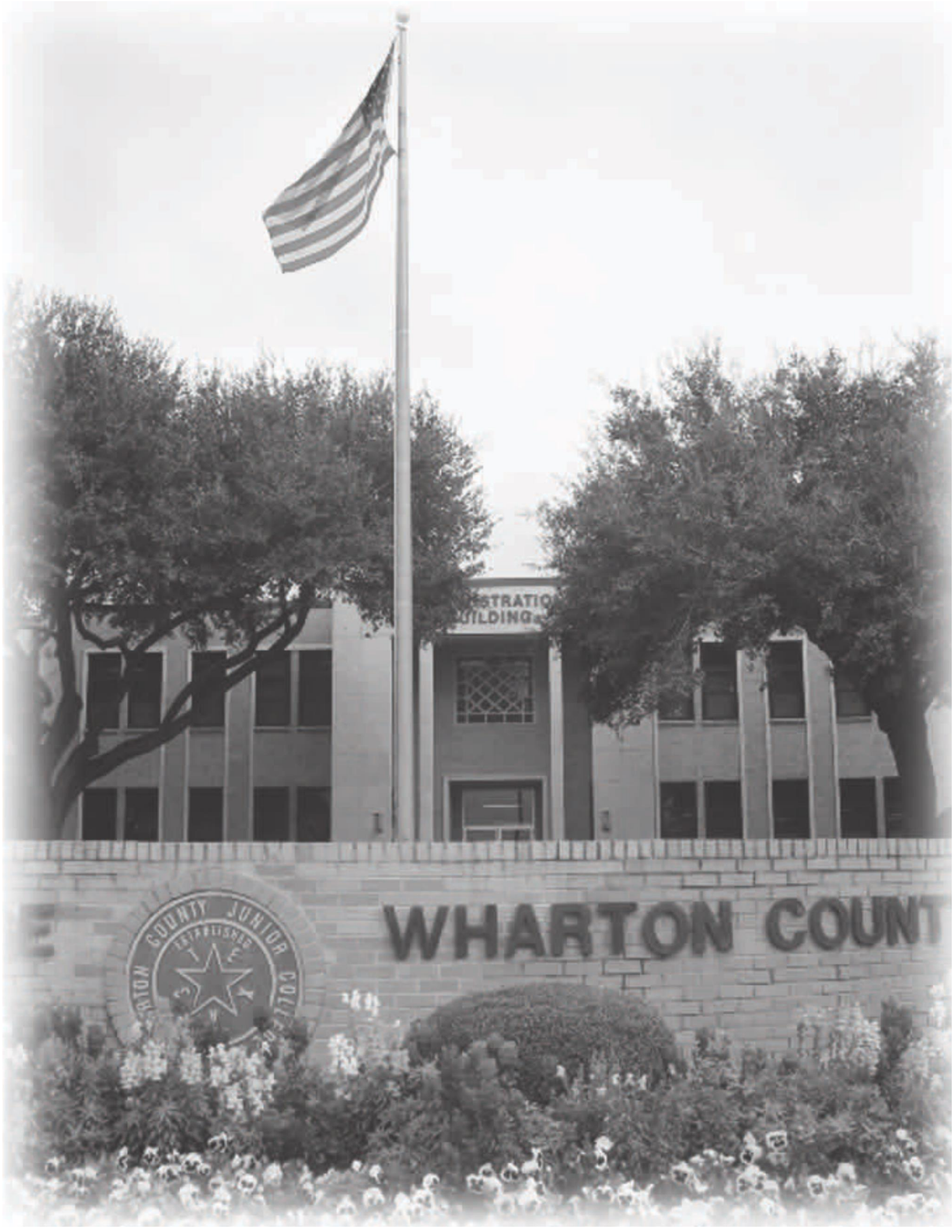
Finally, take advantage of our seminars and other support services. To learn more, visit the college website and read your *WCJC Student e-Mail* messages.

Whether you're enrolled in a degree program, seeking a certificate, taking classes to find your calling, or updating your job skills with workforce training, seize this educational opportunity. Make new friends. Participate in intramural sports. Join one of our many student clubs and organizations. Cheer for the Pioneers at the volleyball matches, baseball games, and rodeo competitions. Enjoy great performing arts and visual art shows. Always remember that we're here to help you succeed!

All the best!

A handwritten signature in cursive script that reads "Betty A. McCrohan".

Betty A. McCrohan  
President









**Wharton County  
Junior College**

911 Boling Highway ~ Wharton, Texas 77488  
979-532-4560

# College Catalog No. 69

## 2014-2015

**WCJC GUARANTEE:** Wharton County Junior College guarantees that WCJC students who are planning to transfer to a four-year university to pursue a bachelor's degree will be able to transfer their academic credit courses to all state-supported colleges and universities in Texas. If a student takes courses according to the conditions of this guarantee, and he or she is not accepted at a state-supported college or university of Texas, Wharton County Junior College will offer alternate courses that are acceptable, tuition free.

Wharton County Junior College guarantees students of WCJC who complete a technical/vocational program will acquire the necessary job skills for entry-level employment in their field of study. If the employer decides that a completer lacks the entry-level job skills in the occupational field in which he or she has been trained, Wharton County Junior College will provide additional skill training, tuition free.

This catalog is intended as a description of those programs and activities offered at Wharton County Junior College. The college reserves the right to select from the courses listed in the catalog that can be offered during any session. Further, WCJC reserves the right to change any regulations without previous notice. Not all courses listed in this catalog are offered each semester. A printed version of the class schedule listing courses offered is published by WCJC and schedules are also available online at [www.wcjc.edu](http://www.wcjc.edu).

Wharton County Junior College is an equal opportunity institution. It does not discriminate against any person in its employment, personnel relations, admission or services because of the person's age, race, color, religion, sex, place of national origin, or handicap. The college complies with provisions of Title VI of the Civil Rights Act of 1964 (P.L. 88-352), Title IX of the Education Amendments of 1972 (P.L. 92-318), Section 504 of the Rehabilitation Act of 1973 (P.L. 93-112), and Title II of the Americans with Disabilities Act of 1990 (P.L. 1010-336). Any allegations of violation(s) should be brought to the attention of the Affirmative Action Officer.

# College and Program Accreditation

## Wharton County Junior College is:

### **ACCREDITED BY:**

The Southern Association of Colleges and Schools Commission on Colleges (SACSCOC) to award the  
Associate Degree  
SACSCOC  
1866 Southern Lane  
Decatur, Georgia 30033-4097  
(404) 697-4500

### **APPROVED BY:**

Texas Education Agency (TEA)

Texas Higher Education Coordinating Board (THECB) has approved college/university parallel offerings and programs in technical education.

The Texas Veterans Commission has approved programs for veteran educational benefits.

### **PROGRAM ACCREDITATIONS BY:**

Texas Board of Nursing (BON) – Associate Degree Nursing

Texas Department of Licensing – Cosmetology

Commission on Dental Accreditation (CODA) – Dental Hygiene

Commission on Accreditation of Allied Health Education Programs (CAAHEP) – Emergency Medical Services

Texas Commission on Fire Protection – Fire Academy

Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM) –  
Health Information Technology

Texas Board of Nursing (BON) – Licensed Vocational Nursing

Commission on Accreditation of Physical Therapy Education – Physical Therapy Education

Texas Commission on Law Enforcement Officer Standards and Education (TCLEOSE) – Police Academy

Joint Review Committee on Education in Radiologic Technology – Radiologic Technology

Commission on Accreditation of Allied Health Education Programs – Surgical Technology

National Association for the Education of Young Children Early Childhood Associate Degree Accreditation  
(ECADA) – Early Childhood/Child Development

Council for Standards in Human Service Education (CSHSE) – Human Services



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# WCJC Services Directory

<b>Office of Admissions and Registration</b>	Wharton Campus	(979) 532-6303
	Sugar Land Campus	(281) 243-8447
	Richmond Campus	(281) 239-1544
	Bay City Campus	(979) 244-4552
<b>Office of Adult Basic Education</b>		(979) 532-6301
<b>Office of Continuing Education</b>		(281) 239-1531
<b>Office of Distance Education</b>		(979) 532-6336
<b>Office of Financial Aid</b>		(979) 532-6345
<b>Office of Student Services (Wharton)</b>		(979) 532-6388
<b>Director of Academic Advising &amp; Counseling</b>		(281) 243-8422
	Counselor/Advisor – Sugar Land Campus	(281) 243-8414
	Counselor/Advisor – Richmond Campus	(281) 239-1527
	Counselor – Wharton Campus	(979) 532-6441
	Academic Advisor – Wharton Campus	(979) 532-6918
	ADA Coordinator – Wharton Campus	(979) 532-6384
<b>Office of Testing (Wharton)</b>		(979) 532-6386
	Testing Assistant – Sugar Land Campus	(281) 243-8434
	Testing Assistant – Richmond Campus	(281) 239-1532
<b>Office of IT Help Desk</b>		(979) 532-6568



# *Academic Calendar*

## *Regular Terms, 2014 - 2015*

### Fall Semester, 2014

Course lengths may vary; it is imperative that students verify the start and end dates of each individual course in which they are enrolled during the Fall semester. Courses may be offered in 5 week, 8 week, 14 week, or 16 week formats.

Exact dates classes begin and end, drop days and last days for refunds are all listed on the college website, [www.wcjc.edu](http://www.wcjc.edu), on the webpage titled "Catalogs and Schedules".

Deadline for Guaranteed Financial Aid Processed for Fall Semester	June 4
Registration for Fall 2014	July 11 – August 24
New Student Orientation (check WCJC website for dates and times at each campus)	June/July
Faculty and Staff Official Opening Day of Semester	August 18
*Final Registration	August 20 – 24
College Convocation 9:00 a.m.	August 22
Cafeteria and Dormitories Open (check WCJC website for times)	August 24
<b>16 Week and First 8 Week Classes Begin</b>	<b>August 25</b>
**Schedule Changes <b>ONLY</b> (no new student registration during this time)	August 25 – 26
Saturday Classes Begin	August 30
Labor Day Holiday Observed (no classes; offices and library closed)	September 1
<b>14 Week Classes Begin</b>	<b>September 8</b>
Official Census Date (16 week classes ONLY)	September 10
Constitution Day Observed (classes meet as scheduled)	September 17
Mid-Semester	October 17
<b>Second 8 Week Classes Begin</b>	<b>October 20</b>
Last Day to Drop 16 Week Classes ONLY with Grade of "W"	November 20
Thanksgiving Holiday Begins at 4:00 p.m. (offices, library, cafeteria and dormitories close) <b>All Wednesday classes will meet regardless of class time</b>	November 26
Dormitories Open (check WCJC website for times)	November 30
Thanksgiving Holiday Ends, Classes Resume	December 1
Final Exams and Book Buy-Back at Bookstore (day classes continue through 12/05) Thursday Night Only Classes 12/04 Friday Night Only Classes 12/05 Saturday Classes/Internet Classes/Weekend College 12/06 MWF Classes 12/08, 12/10 TR Classes 12/09, 12/11	December 4 – 11
Grades Are Due No Later Than Noon	December 12
Cafeteria and Dormitories Close After Lunch	December 12
<b>Semester Ends</b>	<b>December 12</b>
Winter Break (offices and library closed)	December 15 – January 2
<b>Winter Mini-Term Begins, 8:00 a.m.</b> **Schedule Changes First Day of Class ONLY No Classes Christmas Eve, Christmas Day and New Year's Day (12/24, 12/25, 01/01)	<b>December 15</b>
Winter Mini Finals	January 2
Grades Are Due No Later Than Noon	January 5

\*Final Registration Fee \$25 (will be assessed 24 hours after registration)

\*\*Schedule Changes Fee \$15 (will be assessed at time of schedule change)

## Spring Semester, 2015

Course lengths may vary; it is imperative that students verify the start and end dates of each individual course in which they are enrolled during the Spring semester. Courses may be offered in 5 week, 8 week, 14 week, or 16 week formats.

Exact dates classes begin and end, drop days and last days for refunds are all listed on the college website, [www.wcjc.edu](http://www.wcjc.edu), on the webpage titled "Catalogs and Schedules".

Registration for Spring 2015	October 31 – January 19
College Offices Reopen	January 5
Faculty and Staff Official Opening Day of Semester	January 12
*Final Registration	January 14 – 19
College Convocation 9:00 a.m.	January 16
Cafeteria and Dormitories Open (check WCJC website for times)	January 19
Martin Luther King Holiday (no classes; offices and library closed)	January 19
<b>16 Week and First 8 Week Classes Begin</b>	<b>January 20</b>
**Schedule Changes <b>ONLY</b> (no new student registration during this time)	January 20 – 21
Saturday Classes Begin	January 24
<b>14 Week Classes Begin</b>	<b>February 2</b>
Texas Community College Teachers Association Convention (TCCTA – no classes)	February 20
Cafeteria and Dormitories Close (check WCJC website for times)	March 6
Spring Break Begins at 8:00 a.m. (offices and library closed) <b>Saturday classes will meet on March 7 but not on March 14</b>	March 9
Dormitories Open (check WCJC website for times)	March 15
Spring Break Ends, Classes Resume	March 16
University Interscholastic League (UIL – student holiday, no classes)	March 27
Mid-Semester	March 20
<b>Second 8 Week Classes Begin</b>	March 23
Last day to Submit Application for May Graduation	April 1
Easter Holiday Begins at 4:00 p.m. (offices, dormitories and library close) <b>All Wednesday classes will meet regardless of class time</b>	April 1
Dormitories Open (check WCJC website for times)	April 5
Easter Holiday Ends, Classes Resume	April 6
Last Day to Drop 16 Week Courses ONLY with Grade of "W"	April 24
Final Examinations and Book Buy-Back at Bookstore (day classes continue through 05/08) Thursday Night Only Classes 05/07 Friday Night Only Classes 05/08 Saturday Classes/Internet Classes/Weekend College 05/09 MWF Classes 05/11, 05/13 TR Classes 05/12, 05/14	May 7 – 14
Grades Are Due No Later Than Noon	May 15
Cafeteria and Dormitories Close (check WCJC website for times)	May 15
<b>Semester Ends</b>	<b>May 15</b>
<b>Commencement</b>	<b>May 16</b>

\*Final Registration Fee \$25 (will be assessed 24 hours after registration)

\*\*Schedule Changes Fee \$15 (will be assessed at time of schedule change)



## Summer Sessions, 2015

Course lengths may vary; it is imperative that students verify the start and end dates of each individual course in which they are enrolled during the summer terms. Courses may be offered in 5 week, 8 week, 10 week, 12 week, or 15 week formats.

Exact dates classes begin and end, drop days and last days for refunds are all listed on the college website, [www.wcjc.edu](http://www.wcjc.edu), on the webpage titled "Catalogs and Schedules".

Registration for All Summer Classes	April 1 – July 14
<b>May Mini-Term Begins, 8:00 a.m. (no late registration)</b> **Schedule Changes First Day of Class ONLY	<b>May 18</b>
No Classes Memorial Day (05/25)	
Final Examinations and Book Buy-Back at Bookstore	June 3
Grades Are Due No Later Than Noon	June 4
<b>First 5 Week Classes Begin</b> **Schedule Changes First Day of Class ONLY	June 8
Independence Day Holiday Observed (no classes; offices and library closed)	July 3
Final Examinations and Book Buy-Back at Bookstore	July 9
Grades Are Due No Later Than Noon	July 10
<b>Second 5 Week Classes Begin</b> **Schedule Changes First Day of Class ONLY	<b>July 13</b>
Final Examinations and Book Buy-Back at Bookstore	August 13
Grades Are Due No Later Than Noon	August 14
<b>Semester Ends</b>	<b>August 14</b>

\*\*Schedule Changes Fee \$15 (will be assessed at time of schedule change)

*In the event that unforeseen circumstances necessitate the cancellation of classes, the classes missed will be made up on Saturdays and/or holidays or by extension of the college calendar.*

# About Wharton County Junior College

## STATEMENT OF MISSION

Wharton County Junior College is a public, two-year, comprehensive community college offering a wide range of postsecondary educational programs and services including associate degrees, certificates, continuing education courses, cultural affairs, and leisure-time activities for the benefit of the community and a population of students that varies in age, background, and ability.

The college affords opportunities for individual growth and expression and promotes the development of the total person through scholarly and creative activity and the application of knowledge for the good of society. Its curricular and co-curricular activities lay a foundation for lifelong learning and involved citizenship and encourage the pursuit of knowledge, innovation, experimentation, and excellence in human endeavor. It prepares students for entry-level positions, for advancement in various occupations and professions, for a broad understanding of the liberal arts and sciences, and for transfer to baccalaureate granting institutions.

In fulfilling its mission, the college:

1. Offers associate of arts, associate of arts in teaching, and associate of applied science degrees.
2. Offers transfer curricula in preparation for the baccalaureate degree.
3. Offers career/vocational curricula leading to certificates and associated degrees.
4. Offers remedial and developmental courses and services, as well as adult basic education, to assist under prepared students to achieve competency in basic skills and thus gain access to college-level programs.
5. Supports excellence in instruction in all academic areas by the encouragement of faculty professional development for the improvement of teaching and learning through innovative teaching methodologies, research and public service.
6. Provides library and other instructional resources as integral parts of the educational process.
7. Supports students in the learning process through counseling and academic advising.

8. Offers continuing-education, non-credit, courses and programs to meet the needs of business, industry, government, and the community-at-large, and to contribute to the economic development of its service region.
9. Provides varied cultural opportunities, recreational activities, and community services to enhance the quality of life in its service region.
10. Actively cooperates with school districts, vocational-technical schools, other colleges, and universities to promote a more productive educational environment within its service region.

Wharton County Junior College is an institution that emphasizes personal attention to students, innovation and flexibility in its credit and non-credit offerings, and responsiveness to the diversity of communities it serves. The college is dedicated to providing an educational environment that recognizes individuality, stresses the importance of human relationships, and reflects the democratic values of our society.

*Approved by the WCJC Board of Trustees  
September 20, 2005*

## HISTORICAL SKETCH

- 1944 Wharton County leaders, members of a Post-War Planning Committee, conceived the idea of Wharton County Junior College.
- 1945 A County Junior College Committee was formed and citizens approved a 20-cent tax.
- 1946 On April 6, voters of Wharton County created the Wharton County Junior College district and elected the first Board of Trustees:
- |   |  |
|---|--|
| F.J.L. Blasingame<br>(Chair), Wharton   | Donald M. Duson (Vice-Chair), El Campo |
| J.R. Peace (Secretary),<br>East Bernard | Harold Hansen,<br>Danevang             |
| Richard E. Meek,<br>Louise              | Lottie N. Mullins, Boling              |
| Carl N. Reynolds,<br>Glen Flora         |  |

In September, classroom instruction began with approximately 200 students housed in five Wharton County Fairground buildings, located at the corner of Boling Highway and Alabama Road. John Milton Hodges became the president of the college.

- 1948 On June 7, Wharton County voters approved a \$600,000 tax bond to acquire permanent college facilities.

- Friends of the college donated a 20-acre site at Boling Highway and Alabama Road for campus construction.
- 1954 Congressman Clark Thompson visited the campus.
- Playwright Horton Foote consulted with drama students on the production of *The Rocking Chair*.
- 1954 The Wharton County Junior College Foundation was formed.
- 1962 Travis M. McKenzie became president of Wharton County Junior College.
- 1966 Theodore Nicksick, Jr. became president of Wharton County Junior College.
- 1967 College officials purchased the Wharton County Fairground for campus expansion.
- 1968 Congressman George Bush visited the Wharton campus.
- 1969 Congressman Jake Pickle visited the Wharton campus.
- 1970 On July 18, voters extended the boundaries of the Wharton County Junior College District to include the Needville Independent School District and a Needville resident was appointed to the Board of Trustees, increasing Board membership to eight.
- 1974 CBS Newsman, Dan Rather, spoke to Wharton County Junior College students.
- 1980 Wharton County Junior College began offering day classes in Richmond/Rosenberg at B.F. Terry High School.
- 1983 Wharton County Junior College opened a satellite campus in Richmond.
- 1984 Elbert C. Hutchins became president of Wharton County Junior College.
- 1985 Wharton County Junior College, with funds provided by The George Foundation, purchased land for a permanent campus in Richmond/Rosenberg.
- 1990 Wharton County Junior College opened a campus in Sugar Land.
- 1994 Frank Robert Vivello became president of Wharton County Junior College.
- Wharton County Junior College began offering classes at the Marine Education Center in Palacios.
- 1996 The LaDieu Technology Center opened on the Wharton campus.
- Wharton County Junior College joined forces with the University of Houston and Houston Community College System to open a multi-institution teaching center at

the Sugar Land CentraPlex.

- The Board of Trustees approved the purchase of the Sugar Land CentraPlex building.
- 1999 The Wharton County Junior College Bay City Technical Education Center opened at the Testengeer Building to house the college's Process Technology program.
- 2000 Playwright Horton Foote visited the college to speak with drama students as the Fine Arts Department presented *A Year of Horton Foote*.
- 2001 Betty A. McCrohan became president of Wharton County Junior College.
- The WCJC Fort Bend Technical Center (FBTC) campus opened in Richmond.
- 2002 Congressman Ron Paul visited the Wharton campus.
- 2005 Wharton County Junior College's service area expanded to include Sugar Land and its extraterritorial jurisdiction.
- Congressman Tom DeLay visited the WCJC Fort Bend Technical Center.
- 2007 Wharton County Junior College opened a campus in Bay City.
- 2009 Wharton County Junior College relocated its existing Sugar Land campus to a new campus on-site together with the University of Houston System at Sugar Land.

## WCJC TODAY

Wharton County Junior College's tax district encompasses Wharton County and the Needville Independent School District located within Fort Bend County. WCJC has a service area that includes Wharton, Matagorda, and Colorado counties, as well as parts of Fort Bend, Jackson, and Austin Counties. To better serve its students, the college offers courses at four campuses in Wharton, Sugar Land, Richmond, and Bay City. In addition, the college offers classes in El Campo and Palacios.

## WHARTON CAMPUS

Most degree and certificate programs as well as many continuing education courses are offered in Wharton. Many students live at home; however, students have the opportunity to live on campus or in local apartments and to participate in campus life. Frankie Hall, a dormitory for men, houses seventy-eight students. Mullins Hall and Brooking

Hall, dormitories for women, house fifty-three and thirty students respectively.

The college participates in three competitive sports: Volleyball for women, Baseball for men and Rodeo for men and women. WCJC also has a choir, a band, and a drama program. These sports and fine arts programs offer student scholarships. Campus life includes intramural activities for men and women, student government, and a variety of clubs.

### **SUGAR LAND CAMPUS**

The Sugar Land campus is conveniently located within the University of Houston Sugar Land System campus in Brazos Hall. This transfer-driven campus offers numerous academic and vocational courses which allow students to take advantage of the Wharton County Junior College/University of Houston System Partnership Joint Admissions Agreement on the same campus.

### **RICHMOND CAMPUS**

The Richmond campus offers a full range of technical, vocational, and academic courses. Texas State Technical College (TSTC), in partnership with WCJC, offers vocational programs located at the Richmond campus.

### **BAY CITY CAMPUS**

The Bay City campus is home to the college's Process Technology and Nuclear Power Technology programs. The campus also offers transfer courses.

### **EL CAMPO & PALACIOS EXTENSION CENTERS**

Wharton County Junior College offers transfer courses and Adult Basic Education at the Northside Center, in El Campo, and Adult Basic Education at Palacios ISD or other designated facilities in Palacios.

### **UNIVERSITY ARTICULATION AGREEMENTS**

Wharton County Junior College has several university articulation agreements that are in place to aid students in transferring. Students are encouraged to visit with WCJC counselors or advisors to inquire about transfer plans available to Texas universities.

## **General Academic Information**

### **DEGREES AND CERTIFICATES**

The college offers three types of degrees: The Associate of Arts (AA), the Associate of Arts in Teaching (AAT), and the Associate of Applied Science (AAS).

The Associate of Arts degree is a two-year degree designed for students intending to transfer to four-year institutions to complete baccalaureate degrees. AA degree programs parallel the first two years of study at four-year institutions; that is, they constitute the freshman and sophomore years of a bachelor's degree. Students should plan their courses of study carefully with an advisor to be sure that the courses they take at WCJC match the first two years of their intended major upon transferring to a four-year institution.

Wharton County Junior College awards the Associate of Arts in Teaching degree for students planning to pursue baccalaureate programs that lead to initial Texas teacher certification. There are two specialized tracks, "Plan B" or "Plan C" that can be pursued to obtain an AAT degree.

The Associate of Applied Science is designed for students in technical and career programs who intend to seek employment in identified occupational areas. Some AAS programs transfer seamlessly into upper-level Bachelor degree programs at various local universities.

The college also offers both semester credit hour and noncredit programs, leading to certificates in career fields not requiring a degree for employment. Certificate programs vary in length from fewer than 100 clock hours up to one year.

The following two examples serve to illustrate the distinctions between AA and AAS degrees, and between degrees and certificates.

1. Wharton County Junior College offers an AA degree that focuses on the field of Criminal Justice. This program of study is designed for students who intend to transfer to a four-year institution to major in some aspect of criminal justice (e.g., probation and parole, juvenile justice, law enforcement, criminal justice administration).

The college also offers a two-year AAS degree with a major in Law Enforcement for students who intend to enter the police profession immediately upon graduation.

In addition, the college offers a certificate program through its state-certified police academy for students who wish to become Texas peace officers but who do not desire a degree.

- Wharton County Junior College offers an AA degree which prepares students who intend to transfer to a four-year institution to study Nursing and pursue a career as Registered Nurses (RNs).

Wharton County Junior College also offers an AAS degree in Nursing (the Associate Degree Nursing program) for students who intend to become RNs immediately upon graduation.

In addition, Wharton County Junior College offers a certificate program in Vocational Nursing for students who wish to become Licensed Vocational Nurses (LVNs), but who do not desire a degree.

Finally, the college offers an AAS degree program for students who are already LVNs and desire to enter the ADN program to obtain an AAS degree and pursue careers as an RN. This program is referred to as the LVN-ADN Transition program.

## INSTRUCTIONAL DIVISIONS

Courses and instructional programs are offered through six divisions. Each division is composed of specialized departments, each with a standing Department Head. All divisions report to the Vice President of Instruction.

Students may seek degree or certificate specific advising from either department heads or division chairs, as well as from WCJC Student Services' counselors and advisors.

### DIVISION OF ALLIED HEALTH

**Division Chair: Carol Derkowski, ext. 6428**

Departments:

Associate Degree Nursing	Physical Therapist Assistant
Dental Hygiene	Radiologic Technology
Health Information Technology	Surgical Technology
Human Services	Vocational Nursing

### DIVISION OF COMMUNICATIONS AND FINE ARTS

**Division Chair: Vacant**

Departments:

Developmental Studies	Performing/Visual Arts
English	Speech
Humanities and Foreign Language	

### DIVISION OF MATH AND SCIENCE

**Division Chair: Kevin Dees, ext. 6460**

Departments:

Biology	Geology
Chemistry, Physics, and Engineering	Kinesiology and Agriculture Mathematics

### DIVISION OF SOCIAL AND BEHAVIORAL SCIENCES

**Division Chair: Amanda Shelton, ext. 1581**

Departments:

Criminal Justice and Law Enforcement	History and Geography
Economics and Government	Psychology, Sociology and Anthropology

### DIVISION OF TECHNOLOGY AND BUSINESS

**Division Chair: David Kucera, ext. 6342**

Departments:

Business and Office Administration	Construction Management
Computer Science	Education and Early Childhood
*Cisco Academy	Electronics Engineering Technology
*Computer Programming	Engineering Design
*Computer Simulation and Game Development	Paralegal Studies
*Digital Media	
*Network Administration	
*PC Technical Support	

### DIVISION OF VOCATIONAL SCIENCE

**Division Chair: Terry Lynch, ext. 6575**

Departments:

Air Conditioning, Heating, Refrigeration and Electrical Technology	Fire Academy
Automotive Technology	Nuclear Power Technology
Cosmetology	Process Technology
Emergency Medical Technology	Police Academy
	Welding Technology

## CONTINUING EDUCATION AND COMMUNITY OUTREACH PROGRAMS

Wharton County Junior College provides noncredit courses and programs, recreational activities, and community services to enhance the quality of life of its citizens and to contribute to the economic development of its service region. The college provides the following:

- Avocational Continuing Education
- Vocational Continuing Education
- Adult Basic Education
- Senior Citizen Programs
- Youth Activities
  - Kids' College



A variety of noncredit offerings and grant-funded programs are offered in areas such as job readiness skills, occupational and career training, profession-specific continuing education, customized workforce training, adult education, English as a Second Language (ESL) courses, Meals-On-Wheels, senior citizen health screenings and educational and recreational programs, and Kid's College.

Wharton County Junior College's continuing education noncredit offerings are designed to be responsive to community and business needs. Programs can be customized to meet specific needs of business and industry. WCJC can also assist area businesses in securing state-funded grants to support business expansion, job creation, and employee training.

Wharton County Junior College participates in numerous areas of community outreach and service. Grant-funded programs provide services in Adult Basic Education and GED preparation. The WCJC Senior Citizen Program provides a meal and activity program to senior citizens 60 years and older. The WCJC Senior Citizen Center, funded by the Houston-Galveston Area Council and the Department of Aging & Disabilities Services (DADS), provides center meals and hosts daily activities to promote social interaction. In-home meals to homebound qualified seniors are offered in Wharton and Colorado counties.

Kids' College, offered in Sugar Land, offers fun learning experiences in a variety of subjects for students in kindergarten through 12<sup>th</sup> grade. The college offer over 120 courses in the subject areas of technology, language, math, science, the arts, social studies, sports and dance.

Wharton County Junior College, in partnership with ed2go (formerly Gatlin Education Services), offers open enrollment programs designed to provide the skills necessary to acquire professional level positions for many in-demand occupations.

Programs are designed by a team of professionals from each respective field, who work to provide students with an effective web-based learning experience. Instructors/mentors are actively involved in the online learning experience. They respond to any questions or concerns, as well as provide encouragement and motivation to improve success.

Each program includes a set of lessons and evaluations; grades are a combination of the instructor/mentor's evaluation of students' work and computer graded tests. Students will appreciate the quality as well as the convenience of anytime, anywhere learning.

Benefits of Online Career Training:

- Learn in-demand job skills
- Start anytime
- Set your own pace
- Affordably priced

## Academic Policies

### ACADEMIC CALENDAR

The college's academic calendar lists the dates of all activities that affect students and employees, such as registration and holidays during which the college will be closed. The academic calendar is posted on the college website at [www.wcjc.edu](http://www.wcjc.edu).

### ACCESS TO STUDENT RECORDS

In compliance with federal Public Law 93-380; Family Educational Privacy Act of 1974 (commonly known as the Buckley Amendment, 20 U.S.C. 1232g; 34 CFR 99), and the Texas Open Records Act (Chapter 552, Government Code), the college does not release personally identifiable records or files. Further information concerning this policy and laws on which it is based is available in the Wharton County Junior College *Student Handbook* and in College Regulation 651. Questions concerning access to student records may be addressed to the Director of Admissions and Registration.

Directory information is available to anyone upon request unless a student restricts the release of such information by completing the form entitled *Request to Prevent Disclosure of Directory Information* and submits it to the office of the Director of Admissions and Registration by the twelfth class day of a regular semester and the fourth class day of a summer session.

Directory information includes the following:

- Name, address, telephone listing;
- Date of birth, dates of attendance, participation in officially recognized activities and sports, degrees, candidates for degrees, honors and awards received, previous colleges and universities attended.

## **ADDING AND DROPPING COURSES**

Courses that are dropped prior to the attendance verification day for that course will not count on a student's transcript as a "W". However, students are still expected to meet the financial obligation of the course per the college's "Drops and Withdraws", updated each semester on the college's website. Students dropping after attendance verification day and prior to the official drop date will receive a "W" for the course. The calendar for the length of time a student has to withdraw or drop a course is updated each semester on the college's website.

If a student registers for classes but does not attend or quits attending, the student must officially drop or withdraw through the Office of Admissions and Registration by filling out a student drop form located on the college website at [www.wcjc.edu](http://www.wcjc.edu), admissions, student forms. Failure to do so will result in an "F" on the student's transcript for each incomplete course and full financial obligation for each course.

## **ADMINISTRATIVE WITHDRAWAL**

The college reserves the right to withdraw a student from classes for any reason when college officials consider this action to be in the best interest of the college or of the student.

## **ATTENDANCE OF CLASSES**

Regular attendance is conducive to optimum achievement. Therefore, students are expected to attend all meetings of those classes in which they are enrolled. Those absences caused by participation in college sponsored activities, by the student's illness, or by certain emergencies may be excused by the instructor, in which case students are permitted to make up the work missed.

Whenever a student acquires absences in excess of two weeks in a course or when a student's attendance record (in the judgment of the instructor) makes the attainment of minimum course objectives improbable, that student may be recommended to drop the course with the designation of "W", withdrawn.

## **AUDIT OF COURSE**

After the schedule changes period, students may register to audit academic courses on a space-available basis. Also, after the schedule changes

period, students who obtain permission from the appropriate Department Head may register to audit vocational-technical courses. Auditing entitles students to the usual learning opportunities but eliminates such course requirements as attendance, written work, and tests. An audit cannot be changed to credit or credit to audit after the deadline for adding courses. The fee for an audit is the same as that for course credit.

## **CHANGE OF NAME OR ADDRESS**

A student who changes a home or local address or a name should notify the Office of Admissions and Registration immediately. Any communication from the college that is mailed to the name and address on record is considered to have been delivered, and the student is responsible for having received the communication.

## **CLASSIFICATION OF STUDENTS**

Students who are enrolled at Wharton County Junior College are classified according to the number of hours completed and the number of hours in which they are enrolled.

- Freshman: A student enrolling in college for the first time or who at the time of registration has earned fewer than 30 semester hours of credit.
- Sophomore: A student who at the time of registration has earned at least 30 semester hours.
- Full-time: A student who is enrolled for at least 12 semester hours.
- Part-time: A student who is enrolled for at least one semester hour, but less than 12 semester hours.

## **COURSE LOAD**

The normal load for a regular student during fall and spring semesters should not exceed a total of nineteen semester hours including such courses as kinesiology, choir, and band. The normal load for a regular student during summer semesters should not exceed a total of seven semester hours. Students may not enroll for more than a normal load without approval from the Vice President of Instruction. Ordinarily, approval for an academic overload is contingent upon the student having at least a 3.0 GPA or being a candidate for graduation.

The normal load for a regular student during a mini semester is one three credit hour course.

## COURSE NUMBERS

Wharton County Junior College uses the common course numbering system adopted by a number of Texas institutions. Institutions participating in this system have signed agreements accepting a standard numbering system for commonly transferred courses. This system insures that if students take the courses the receiving institution designated as common, the courses are accepted in transfer and are treated as the receiving institution's courses.

The common course number has a standardized four-letter prefix followed by a four-digit number. The prefix identifies the department through which the course is offered. Numbers 1100-1999 indicate freshman level courses and numbers 2100-2999 indicate sophomore-level courses. For example, English 1301 is a freshman-level course in the Department of English and Humanities, whereas English 2322 is a sophomore-level course.

However, students may enroll in any course if all specific course prerequisites have been met.

## COURSE OFFERINGS

The college exercises the prerogative of choosing the courses to be offered during any semester. This offering is announced in the official schedule of classes for the semester. Should the enrollment in a course be insufficient, the course may be dropped from the schedule. Likewise, a course may be closed to further enrollment should enrollment become excessive.

## PREREQUISITES FOR COURSES

A "prerequisite" is a condition or requirement that must be met. Many courses are open only to those students meeting specified requirements. Course prerequisites may be credit in another course, a minimum grade in another course, test scores, concurrent enrollment in another course, sophomore standing, consent of the department head, or demonstration of a particular skill.

Prerequisites are indicated below each course description.

## FINAL EXAMINATIONS

All academic courses administer final examinations. Exemptions from final examinations are not given. A student who misses a final examination may be given an "I"

(incomplete) at the instructor's discretion, if the absence is caused by sickness or other emergency. The student should contact the instructor to make arrangements for a make-up exam. An "I" automatically converts to an "F" by mid-semester of the following term if the student does not make up the exam.

## GRADING POLICY, GRADE REPORTS, GRADE POINTS

The college considers grades extremely important permanent records and requires instructors to communicate their specific grading policies for each class at the beginning of the semester. At the end of the semester, the college requires instructors to submit final grades for all officially enrolled students.

Students who believe errors have been made in the final reporting of grades should discuss the matter with their instructors. The students may follow the method of appeal set forth in the *Student Handbook* and in College Regulation 663. A grade change request must be made within 12 months of the end of the term in which the grade was awarded. Appeals will not be accepted beyond the allowed twelve months of the end of the term in which the grade was awarded.

A final grade may be changed only by the instructor of the course with the approval of the Vice President of Instruction or by action of the Board of Trustees.

Grade or Notations are as follows:

- A Excellent
- B Good
- C Average
- D Poor (lowest passing grade)
- F Failure
- I Incomplete: *This grade is given only when a student misses the final examination. The instructor has the discretion to allow a make-up if the absence is caused by sickness or other emergency. By the following regular mid-semester, an "I" not made up will convert to an "F".*
- W Withdrawn: *This grade indicates an official withdrawal from a course by the student or by administrative action after the attendance verification day and prior to the official drop date.*
- X Audit (no credit and no grade)

A four-point system for expressing in numerical terms the quality of scholarship achieved by the student is useful in determining eligibility for honors or probation, for graduation, for

participation in intercollegiate athletic competition, and for membership in certain student organizations. The system is as follows:

Each grade of "A" earns 4 grade points per semester hour.

Each grade of "B" earns 3 grade points per semester hour.

Each grade of "C" earns 2 grade points per semester hour.

Each grade of "D" earns 1 grade point per semester hour.

Other grades earn 0 grade points.

At the end of each grading period a grade point average (or grade index) may be obtained by computing the sum of all the grade points earned and dividing this number by the total number of semester hours attempted. Courses marked "W", "I", and "X" are not counted in computing the grade point average.

For example, if a student completes the following 16 credit hours in a semester, the GPA for that semester is calculated as follows:

Course	Credit Hours	Grade	Grade Points
English	3	B	9
Biology	4	C	8
History	3	B	9
Business	3	A	12
Art	3	A	12
	16		50

Divide the number of grade points earned (50) by the total number of credit hours attempted (16). The GPA for that semester would be 3.17 or "B".

## GRADUATION REQUIREMENTS

Students are responsible for familiarizing themselves with the detailed requirements of their chosen degrees and for preparing themselves to meet those requirements.

Deadlines for applying for graduation are:

- August Graduation – July 15<sup>th</sup>
- December Graduation – November 1<sup>st</sup>
- May Graduation – April 1<sup>st</sup>

Students must go to the Office of Admissions and Registration to complete the application for graduation. Caps, gowns, and announcements are ordered through the WCJC bookstores. Candidates may graduate under the terms of the catalog in effect when they enter or any

subsequent catalog under which they attend, provided:

- A. Said catalog is not more than 5 years old.
- B. The student's particular degree or certificate plan has not been discontinued by the college.

General requirements for graduation for the Associate of Arts degree or the Associate of Applied Science degree are as follows:

1. All entrance requirements must be fulfilled.
2. Candidates who entered college after the fall of 1989 must demonstrate proficiency in basic skills either by passing TSI Assessment test or by TSI exemption, or by satisfying the basic skills requirements in any way prescribed by the Texas Higher Education Coordinating Board.
3. All financial obligations must be met.
4. At least sixty semester hours must be earned.
5. A GPA of at least 2.0, "C", must be earned.
6. Candidates must complete at least twenty-four semester hours at Wharton County Junior College.
7. Candidates must complete at least fifteen hours of sophomore-level courses.
8. When requirements for degrees are met during the summer session or fall semester, diplomas are mailed to recipients.

## MINIMUM STANDARD OF WORK

Wharton County Junior College expects students to achieve satisfactory progress toward the attainment of their education goals. The minimum acceptable standard of satisfactory progress is a cumulative average of at least 2.0 GPA on attempted semester credit hours.

## RELIGIOUS OBSERVANCES

Students who are absent from classes for the observance of a religious holy day may take an examination or complete an assignment scheduled for that day within a reasonable time after the absence. Students should notify the instructor of each class scheduled on the date that they plan to be absent for a religious holy day.

## REPETITION OF COURSE

When a course is repeated, the last grade awarded is the permanent grade for the course and is the only grade considered in calculating the semester hours and the grade point average at Wharton County Junior College.

## **SCHOLASTIC HONORS**

**DEANS'S LIST:** At the end of each full term (16 weeks) semester, those students who have been enrolled for at least twelve (12) semester hours of college-level courses, who have made no failing grades, and who have earned grade point averages of at least 3.5 are listed on the Dean's List.

**GRADUATION WITH HONORS:** Those members of the graduating class who earn a grade point average of at least 3.8 are graduated with High Honors and those earning a grade point average of at least 3.5, but less than 3.8, are graduated with Honors.

## **SCHOLASTIC PROBATION**

Failure to achieve the required minimum standard of work (cumulative average of at least 2.0 GPA) will result in a student being placed on scholastic probation for the next semester in which they are enrolled.

Students on probation are encouraged to reduce their course load and to reexamine and adjust their educational objectives, their workloads, and their study habits.

Students on scholastic probation are removed from probation when they have achieved the required minimum standard of work.

## **SCHOLASTIC SUSPENSION**

Failure to achieve the required minimum standard of work while on scholastic probation results in suspension from the college for the following full term (16 week) semester. A student who has been suspended from the college for poor scholarship and who re-enters after the expiration of the semester of suspension, re-enters on scholastic probation.

## **SEMESTER CREDIT HOURS**

The unit of measurement for credit purposes is the semester credit hour. One semester hour represents the credit earned in a course that is scheduled for one class hour a week for a semester. Most courses meet three hours a week and have a credit value of three semester hours.

## **STUDENT GRIEVANCES AND COMPLAINTS**

The college has an established policy for hearing student grievances and complaints. Students who believe they have legitimate complaints about (1) discrimination or harassment based on sex, race, age, national origin, religion, veteran status, or handicap; (2) non-academic decisions, rules, or regulations; (3) management or conduct of programs; (4) allegations of misleading advertisement or promotion of programs; or (5) other actions of college employees should contact the Office of the Vice President of Student Services to file the grievance and obtain a copy of College Regulation 591.

## **TRANSCRIPTS**

A transcript of the college credits is an official copy of the student's permanent record bearing the college seal. For a fee, students may obtain copies of his or her transcript by requesting transcripts through the "WCJC Online Services" at [www.wcjc.edu](http://www.wcjc.edu) or by making a written request to the Office of Admissions and Registration. Written requests must include dates of attendance, student ID number, and a legible signature. All admission information must be on file, and all holds must be cleared before a transcript is issued.

## **TRANSFER OF SEMESTER CREDIT HOURS**

Wharton County Junior College is fully approved and accredited to offer lower-division courses (freshmen and sophomore courses). All of WCJC academic semester hour credits transfer to other state-supported colleges. Certain developmental, preparatory, and vocational courses may not transfer. 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 may be averaged with work done at the receiving college or university.

The information that follows was written by the Texas Higher Education Coordinating Board with respect to the transfer of semester credit hours and to transfer disputes. Section 61.078 of the Texas Education Code, enacted by the 71<sup>st</sup> Legislature, requires that this information be reproduced in the college's catalog.



**FREE TRANSFERABILITY:** Lower-division courses included in the Texas Higher Education Coordinating Board's Academic Course Guide Manual and specified in the definition of "Lower-Division Academic Course Guide Manual" 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.

All lower division academic courses shall be fully transferable among public institutions and must count toward the same degree at any public college or university in Texas.

#### **TRANSFER OF SEMESTER CREDIT HOURS REQUIREMENTS AND LIMITATIONS**

- A. Each institution of higher education shall identify in its undergraduate catalog each lower division course that is substantially equivalent to an academic course listed in the current edition of the Community College General Academic Course Guide Manual.
- B. Each university must identify at least 45 semester credit hours of academic courses that are substantially equivalent to courses listed in the "Lower-Division Academic Course Guide Manual", including those that fulfill the lower-division portion of the institution's Core Curriculum.
- C. All public colleges and universities must accept transfer of credit for successfully completed courses identified in (A) and (B) above as applicable to an associate or baccalaureate degree in the same manner as credit awarded to non-transfer students in that major.
- D. Each institution shall be required to accept in transfer into a baccalaureate degree the number of lower division semester credit hours in a major which are allowed for their non-transfer students in that major; however,
  - No institution shall be required to accept in transfer more credit hours in a major than the number set out in the applicable Coordinating Board approved Transfer Curriculum for that major, as prescribed by the current issue of the Coordinating Board's Guide to Transfer of Credit Policies and Curricula.
  - In any major for which there is no Coordinating Board approved Transfer

Curriculum, no institution shall be required to accept in transfer more lower division courses credit in the major applicable to a baccalaureate degree than the institution allows their non-transfer students in the major.

- A university may deny the transfer of credit in courses with a grade of "D" as applicable to the student's major.
- E. All senior institutions of higher education in Texas shall provide support services for transfer students, equivalent to those provided to non-transfer students regularly enrolled at the institutions, including an orientation program for transfer students, equivalent to that provided for entering freshman enrollees.
  - F. No university shall be required to accept in transfer or toward a degree, more than sixty-six (66) semester credit hours of academic credits earned by a student in a community college. Universities, however, may choose to accept additional credit hours.

#### **RESOLUTION OF TRANSFER DISPUTES FOR LOWER-DIVISION COURSES**

The following procedures shall be followed by public institutions of higher education in the resolution of credit transfer disputes involving lower-division courses:

- A. If an institution of higher education does not accept course credit earned by a student at another institution of higher education, the receiving institution shall give written notice to the student and to the sending institution that transfer of the course credit is denied. A receiving institution shall also provide written notice of the reasons for denying credit for a particular course or set of courses at the request of the sending institution.
- B. A student who receives notice as specified in Subsection (A) may dispute the denial of credit by contacting a designated official at either the sending or the receiving institution.
- C. The two institutions and the student shall attempt to resolve the transfer of the course credit in accordance with Board rules and guidelines.
- D. If the transfer dispute is not resolved to the satisfaction of the student or the sending institution within 45 days after the date of the student received written notice of denial, the institution that denies the course credit for transfer shall notify the commissioner of its denial and the reasons for the denial.

- E. The Commissioner of Higher Education or the Commissioner's designee shall make the final determination about a dispute concerning the transfer of course credit and give written notice of the determination to the involved student and institutions.
- F. The Board shall collect data on the types of transfer disputes that are reported and the disposition of each case that is considered by the Commission or the Commissioner's designee.
- G. If a receiving institution has cause to believe that a course being presented by a student for transfer from another school is not of an acceptable level of quality, it shall first contact the sending institution and attempt to resolve the problem. In the event that the two institutions are unable to come to a satisfactory resolution, the receiving institution may notify the Commissioner of Higher Education, who may investigate the course. If its quality is found to be unacceptable, the Board may discontinue funding for the course.

#### **SIX COURSE DROP LIMIT**

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 a first-time freshman in fall 2007 or later. Any course that a student drops is counted toward the six-drop limit if:

- The student was able to drop the course without receiving a grade or incurring an academic penalty;
- The student's transcript indicates or will indicate that the student was enrolled in the course;
- The student is not dropping the course in order to withdraw from the institution.
- Once Wharton County Junior College calculates that the student has a total of six affected drops from Wharton County Junior College and all affected transfer institutions, he or she may not drop any additional courses at Wharton County Junior College. The instructor will be required to award the grade of A, B, C, D, or F.

An automatic notification will be placed on the student record after the student reaches the 3<sup>rd</sup> counted drop and is encouraged to see an academic advisor.

#### **EXCLUDED COURSES FROM LIMIT**

Drops from the following types of courses are excluded from the course drop limit:

- A. Courses taken by students while enrolled in high school – whether dual credit or early admission. Once graduated from high school the drops will begin to count.
- B. Courses dropped at private or out-of-state institutions.
- C. Remedial or developmental courses, workforce education courses, or other courses that would not generate undergraduate credit that could be applied to a degree.
- D. Drops which meet the definition of a complete withdrawal.

#### **EXCEPTIONS AND DOCUMENTATION REQUIREMENTS**

- A. Severe illness or other debilitating condition; statement from a doctor required.
- B. Care of a sick, injured or needy person; statement from doctor regarding illness of the person being cared for; statement from the sick, injured, or needy person regarding the student's role as the care-giver; or in case of a child, statement from the student.
- C. Death of family member or another person who is otherwise considered to have a sufficiently close relationship; death certificate or obituary from newspaper required.
- D. Active duty service with the Texas National Guard or other armed forces by the student, a family member, or a person who has a sufficiently close relationship; orders from service required.
- E. Change in work schedule that is beyond the control of the student; letter from employer required.
- F. Other good cause as determined by the institution.

For the purposes of this section (listed above) the following definitions will apply:

**FAMILY MEMBERS:** spouse, child, grandchild, father, mother, brother, sister, grandmother, grandfather, aunt, uncle, nephew, niece, first cousin, stepparent, stepchild, or stepsibling.

**SUFFICIENTLY CLOSE RELATIONSHIP:** this relationship can include a relative with the third degree of consanguinity, plus close friends, including but not limited to, roommates, housemates, classmates, or others identified by the student for approval of the institution on a case-by-case basis.

#### **WITHDRAWAL FROM COLLEGE**

If a student must withdraw from the college before the completion of the semester for which he or she is enrolled, the student must fill out an official withdrawal form in the Office of Admissions and Registration or send a letter to that office requesting withdrawal.

All financial obligations to the college must be met in order to receive official clearance.

A student may officially withdraw from the college. Please see "Adding and Dropping Courses".

#### **SERVICES FOR STUDENTS WITH DISABILITIES**

Wharton County Junior College is committed to providing a discrimination-free environment for its students with disabilities. Students with disabilities are encouraged to inform the college of any assistance they may need upon application. Early self-identification will allow students to receive whatever accommodation they may need as quickly as possible.

Students desiring accommodations must register with the Disability Services Coordinator and provide appropriate medical and/or psychological documentation. This action entitles qualified students with disabilities to their legal rights and assures them of receiving information on services and procedures available to them. Disability information is strictly confidential and is not released without consent of the student.

It is the responsibility of students with a disability to voluntarily and confidentially disclose information regarding the nature and extent of the disability. Wharton County Junior College does not assume responsibility for providing special accommodations and services to students who have not identified themselves as having a qualifying disability and who have not made their need known.

Specific disability services are based on individual needs and circumstances to initiate services.

Students should contact the Disability Services Coordinator prior to each semester. The Disability Services Coordinator's office is located in the Office of Student Services.

#### **STUDENT CONDUCT AND DISCIPLINE**

The proper role of the student while on any of the Wharton County Junior College campuses is to attend classes and to engage in related educational activities. Student's involvement in the affairs of the college is encouraged and avenues of communications are provided, but abuse of democratic process is not tolerated.

All WCJC students are expected to obey the law, to show respect for properly constituted authority, and to observe correct standards of conduct. In addition, they are expected to refrain from other types of improper and socially unacceptable behavior that is specified in the *Student Handbook*. Students who violate these rules of appropriate conduct as defined by the college are subject to disciplinary action.

Misconduct for which students are subject to discipline includes the following categories:

1. Dishonesty, such as cheating, plagiarism, or knowingly furnishing false information to the college. Plagiarism and cheating refer to the use of unauthorized books, notes, or otherwise securing help on a test; copying tests, assignments, reports, or term papers.
2. Being in unauthorized places such as offices or building after hours or in any instructor's office without his or her permission.
3. Forgery, alteration, or misuse of college documents, records or identification.
4. Obstruction or disruption of teaching, research, administration, or other authorized activities, on college premises.
5. Physical abuse of any person on college-owned or controlled property or at college-sponsored or supervised functions, or conduct that threatens or endangers the health or safety of any such persons.
6. Theft of property or damage other than accidental to property of the college or of a member of the college community or of a campus visitor.
7. Violation of college policies or regulations.
8. Use, possession, or distribution of alcohol, narcotics, or dangerous drugs.
9. Disorderly conduct or lewd, indecent, or obscene conduct or expression on college-

owned or controlled property or at college-sponsored or supervised functions.

10. Failure to comply with reasonable directions of college officials acting in the performance of their duties.
11. Making unreasonable noise on campus.
12. Conduct that adversely affects the student's responsibility as a member of the academic community.
13. Use or possession of firearms, explosives (including fireworks), swords, daggers, straight razors, or illegal knives is not permitted on campus or in automobiles on campus streets or in parking lots.
14. Any form of gambling.
15. Improper dress. In consideration of sanitation, distraction, or offensiveness to other students and faculty, students are expected to wear appropriate clothing.
16. Unauthorized use of facilities.

Misconduct may result in the student being placed on disciplinary probation or suspension (dismissal).

Wharton County Junior College has identified certain behaviors that are possible grounds for immediate dismissal from the college. If any of these six situations occur, immediate dismissal may result:

1. Illegal use or possession of controlled substances (alcohol, drugs) anywhere on college property or at a college event or college-sponsored activity.
2. The presence of the opposite sex in a student's dorm room.
3. Willful destruction of property, damage to buildings or furnishings, or defacing college property.
4. Physical assault or threat of physical assault on/toward anyone on college property or at a college-sponsored event or activity.
5. "Hate Messages" including, but not limited to, racial epithets or derogatory remarks attacking or belittling someone's religious beliefs, lifestyle, national origin, physical attributes, etc., whether delivered orally or in writing.
6. Refusal to comply with legitimate directives from dorm supervisors, security personnel, or any college officials or exhibiting defiantly disrespectful behavior to such persons.

## **WHARTON COUNTY JUNIOR COLLEGE SEXUAL HARASSMENT POLICY – REGULATION 879**

*Employees or students shall not engage in conduct constituting sexual harassment. The district shall investigate all allegations of such harassment and shall take appropriate disciplinary action against employees or students found to engage in such harassment. Any employee or student who believes he or she has been or is being subjected to any form of sexual harassment shall bring the matter to the attention of the immediate supervisor in accordance with the district's grievance policy [Reg. 591 and 877]. However, no procedure or step in that policy shall have the effect of requiring the employee or student alleging sexual harassment to present the matter to the person who is the subject of the complaint. NOTE: The Director of Human Resources or the President may also be contacted by personnel on issues relating to sexual harassment.*

## **Admission and Registration**

### **ADMISSION**

Admission for the college credit studies is open to all applicants who meet at least one of the methods of regular admission listed below. However, admission to the college does not imply admission to all programs.

Guidelines for admission to the Associate Degree Nursing (ADN), Dental Hygiene, Physical Therapist Assistant, Radiologic Technology, Surgical Technology, and Vocational Nursing (LVN) programs are given in the degree requirements section of this catalog or from the respective program directors.

Each applicant must satisfactorily complete all phases of the admission process. The Office of Admissions and Registration evaluates the application and notifies the student of acceptance or rejection. The student may appeal the decision if the case meets the criteria for appeal stipulated in Regulation 591, Student Grievances.

### **BACTERIAL MENINGITIS VACCINATION REQUIREMENT**

Under the requirements of law recently enacted by the Texas State Legislature, students who are under 22 years of age and entering higher education in the spring of 2014 (and any semesters following)

must demonstrate proof of vaccination against bacterial meningitis.

An entering student is defined as a student new to higher education. Transfer and transient students from another college, or a student who has not been enrolled one fall or spring semester and is returning to Wharton County Junior College, are also subject to this requirement. It is important to consult a physician about the need for the immunization against bacterial meningitis to prevent the disease.

Not all students are required to show proof of the vaccination. Please read further for details about exemptions and how to opt out of showing proof of the vaccination.

Students may elect not to take the vaccination by filing a Medical Exemption Affidavit or Certificate or a Texas Department of State Health Services (TDSHS) Exemption from Immunization for Bacterial Meningitis for Reasons of Conscience Form.

Evidence of vaccination or exemption should be submitted to Wharton County Junior College Office of Admissions and Registration. Vaccinations must have been received within the past (5) years and no later than 10 days prior to the first day of the first semester in which the student initially enrolls. A Wharton County Junior College Bacterial Meningitis Vaccination Record Form must be completed and submitted along with vaccination records or a Medical Exemption Affidavit of Certificate or an Exemption from Immunization for Reasons of Conscience Affidavit Form.

## EXEMPTIONS

**Wharton County Junior College students who are currently enrolled and planning on returning for their next consecutive semester will NOT be required to submit proof of vaccination.**

Exemptions allowed by law are:

- Students 22 years of age or older by the first day of the semester
- Students enrolled only in online courses or other distance education programs
- Students enrolled in dual credit classes on a high school campus
- Students enrolled in adult basic education (ABE) courses

- Students enrolled in continuing education (CE) or corporate study courses.
- Students enrolled in programs of less than 360 contact hours
- Students incarcerated in a Texas prison

## EVIDENCE OF VACCINATION

Evidence of vaccination must:

1. Be submitted along with a completed **WCJC Bacterial Meningitis Vaccination Record Form**, which can be found on the college website at [www.wcjc.edu](http://www.wcjc.edu), under the Office of Admissions and Registration.
2. Include month, day and year of vaccination and verify that vaccinations (or boosters) were received at least 10 days prior to the first day of the semester and within the past 5 years.
3. Include one of the following:
  - A completed **WCJC Bacterial Meningitis Vaccination Record Form** bearing the signature or stamp of a physician or his/her designee.
  - An official immunization record generated from a state or local health authority.
  - An official record received from school officials, including a record from another state.

## EVIDENCE TO DECLINE VACCINATION

A student, or parent or guardian of a student, is not required to submit evidence of receiving a vaccination against bacterial meningitis if the student, or a parent or guardian of a student, submits evidence to decline the vaccination to the institution.

Evidence to decline the vaccination can be either:

1. A Medical Exemption Affidavit or Certificate signed by a physician who is licensed to practice medicine in the U.S. in which it states that in the physician's opinion it would be injurious to the health and well-being of the student to receive the required vaccination.
2. Conscientious Objection Form (for student NOT LIVING IN ON-CAMPUS HOUSING). For new students (under the age of 22 years) at institutions of higher education and NOT living or residing in on-campus housing, who wish to file an affidavit stating that the student declines the vaccination for bacterial meningitis for reasons of conscience, the student may use the official Texas Department



of State Health Services form, accessible from the website at the following link: <https://webds.dshs.state.tx.us/immcojc//>

Students must request the form electronically, complete it, sign it, have it notarized, and file it with the Office of Admissions and Registration.

For further information, or to ask any questions, please contact the Office of Admissions and Registration.

### **METHODS OF REGULAR ADMISSION**

Persons may qualify for admission to Wharton County Junior College by any of the following means:

HIGH SCHOOL GRADUATE - Any student that has graduated from a state accredited high school. The following admission requirements must be met and submitted to the Office of Admissions and Registration:

- 
- Submitted electronic application or completed and signed paper application.
- Completed official copy of the high school transcript showing the last year's grades and date of graduation.
- Official exemption test scores and documentation that meets the Texas Success Initiative as required by the Texas Higher Education Coordinating Board.

GED GRADUATE – students who have completed the General Educational Development (GED) test. The following admission requirements must be met and submitted to the Office of Admissions and Registration:

- Submitted electronic application or completed and signed paper application.
- GED certificate with official scores and completion date.
- Official exemption test scores and documentation that meets the Texas Success Initiative as required by the Texas Higher Education Coordinating Board.

GRADUATE OF HOME SCHOOL, PRIVATE SCHOOL, OR NON-ACCREDITED HIGH SCHOOL - Any student who has completed a home school program or has graduated from a private or non-accredited high school is eligible to apply for admission. The following admission requirements must be met

and submitted to the Office of Admissions and Registration:

- Submitted electronic application or completed and signed paper application.
- Completed and notarized copy of the student's transcript signed by the principal or head of instruction, showing the last semester's grades and date of graduation.
- Official exemption test scores and documentation that meets Texas Success Initiative as required by the Texas Higher Education Coordinating Board.

STUDENTS TRANSFERRING FROM AN ACCREDITED COLLEGE OR UNIVERSITY OR WHO ARE CONCURRENTLY ENROLLED IN AN ACCREDITED COLLEGE - Only credits from accredited colleges or universities are accepted. i.e., Southern Association Colleges and Schools, Commission on Colleges. The following admission requirements must be met and submitted to the Office of Admissions and Registration:

- Submitted electronic application or completed and signed paper application.
- Official and up-to-date transcript from all colleges attended.
- Official exemption test scores and documentation that meets Texas Success Initiative as required by the Texas Higher Education Coordinating Board.

Wharton County Junior College only recognizes and accepts transferable credit from colleges or universities that have been accredited by one of the following six "Regional Accreditation" bodies:

1. Middle States Association of Colleges and Schools
2. New England Association of Schools and Colleges
3. North Central Association of Colleges and Schools
4. Northwest Association of Schools and Colleges
5. Southern Association of Colleges and Schools
6. Western Association of Schools and Colleges

Students on scholastic probation at another institution and eligible to return to that college may be admitted to Wharton County Junior College with the status of scholastic probation provided they meet the other entrance requirements. In cases of doubt about the academic status of a transfer student from another institution, WCJC standards

on probation and/or suspension are applied to the case.

#### STUDENTS ENROLLING IN A CERTIFICATE PROGRAM

Any person seeking a technical certificate is eligible to attend Wharton County Junior College. These students are exempt from TSI testing requirements as long as the student enrolls in the courses within the certificate program(s) as outlined in this catalog. The following admission requirements must be met and submitted to the Office of Admissions and Registration:

- Submitted electronic application or completed and signed paper application.
- Completed official copy of the high school transcript showing the last year's grades and date of graduation or GED certificate with official scores and completion date.
- Official, up-to-date transcripts from all colleges attended.

#### **EARLY ADMISSION FOR HIGH SCHOOL STUDENTS**

High School (including home schooled, private, or non-accredited high school) students may enroll in a Dual Credit program or as an Early Admission Student.

Students are cautioned to guard against enrolling for college courses that are related to their areas of University of Interscholastic League (UIL) competition and which might thereby endanger their eligibility for participation in UIL.

As a means of recognizing superior high school achievement, qualified high school students are permitted to enroll in the summer session or concurrently with high school enrollment and earn college credits applicable to the associate degrees. The following admission requirements must be met:

- Submitted electronic application or completed and signed paper application.
- Completed Certificate for Early Admissions form which includes the recommendation by the high school principal and consent of parent if the student is under 18 years old – **REQUIRED EVERY YEAR** until student graduates high school.
- Official exemption test scores and documentation that meets the Texas Success Initiative (TSI) as required by the Texas Higher Education Coordinating Board.

#### **GENERAL ADMISSION PROCEDURES**

Persons desiring admission to Wharton County Junior College, by any method of admission, should file the following with the Office of Admissions and Registration:

1. An application submitted online at [www.applytexas.org](http://www.applytexas.org) or see Admissions Office for a paper application.
2. If enrolling by transfer, an official transcript from each college attended is required.
3. TSI Assessment scores (or state-approved alternative test scores) or proof of TSI exemption. (These test scores are not used as a condition of admission, but rather, for advisement and placement purposes.)

#### **RESIDENCY INFORMATION AND REQUIREMENTS**

Students are classified as Texas residents or non-Texas residents for the purpose of assessing matriculation and tuition fees. Texas residents must be further classified as either in-district or out-of-district residents. For purposes of determining residency, WCJC complies with all applicable state and federal regulations, as well as with the Texas Higher Education Coordinating Board recommendation.

**TEXAS RESIDENT:** An adult Texas resident is defined as one who has resided continuously within the state of Texas for at least 12 months prior to the census date of the academic semester in which the student is enrolling. A minor Texas resident is defined as one whose parent(s) or legal guardian has claimed the dependent for federal income tax purposes both at the time of enrollment and for the tax year preceding enrollment. This classification is defined by the State Auditor's Office and must be adhered to.

**NON-RESIDENT:** A non-resident student is defined as one who does not qualify as a Texas resident (out-of-state, international students, etc.). A non-resident student classification is presumed to be correct so long as the student is in the state primarily for the purpose of attending school. To be reclassified as a resident, after one or more years of residency, the student must show proof of intent to establish Texas as his/her own residency.

**IN-DISTRICT:** In general, an adult who is a Texas resident has **resided** continuously within, and paid property taxes to, the Wharton County Junior College District (Wharton County and Needville ISD) for at least six months prior to the census date of

the academic semester in which the student is enrolling. If the applicant is a minor, then their parent(s) or legal guardian must meet the qualification of In-District.

**OUT-OF-DISTRICT:** A Texas resident who does not qualify as an in-district resident.

### **PROOF OF RESIDENCY**

Section 54.051(b) of the Texas Education Code requires documentation of residency for persons enrolling in public institutions of higher education.

Persons classified as residents are required to provide proof that they are entitled to be so classified and to agree to notify the proper institutional official if for any reason the classification becomes inappropriate.

In addition to documenting residency, WCJC is responsible for reviewing enrollment or registration applications for errors, inconsistencies, or misclassification of residence status. Written documentation to resolve any problems noted is required and a copy of such is maintained in the student's file for audit review.

Further, at minimum, each institution must file and maintain a copy of one or more appropriately dated documents that certify that the student classified as a resident has a legal right to such classification as of the official census date of the semester or term for which the student is enrolling. Documents acceptable for this purpose include but are not limited to:

- A. Texas high school transcript.
- B. Employer statement of date of employment.
- C. Permanent Driver's license; at least one year old. Generally, the license expiration date minus date of enrollment should not exceed three years.
- D. Texas voter registration card; at least 180 days old for in-district classification.
- E. Property tax payments.
- F. Canceled checks.

Additional information concerning admission is available by contacting the Office of Admissions and Registration.

### **REGISTRATION**

Registration information, procedures, and deadlines for college credit and continuing

education students are published in the printed class schedules and also available online at [www.wcjc.edu](http://www.wcjc.edu) under Admissions. Each student, by registering, pledges acceptance of the rules and regulations of the college.

Students may register for credit classes online or in person, at times specified in the published schedule.

**Registration must be completed prior to the beginning of classes.**

Students may register for a maximum of 19 credit hours in fall and spring semesters, 14 credit hours in the summer (both sessions combined), and 3 credit hours in a mini semester. Students who wish to register for additional hours must have written permission from the Vice President of Instruction.

Courses may be added and/or dropped only during periods indicated in the college's academic calendar. Classes dropped after the census date and before the official withdrawal date are recorded with the letter "W" on the student's permanent record.

### **TEXAS SUCCESS INITIATIVE (TSI)**

Students attending Texas public institutions of higher education must be in compliance with the Texas Success Initiative (TSI), as of fall 2003 (Texas Education Code §51.3062) in order to enroll in public institutions of higher education. The law requires all entering college students to be assessed for college readiness in reading, mathematics and writing unless the student qualifies for an exemption. Each student who fails to meet the minimum passing standard of the exam offered by the institution must be placed in a developmental education program designed to help the student achieve college readiness.

### **TEXAS SUCCESS INITIATIVE EXEMPTIONS**

A student may be exempt from meeting Texas Success Initiative standards by meeting one of the following standards.

- SAT combined Math and Critical Reading scores of 1070 with at least 500 on each of the two parts. (Test taken no more than 5 years ago)
- ACT composite score of 23 with at least 19 on the Math and 19 on the English scores. (Test taken no more than 5 years ago)

- TAKS exit-level Math score of 2200 and English/Language Arts score of 2200 and Writing essay score of 3. (Test taken no more than 5 years ago.)
- Students serving on active duty as a member of the US armed forces, the Texas National Guard, or as a member of a reserve component of the US armed forces and have been serving for at least three years preceding enrollment.
- Students who on or after August 1, 1990, were honorably discharged, retired, or released from active duty as a member of the armed forces, the Texas National Guard, or serve as a member of a reserve component of the US armed forces.
- An earned degree, associates or higher, from a Texas public college or university.
- 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 college-level coursework as determined by the receiving institution.
- STARR scores minimum: STARR end-of-course (EOC) with a minimum score Level 2 on English III shall be exempt from the TSI Assessment required by TSI for both reading and writing and a minimum score of Level 2 on the Algebra II EOC shall be exempt from the TSI Assessment.
- TSI Assessment: Reading score of 351 or above, Mathematics score of 350 or above, Writing Essay score of a 5; or an essay score of a 4 with objective score of a 363.
- PSAT combined minimum score of 107 with a minimum score of 50 on the critical reading and/or mathematics section linked to the subject area the student wishes to enroll in (Dual Credit admission only).

#### TSI Exam Results

Students who do not pass one or all parts (English, mathematics, reading, and writing) of the TSI Assessment must enroll in an appropriate developmental education course before the student may enroll in a credit bearing course for the subject in which he or she did not meet state standards.

#### **TESTING INFORMATION**

Beginning students who need to satisfy TSI requirements may call the WCJC Testing Center, located on the second floor of the J.M. Hodges Library, to make an appointment for testing. Testing schedules are also available online at [www.wcjc.edu](http://www.wcjc.edu) under Admissions then Testing. Testing should be done at least one month prior to registration.

#### **DEVELOPMENTAL EDUCATION PLAN TO COMPLY WITH TEXAS SUCCESS INITIATIVE**

In accordance with Texas Success Initiative guidelines (TSI), Wharton County Junior College will assess each undergraduate student entering the institution (unless exempted) and determine if the student is "College Ready" in reading, writing, and math. Students who fail one or more sections of the THECB approved assessment instruments (determined by WCJC to be "not college ready" in one or more areas) may satisfy TSI requirements by the completion of an individualized developmental education plan.

More information regarding WCJC's Developmental Education Plan is available in the Counseling Office on each campus.

#### **CREDIT BY EXAMINATION**

Credit for selected courses at Wharton County Junior College may be obtained by special examinations in accordance with the following policies:

- A. Credit by examination may not be acquired in courses in which the student has been enrolled for credit past the 12<sup>th</sup> class day, in an academic discipline in which the student has earned credit in a more advanced course.
- B. No credit by examination is applicable until the student has earned an equivalent number of hours at Wharton County Junior College.
- C. Not more than sixteen semester hours may be earned by examinations in transfer courses nor more than twenty-two semester hours in vocational or technical classes.

#### **COLLEGE BOARD'S ADVANCED PLACEMENT**

Grades of A, B, or C are granted by Wharton County Junior College for the College Board's Advanced Placement Exams in which the student has received a corresponding score of 5 (A), 4 (B), or 3 (C).

Advanced Placement Examination	WCJC Courses and Credit in Semester Hours
Biology	Biology 1406 and 1407 (8 hours)
Chemistry	CHEM 1411 and 1412 (8 hours)
Computer Science	COSC 1436 (4 hours)
English	ENGL 1301 (3 hours)
Mathematics	MATH 2312 and 2413 (7 hours)
Physics	PHYS 1401 and 1402 (8 hours)
U.S. History	HIST 1301 and 1302 (6 hours)

### COLLEGE LEVEL SUBJECT EXAMINATION (CLEP)

College Level Subject Examination Program (CLEP) tests are administered on the WCJC campus by special appointment with the Testing Center. A fee of \$77, payable to CLEP, and \$15, payable to WCJC Business Office, is required for each CLEP examination. Total cost per test is \$92. Grades of A (70-79), B (60-69), and C (50-59) are granted with credit in the following courses:

CLEP Subject Test	WCJC Courses & Credit in Semester Hours*
Chemistry	CHEM 1411, 1412 (8 hours)
English Composition	ENGL 1301 (3 hours)
U.S. History I, II	HIST 1301, 1302 (6 hours)
Western Civilization I, II	HIST 2311, 2312 (6 hours)
Pre-Calculus	MATH 2312 (3 hours)
College Algebra	MATH 1314 (3 hours)
Calculus I	MATH 2413 (4 hours)
Introductory Microeconomics	ECON 2302 (3 hours)
Introduction to General Psychology	PSYC 2301 (3 hours)
Life Span/Growth & Development	PSYC 2314 (3 hours)
Introduction to Sociology	SOCI 1301 (3 hours)
Spanish	SPAN 1311, 1312: (8 hrs. if score is 50-59; grade of "C") SPAN 1311, 1312, 2311: (11 hrs. if score is 60-69; grade of "B") SPAN 1311, 1312, 2311, 2312: (14 hrs. if score is 70-80; grade of "A")

*\*The maximum number of semester credit hours that may be earned by exam is 16.*

### OTHER CREDIT BY EXAM OPTIONS

Grade of "A" in English 1301 (three semester hours) is granted based upon an English Enhanced

Score of 31 or more on the ACT or a score of 670 or more on the SAT – Verbal.

### CREDIT FOR MILITARY TRAINING

Wharton County Junior College may grant credit for military training or coursework, if material covered in the military school is comparable to the material taught in the WCJC course. Students who wish to have their military transcript evaluated for possible credit must contact the office of Admissions and Registration to initiate the review process. WCJC department heads or division chairs will determine whether or not credit may be granted and for which course.

### CREDIT FOR INTERNATIONAL COURSEWORK

Wharton County Junior College will grant credit (grade of "A") on International Baccalaureate Higher Level (unless otherwise noted) tests for the following courses:

IB Level Exam	Higher	Minimum Score Required	WCJC Courses	Credit Hours
Biology		4 5	BIOL 1406 BIOL 1406 and 1407	4 8
Chemistry		4 5	CHEM 1411 CHEM 1411 and 1412	4 8
Economics		4	ECON 2301	3
English: Lang A		4	ENGL 1301	3
Fundamentals of Music		5	MUSI 1301	3
German Language		4 5	GERM 1411 and 1412 GERM 1411, 1412, 2311, 2312	8 14
Math (Standard Level)		4 5	MATH 2312 MATH 2312 and 2413	3 7
Philosophy		4	PHIL 1301	3
Physics		4	PHYS 1401 and 1402	8
Psychology		4	PSYC 2301	3
Spanish Language		4 5	SPAN 1311 and 1312 SPAN 1311, 1312, 2311, 2312	8 14
Visual Arts		5	ARTS 1311	3

*\*For IB the maximum number of credit hours awarded will be 24. An equal number of hours must be earned in "face-to-face" classes at WCJC before credit will be awarded.*



## TECH PREP PROGRAM

Tech prep is a way to start a college technical major while attending high school. In this program, students begin a course of study in high school and continue in a community or technical college. The result is a certificate or an Associate of Applied Science degree. Some technical courses may also apply toward a four-year degree.

Tech Prep programs combine the academic courses needed for success in college and the technical courses that begin to prepare students for a career.

Students in Tech Prep programs can earn college credit through: articulated technical courses, Advanced Technical Credit, Dual Credit courses, and College Board Advanced Placement.

Students receive high school credit if they successfully complete the articulated courses and may receive college credit if they enroll in college and meet all requirements of the college.

Wharton County Junior College offers Tech Prep courses in:

- Automotive Technology
- Computer Science – Computer Programming
- Computer Science – Network Administration
- Early Childhood
- Engineering Design
- Health Information Technology
- Human Services
- Office Administration
- Paralegal Studies
- Process Technology
- Welding Technology

For more information regarding Tech Prep course options students should speak with their local high school counselor and/or contact the WCJC Vocational Support Coordinator.

## Distance Education

Wharton County Junior College provides students with the opportunity to enhance their educational experience through the distance education department. Many classes are offered through the internet, ITV or blended formats.

- **ITV** – ITV provides instructional content through a two way video communication

network. It provides real-time face-to-face instruction between the instructor and students at multiple locations. In most instances, ITV courses are also web-enhanced, requiring students actively engage in an online component. This may include elements such as the submission of assignments, online testing and/or participation in discussion boards. Students should have access to the internet and be familiar with email, the web, creating and saving documents and uploading files.

- **Internet** – Internet courses are conducted almost, if not entirely (85-100%) online. Some instructors may require that students come to campus for orientations, field trips, or to take exams in an approved testing location. Students must have access to the internet and be familiar with email, the web, creating and saving documents and uploading files.
- **Hybrid** – Hybrid courses combine online learning and face-to-face instruction. These courses provide 50-85% of class instruction in an online setting. The remainder of the instruction (15-50%) takes place in traditional face-to-face setting. Students must have access to the internet and be familiar with email, the web, creating and saving documents and uploading files.

All traditional face-to-face classes may be enriched by the addition of an online component. Some courses may require students to actively engage in an online element. This may include areas such as the submission of assignments, online testing and/or participation in discussion boards. The online component may be hosted on the college's learning management system and other web location. Students should contact the instructor or check the course syllabus to determine if there is an online component.

## IS ONLINE EDUCATION RIGHT FOR ME?

Students should be confident about their computer and study skills. Review the following list of requirements to assess your readiness to take online classes.

- I know how to connect to the Internet using a browser.
- I can navigate around the internet and know how to use search engines.

- I know how to send and receive e-mail.
- I know how to do basic word processing, including cutting and pasting.
- I know how to open, save, and manage files.
- I have access to a computer with an internet connection at least 5 days a week.
- I have 9-12 hours a week to work on each online class.
- I am motivated to log in to the virtual classroom at least 5 days a week.
- I am a self-starter and can manage my time and course workload efficiently.
- I have good reading comprehension and written communication skills, and I enjoy communicating in writing.
- I am able to ask for help when I need it.
- I have good time management skills.
- I am self-disciplined.
- I have a quiet place to study and work on assignments.

Being successful in an online learning environment requires that a student have strong time-management skills. To meet the unique advisement needs of online students, all college students are recommended to visit Academic Advising. Students should consult with an advisor to determine if they are a good candidate for distance learning courses. Students can also take the Smarter-Measure Assessment located at <http://wcjc.smartermeasure.com/> to gain insight as to their learning style and level of technical expertise.

### SUPPORT FOR ONLINE STUDENTS

The Distance Education Student Handbook is published on the Distance Education section of the Wharton County Junior College website and provides web-based access to information important to online students. Students having technical issues with their online courses can get assistance by completing the Request for IT Support form or by calling (979) 532-6568. IT Support Help Desk hours are Monday through Thursday 8 a.m. – 7 p.m. and Friday from 8 a.m. – 5 p.m. during the school year.

### MINIMUM SYSTEM REQUIREMENTS

Students who enroll in an Internet or Hybrid course do not have to own a computer but they must have access to a computer with the following requirements:

- **Computer** – As a general guideline, a computer three years old or less is best. It should be running at least Windows XP, Vista, Windows 7, Windows 8, or Mac OSX.
- **Internet Access** – A satellite, DSL, or cable connection or higher is best. Dial-up connections are not recommended and will be problematic. If relying on an employer's Internet connection, be aware that firewall restrictions and policies may exist that prevent access to all or part of the course, using the college's online tools.
- **Web Browser** – For PC users, Internet Explorer 8+, Firefox 4.0+, or Google Chrome browsers are required. It is recommended that students install multiple browsers to use as options. For Mac users, it is recommended to use Firefox, Google Chrome, or Safari browsers.
- **Java Runtime Environment** – Students will need to have the Sun MicroSystem Java Runtime Environment (JRE) installed in order for certain areas of Vista and CE to function properly. Please visit the Sun website to download the latest version.
- **JavaScript** – By default, JavaScript is enabled on all supported browsers. However, if encountering problems with Vista/CE, please check the browser setting to make sure that JavaScript is enabled.
- **Third Party Cookies** – Third party cookies are allowed by default on all supported browsers. If you experience problems staying logged in to Vista/CE, please check your browser settings to make sure you allow third party cookies.
- **Pop-up Blockers** – While using Vista/CE, if you are unable to view discussion postings, quiz windows, and download links, then you may need to disable pop-up blocking for your Vista/CE website.
- **Third Party Plug-ins** – Some content within courses may require the installation of third party plug-ins such as Adobe Flash, Windows Media Player, RealPlayer, and many others. In each case there should be a notification and link informing you that you need to install a new plug-in. Be careful that you only install trusted plug-ins that are necessary for the course content. Malicious plug-ins can be dangerous to your computer.
- **Administrative Rights** – If you are not using a computer provided by Wharton County Junior College, you must have the administrative rights necessary to

download and install required programs and plug-ins on the computer you use to access your online courses.

## ONLINE STUDENT RESPONSIBILITIES

- **Attendance:** Distance Education courses require the same time commitment as traditional courses. Wharton County Junior College expects all students registered in an Internet (WWW) section to log into the course on the first day of the semester. Best practice is to log in a minimum of twice each week. Check with your instructor as he/she may have additional attendance requirements.
- **Security of Login Credentials:** Students should take care to exit the course managements system using the logout link which will end the session properly. Never end a session by only closing the browser. It is the responsibility of the student to secure his/her login credentials.

## Financial Information

### TUITION AND FEES

Tuition and fees must be paid at the time of registration each semester. Tuition and fees are charged according to the number of semester credit hours (SCH) a student enrolls in. Minimum tuition for an in-district or out-of-district resident is \$50, and minimum tuition for an out-of-state or foreign resident is \$200.

### APPLICABLE FEES

Final Registration Fee	\$25
Schedule Change Fee	\$15
Returned Check Fee	\$25
Technology Fee	\$55
CLEP Advanced Placement	\$77 to CLEP
Test Fees	\$15 to WCJC
Fee for Locally Constructed	\$12 per semester hour
Test (credit by exam)	
Lab Fee	Varies per program

WCJC Tuition and Fees *\*Tuition, fees and dormitory charges are subject to change without notice by action of the Board of Trustees or the state legislature.*

Tuition	Per SCH	3 SCH	6 SCH	9 SCH	12 SCH	15 SCH
In-district	\$32	\$96	\$192	\$288	\$384	\$480
Out-of-district	\$32	\$96	\$192	\$288	\$384	\$480
Out-of-state	\$64	\$192	\$384	\$576	\$768	\$960
<b>Fees</b>						
General Service fee	\$56	\$168	\$336	\$504	\$672	\$840
Out-of-district student fee	\$51	\$153	\$306	\$459	\$612	\$765
<b>Total Tuition and Fees</b>						
In-district	\$88	\$264	\$528	\$792	\$1056	\$1320
Out-of-district	\$139	\$417	\$834	\$1251	\$1668	\$2085
Out-of-state	\$171	\$513	\$1026	\$1539	\$2052	\$2565

### TUITION INSTALLMENT PLAN

Students may pay in full at the time of registration or they may pay on the installment plan:

<b>Fall and Spring Installment Plan Deadlines</b>	
<b>Prior to 1<sup>st</sup> day of class:</b>	50% of tuition and fees + non-refundable \$35 fee
<b>Prior to the start of the 6<sup>th</sup> class week:</b>	25% of tuition and fees
<b>Prior to the start of the 11<sup>th</sup> class week:</b>	Final balance due (remaining 25%)
<b>Summer Session Installment Plan Deadlines</b>	
<b>Prior to 1st day of class:</b>	50% of tuition and fees + non-refundable \$35 fee
<b>Summer I – Second Installment:</b>	Final balance due (remaining 50%) June 30th
<b>Summer II – Second Installment:</b>	Final balance due (remaining 50%) July 31st

A \$35 fee will be assessed for each late installment payment. Installment plans must be executed prior to the first day of class.

Early registrants may select a four-payment plan in which each payment is 25% of the total in the fall and spring semesters. Early registrants may select a two-payment installment plan for the summer sessions. A \$35 non-refundable fee will still be added to the first payment.

### ROOM AND BOARD FEES

\*Includes 8.25% sales tax

A dorm resident student must qualify as a full-time student (minimum 12 semester hours) to live in a residence hall [Reg. 513].

Brooking Dorm for Women	\$600 per semester
Mullins Hall for Women	\$700 per semester
Frankie Hall for Men	\$700 per semester
Board in College Cafeteria (meal plan)*	\$1250 per semester
<i>*All dormitory students are required to take the cafeteria meal plan.</i>	

Room charges and the first board payment are due and payable at the time of registration and must be paid before occupancy is permitted. Students are required to show their receipts for payment to be admitted to dorms.

Dormitory residents are required to make a deposit of \$200 to reserve a room and to cover possible property damages. To cancel the residence hall reservation and contract, the student must submit a request in writing to the Housing Office 15 calendar days prior to the first day of class. Returning residents must make additions to their deposit if damages were withheld to maintain a \$200 balance prior to each semester in which they return as a resident. For non-returning residents, the deposit is refundable at the end of the semester upon written request of the student, if all provisions of the housing contract have been satisfied. A student who vacates the dorm because of withdrawal from WCJC or graduation will have up to 12 months from the end of the semester to request the return of the deposit. If not requested within this time period, the deposit will be forfeited to the college.

Dormitory and room assignments are made according to the date the deposit is received. All efforts are made to accommodate student requests for dormitory and/or roommate preference.

Three meals a day are served Monday through Friday, two meals on Saturday, and one meal on Sunday. The cafeteria is closed during holidays. The snack bar is open at scheduled times on weekdays. Dormitories and the cafeteria are closed during official college holidays as specified in the college's academic calendar, and during these holidays students are expected to arrange for other housing and meals.

Dormitory and cafeteria charges are subject to change without notice by action of the Board of Trustees.

Students may request further information by contacting the Office of Student Services. The Housing Application form is available in the back of this catalog and may be mailed.

## REFUNDS

Regulations of The Texas Higher Education Coordinating Board (THECB) govern refunds. Approximately eight weeks after the start of a semester, a check is mailed to the address left by the student. Students who officially drop a course or withdraw from all classes are granted refunds of tuition and mandatory fees. For additional information, please refer to the college website at: [www.wcjc.edu](http://www.wcjc.edu).

## REFUNDS FOR CONTINUING EDUCATION

The college's refund policy for continuing education classes is as follows:

- Students requesting refunds at least three full working days prior to the first class meeting receive a 100% refund of all tuition and fees unless an earlier refund date is published for an individual course, seminar, workshop, conference, or other noncredit offering or program.
- No refund of tuition or fees is issued for requests received fewer than three full working days prior to the first class meeting unless a different refund date is published for an individual noncredit offering.

## REFUNDS FOR ROOM AND BOARD

When a student is dismissed from the residence hall or vacates the residence hall for any reason during the semester, the board payment and room rent will not be refunded.

## DELINQUENT ACCOUNTS AND RECORDS

Students are required to complete all admissions requirements, to return all college-owned property and to make payment of tuition, fees, and fines owed the college or grades and transcripts will be withheld.

Students with delinquent accounts are not eligible for graduation or participation in graduation ceremonies.

***Requests for student information must be authorized in person or in writing by the student.***

## PARKING

Students who park motor vehicles at any Wharton County Junior College location must register their vehicles and receive a parking permit. The parking permit must be attached to the rearview mirror in accordance with college instructions. Violators of college traffic and parking regulations are subject to fines and/or other appropriate disciplinary action. Illegally parked vehicles are subject to towing at the owner's expense. Parking and traffic regulations are set forth in detail in the *Student Handbook*.

## TEXTBOOKS AND SUPPLIES

Barnes & Noble operates bookstores on the Wharton, Sugar Land, and Richmond campuses for the convenience of students. Used and new books are sold at the beginning of the semester. At the end of the semester those books that are to be continued as textbook selections may be purchased from owners for resale. The bookstores also carry many supplies required for the courses offered.

## FINANCIAL AID

The financial aid program at Wharton County Junior College is designed to provide financial assistance through scholarships, grants, loans, and on-campus employment. Inquiries concerning student aid should be addressed to the Office of Financial Aid.

Applications for financial aid should be completed accurately and received in the Financial Aid Office along with any additional required forms by the priority deadline.

Financial aid eligibility is determined for only one year at a time. All approvals are based on the assumption that Congress will appropriate funds for the various programs; consequently, approved aid terminates if money is not allocated to Wharton County Junior College.

To be eligible for financial assistance, a student must:

1. Be accepted for enrollment (new students) or, if currently enrolled, be in good standing;
2. Not be in default on any student loan;
3. Not owe a refund on a grant previously received at any institution;
4. Meet WCJC's satisfactory academic progress policy.

## SATISFACTORY ACADEMIC PROGRESS (SAP)

Under current federal law, all students who receive federal or state financial aid must be making satisfactory academic progress as defined by the College in order to receive or continue to receive aid. The following are the requirements at Wharton County Junior College (WCJC).

1. All recipients of financial aid must be enrolled in a program of study leading to an associate's degree, an eligible certificate, or program that is transferable toward a baccalaureate degree.
2. Students receiving financial aid must maintain a 2.0 cumulative grade point average on all college level credit hours (this includes developmental studies credit hours) attempted in order to remain eligible for financial aid.
3. Students receiving financial aid must complete 70% of all credit hours attempted regardless of whether financial aid was received for the credit hours. For example see the table below:

### Enrollment in this many credits MUST complete this many credits

6 credits	5 credits
9 credits	7 credits
12 credits	9 credits
13 credits	10 credits
15 credits	11 credits
18 credits	13 credits

4. A student is only eligible for financial aid for up to 150% of the credit hours required in their program. (Eligibility is lost beyond this limit).
  - Example: An Associate of Arts Degree with a Business Administration concentration requires 65 credit hours.  $65 \text{ credit hours} \times 150\% = 97.5$  credit hours, after 97.5 credit hours eligibility for financial aid is lost. Generally, students are notified by the financial aid office once they reach the 90 credit hour level.
5. Satisfactory progress will be measured three times per year, at the end of each semester, fall, spring and summer. The evaluation will be made regardless of the number of credit hours attempted during the semester.
6. Course work attempted and grades earned in semesters forgiven through the State of Texas "Academic Fresh Start" program will

- be included in the Satisfactory Progress Calculation.
7. Grades of A, B, C and D are considered credit hours attempted and successfully completed (earned).
  8. Grades of F, I (incomplete) and W (withdrawals and drops) are counted as credit hours attempted but not successfully completed (unearned).
  9. Course repeats are counted as attempted credit hours and either earned or unearned depending upon the grade assigned as noted above. Last grade is included for GPA purposes.
  10. Only the first two attempts of a course completed with a passing grade can be paid by financial aid. The third attempt cannot be included for payment purposes.
  11. Financial aid is available for only the first 30 semester credit hours of remedial coursework attempted. Remedial coursework is counted in the 70% completion rate.
  12. Students who receive all F's, W's or I's or a combination of these will be placed on financial aid suspension. Students placed on suspension as a result of this action (receiving all F's or W's for an enrollment period) that can document mitigating circumstances for a withdrawal need to report to the financial aid office as soon as possible with information /documentation regarding their circumstances. These circumstances include but are not limited to:
    - Student health issues that resulted in withdrawal from the college
    - Verifiable errors by college that resulted in withdrawal
    - Deployment into active military service
  13. Students not meeting the minimum Satisfactory Academic Progress criteria at the end of their warning period will be suspended from receiving financial aid.
  14. Students placed on "suspension" may continue to enroll at the College but must pay for their coursework from their own funds.
  15. Financial aid eligibility will be reinstated after a student meets the Satisfactory Academic Progress criteria (listed above), both the completion rate (70%) and cumulative grade point average (2.0). Students who regain eligibility by completing required coursework must notify the Financial Aid Office in order to have their progress reevaluated.
  16. A student who has been suspended from financial aid for failure to meet the satisfactory progress requirements outlined in this policy due to mitigating circumstances may appeal the decision by completing an appeal form, explaining their mitigating circumstances, and providing appropriate documentation to support their claim. Appeals without documentation will not be considered.
  17. A student must be able to meet the satisfactory academic process requirements within one semester or an appeal cannot be approved.
  18. When a student's appeal is approved, they are placed on a financial aid probationary status for one semester. Probationary students who do not meet the satisfactory progress requirements will again be suspended.
  19. Students who have had a prior appeal approved (probationary status) must complete a minimum of 12 semester credit hours (100% completion) with a 2.0 GPA without the benefit of financial aid in order to file another appeal.
  20. When the number of credit hours required for completion of a degree plus the number of credit hours attempted (including transfers) exceeds 150% of the hours required for a degree, the student becomes immediately ineligible for further financial aid. (Maximum Time Frame Suspension).
  21. Appeals for attempting beyond the maximum time frame require a copy of the degree plan signed by the advisor and an appeal form explaining why the additional coursework is necessary. The student must be meeting the 70% and 2.0 GPA for all hours attempted in order for the appeal to be reviewed by the committee.

#### **STUDENT RESPONSIBILITY**

Students are responsible for understanding and monitoring their own satisfactory progress status. Although the Financial Aid Office attempts to notify student of their financial aid status, failure to receive notice does not affect the calculated status and is not a reason to appeal.

Wharton County Junior College does not discriminate on the basis of race, color, age, marital status, national origin, religion, sex or disability.

### **EFFECTS ON FUNDING**

Financial Aid will NOT be provided for certain courses. Please be aware of the following stipulations:

- Financial aid does not apply to courses taken by audit, credit hours earned by placement tests, continuing education courses and courses taken outside a student's degree plan
- A grade of "F" will be counted in the GPA
- Withdrawals and repeated courses will be counted toward all hours attempted
- Federal regulations do not allow rounding of financial aid SAP standards. For example, a 69% completion rate would not meet the 70% completion rate standard and a GPA of 1.95 does not meet the 2.0 standard.

### **APPLICATION PROCEDURE**

Each student requesting consideration for financial assistance during the school year (fall semester through summer session II) must complete and file a current Free Application for Federal Student Aid (FAFSA). This application is available from online at [www.fafsa.ed.gov](http://www.fafsa.ed.gov).

Students who have attended other post-secondary institutions must supply the Office of Financial Aid with the academic transcripts from each institution attended.

Information obtained from the Student Aid Report and the Student data Form is used to determine the student's financial need and the types of awards for which the student qualifies. Awards made through WCJC's Office of Student Financial Aid fall into two categories: (1) gift aid, which includes grants and/or scholarships and (2) self-help funds, which include the College Work-Study Program and long-term educational loans. The amounts offered as a financial-aid award plus the student's resources and those of the parents (if the student is dependent according to the Federal Government's guidelines) cannot exceed the cost of attendance as determined by the Office of Financial Aid.

Federal law requires that actual (not estimated) financial information be included on the Free Application for Federal Student Aid.

After establishing the student's financial need, the Office of Financial Aid constructs a financial-aid package. This package may be a combination of grants, college work-study, and/or loans. After the application has been reviewed and processed, all applicants are notified by mail of their eligibility.

### **AWARD POLICY**

Eligible full-time students may receive an award to help cover the cost of tuition, fees, books, and other necessary expenses in the form of a financial-aid package. Awards will be adjusted according to hours of enrollment for students taking less than a full-time course load.

### **PRIORITY DEADLINES**

Applications for financial aid should be completed accurately. All applications, along with the additional required forms, must be received in the Office of Financial Aid by the following dates:

Fall semester – June 1<sup>st</sup>  
Spring semester – November 1<sup>st</sup>  
Summer semester – April 1<sup>st</sup>

For priority consideration, the Free Application for Federal Student Aid (FAFSA) should be submitted four to six weeks PRIOR to the above deadline dates. The Office of Financial Aid will continue to process files completed after the deadline; however, it cannot assure that aid will be available at registration. Corrections to an application or verifying unusual conditions delays processing.

### **REFUND POLICY**

Federal regulations require return of funds for all students who receive Federal Title IV aid and subsequently withdraw during a payment period (i.e. a semester). The length of time during which a return of funds is calculated is up to sixty percent (60%) of the semester. Students not receiving federal funds are subject only to Wharton County Junior College's refund policy. Students who receive all F's are considered to have withdrawn at 50% of the payment period.

The refund is applied to student's financial-aid awards in the following order:

1. Federal Unsubsidized Stafford Loan
2. Federal Stafford Student Loan
3. Federal Plus Loan
4. Federal Pell Grant
5. Federal Supplemental Education Opportunity Grant
6. Other state and local aid

Wharton County Junior College makes all refunds in compliance with current federal regulations.

## GRANTS

Federal Pell Grants authorized by the Higher Education Act of 1972, provide assistance to needy undergraduate students. Unlike a loan, the Pell Grant does not have to be repaid.

The Federal Supplementary Educational Opportunity Grants (FSEOG) program is intended for students of all levels of academic performance. The primary criterion for student eligibility for SEOG is financial need by the student who, without the grant, would be unable to continue his or her education.

The Texas Public Education Grant (TPEG) program is funded through tuition payment and is available for students with exceptional financial need.

The Texas Educational Opportunity Grant (TEOG) program was established to provide grant money to enable well-prepared eligible students to attend public community colleges, technical colleges or public state colleges in Texas. To be eligible for this grant the student must be a Texas resident that has financial need and is applying for his/her first award. The student's expected family contribution cannot be more than \$2,000. To be eligible for this grant the student cannot have been convicted of a felony and must be enrolled at least half time. This grant is continuous for up to 75 semester hours, for four years, or until the student receives an associate's degree, whichever comes first. To remain eligible the student must maintain a 2.5 GPA and complete 75% of his/her attempted courses.

## CHANGING SCHOOLS

Financial Aid does not automatically transfer when a student transfers to another school. Students should contact the Office of Financial Aid at the new school as soon as your decide to transfer.

## SCHOLARSHIPS

The following scholarships are awarded by Wharton County Junior College. Applications should be directed to the Student Financial Aid Office (979) 532-6345.

The **Rachel Haden Abshier Memorial Scholarship** has been endowed by Mrs. Priscilla Sliva, daughter of Rachel Haden Abshier, her family, and friends. Income from the fund will provide a scholarship to a Wharton High School graduate who will be majoring in nursing at Wharton County Junior College.

The **Sol and Betty Alpard Endowment Scholarship Fund** was established in January 1983, and the proceeds are used to assist students based upon need and ability to profit from a college education.

The **American Association of University Women Scholarship** was established in July 1973. It is awarded to a female student on the basis of need and scholastic ability. Both freshman and sophomore students are eligible for the scholarship.

The **Zula Mae Baker Scholarship** fund has been endowed by the friends of Ms. Baker.

The **Barnes and Noble Endowed Scholarship** was established by the Barnes and Noble Bookstore in 1993, to assist returning sophomore students holding a minimum 3.5 GPA for previous work at WCJC.

The **Don Baylor Memorial Chemistry Scholarship** was established by Mrs. Don Baylor and Mr. Jack Brannon in memory of Mr. Don Baylor, a long-time chemistry teacher at Wharton County Junior College. The amount of the scholarship is up to \$400 per semester. Need and scholastic ability to profit from a college education are the basis upon which the award is made.

The **Virgie and W. H. Blaylock Memorial Scholarship Fund** was established by Virgie C. Krueger Blaylock of Wharton, Texas, as a memorial to her late husband, W. H. Blaylock. The income from this endowment is used to provide scholarships to high-school graduates from Jackson, Matagorda, and Wharton counties.

The **C. Francis Bowie and May Shelmire-Duncan Memorial Scholarship** was endowed by Mr. and Mrs. G. Cameron Duncan, Sr.; their sons, G. Cameron Duncan, Jr. and Francis Bowie Duncan;



and their daughters, May S. Duncan and Genevieve L. Duncan to honor their parents and grandparents, Mr. Francis Bowie Duncan and Mrs. May Shelmire-Duncan. Mr. and Mrs. Duncan were pioneer ranchers and cattle breeders in Wharton County near the town of Egypt. The permanent endowment provides annual scholarship assistance to students from the Egypt area selected by the Wharton County Junior College Scholarship Committee.

The **Melissa Chambers Scholarship Fund** was endowed by donations from family and friends. Income from the fund provides one scholarship annually to qualified students.

The **L. E. Colton Scholarship** was established by the late Mr. L. E. Colton, former owner of Wharton Electric and Plumbing Company. Since 1960, this endowment has made scholarships available to residents of the Wharton County Junior College District. Need and ability to profit from a college education are the basis upon which the awards are made.

The **Duncan Wills Corbett Endowed Scholarship** was established in May, 2005 and the proceeds are used to assist students in the nursing program and attending the Wharton Campus.

The **Del Papa Distributing Company College Endowment** was established in 2010 to commemorate the company's 100<sup>th</sup> year of business. Del Papa Distributing, founded in 1910, first opened its doors in Galveston, Texas, and now serves 17 counties along the Texas Gulf Coast. The purpose of this endowment is to give back to the communities who have helped in the success of the business over its 100 year history.

The **Exceptional Eye Care Scholarship** was established by Faris Ohan, O.D. to assist needy students from Wharton who are enrolled in an Associate in Applied Science Degree program.

The **Fine Arts Scholarship Fund** was established through the generous donations of supporters of the arts. The amount of each scholarship is up to \$500 per semester. This award is made on the basis of talent in the fields of drama, forensics, and music.

The **H.O. Galloway Memorial Scholarship** was established by family and friends in memory of Mr. H. O. Galloway, a long-time agriculture instructor at Wharton County Junior College.

Proceeds from the endowment are used to fund a scholarship for a deserving agriculture student.

The **T. Gordon Endowment Scholarship** was established in November 1963 by Mr. Toby Gordon, who was interested in providing financial aid to deserving students. Under the terms of the endowment, interest from \$1,000 is used annually for a scholarship. This scholarship is open to either freshman or sophomore students.

The **Harold Hansen Endowment Scholarship** was established in 1982, and the proceeds are used to assist students based upon need and ability to profit from a college education.

The **Chester Harris Endowment Scholarship** was established in 1983, and the proceeds are used to assist students based upon need and ability to profit from a college education.

The **Anna Harrison Endowment Fund** has been endowed by donations from Dental Hygiene alumni in honor of Anna T. Harrison. The recipient must be a Dental Hygiene student and will be selected by the Dental Hygiene faculty according to financial need.

The **W.C. Hastings Family Scholarship** was endowed by Mr. and Mrs. W. C. Hastings and their sons, Robert C. and William L. Hastings. Income from the fund provides three scholarships annually to qualified students in vocational nursing, pre-pharmacy, associate degree nursing, or other health-related fields.

The **Charles Hermansen Memorial Scholarship** was established in January 1985, and the proceeds are used to assist students who are graduates of El Campo High School based upon need and ability to profit from a college education. The scholarship is awarded by El Campo High School.

The **Mary Jo Hlavinka Scholarship** was established in 1991 and is awarded to a music major who has completed the freshman curriculum at Wharton County Junior College. The scholarship is based on talent, attitude, extent of participation in college concerts, and grade-point average.

The **M.G. and Lillie A. Johnson Scholarship Fund** was established in 1988 by the trustees of the M. G. and Lillie A. Johnson Foundation of Wharton. The proceeds of this permanent endowment are used each year to provide scholarship support to students enrolled in medically related programs at the college. Applications are made to the Director

of Financial Aid, and scholarship recipients are named by the WCJC Scholarship Committee.

The **Harris and Eliza Kempner Scholarship** was established in 1988, and the proceeds are used to assist students based upon need and ability to profit from a college education.

The **Minnie Koons Endowment Scholarship** was established in 1985, and the proceeds are used to assist students based upon need and ability to profit from a college education.

The **Julius LaDieu Industrial Trades Scholarship** was established in 1988 by Lucy LaDieu and friends, and the proceeds are used to assist students in the industrial trades based upon need and ability to profit from a college education.

The **Donald Paul Losack Endowed Scholarship** and the **Martha V. Losack Endowed Scholarship** was established in 2006, by Donald Losack to honor his mother. The proceeds are used to assist students whose families reside in areas served by Wharton County Junior College.

The **Lucy Macha LaDieu Endowed Scholarship for Women in Business Vocations** was established to assist women who reside in the WCJC taxing district, who desire a career in a business-related discipline, who need additional financial assistance, and who desire to earn the Associate of Applied Science degree.

The **Linnie Leroux Endowment Scholarship Fund** was established in April 1983 with \$5,000 (with interest earned) bequeathed to the college for the purpose of providing scholarships to needy individuals seeking to enter Wharton County Junior College.

The **Wilma Mason Memorial Scholarship** was endowed by Mr. E. O. Mason and friends in memory of his wife and their esteemed friend, Mrs. Wilma Mason, to provide scholarship assistance to students in a nursing program.

The **William R. McAllister Memorial Scholarship** was established in December 1993 in memory of Dr. William R. McAllister by his many friends, students, and family. Dr. McAllister was a respected scholar in his field of study and admired by all who knew him. The income from this endowment is used to assist students based upon need and scholastic ability.

The **Will Northington Meriwether permanently Endowed Scholarship** was provided by his wife of more than 30 years, Ednamaye Reese Meriwether, upon his death in 1968. He was a lifelong resident and rancher in the Egypt community. He was an ardent supporter of FFA, giving generously to youth activities and was supportive of many educational activities. Over time, he provided numerous private scholarships to WCJC. Proceeds from this scholarship may be awarded by the WCJC Financial Aid Department to Wharton County residents east of the Colorado River and north of U.S. Highway 90. Students awarded this scholarship must make satisfactory academic progress in a degree program.

The **Irving Moore, Jr. Memorial Scholarship** was established in 1998 by the Trustees of the M. G. and Lillie A. Johnson Foundation. Recipients must attend the college's main campus in Wharton.

The Wharton County Junior College **Music Major Scholarship** can be awarded to any student who auditions successfully for the Wharton County Junior College Pioneer Band and enrolls in the college as a full-time music major. The scholarship is awarded to a student that shows exceptional potential musically and academically.

The **Jessie L. Myatt and Minnie Mae Myatt Endowment Fund** is an endowment of \$50,000 which was given to the college in February 1983. The interest earned from the cash contribution is used to provide assistance to deserving students who reside within the Wharton County Junior College District and who have attained a 2.0 or better GPA or is used to purchase instructional program equipment. The specific disposition of the fund is determined by a committee appointed by Minnie Mae Myatt.

The **Frances A. Nelson Scholarship** was established in December 1987, and the proceeds are used to assist students based upon need and ability to profit from a college education.

The **Ney/Arnold Memorial Scholarship** was established in 2003 by Kenneth and Betsy Arnold Cates in honor of her parents, Samuel E. "Hank" Arnold and Kitty Belle Ney Arnold. It is available to Eagle Lake residents who are Rice High School graduates.

The **George H. Northington, Sr. Scholarship** was established in 1961 in memory of one of Wharton County's pioneer settlers—George H. Northington, Sr., of Egypt, Texas. A gift of \$4,000 was given

anonymously by "one who benefited from Mr. Northington's help and encouragement." Income from the gift is used to pay tuition and fees for as many male students as possible that reside in Wharton and Colorado counties.

The **Jerald W. and Anne K. Obenhaus Endowment Scholarship** was established in 1982 in memory of Jerald W. and Anne K. Obenhaus of Bonus, Texas, by family members. This scholarship is available to high-school graduates on the basis of need and scholastic ability to profit from a college education. Recipients must reside in Wharton or Colorado counties. Application should be made to the Obenhaus Scholarship Fund, Box 433, East Bernard, Texas 77435.

The **Ty Pate Memorial Endowed Scholarship** was established in 2011 by his friends and colleagues to honor Ty Pate. Dr. Pate was a former student of WCJC and longtime faculty member and administrator that possessed a great love for education and its students and faculty.

The **J. R. Peace Endowment Scholarship** was established in December 1966. Earnings from the endowment fund are used for a scholarship in the amount of \$50 per semester for a sophomore student in a vocational/technical program.

The **Lawrence J. Petersen Endowed Scholarship** was established in memory of Lawrence J. Petersen who was a third generation cotton farmer in Danevang, Texas, who also served many years on the Board of Trustees of Wharton County Junior College.

The **Phillips-Hartmann Scholarship** was established in 1993 and is used to assist a graduate of Lamar Consolidated ISD based upon need, scholastic standing, and the ability to profit from a college education.

The **Frankie/Pickett Scholarship** was established by donations from former members and friends of Wharton County Junior College's athletic programs under coaches Johnnie Frankie and Tom Pickett. The income from this endowment is used to provide scholarships to members of Wharton County Junior College's athletic programs.

The **Miriam Russ Powell Scholarship** was established by her family in her memory. Mrs. Powell was a dedicated teacher with the Wharton Independent School District and taught continuing education courses at Wharton County Junior College. The amount of the scholarship is \$1000

per year. Recipients are selected by the WCJC Scholarship Committee.

The **Danny Preston Memorial Scholarship** was established by his parents, Mr. and Mrs. V. M. Preston. The award is made to a graduate of Wharton High School on the basis of need and ability to profit from a college education. The recipient is selected by the high-school principal and/or counselor. The amount of the scholarship is \$100 per year.

The **Frank C. Prochaska Memorial Scholarship** has been endowed by the Frank C. Prochaska Family and Friends in memory of Frank C. Prochaska who was an Instructor of Economics at WCJC for 36 years. Because of Mr. Prochaska's dedication to the field of education, this fund will provide one scholarship annually to students who graduate from Wharton or Boling High School who will benefit from the financial assistance while pursuing an education.

The **Betty and Lowell Raun Endowment Scholarship** was established in January 1988, and the proceeds are used to assist students based upon need and ability to profit from a college education.

The **Mary Ann Rider Roades Memorial Scholarship** has been endowed by her husband of 54 years, Edgar Roades. Mary Ann graduated from Boling High School in 1947, and enrolled at Wharton County Junior College. There she met Edgar Roades a graduate of El Campo High School. Mary Ann was an outstanding student and became a member of the newly organized Zeta Xi Chapter of the Phi Theta Kappa fraternity of WCJC in February, 1948. Not only was Mary Ann an outstanding student she was an outstanding person who was always full of love for her God, family and friends. A compassionate and generous person she was always available to provide assistance to anyone who needed her. Income from this endowment will provide assistance annually to at least one graduate from Boling High School, and at least one graduate from El Campo High School.

The **C. H. "Ham" Rugeley Nursing Fund** was established by donations of \$4,000 in 1982. The interest earned is used to provide assistance for a nursing major (LVN or ADN) showing financial need and scholastic ability. Other conditions apply.

The **J. Daniel Schuhmann Endowment Scholarship** was established in 1988, and the proceeds are used

to assist students based upon need and ability to profit from a college education.

The **Betty and Lloyd Shoppa Scholarship** has been endowed by the family and friends of Betty and Lloyd Shoppa. Income from this endowment will provide assistance annually to at least one full-time student from the areas served by Wharton County Junior College.

The **Maner Stafford Endowment Scholarship** was first awarded as a scholarship in the fall of 1969 by Mr. and Mrs. Maner Stafford of Wharton. In 1979, the scholarship was altered to become a permanent endowment, establishing regular income to be used for scholarships. Selection of recipients is made each year by the WCJC Scholarship Committee.

The **Guy F. Stovall, Sr. Memorial Scholarship** awards two scholarships that were established by Mrs. Guy F. Stovall, Sr., and Mr. Guy F. Stovall, Jr. in memory of Mr. Guy F. Stovall, Sr. The amount of each scholarship is \$300 per year. Need and ability to profit from a college education are the bases upon which the awards are made.

The **Florence M. Trull Memorial Scholarship Fund** was endowed by The Trull Foundation of Palacios and by Robert B. Trull, Margaret S. Trull, Jean Trull Herlin, Gladys Trull Brooking, and Laura Trull Shiflett to honor their mother, Florence Margaret Roberson Trull. Mrs. Trull was born in Kingman, Kansas, on August 7, 1888. After graduating from Washburn College in Topeka, Kansas, she married B. W. Trull and moved to Texas. They lived first in Midfield, then in Palacios on the Texas Gulf Coast. The Trulls were active in banking, farming, real estate, and mineral interests. Mr. Trull died in 1957; and Mrs. Trull passed away on December 13, 1984, after a short illness. Always a compassionate and generous person, Mrs. Trull, together with her children, established The Trull Foundation in 1967 for religious, charitable, and educational purposes.

The **Joe Mike Valenta and Becky Valenta Rolf Endowment Scholarship Fund** was established in January 1977 in memory of Joe Mike Valenta. Income from the endowment is used to provide assistance to at least two students annually from the Boling Independent School District. Recipients are selected by the WCJC Scholarship Committee.

The **W. W. Wendtland Music Scholarship** was established in February 1988, and the proceeds

are used to assist music students based upon need and ability to profit from a college education.

The **Clinton Phillip White Memorial Scholarship** has been endowed by his wife of 54 years, Wanda White. Clinton graduated from Boling High School in 1948 excelling in all sports activities and winning a scholarship to play football at Wharton County Junior College. It was at WCJC that Clinton met his future wife. Clinton was a football star and Wanda was a twirler at WCJC. Clinton was a dedicated employee of Texas Gulf Sulfur for 40 years. Clinton taught himself to play the trumpet and won a music scholarship to Sam Houston State University where he was spotlighted in their spirit that was loved by everyone. There were no limits to his interests in our world and his ability to express that compassion to all of those lucky enough to have been around him. Income from this endowment will provide assistance annually to graduates from Boling High School and from Wharton High School.

The **Nancy Stephens Woodson Memorial Endowment Scholarship** was established by the family of Nancy Stephens Woodson in 1998 and is awarded to one or more theatre students each year. Recipients are chosen by a committee from the WCJC Speech and Drama Department.

The **Valedictorian Scholarship** is offered to the highest-ranking graduate of every fully accredited high school in Texas by the Wharton County Junior College Board of Trustees. A tuition exemption for each semester of the freshman year will be offered. The superintendent or principal of the high school must certify the name of the honor graduate to the Texas Education Agency. Application is not necessary.

The **Wharton Business and Professional Women's Club Fund** was established in 1997. The proceeds of this permanent endowment are used to provide a scholarship to students in financial need and with educational potential.

The **Wharton County Junior College Alumni Association Scholarship** was established by the Wharton County Junior College Alumni Association in 1993. It provides annual scholarship assistance in the amount of \$600.00 to students who will benefit from a college education. Selection of scholarship recipient(s) is made by the Wharton County Junior College Alumni Association Scholarship Awards Committee appointed by the Association's Board of Directors. Award of scholarship assistance is made without regard for race, color, creed, sex, or handicap. Applicants

must use an Alumni Scholarship Form that may be obtained in the Financial Aid Office or the Alumni Office, both located on the Wharton campus.

The **Wharton County Junior College Alumni Association Memorial and Honorarium Scholarships** were established in 1998 in recognition of people who have helped the college's alumni to achieve their goals. Scholarships are awarded by the Alumni Scholarship Committee. Scholarships are awarded based on grades, financial need, and area of interest. Applicants must use an Alumni Scholarship Form that may be obtained in the Financial Aid Office or the Alumni Office, both located on the Wharton Campus.

The **Wharton County Junior College Board of Trustees Scholarships** are made available to outstanding students in the fields of music, athletics, drama, and art. These scholarships are awarded through competitive examinations and/or auditions. Arrangements should be made through the heads of WCJC's Athletic Director or the Chair of the Communications and Fine Arts Division. All financial aid and other scholarships must be applied to tuition, fees, room and board before Board of Trustees scholarship money is applied.

The **Wharton County Junior College Board of Trustees High Honor Scholarship** was established by the Board of Trustees in December 1973. A High-Honor tuition and fee scholarship is awarded to high-school graduates who rank in the top five percent of their graduating class.

- Tuition and fee scholarships are awarded to full-time freshman students entering Wharton County Junior College who graduated from a public high school within the college service area (approximately 55 mile radius of the college). Weimar and Industrial High Schools are outside this radius but are considered within the Wharton County Junior College service area. Final decisions regarding fringe area schools are determined by the Financial Aid Committee.
- All financial aid and other scholarships must be applied to tuition, fees, room and board **before** Board of Trustees scholarship money is applied.
- Students must maintain a minimum of 3.0 grade-point average to retain the scholarship for the second semester.

The **Wharton County Junior College Booster Club Scholarships** were established in 1974. The awards are made each year to residents of the Wharton County Junior College District and are based on need and educational potential.

The **W.W. Wendtland Scholarship in Music** has been endowed by Dr. William W. Wendtland and his mother, Mrs. Lillie W. Wendtland to encourage and support the study of music at Wharton County Junior College. Dr. Wendtland was band director for the college from fall 1968 to through Spring 1978 and was an inspiration to all who participated in his music program. The permanent endowment provides annual scholarship assistance to students of music and is awarded by the WCJC Scholarship Committee. Recipients may receive this scholarship for a maximum of four consecutive semesters provided they remain in good academic standing.

#### **OTHER SCHOLARSHIPS**

The following scholarships may be available to qualified applicants. Applicants should contact donors directly for award availability.

ADN Club Scholarship Fund, Wharton, Texas  
American Legion Auxiliary, Rowland Mays Post 87,  
Wharton, Texas  
American Legion, Rowland Mays Post 87,  
Wharton, Texas  
American Rice Growers Cooperative Association,  
Eagle Lake, Texas  
Anne McCormick Sullivan Firefighter Scholarship  
Sugar Land, Texas  
Angleton Busy Bee Homemakers Extension Club,  
Angleton, Texas  
Association of Oil Well Servicing Contractors,  
Dallas, Texas  
Boling Bull Shooters, Boling, Texas  
Catholic Women's Fraternal Order of Texas, The  
K.J.Z.T., Austin, Texas  
Eagle Lake Knights of Columbus, Eagle Lake, Texas  
Eagle Lake Rotary Club, Eagle Lake, Texas  
El Campo Food Services Association, El Campo,  
Texas  
El Campo Knights of Columbus, El Campo, Texas  
El Campo Lions Club, El Campo, Texas  
El Campo Rotary Club, El Campo, Texas Fiesta  
Hispanica Americana, Wharton, Texas Fort  
Bend County Fair Association, Rosenberg,  
Texas  
Fort Bend County 4-H Adult Leaders' Association,  
Rosenberg, Texas  
Fort Bend County L.U.L.A.C. Council No. 188,  
Rosenberg, Texas  
Fraternal Order of Eagles, Bay City, Texas

Frank Sorrel, Jr. Scholarship, Wharton, Texas  
 Future Farmers of America Scholarships of  
 Wharton High School  
 Flagg City Chapter, American Businesswomen's  
 Association, Edna, Texas  
 Germania Farm Mutual Aid Association, Louise,  
 Texas  
 Griffin Well Service, El Campo, Texas  
 Houston Livestock Show and Rodeo, Houston,  
 Texas  
 Jackson County Home Demonstration Council,  
 Edna, Texas  
 Lamar Consolidated Paraprofessional Association,  
 Rosenberg, Texas  
 Louise Lions Club, Louise, Texas  
 Louise Speech and Drama Club, Louise, Texas  
 Louise Women's Club, Louise, Texas  
 Mamie E. George Scholarship, Lamar Consolidated  
 I.S.D., Rosenberg, Texas  
 Mexican-American Youth Council, Eagle Lake,  
 Texas  
 Mount Olive Scholarship, Richmond, Texas  
 Nada Knights of Columbus Council 3371, Nada,  
 Texas  
 National Intercollegiate Rodeo Association,  
 Huntsville, Texas  
 Nell Mick Pugh Scholarship of Comfort Wood  
 Chapter, DAR, Wharton, Texas  
 Needville I.S.D. Interscholastic League Scholarship,  
 Needville, Texas  
 Pilot Club of Wharton, Inc. – Suellen Rowe  
 Memorial Scholarship  
 Rice Belt Water Works Association, West  
 Columbia, Texas  
 Rocking W Rodeo Club, Wharton, Texas  
 Rosenberg Business & Professional Women's Club,  
 Rosenberg, Texas  
 South Texas Scholarship Pageant, El Campo, Texas  
 Southwest Texas Conference, The United  
 Methodist Church, San Antonio, Texas  
 Texas Real Estate Research Center Scholarship,  
 Texas A&M University  
 Raymond R. Thomas, M.D. Memorial Scholarship –  
 Victor Scott, Eagle Lake, Texas  
 Thomas Scholarship, John Dulles High School,  
 Stafford, Texas  
 Trull Scholarship Fund, Palacios, Texas  
 United Brotherhood Scholarship, Tidehaven and  
 Wharton Chapters  
 Wade Waters Scholarship, El Campo, TX  
 A. J. Wendel Scholarship, El Campo, TX  
 Wharton Business & Professional Women's Club,  
 Inc., Wharton, Texas  
 Wharton County Board of Realtors, Wharton,  
 Texas  
 Wharton County Youth Fair, Wharton, Texas

Wharton High School, Industrial Arts Club,  
 Wharton, Texas  
 Wharton Lions Club, Wharton, Texas  
 Wharton Rotary Club, Wharton, Texas  
 Wharton Chapters of Beta Sigma Phi, Wharton,  
 Texas  
 David and Eula Wintermann Foundation, First City  
 National Bank of Houston  
 Women's Auxiliary to the Texas Medical  
 Association, Wharton, Jackson,  
 Matagorda and Fort Bend Counties  
 Women's Service League of Wharton, Texas  
 Xi Mu Chi Chapter of Beta Sigma Phi, El Campo,  
 Texas  
 Young Homemakers of Texas, El Campo, Texas

### **STUDENT LOANS (LONG TERM)**

**FEDERAL STAFFORD STUDENT LOAN:** These loans are obtained through the federal government. In order for a student to apply for a loan, they must first fill out the Free Application for Federal Student Aid (FAFSA) and will be notified of eligibility in their award letter. Dependent undergraduate students may borrow up to \$5,500 for freshman students and \$6,500 for sophomore students per year. Interest is charged at the current rate as stated in federal regulations. Repayment begins six months after the student ceases to be enrolled at least half-time.

### **STUDENT EMPLOYMENT**

**COLLEGE WORK-STUDY PROGRAM (CWSP):** Students who can demonstrate financial need may be provided with a job to help pay for college expenses under the federally supported College Work-Study Program. Part-time employment on campus includes such jobs as secretary/clerk, maintenance worker, library clerk, laboratory assistant, cafeteria worker, IT worker and bookstore clerk.

Application for financial aid should be filed through the FAFSA online by June 1<sup>st</sup> for the fall semester and by November 1<sup>st</sup> for the spring semester.

### **VOCATIONAL REHABILITATION**

The Department of Assistive and Rehabilitative Services (DARS) is a state agency that provides handicapped individuals with services designed to assist them in becoming as independent as possible by entering or returning to gainful employment. To be eligible for DARS services, the individual (a) must have a physical or mental disability that constitutes or results in a substantial handicap to employment

and (b) may be reasonably expected to benefit, in terms of employment, from vocational rehabilitation services.

Thousands of handicapped college students receive services from the Commission each year. All DARS clients are entitled to diagnostic evaluation, counseling and guidance, career planning, job-development placement, and follow-up. In those cases where economic need can be demonstrated, the following services may be provided to handicapped college students: tuition and required fees, textbooks, physical restoration, and assistive devices. Severely handicapped students may also be eligible for room and board, mobility assistance, note-takers, tutors, and attendant care.

The Rehabilitation Counselor and the student identify intermediate and long-range goals. They determine actions needed to achieve those goals, and they work together to reach them. The ultimate goals are to assist each student in completing his or her college education, in getting a good job after graduation, and in achieving the highest degree of independence possible.

#### **WORKFORCE INVESTMENT ACT**

Wharton County Junior College is an approved vendor of the Gulf Coast Workforce Development Board and Houston-Galveston Area Council to provide vocational training for eligible participants in workforce programs under the federally funded Workforce Investment Act. Participants qualifying for programs funded under the Workforce Investment Act receive free tuition, fees, books, and possibly uniforms, tools, and financial assistance with transportation and childcare. Applicants may apply for services under the Workforce investment Act through their local Work Source office. For more information, contact the Work Source office at 979-531-0730.

#### **CAREER AND TECHNICAL EDUCATION SUPPORT SERVICES**

Career and technical students attending Wharton County Junior College may qualify for a broad range of support services including career guidance and academic counseling, peer tutoring, childcare/transportation, registration assistance, and information/referral to other federal, state, and community service programs. Services are provided through the federally funded Carl D. Perkins Career and Technical Education Act of 2006. Perkins funding supports special populations

enrolled in career and technical education. Special populations include individuals with disabilities, single parents, displaced homemakers, economically disadvantaged, individuals preparing for non-traditional fields, and individuals with limited English proficiency.

For information, contact the Vocational Support Coordinator at Wharton County Junior College.

#### **VETERAN'S BENEFITS**

Wharton County Junior College is approved by the Texas Veterans Commission for VA educational benefits for veterans and children and spouses of veterans (Chapters 30, 32, 33, 35, and 1606-1607, Title 38, U.S. Code).

Students who are veterans may receive assistance from the Office of Financial Aid in applying for benefits. To expedite payment of benefits, veterans should contact the Office of Financial Aid at least 30 days prior to the first class day of each term to complete all necessary paperwork for that period of study.

**SELECTION OF COURSES:** Veterans receive monthly payments for their entitlement based on the course work for which they enroll. Caution should be given to the selection of courses, making certain that each course undertaken meets the requirements for payment. The following are requirements for courses to be eligible for payment:

1. Each course must be a requirement for graduation in a degree program.
2. No course may be taken for audit.
3. No course may be a repeat of a course for which credit has already been received.
4. Each course must be completed and assigned a grade that is used to compute GPA and progress toward a degree.

Withdrawals, without mitigating circumstances, resulting in no credit awarded or no punitive grade being assigned, results in benefits being terminated from the beginning date of the semester. This creates an over-award scenario and possible repayment to the Veterans Administration may be required.

**ACADEMIC REQUIREMENTS:** to remain in good standing (not on probation), a student must earn a 2.0 GPA each semester. To insure satisfactory progress, transcripts of veterans are monitored at the end of each semester. Should a veteran

complete two semesters with a GPA below 2.0, he or she is issued a warning notice. The notice states that the veteran is not maintaining satisfactory progress and may find it impossible to earn the required 2.0 GPA for graduation. Students who receive this notice are encouraged to re-examine their educational objectives, course load, etc. to improve their academic record. If a veteran should fail to earn a 2.0 GPA in any following semester, certification is terminated until the veteran raises his or her cumulative GPA to 2.0 or the Veterans Administration Regional Office authorizes recertification.

#### **THE TEXAS HAZELWOOD ACT FOR VETERANS**

Veterans of World War I, World War II, Korean War, Vietnam, and the Cold War who have no remaining federal educational benefits are eligible for Hazelwood Act Benefits if they were residents of Texas at the time they entered the armed forces, are now residents, and have an honorable discharge from the service.

To qualify for benefits under the Hazelwood Act, the veteran must file a request with the Office of Financial Aid at WCJC. Items to be filed are a certified or photo static copy of discharge papers and an affidavit from the Veterans Administration certifying that the veteran is no longer eligible for VA benefits. Students eligible for this benefit should contact the Director of Financial Aid prior to enrolling in classes.

#### **AMERICANS WITH DISABILITIES ACT**

Students with disabilities may be entitled to financial assistance from the Texas Commission for the Blind, Texas Commission for the Deaf, or the Department of Assistive and Rehabilitative Services. Other state and local resources may be available to qualified students. For more information contact the ADA coordinator for Wharton County Junior College, located in the Office of Student Services.

#### **TUITION REBATES FOR CERTAIN UNDERGRADUATE STUDENTS**

A tuition rebate program was created by Senate Bill 1907, 75<sup>th</sup> Texas Legislature, and is authorized by Section 54.0065 of the Texas Education Code.

The purpose of this program is to provide tuition rebates that will provide a financial incentive for students to prepare for university studies while completing their high school work, avail

themselves of academic counseling, make early career decisions, and complete their baccalaureate studies with as few extraneous courses as possible. Minimizing the number of courses taken by students, results in financial savings to students, parents, and the state.

To be eligible for rebates under this program, students must meet all of the following conditions:

1. They must have enrolled for the first time in an institution of higher education in the fall 1997 semester or later;
2. They must have received a baccalaureate degree from a Texas public university;
3. They must have been a resident of Texas and entitled to pay resident tuition at all times while pursuing the degree, and
4. They must have attempted no more than three hours in excess of the degree in the catalog under which they were graduated.

#### **HOPE SCHOLARSHIP INCOME TAX CREDIT AND LIFETIME LEARNING TAX CREDIT**

BEGINNING January 1, 1998, taxpayers (students or their parents) may be eligible to claim a nonrefundable Hope Scholarship Tax Credit against their federal income taxes. The Hope Scholarship Credit may be claimed for the qualified tuition and certain related expenses (not housing/dining) of EACH student in the taxpayer's family (i.e. the taxpayer, their spouse, or an eligible dependent) who is enrolled at least halftime in a program leading to a degree, certificate, or other organized educational credential. The credit that may be claimed varies, depending on the family and student financial situation, but may be as much as \$1,500 for a freshman or sophomore.

Another tax credit known as the Lifetime Learning credit applies to junior, senior and/or graduate students enrolled at least halftime in an institution of higher education. Congress has established that the Lifetime Learning Tax Credit begins for payments made after July 1, 1998.

## **Student Services and Activities**

#### **STUDENT ACTIVITIES AND MULTICULTURAL AFFAIRS**

Extra-curricular activities provide students with opportunities for the development and expression of special interests and abilities, for acquiring social graces, for practicing the mechanics of group



action, for developing leadership, and for recreation. Multicultural affairs allow the student body to experience different cultures that co-exist in the world around them.

All student organizations and activities conform to the educational objectives and administrative regulations of the college. These organizations are approved by the Vice President of Student Services, and are sponsored by a faculty member. Participation in certain student activities requires enrollment in a credit course and, in some cases, auditions or approval of the instructor. Included in these categories are the WCJC Pioneer Band, Choir, Chamber Singers, and intercollegiate athletics.

### **STUDENT GOVERNMENT ASSOCIATION**

The Student Government Association is composed of all members of the student body. The purpose of SGA is to promote understanding and cooperation among students, faculty and administration and to provide a means whereby student members may gain experience and training in responsible political participation and community leadership. Wharton County Junior College provides a Student Government Association on the Wharton campus, the Sugar Land campus and the Richmond campus.

### **HONOR SOCIETIES**

PHI THETA KAPPA is an international honor society whose purposes are the promotion of scholarship, the development of leadership and service, and the cultivation of fellowship among students of community and junior colleges in the United States. The local chapter is Zeta Xi and consists of students, alumni, and honorary members. Activities include observance of National Phi Theta Kappa Week in November, campus-wide events connected with the Honors Program Theme for each year, and service projects for Wharton County Junior College and the community.

NATIONAL TECHNICAL HONOR SOCIETY is a national honor society whose purpose is to recognize outstanding student achievement in career and technical education, encourage higher scholastic achievement, cultivate a desire for personal excellence, and emphasize areas of development within students such as skill, honesty, service, responsibility, scholarship, and leadership qualities. The honor society is active in campus and community events throughout the academic year.

### **INTERCOLLEGIATE SPORTS**

Wharton County Junior College offers intercollegiate competition in men's baseball, men's and women's rodeo, and women's volleyball. Students interested in participating in these sports should contact the athletic director or the coach of the specific sport. Scholarships are available.

### **STUDENT ORGANIZATIONS**

Student organizations at Wharton County Junior College vary from year to year in accordance with changes in student interests. Current organizations are described below.

THE ART GUILD is an organization open to any Wharton County Junior College student interested in art. The purpose of the club is to promote art appreciation through art exhibits, art contests, and field trips to art galleries.

THE BUSINESS/ACCOUNTING CLUB - The purpose of the club is to bring together business and accounting oriented students of WCJC for social and professional gatherings that will provide opportunities for education, networking, and otherwise enhancing their opportunities in business.

THE CHAMBER SINGERS is a select ensemble of vocal members. The group specializes in the more difficult choral literature of all periods, as well as contemporary music including folk, jazz, and pop. Students who have had previous vocal experience are invited to audition. The WCJC Choir makes an outstanding contribution to the cultural life of the area through performances before conventions, school assemblies, and service organizations. Officers are elected annually to arrange many of the choir's activities. Each year the choir presents a performance of a major choral work and tours area high schools, other community and junior colleges, and public gatherings throughout southeast Texas. Membership is open to all students through audition with the director.

THE COMPUTER SCIENCE CLUB is an organization developed to enhance student's knowledge of information technology related to computers and occupations utilizing them.

THE DENTAL HYGIENE CLUB is an organization to cultivate, promote and sustain the art and science of dental hygiene, to represent and safeguard the common interest of the members of the dental

hygiene profession and to contribute toward the improvement of the health of the public.

THE GREEN ROOM PLAYERS is an organization to promote opportunities for those interested in learning the art and crafts related to theater arts.

THE HUMAN SERVICES CLUB is an organization promoting the general welfare of students majoring in Human Services, to provide additional career supportive opportunities, to better school and community relations, and to stimulate student participation.

THE JAZZ BAND is designed to acquaint students with present day materials and techniques for the modern dance orchestra, with special emphasis on jazz. The group provides music for assembly programs and various community affairs.

THE LAW CLUB - The purpose of the WCJC Law Club is to provide an outlet for students interested in pursuing a career in law related fields. The organization brings in monthly speakers on recent topics and career opportunities in any law related fields. Not only is the club beneficial to students in an academic setting, but the WCJC Law Club also provides opportunities for students with similar interests to befriend one another and jointly aid one another in class work and job placement, as well as participate in social events.

THE PHYSICAL THERAPIST ASSISTANTS CLUB promotes and supports the PTA program at WCJC in its effort to uphold professional accreditation standards and provide the community with caring and qualified graduates

THE PIONEER BAND engages in the study of musical literature from the Renaissance to the present day through the performance of transcriptions and original band works. The band performs at various times throughout the semester. Participating in band is a great way to meet other students from around south Texas.

THE PIONEER CHRISTIAN FELLOWSHIP (PCF) – The purpose of Pioneer Christian Fellowship (PCF) is to embrace the students of WCJC and provide them with the opportunities to improve community relations, promote unity, develop character, encourage leadership, and cultivate Christian fellowship among the students, faculty, and staff of WCJC. Current WCJC students in good standing with the college are eligible to join PCF. Membership is open to all denominations including non-Christians seeking to gain an

understanding of Christianity. All WCJC students, faculty, and staff are welcome to attend PCF's non-denominational Bible studies (check with the campus PCF advisor for meeting time and location).

THE PIONEERS IN PROCESS TECHNOLOGY CLUB organizes to promote enthusiasm for process technology, increase awareness and motivate fellow students.

THE PIONEER AGGIE-RODEO CLUB is affiliated with the National Intercollegiate Rodeo Association and is designed for students who are interested in the sport of rodeo and other agriculture-related activities. The club seeks to promote appreciation and reservation of our Western heritage and to promote intercollegiate rodeo as a standard, organized, collegiate sport. In addition to sponsoring trail rides, barbecues, and other activities, the club sponsors an NIRA-sanctioned rodeo featuring teams from many colleges and universities of the Southwest.

THE POLITICAL SCIENCE CLUB is organized to promote interest in government and politics, to be non-partisan and encourage civic duties and responsibilities as citizens in our democracy.

PSYCH CLUB is an organization open to psychology students to promote education and community involvement.

THE RADIOLOGY CLUB promotes membership attendance to the annual radiology meeting and other related activities.

THE SURGICAL TECHNOLOGY CLUB promotes professional activities and stimulates interest in community health for Surgical Technology students.

## Student Services

### ACADEMIC ADVISING AND COUNSELING

Professional counselors and academic advisors are on duty to assist students who are exploring career choices, choosing a major, and/or selecting a four-year college for transfer. If possible, these decisions should precede registration. Students "not college ready" in Reading must meet with a counselor or an academic advisor prior to enrolling in any course work; they will be blocked from registration until such advisement. This academic advising will ensure students are placed in courses appropriate to their demonstrated academic skill level.

The counseling staff is available to provide personal counseling for a variety of student problems on a short-term basis. These may include test anxiety, learning skill problems, alcohol and drug issues, and stress disorders. When major problems are detected, students may be referred to psychologists, psychiatrists, physicians, or other appropriate resources.

### **LEARNING ASSISTANCE CENTERS**

Wharton County Junior College offers free tutoring for all current students through the Learning Assistance Center (LAC). There are tutoring labs on the Wharton, Sugar Land, and Richmond campuses. Professional tutors, who have been certified by the College Reading and Learning Association (CLRA), staff the labs. These certified tutors are trained to assist students in the areas of Reading, Writing, and Math. For more information visit one of the LAC labs on campus during operating hours or contact the Office of Student Services.

### **STUDENTS WITH DISABILITIES**

Students with documented disabilities seeking accommodations from Wharton County Junior College should contact the ADA Coordinator in the Office of Student Services. The student should provide current medical and/or psychological documentation verifying their disability at least thirty days prior to the beginning of the semester. Further information may be obtained from the Office of Student Services.

### **VOCATIONAL INTEREST TESTING**

Career interest assessments are available in the Career Center to students who wish to utilize them in their explorations of their vocational interests, special aptitudes, and career decisions.

### **TEST OF GENERAL EDUCATION DEVELOPMENT (GED)**

GED tests are available through WCJC Testing Centers at the Wharton, Richmond, Bay City and Sugar Land campuses. To be eligible, a person must be a Texas resident and at least 18 years of age (17 with parental consent) plus a withdrawal from the last high school attended, or 16 with a court order. All examinees must have current government issued photo I.D.

Information regarding the GED exam process is available through the Office of Testing and on the college website.

### **STUDENT HEALTH**

Although the college does not provide medicine or medical, hospital, or surgical services, WCJC students and employees have access to excellent health services. The main campus is located less than five miles from the Gulf Coast Medical Center and South Texas Medical Clinics, P.A. The medical center provides community education programs and screening, a speaker's bureau, an intensive care/critical care unit, and complete comprehensive medical/surgical care.

Wharton County Junior College encourages students to undergo a medical examination prior to their initial enrollment. The college does not assume responsibility for health care or injuries incurred by students when taking part in intramural sports, physical activity courses, or class and student activities.

Therefore, students not covered by their parents' insurance are encouraged to carry medical and surgical insurance while enrolled at WCJC. Brochures for independent companies that provide health insurance for students are available in the Office of Student Services and at the Information Desk at the Richmond and Sugar Land campuses.

### **LIBRARIES**

The Wharton County Junior College libraries include the J.M. Hodges Library at the main campus in Wharton, a WCJC-UH joint use Fort Bend County branch library at the Sugar Land Campus, and the combined Open Computer Lab/Online Library at both the Bay City and Richmond campuses. A daily courier service transports books and other materials among the four campus locations in order to provide services to all patrons throughout the WCJC system.

A current WCJC student identification card is used as the library card to check out WCJC library materials. A student without a current WCJC student identification card should inform a library staff member that he/she is enrolled in an off-campus course. After verification of student records, borrowing privileges will be extended. Continuing Education students may also request a library card which will be valid for the duration of the course; a tuition receipt is needed to verify registration.

The resources of the WCJC Libraries include over 50,000 books, 110 periodical subscriptions, and 2,200 audio-visual items. Wharton County Junior College libraries also subscribe to about 65,000 e-books and over 50 online databases to provide access to millions of multi-disciplinary and full text publications and peer-reviewed journals. A registered student can log in remotely to our subscription databases seven days a week, twenty-four hours a day from the library proxy server through the WCJC Libraries web site at <http://www.wcjc.edu/Students/Library/index.aspx>

The libraries provide typewriters, photocopiers, microfilm reader/printer services, and computer workstations with internet access. The Wharton campus Open Computer Lab is located in the library on the first floor reference room. The lab is equipped with 24 computer workstations which are compliant with the Americans with Disabilities Act (ADA), one network printer, one color printer and a scanner. One library staff member is available at the lab service desk to assist students during library hours.

### CHECK-OUTS

Library materials may be checked out for 14 days. Materials may not be held during the intersession between semesters. All materials should be returned to the main circulation desks. Materials returned after 4:00 p.m. through the outside book drops will be considered as turned in on the following day and fines, if any, will be charged.

Fines for the late returns are \$.25 per day, per item. Fines are calculated for the days the WCJC libraries are open; fines are not charged for weekends and holidays. Students who have accumulated more than \$20.00 in unpaid fines may not check out materials until the fines are paid. Near the end of semesters and holidays the loan period must be shorter than the usual 14 days. It is always in the borrower's best interest to not the item's due date as it is being checked out. At the end of the semester, students with overdue materials or fines will have a hold placed on their records in the Registrar's Office. Student records must be cleared before grades or transcripts are mailed. Students must pay the replacement cost of lost or damaged materials, in addition to any late fees.

### LIBRARY PHONE NUMBERS

Wharton: 979-532-6509  
 Sugar Land: 281-633-5100  
 (University Branch- WCJC/UH joint use county library)  
 Richmond: 281-239-1619  
 Bay City: 979-244-4552

### LIBRARY HOURS

CAMPUS	SEMESTER	DAYS	TIMES
Wharton	Fall and Spring	Monday – Thursday Friday	7:30 am - 9:00 pm 7:30 am - 4:00 pm
Richmond Bay City	Fall and Spring	Monday – Thursday Friday	8:00 am - 8:00 pm 8:00 am - 5:00 pm
Wharton, Richmond and Bay City	Summer	Monday – Friday	8:00 am - 5:00 pm
All locations	Fall, Spring, and Summer	Holidays	Library closed
* Sugar Land: University Branch-WCJC/UH joint-use county library Hours - Monday 12-9 p.m., Tuesday and Thursday 10 a.m.-9 p.m., Wednesday 10 a.m.-6 p.m., Friday 12-5 p.m., Saturday 10 a.m.-5 p.m.			

### DORMITORIES

Wharton County Junior College provides dormitory accommodations only at the main campus in Wharton. Dorm rooms are available during the fall and spring semesters, and are closed during the summer. Frankie Hall (men's dorm) and Mullins Hall (women's dorm) are both located on campus. Brooking Hall (women's dorm) is located two blocks from the main campus. To be eligible to live in the dorm, a student must enroll in and maintain a minimum of 12 semester hours at WCJC.

All dorms are traditional-style, two person rooms designed for only students. WCJC does not provide accommodations for married couples or children. All students living in the dorms must be on the campus cafeteria meal plan. The cafeteria provides three meals per day Monday through Friday, two meals on Saturday, and one meal on Sunday. The cafeteria offers one meal plan only; credit is not given for missed meals because of dormitory absence, school events, etc.

Each dormitory provides a live-in dorm supervisor and security is maintained 24 hours a day. Each dorm student is provided a twin (long) bed, chest-of-drawers, closet, desk and chair. Self-service laundry facilities are provided within all dorm buildings; washers and dryers are free of charge, but students must provide their own cleaning supplies. Each room will have wireless internet.

Frankie Hall is a two-floor building on campus that provides housing accommodations for 78 men. Women are not allowed in Frankie Hall except for the main entrance lobby. The downstairs lobby and an upstairs lounge both provide satellite television service. All rooms are suite-style, where two rooms share a middle bathroom and shower.

Mullins Hall is a two-floor building on campus that provides housing accommodations for 53 women. Men are not allowed in Mullins Hall except for the main entrance lobby, which provides satellite television service. Restroom facilities are located at the end of each floor hallway.

Brooking Hall is a two-floor building located two blocks from campus that provides housing accommodations for 30 women. Men are not allowed in Brooking Hall except for the main entrance lobby. The downstairs lobby and an upstairs lounge both provide satellite television service. Suite style rooms are located only on the second floor where two rooms share a middle bathroom and shower. There are no dorm rooms on the lower level. Each room offers a small walk-on balcony.

To reserve a room, students must fill out an application and submit it to the Housing Office, along with a \$200 deposit. Applications are available in the back of this catalog. Students may request a refund of their room deposits and/or prepaid room rent if they decide not to attend WCJC. To cancel the residence hall reservation and contract, the student must submit a request in writing to the Housing Office 15 calendar days prior to the first day of class.

Failure to cancel a reservation as outlined above will result in the forfeiture of the entire room deposit and pre-paid room rent. In the event the student's admission or enrollment is canceled for failure to meet the college's requirements for admission or re-admission, the full deposit and pre-paid room rent will be refunded or transferred to another semester at the direction of the student. Students who reside in the dormitories must also pay the Board plan. Room charges and the first payment for board must be made before entering the dormitory as a resident. Dormitory and cafeteria charges are subject to change without notice by action of the Board of Trustees.

The residence halls will be closed during official college holidays as specified in the college calendar. During these holidays, students must arrange for other housing and meals.

## DAMAGES

The \$200 room deposit will serve as a combination reservation/damage/room clearance deposit. The deposit is not applied to housing rent. The deposit is not covered by any WCJC institutional scholarship or financial aid. For non-returning residents, the deposit is refundable at the end of the semester upon written request of the student, when all monies owed by students and all provisions of the housing contract have been satisfied. Any assessments left unpaid at the time the student leaves Wharton County Junior College will be deducted from the \$200 deposit.

Students should consult the *Residence Hall Handbook* and the *Student Handbook* regarding dormitory regulations.

# Associate of Arts (AA) Degree Requirements and Transfer Plans

WCJC awards the Associate of Arts (AA) degree in general studies for students planning to pursue four-year degrees. The purpose of the AA degree is to provide programs in university-parallel and pre-professional areas that enable students to enter four-year institutions as juniors. Applicants for the Associate of Arts degree must:

1. Satisfy all conditions for admission.
2. Successfully complete at least 60 semester credit hours (SCH) of college-level courses.
3. Successfully complete 42 (SCH) of core curriculum requirements included as part of the total 60 SCH. (see page 44, Associate of Arts Core Curriculum List, for course selection)
4. Meet Texas State Initiative (TSI) as prescribed by the Texas Higher Education Coordinating Board (THECB).
5. Earn a cumulative overall grade point average (GPA) of at least 2.0.
6. Complete at least twenty-four semester hours at Wharton County Junior College.
7. Complete at least fifteen hours of sophomore-level courses.
8. Meet all financial obligations to the college.
9. Fill out application for graduation by the deadline of:
  - July 15 for August graduation
  - November 1 for December graduation
  - April 1 for May graduation
10. Only academic transfer courses may be used; courses are marked "Type: ACAD" in the Course Description section of the catalog.

To aid students in planning their course of study at WCJC, the college provides SUGGESTED courses of study. Students should identify the institution to which they intend to transfer as early as possible to ascertain the specific freshman and sophomore courses necessary for the degree they wish to pursue. Students should verify course applicability to degree requirements of the senior institution via their advisors, college catalog and the Texas Common Course Numbering System Online Matrix.

**All programs, and courses within programs, are subject to change or deletion without notice by administrative authorities of WCJC. Program additions or deletions require action from the Board of Trustees of Wharton County Junior College.**

## CORE CURRICULUM

Given the rapid evolution of necessary knowledge and skills and the need to take into account global, national, state, and local cultures, the core curriculum must ensure that students will develop the essential knowledge and skills they need to be successful in college, in a career, in their communities, and in life. The core curriculum is required of every student who is seeking an Associate of Arts or an Associate of Science degree in publicly funded higher education in Texas. In accordance with Texas Education Code, §61.821 - 61.832, each institution of higher education that offers an undergraduate academic degree program shall design and implement a core curriculum, including specific courses composing the curriculum, of no less than 42 lower-division semester credit hours. The Texas Administrative Code\*\* outlines the core curriculum requirements. Wharton County Junior College's completed core curriculum is fully transferable and will fully substitute for the core curriculum at any other public institution of higher education in Texas.

Wharton County Junior College currently offers the Associate of Arts degree. In adherence to the directive of the state, Texas Higher Education Coordinating Board (THECB), and toward offering the best education possible to its students, WCJC requires all students seeking an AA degree to complete the core curriculum. The WCJC core curriculum provides students the opportunity to attain the content knowledge and six core objective skills that Texas deems essential to the learning process and the success of an educated individual.

The objectives listed for the various courses in the core establish a foundation for assessing student performance and the effectiveness of the WCJC core curriculum as a whole.

**\*\*Texas Administrative Code Title 19 Part 1 Chapter 4 Subchapter B: Texas Higher Education Coordinating Board Core Curriculum**

## **CORE OBJECTIVES IN WCJC CORE CURRICULUM**

Through the Texas Core Curriculum, students will gain a foundation of knowledge of human cultures and the physical and natural world, develop principles of personal and social responsibility for living in a diverse world, and advance intellectual and practical skills that are essential for all learning. The Core Objectives form the foundation of WCJC's General Education Core Curriculum. These objectives are integrated into the instruction methods of the courses within the core curriculum at WCJC. Each Foundational Component Area emphasizes the specific objectives required while possibly utilizing the optional core objectives.

<b>Critical Thinking Skills</b>	to include creative thinking, innovation, inquiry, and analysis, evaluation and synthesis of information
<b>Communication Skills</b>	to include effective development, interpretation and expression of ideas through written, oral and visual communication
<b>Empirical and Quantitative Skills</b>	to include the manipulation and analysis of numerical data or observable facts resulting in informed conclusions
<b>Teamwork</b>	to include the ability to consider different points of view and to work effectively with others to support a shared purpose or goal
<b>Personal Responsibility</b>	to include the ability to connect choices, actions and consequences to ethical decision-making
<b>Social Responsibility</b>	To include intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities

## **FOUNDATIONAL COMPONENT AREAS**

### **CORE 010: COMMUNICATION (6 semester credit hours)**

- Communication focuses on developing ideas and expressing them clearly, considering the effect of the message, fostering understanding, and building the skills needed to communicate persuasively.
- Courses involve the command of oral, aural, written, and visual skills that enable people to exchange messages appropriate to the subject, occasion, and audience.
- The core objectives of critical thinking, communication skills, teamwork, and personal responsibility are addressed by each course in this component area.

### **CORE 020: MATHEMATICS (3 semester credit hours)**

- Mathematics focuses on quantitative literacy in logic, patterns, and relationships.
- Courses involve the understanding of key mathematical concepts and the application of appropriate mathematical tools to the everyday experience.
- The core objectives of critical thinking, communication skills, and empirical and quantitative skills are addressed by each course in this component area.

### **CORE 030: LIFE & PHYSICAL SCIENCES (6 semester credit hours plus 2 SCH Science Labs in 090)**

- Life and Physical Sciences focus on describing, explaining, and predicting natural phenomena using the scientific method.
- Courses involve the understanding of interactions among natural phenomena and the implications of scientific principles on human experiences.
- The Core Objectives of critical thinking, communication skills, empirical and quantitative analysis, and teamwork are addressed by each course in this component area.

CORE 040: LANGUAGE, PHILOSOPHY, & CULTURE (3 semester credit hours)

- Language, Philosophy, and Culture focuses on how ideas, values, beliefs and other aspects of culture express and affect human experience.
- Courses involve the exploration of ideas that foster aesthetic and intellectual creation in order to understand the human condition across cultures.
- The Core Objectives of critical thinking, communication skills, personal responsibility, and social responsibility are addressed by each course in this component area.

CORE 050: CREATIVE ARTS (3 semester credit hours)

- Creative Arts focus on the appreciation and analysis of creative artifacts and works of the human imagination.
- Courses involve the synthesis and interpretation of artistic expression and enable critical, creative, and innovative communication about works of art.
- The Core Objectives of critical thinking, communication skills, teamwork, and social responsibility are addressed by each course in this component area.

CORE 060: AMERICAN HISTORY (6 semester credit hours)

- American History focuses on the consideration of past events relative to the United States, with the option of including Texas history for a portion of this component area.
- Courses involve the interaction among individuals, communities, states, the nation, and the world, considering how these interactions have contributed to the development of the United States and its global role.
- The Core Objectives of critical thinking, communication skills, social responsibility, and personal responsibility are addressed by each course in this component area.

CORE 070: GOVERNMENT/POLITICAL SCIENCE (6 semester credit hours)

- Government/Political Science focuses on consideration of the Constitution of the United States and the constitutions of the states with special emphasis on that of Texas.
- Courses involve the analysis of governmental institutions, political behavior, civic engagement, and their political and philosophical foundations.
- The Core Objectives of critical thinking, communication skills, social responsibility, and personal responsibility are addressed by each course in this component area.

CORE 080: SOCIAL & BEHAVIORAL SCIENCE (3 semester credit hours)

- Social/Behavioral Science focuses on the application of empirical and scientific methods that contribute to the understanding of what makes us human.
- Courses involve the exploration of behavior and interactions among individuals, groups, institutions, and events, examining their impact on society and culture.
- The Core Objectives of critical thinking, communication skills, empirical and quantitative analysis, and social responsibility are addressed by each course in this component area.

CORE 090: COMPONENT AREA OPTION (6 semester credit hours less 2 SCH Science Labs in 030)

- Must meet the definition and corresponding Core Objectives specified in one of the foundational component areas.



## ASSOCIATE OF ARTS CORE CURRICULUM LIST

Below is the new core curriculum as required by the Texas Higher Education Coordinating Board (THECB). Students should first determine a degree plan and then select specific core courses as specified within that degree plan.

Foundational Component Area	Code	Courses	Required Hours
Communication	010	ENGL 1301 & ENGL 1302	6
Mathematics	020	MATH 1314, MATH 1316, MATH 1324, MATH 1325, MATH 1342, MATH 1350, MATH 1351, MATH 2312, MATH 2320, MATH 2413	3
Life & Physical Science (Lab component required)	030	BIOL 1406, BIOL 1407, BIOL 2401, BIOL 2402, BIOL 2420; CHEM 1405, CHEM 1411, CHEM 1412; PHYS 1401, PHYS 1402, PHYS 2425, PHYS 2426; GEOL 1303 and 1103, GEOL 1304 and 1104	8 (Includes 2 SCH Science Labs 090)
Language, Philosophy, & Culture (Humanities)	040	ENGL 2322, ENGL 2323, ENGL 2327, ENGL 2328, ENGL 2332, ENGL 2333; PHIL 1301; HUMA 1301; SPAN 1311, SPAN 1312	3
Creative Arts (Performing/Visual Arts)	050	ARTS 1303, ARTS 1304, ARTS 1313; DRAMA 1310, DRAM 2366; MUSI 1306, MUSI 1307, MUSI 1310	3
American History	060	HIST 1301 & HIST 1302	6
Government/Political Science	070	GOVT 2305 & GOVT 2306	6
Social and Behavioral Science	080	ANTH 2351; CRIJ 1307; ECON 2301, ECON 2302; GEOG 1303; HIST 2301, HIST 2311, HIST 2312; PSYC 2301, PSYC 2306, PSYC 2314; SOCI 1301, SOCI 1306, SOCI 2306, SOCI 2319	3
Component Area Option***	090	2 SCH Science Labs (see 030 above) <b>AND</b> 4 SCH from <u>2</u> of the areas below: * SPCH 1315 or SPCH 1318 * MATH 1314, 1316, 1324, 1325, 1342, 1350, 1351, 2312, 2320, 2413, 2414, or 2415 * ENGL 2322, 2323, 2327, 2328, 2332 or 2333; HUMA 1301; PHIL 1301; SPAN 1311 or SPAN 1312 * ARTS 1303, 1304 or 1313; MUSI 1306, 1307 or 1310; DRAM 1310 or DRAM 2366 * ANTH 2351; CRIJ 1307; HIST 2301, 2311 or 2312; GEOG 1303; ECON 2301 or ECON 2302; PSYC 2301, 2306 or 2314; SOCI 1301, 1306, 2306 or 2319	4
TOTAL			42 HOURS
*** If student selects combination from Component Area Option totaling more than 6 SCH, the additional hours are counted in the degree.			

## Associate of Arts (AA) Courses of Study

Courses of Study are recommended lists of courses for students who plan to major in a specific degree plan at a university. Students who complete one of these Courses of Study will be eligible to apply for the Associate of Arts Degree at Wharton County Junior College. Courses that must be taken in order to satisfy AA degree requirements are listed with the corresponding WCJC Core Curriculum Component as listed above.

Courses that are listed as “RECOMMENDED” are electives that will contribute to AA degree requirements. Different electives may be chosen, but must be selected from academic rather than technical courses, as indicated in the course descriptions.

*Students who intend to transfer to a four-year university are encouraged to seek degree advising from their transfer institution.*

**WCJC’s AA degree requires 60 hours; students should be aware they might not be able to transfer more than 60-66 hours.**

AGRICULTURE			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
MATH 1314	College Algebra	Core 020	3
PHED 1xxx	Any PHED activity course	Recommended	1
AGRI	Any AGRI course	Recommended	3
AGRI	Any AGRI course	Recommended	3
			16 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
COSC 1301	Introduction to Computing	Recommended	3
PHED 1xxx	Any PHED activity course	Recommended	1
AGRI	Any AGRI course	Recommended	3
AGRI	Any AGRI course	Recommended	3
			16 semester hours
<b>Sophomore/Semester I</b>			
Language, Philosophy, & Culture (Humanities)	Any course listed under Core 040	Core 040	3
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
SPCH 1315	Public Speaking	Core 090	3
Life & Physical Science with lab	Any course listed under Core 030	Core 030, 090	4
AGRI	Any sophomore level AGRI course	Recommended	3
			16 semester hours
<b>Sophomore/Semester II</b>			
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
Life & Physical Science with lab	Any course listed under Core 030	Core 030, 090	4
Social/Behavioral Science	Any sophomore level Social/Behavioral Science course	Core 080	3
Creative Arts (Performing/Visual Arts)	Any course listed under Core 050	Core 050	3
AGRI	Any sophomore level AGRI course	Recommended	3
			16 semester hours

<b>ART</b>			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
ARTS 1316	Drawing I	Recommended	3
ARTS 1311	Design I	Recommended	3
MATH	MATH 1314 or above	Core 020	3
			15 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
ARTS 1317	Drawing II	Recommended	3
ARTS 1312	Design II	Recommended	3
SPCH 1315	Public Speaking	Core 090	3
PHED 1xxx	Any PHED activity course	Recommended	1
			16 semester hours
<b>Sophomore/Semester I</b>			
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
Life & Physical Science with lab	Any course listed under Core 030	Core 030, 090	4
Language, Philosophy, & Culture (Humanities)	Any course listed under Core 040	Core 040	3
ARTS 2316	Painting I	Recommended	3
ARTS 1303	Art History I	Recommended	3
			16 semester hours
<b>Sophomore/Semester II</b>			
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
Life & Physical Science with lab	Any course listed under Core 030	Core 030, 090	4
Social/Behavioral Science	Any sophomore level Social/Behavioral Science course	Core 080	3
ARTS 1304	Art History II	Recommended	3
ARTS	ARTS 2317, 2326, or 2346	Recommended	3
			16 semester hours

<b>BEHAVIORAL SCIENCE – Psychology, Sociology/Anthropology</b>			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
MATH 1314 or above	College Algebra or above	Core 020	3
Life & Physical Science with lab	Any course listed under Core 030	Core 030, 090	4
PHED 1xxx	Any PHED activity course	Recommended	1
PSYC 2301 or SOCI 1301	Introduction to General Psychology or Introduction to Sociology	Core 080	3
			17 semester hours

<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
COSC 1301	Introduction to Computing	Recommended	3
Life & Physical Science with lab	Any course listed under Core 030	Core 030, 090	4
Social or Behavioral Science	CRIJ 1307, ECON 2301, GEOG 1303 or any PSYC or SOCI	Recommended	3
			16 semester hours
<b>Sophomore/Semester I</b>			
English	Any literature course	Core 010	3
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
Behavioral Science	ANTH, PSYC, or SOCI	Recommended	3
Behavioral Science	ANGH, PSYC, or SOCI	Recommended	3
SPCH 1315	Public Speaking	Core 090	3
			15 semester hours
<b>Sophomore/Semester II</b>			
ENGL, PHIL, or HUMA	Any literature, philosophy, or humanities course	Recommended	3
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
Behavioral Science	ANTH, PSYC, or SOCI	Recommended	3
Behavioral Science	ANTH, PSYC, or SOCI	Recommended	3
Creative Arts (Performing/Visual Arts)	Any course listed under Core 050	Core 050	3
			15 semester hours

<b>BIOLOGY</b>			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
MATH 1314 or above	College Algebra or above	Core 020	3
BIOL 1406	General Biology I	Core 030	4
CHEM 1411	General Chemistry I	Recommended	4
			17 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
BIOL 1407	General Biology II	Core 030	4
CHEM 1412	General Chemistry II	Recommended	4
PHED 1xxx	Any PHED activity course	Recommended	1
			15 semester hours
<b>Sophomore/Semester I</b>			
Language, Philosophy, & Culture (Humanities)	Any course listed under Core 040	Core 040	3
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
CHEM 2423	Organic Chemistry I	Recommended	4
COSC 1301	Introduction to Computing	Recommended	3
Social or Behavioral Science	Any course listed under Core 080	Core 080	3
			16 semester hours

<b>Sophomore/Semester II</b>			
Creative Arts (Performing/Visual Arts)	Any course listed under Core 050	Core 050	3
CHEM 2425	Organic Chemistry II	Recommended	4
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
SPCH 1315	Public Speaking	Core 090	3
			13 semester hours

<b>BUSINESS ADMINISTRATION</b>			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
Life & Physical Science with lab	Any course listed under Core 030	Core 030, 090	4
MATH 1324*	Mathematics for Business and Social Sciences (Finite Mathematics)	Core 020	3
BUSI 1301 or BUSI 2301	Business Principles or Business Law	Recommended	3
PHED 1xxx	Any PHED activity course	Recommended	1
			17 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
Math 1325*	Calculus for Business & Social Sciences	Core 020	3
Creative Arts (Performing/Visual Arts)	Any course listed under Core 050	Core 050	3
Life & Physical Science with lab	Any course listed under Core 030	Core 030, 090	4
			16 semester hours
<b>Sophomore/Semester I</b>			
ACCT 2301	Principles of Financial Accounting	Recommended	3
Language, Philosophy, & Culture (Humanities)	Any course listed under Core 040	Core 040	3
ECON 2301	Principles of Macroeconomics	Recommended	3
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
BCIS 1305	Business Computer Applications	Recommended	3
			15 semester hours
<b>Sophomore/Semester II</b>			
ACCT 2302	Principles of Managerial Accounting	Recommended	3
Social or Behavioral Science	Any course listed under Core 080	Core 080	3
SPCH 1315	Public Speaking	Core 090	3
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
ECON 2302	Principles of Microeconomics	Recommended	3
*Most 4-year colleges require MATH 1324 & 1325 for Business Majors			15 semester hours

CHEMISTRY			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
CHEM 1411	General Chemistry I	Core 030, 090	4
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
PHED 1xxx	Any PHED activity course	Recommended	1
MATH 2413	Calculus I	Core 020	4
			15 semester hours
<b>Freshman/Semester II</b>			
CHEM 1412	General Chemistry II	Core 030, 090	4
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
SPCH 1315	Public Speaking	Core 090	3
MATH 2414	Calculus II	Core 090	4
			17 semester hours
<b>Sophomore/Semester I</b>			
Creative Arts (Performing/Visual Arts)	Any course listed under Core 050	Core 050	3
Social or Behavioral Science	Any course listed under Core 080	Core 080	3
Language, Philosophy, & Culture (Humanities)	Any course listed under Core 040	Core 040	3
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
CHEM 2423	Organic Chemistry I	Recommended	4
			16 semester hours
<b>Sophomore/Semester II</b>			
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
CHEM 2425	Organic Chemistry II	Recommended	4
MATH 2415	Calculus III	Core 090	4
PHYS 2425	University Physics I	Recommended	4
			15 semester hours

COMPUTER SCIENCE			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
COSC 1436*	Programming Fundamentals I	Recommended	4
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
MATH 2413*	Calculus I	Core 020	4
			14 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
MATH 2414*	Calculus II	Core 090	4
COSC 1437*	Programming Fundamentals II	Recommended	4
Component Area Elective	Any course listed under Core 090	Core 090	3
			17 semester hours

<b>Sophomore/Semester I</b>			
COSC 2436*	Programming Fundamentals III	Recommended	4
Language, Philosophy, & Culture (Humanities)	Any course listed under Core 040	Core 040	3
PHYS 2425*	University Physics I	Core 030	4
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
SPCH 1315	Public Speaking	Core 090	3
			17 semester hours
<b>Sophomore/Semester II</b>			
PHYS 2426*	University Physics II	Core 030	4
COSC 2425*	Computer Organization & Machine Language	Recommended	4
Social or Behavioral Science	Any course listed under Core 080	Core 080	3
Creative Arts (Performing/Visual Arts)	Any course listed under Core 050	Core 050	3
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
*Recommended students complete math, physics, and computer science sequences at the same institution to reduce potential gaps in curriculum			17 semester hours

<b>CRIMINAL JUSTICE</b>			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
CRIJ 1301	Introduction to Criminal Justice	Recommended	3
CRIJ 1310	Fundamentals of Criminal Law	Recommended	3
ENGL 1301	Composition I	Core 010	3
Life & Physical Science with lab	Any course listed under Core 030	Core 030, 090	4
HIST 1301	U.S. History I	Core 060	3
			16 semester hours
<b>Freshman/Semester II</b>			
CRIJ 1306	Court Systems and Practices	Recommended	3
CRIJ 2301	Community Resources in Corrections	Recommended	3
ENGL 1302	Composition II	Core 010	3
Life & Physical Science with lab	Any course listed under Core 030	Core 030 or 090	4
HIST 1302	U.S. History II	Core 060	3
			16 semester hours
<b>Sophomore/Semester I</b>			
CRIJ 2323	Legal Aspects of Law Enforcement	Recommended	3
CRIJ 2328	Police Systems & Practices	Recommended	3
MATH 1314 or above	College Algebra or above	Core 020	3
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
Social or Behavioral Science or CRIJ 1307	Any course listed under Core 080 or Crime in America	Core 080	3
PHED 1xxx	Any PHED activity course	Recommended	1
			16 semester hours

<b>Sophomore/Semester II</b>			
CRIJ 2313	Correctional Systems & Practices	Recommended	3
Language, Philosophy, & Culture (Humanities)	Any course listed under Core 040	Core 040	3
Creative Arts (Performing/Visual Arts)	Any course listed under Core 050	Core 050	3
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
SPCH 1315	Public Speaking	Core 010	3
COSC 1301	Introduction to Computing	Recommended	3
			18 semester hours

<b>DRAMA</b>			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
DRAM 1310	Introduction to Theater	Core 050	3
DRAM 1330	Stagecraft I	Recommended	3
DRAM 1351	Acting I	Recommended	3
DRAM 1120	Theater Practicum I	Recommended	1
			16 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
SPCH 1315	Public Speaking	Core 090	3
DRAM 2331	Stagecraft II	Recommended	3
DRAM 1352	Acting II	Recommended	3
DRAM 1120	Theater Practicum I	Recommended	1
			16 semester hours
<b>Sophomore/Semester I</b>			
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
Language, Philosophy, & Culture (Humanities)	Any course listed under Core 040	Core 040	3
Life & Physical Science with lab	Any course listed under Core 030	Core 030, 090	4
DRAM 1342	Introduction to Costumes	Recommended	3
DRAM 1322	Stage Movement	Recommended	3
DRAM 1120	Theater Practicum I	Recommended	1
PHED 1xxx	Any PHED activity course	Recommended	1
			18 semester hours
<b>Sophomore/Semester II</b>			
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
Life & Physical Science with lab	Any course listed under Core 030	Core 030, 090	4
Social or Behavioral Science	Any course listed under Core 080	Core 080	3
MATH	Math 1314 or above	Core 020	3
DRAM 2351	Acting III	Recommended	3
DRAM 1161	Musical Theater	Recommended	1
			17 semester hours



ENGINEERING			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
MATH 2413	Calculus I	Core 020	4
CHEM 1411	General Chemistry I	Core 030, 090	4
			14 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
CHEM 1412	General Chemistry II	Core 030, 090	4
MATH 2414	Calculus II	Core 090	4
PHED 1xxx	Any PHED activity course	Recommended	1
			15 semester hours
<b>Sophomore/Semester I</b>			
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
Creative Arts (Performing/Visual Arts)	Any course listed under Core 050	Core 050	3
Social or Behavioral Science	Any course listed under Core 080	Core 080	3
Language, Philosophy, & Culture (Humanities)	Any course listed under Core 040	Core 040	3
ENGR 2301	Engineering Mechanics-Statics	Recommended	3
			15 semester hours
<b>Sophomore/Semester II</b>			
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
ENGR 2302	Engineering Mechanics-Dynamics	Recommended	3
SPCH 1315	Public Speaking	Core 090	3
MATH 2415	Calculus III	Core 090	4
PHYS 2425	University Physics I	Recommended	4
			17 semester hours

ENGLISH			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
SPAN 1311	Beginning Spanish I	Core 040	4
MATH	MATH 1314 or above	Core 020	3
Life & Physical Science with lab	Any course listed under Core 030	Core 030, 090	4
			17 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
SPAN 1312	Beginning Spanish II	Core 040	4
Life & Physical Science with lab	Any course listed under Core 030	Core 030, 090	4
Language, Philosophy, & Culture (Humanities)	Any course listed under Core 040	Core 040	3
PHED 1xxx	Any PHED activity course	Recommended	1
			18 semester hours

<b>Sophomore/Semester I</b>			
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
SPAN 2311	Intermediate Spanish	Recommended	3
SPCH 1315	Public Speaking	Core 090	3
English	Any literature course	Recommended	3
Social or Behavioral Science	Any course listed under Core 080	Core 080	3
			15 semester hours
<b>Sophomore/Semester II</b>			
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
SPAN 2312	Intermediate Spanish II	Recommended	3
English	Any 2 literature courses	Recommended	6
Creative Arts (Performing/Visual Arts)	Any course listed under 050	050	3
			15 semester hours

<b>GENERAL STUDIES</b>			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
MATH 1314	College Algebra	Core 020	3
Life & Physical Science with lab	Any course listed under core 030	Core 030, 090	4
SPCH 1315	Public Speaking	Core 090	3
			16 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
PHED 1xxx	Any PHED activity course	Recommended	1
Life & Physical Science with lab	Any course listed under core 030	Core 030, 090	4
Elective	Academic (ACAD) transfer course	Recommended	3
Elective	Academic (ACAD) transfer course	Recommended	3
			17 semester hours
<b>Sophomore/Semester I</b>			
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
Social or Behavioral Science	Any course listed under core 080	Core 080	3
Language, Philosophy, & Culture (Humanities)	Any course listed under core 040	Core 040	3
Elective	Academic (ACAD) transfer course	Recommended	3
Elective	Academic (ACAD) transfer course	Recommended	3
			15 semester hours
<b>Sophomore/Semester II</b>			
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
Creative Arts (Performing/Visual Arts)	Any course listed under core 050	Core 050	3
Elective	Academic (ACAD) transfer course	Recommended	3
Elective	Academic (ACAD) transfer course	Recommended	3
			12 semester hours

<b>GEOLOGY</b>			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
MATH 2312	Pre-Calculus Math*	Core 020	3
GEOL 1303	Physical Geology	Core 030	3
GEOL 1103	Physical Geology Laboratory	Core 030	1
CHEM 1411	General Chemistry I	Core 030, 090	4
* Note – Prerequisite: MATH 1316 or 4 years of high school math including trigonometry or pre-calculus; or consent of department head			17 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
GEOL 1304	Historical Geology	Core 030	3
GEOL 1104	Historical Geology Laboratory	Core 090	1
CHEM 1412	General Chemistry II	Core 030, 090	4
PHED 1xxx	Any PHED activity course	Recommended	1
			15 semester hours
<b>Sophomore/Semester I</b>			
Language, Philosophy, & Culture (Humanities)	Any course listed under Core 040	Core 040	3
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
CHEM 2423	Organic Chemistry I	Recommended	4
COSC 1301	Introduction to Computing	Recommended	3
Social & Behavioral Science Elective	Any course listed under Core 080	Core 080	3
			16 semester hours
<b>Sophomore/Semester II</b>			
Creative Arts (Performing/Visual Arts)	Any course listed under core 050	Core 050	3
CHEM 2306	Organic Chemistry II	Recommended	4
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
SPCH 1315	Public Speaking	Core 090	3
MATH 2413	Calculus I*	Core 020	3
* Note – Prerequisite: TSI satisfied in Math and credit for or concurrent enrollment in MATH 1348 or 2312; or credit for college level pre-calculus; or credit for MATH 1314 and 1316; or consent of the department head			16 semester hours

<b>KINESIOLOGY</b>			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
BIOL 2401	Human Anatomy and Physiology I	Core 030, 090	4
PHED 1xxx	Any PHED activity course	Recommended	1
PHED 13xx	Any 3 SCH PHED course	Recommended	3
			14 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
BIOL 2402	Human Anatomy and Physiology II	Core 030, 090	4
SPCH 1315	Public Speaking	Core 090	3
PHED 13xx	Any 3 SCH PHED course	Recommended	3
			16 semester hours

<b>Sophomore/Semester I</b>			
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
Social or Behavioral Science	Any course listed under core 080	Core 080	3
Language, Philosophy, & Culture (Humanities)	Any course listed under core 040	Core 040	3
English	Any literature course	Recommended	3
Creative Arts (Performing/Visual Arts)	Any course listed under core 050	Core 050	3
			15 semester hours
<b>Sophomore/Semester II</b>			
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
PHED 13xx	Any 3 SCH PHED course	Recommended	3
PSYC 2301	Introduction to General Psychology	Core 080	3
MATH	MATH 1314 or above	Core 020	3
PHED 1xxx	Any PHED activity course	Recommended	1
COSC 1301	Introduction to Computing	Recommended	3
			16 semester hours

<b>MATHEMATICS</b>			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
MATH 2413	Calculus I	Core 020	4
BIOL, CHEM or PHYS	BIOL 1406, CHEM 1411 or PHYS 1401	Core 030, 090	4
SPCH 1315	Public Speaking	Core 090	3
			17 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
Math 2414	Calculus II	Core 090	4
BIOL, CHEM or PHYS	BIOL 1407, CHEM 1412 or PHYS 1402	Core 030, 090	4
PHED 1xxx	Any PHED activity course	Recommended	1
			15 semester hours
<b>Sophomore/Semester I</b>			
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
MATH 2415	Calculus III	Core 090	4
PHYS 2425	University Physics I	Recommended	4
Social or Behavioral Science	Any course listed under core 080	Core 080	3
Language, Philosophy, & Culture (Humanities)	Any course listed under core 040	Core 040	3
			17 semester hours

<b>Sophomore/Semester II</b>			
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
MATH 2320	Differential Equations	Recommended	3
PHYS 2426	University Physics II	Recommended	4
Language, Philosophy, & Culture (Humanities)	Any course listed under core 040	Core 040	3
Creative Arts (Performing/Visual Arts)	Any course listed under core 050	Core 050	3
			16 semester hours

The following is a recommended course of study for music. Students who plan to pursue a baccalaureate degree in music should seek advising from the WCJC music department and the institution to which they intend to transfer. All entering music students are evaluated by audition before being placed in the requisite courses. Students who intend to teach music may want to consider the AAT in Teaching, Plan C, with an emphasis in Music.

<b>MUSIC</b>			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
Applied Music	MUAP 1222, 1246, 1260, 1270, or 1282	Recommended	2
Band or Choir	MUEN 1127 or 1141	Recommended	1
COSC 1301	Introduction to Computing	Recommended	3
MUSI 1308	Music Literature I	Required	3
Music Elective	Any music elective MUAP, MUEN or MUSI	Recommended	1 or 2
			16-17 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
Applied Music	MUAP 1222, 1246, 1260, 1270, or 1282	Recommended	2
Band or Choir	MUEN 1127 or 1141	Recommended	1
MUSI 1309	Music Literature II	Required	3
MATH	MATH 1314 or above	Core 020	3
Music Elective	Any music elective MUAP, MUEN or MUSI	Recommended	1 or 2
			16-17 semester hours
<b>Sophomore/Semester I</b>			
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
SPCH 1315	Public Speaking	Core 090	3
Life & Physical Science with lab	Any course listed under Core 030	Core 030, 090	4
Applied Music	MUAP 1222, 1246, 1260, 1270, or 1282	Recommended	2
Band or Choir	MUEN 1127 or 1141	Recommended	1
Language, Philosophy, & Culture (Humanities)	ENGL 2327, 2328, or HUMA 1301	Core 040	3
MUSI 1181	Class Piano I	Recommended	1

<b>Sophomore/Semester II</b>			17 semester hours
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
Life & Physical Science with lab	Any course listed under core 030	Core 030, 090	4
Social or Behavioral Science	Any course listed under core 080	Core 080	3
PHED 1xxx	Any PHED activity course	Recommended	1
Applied Music	MUAP 1222, 1246, 1260, 1270, or 1282	Recommended	2
Band or Choir	MUEN 1127 or 1141	Recommended	1
Music Elective	Any music elective MUAP, MUEN or MUSI	Recommended	1 or 2
			15-16 semester hours

The following is a recommended course of study. Students should identify early the institution to which they intend to transfer to complete the baccalaureate in nursing. These programs generally have requirements for admission and specific courses required by the program.

<b>NURSING: PRE-BACCALAUREATE NURSING</b>			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
BIOL 2401	Human Anatomy and Physiology I	Core 030, 090	4
SPCH 1315	Public Speaking	Core 090	3
SOCI 1301	Introduction to Sociology	Recommended	3
			16 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
BIOL 2402	Human Anatomy & Physiology II	Core 030, 090	4
MATH 1342	Elementary Statistical Methods	Core 020	3
PSYC 2301	Introduction to General Psychology	Core 080	3
			16 semester hours
<b>Sophomore/Semester I</b>			
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
BIOL 2420	Microbiology	Core 090	4
CHEM 1405 or CHEM 1411	Introduction to Chemistry or General Chemistry I	Recommended	4
PSYC 2314	Lifespan, Growth & Development	Recommended	3
Language, Philosophy, & Culture (Humanities)	Any course listed under core 040	Core 040	3
			17 semester hours
<b>Sophomore/Semester II</b>			
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
Life & Physical Science	Any CHEM or BIOL course	Recommended	4
BIOL 1322	Nutrition	Recommended	3
Creative Arts (Performing/Visual Arts)	Any course listed under core 050	Core 050	3
PHED 1xxx	Any PHED activity course	Recommended	1
			14 semester hours

PHYSICS			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
MATH 2413	Calculus I	Core 020	4
CHEM 1411	General Chemistry I	Core 030, 090	4
PHED 1xxx	Any PHED activity course	Recommended	1
			15 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
Math 2414	Calculus II	Core 090	4
CHEM 1412	General Chemistry II	Core 030, 090	4
PHYS 2425	University Physics I	Recommended	4
			18 semester hours
<b>Sophomore/Semester I</b>			
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
MATH 2415	Calculus III	Core 090	4
PHYS 2426	University Physics II	Recommended	4
SPCH 1315	Public Speaking	Core 090	3
			14 semester hours
<b>Sophomore/Semester II</b>			
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
Language, Philosophy, & Culture (Humanities)	Any course listed under core 040	Core 040	3
Creative Arts (Performing/Visual Arts)	Any course listed under core 050	Core 050	3
Social or Behavioral Science	Any course listed under core 080	Core 080	3
Elective	Any ACAD elective		3
			15 semester hours

SOCIAL SCIENCE: HISTORY, GEOGRAPHY, GOVERNMENT			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
MATH	MATH 1314 or above	Core 020	3
Life & Physical Science with lab	Any course listed under core 030	Core 030, 090	4
PHED 1xxx	Any PHED activity course	Recommended	3
SPAN 1311 or Elective	Spanish I or Academic (ACAD) transfer course	Recommended	3-4
			19-20 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
Life & Physical Science with lab	Any course listed under core 030	Core 030, 090	4
SPAN 1311 or Elective	Beginning Spanish I or Academic (ACAD) transfer course	Recommended	3-4
COSC 1301	Introduction to Computing	Recommended	3
			16-17 semester hours

<b>Sophomore/Semester I</b>			
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
English	Any literature course	Core 040	3
Economics	ECON 2301 or 2302	Core 080	3
Social Science	ANY ECON, GEOG, or HIST course	Recommended	3
SPCH 1315	Public Speaking	Core 090	3
			15 semester hours
<b>Sophomore/Semester II</b>			
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
Language, Philosophy & Culture (Humanities)	Any course listed under core 040	Core 040	3
Social Science	Any ECON, GEOG, or HIST course	Recommended	6
Creative Arts (Performing/Visual Arts)	Any course listed under core 050	Core 050	3
			15 semester hours

<b>SPEECH</b>			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
Life & Physical Science with lab	Any course listed under core 030	Core 030, 090	4
SPCH 1315	Public Speaking	Core 090	3
MATH	MATH 1314 or higher	Core 020	3
			16 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
Life & Physical Science with lab	Any course listed under core 030	Core 030, 090	4
SPCH 1318	Interpersonal Communication	Core 090	3
Creative Arts (Performing/Visual Arts)	Any course listed under core 050	Core 050	3
PHED 1xxx	Any PHED activity course	Recommended	1
			17 semester hours
<b>Sophomore/Semester I</b>			
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
Language, Philosophy, & Culture (Humanities)	Any course listed under core 040	Core 040	3
Social Science	Social Science course from core 080	Core 080	3
SPCH 1321	Business and Professional Speaking	Recommended	3
SPCH 1342	Voice and Articulation	Recommended	3
			15 semester hours



<b>Sophomore/Semester II</b>			
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
English	Literature Course	Recommended	3
SPCH 2341	Oral Interpretation	Recommended	3
COSC 1301	Introduction to Computing	Recommended	3
Creative Arts (Performing/Visual Arts)	DRAM or MUSI course	Recommended	3
			15 semester hours

## Associate of Arts in Teaching (AAT)

WCJC awards the Associate of Arts in Teaching degree for students planning to pursue baccalaureate programs that lead to initial Texas teacher certification. Students are advised to seek academic advising in the first semester enrolled since individual universities may vary in their transfer requirements. There are two AAT tracks that include 60 semester credit hours of coursework. Plan B leads to Initial Texas Teacher Certification EC-6, 4-8, EC-12 Special Education; Plan C leads to Initial Texas Teacher Certification 8-12, and other EC-12 Certifications.

Students taking the Education courses will be required to complete and pass a criminal background check.

Completion of an AAT does not necessarily guarantee admission to a university teacher education program and later teacher certification through the state Board for Educator Certification (SBEC). Additional requirements with regard to grade point average, assessments, criminal history, and proof of legal status must be satisfied as required by the receiving university and SBEC.

The AAT degree requires 60 semester credit hours; and students should be aware they may not be able to transfer more than 60-66 semester credit hours to a university. It is recommended that students seek academic advising in the first semester enrolled.

### **ASSOCIATE DEGREE IN TEACHING (AAT) PLAN B** **Leading to Initial Texas Teacher Certification EC-6, 4-8, EC -12 Special Education**

<b>AAT – PLAN B</b>			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
MATH 1314	College Algebra	Core 020	3
Life & Physical Science with lab	Any course listed under core 030	Core 030, 090	4
SPCH 1315	Public Speaking	Core 090	3
			16 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
Life & Physical Science with lab	Any course listed under core 030	Core 030, 090	4
HIST 2301 or Social Behavioral Science	Texas History or <i>Sophomore level</i> Social or Behavioral Science course listed under core 080	Core 080	3
			13 semester hours

<b>Sophomore/Semester I</b>			
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
TECA 1354 or Elective	Child Growth & Development or Academic (ACAD) transfer course	AAT Elective	3
Language, Philosophy, & Culture (Humanities)*	Any English literature course (British or American)*	Core 040	3
EDUC 1301	Introduction to the Teaching Profession	AAT core	3
MATH 1350	Fundamentals of Math I	AAT core	3
			15 semester hours
<b>Sophomore/Semester II</b>			
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
MATH 1351	Fundamentals of Math II	AAT core	3
EDUC 2301	Introduction to Special Populations	AAT core	3
Creative Arts (Performing/Visual Arts)	Any course listed under core 050	Core 050	3
Life & Physical Science Elective	GEOL 1304	AAT core	3
Science Lab or PHED	GEOL 1104 or PHED activity course	Core 090 or Optional elective	1
*Check with university for preference			16 semester hours

**ASSOCIATE OF ARTS IN TEACHING (AAT) PLAN C**  
**Leading to Initial Texas Teacher Certification 8-12, Other EC-12**

<b>AAT – PLAN C</b>			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ENGL 1301	Composition I	Core 010	3
HIST 1301	U.S. History I	Core 060	3
MATH 1314	College Algebra	Core 020	3
Life & Physical Science with lab	Any course listed under core 030	Core 030, 090	4
PHED	Any PHED activity course	Optional Elective	1
Creative Arts (Performing /Visual Arts)	Any course listed under core 050	Core 050	3
			17 semester hours
<b>Freshman/Semester II</b>			
ENGL 1302	Composition II	Core 010	3
HIST 1302	U.S. History II	Core 060	3
Life & Physical Science with lab	Any course listed under core 030	Core 030, 090	4
EDUC 1301	Introduction to the Teaching Profession	AAT core	3
Component Area Option	Any course in Core 090, preferably related to teaching area	Core 090	3
Content Area **	Major Selection ** see below	ATT core	3
Content Area **	Major Selection ** see below	ATT core	3
			15 semester hours

<b>Sophomore/Semester I</b>			
GOVT 2305	Federal Government (Federal Constitution and Topics)	Core 070	3
ENGL 2327	American Literature I	Core 040	3
EDUC 2301	Introduction to Special Populations	AAT core	3
Content Area **	Major Selection **see below	ATT core	3-4
Content Area **	Major Selection **see below	ATT core	3-4
			15-17 semester hours
<b>Sophomore/Semester II</b>			
GOVT 2306	Texas Government (Texas Constitution and Topics)	Core 070	3
GEOG 1303 or HIST 2301	World Regional Geography or Texas History	Core 080	3
SPCH 1315	Public Speaking	Core 090	3
Content Area **	Major Selection **see below	AAT core	3
			12 semester hours

Students are advised to check with the transfer university when making content selections.

**\*\*WCJC is able to offer 12 academic hours in the following content area teaching fields/academic disciplines. The EC-12 course list is below. Students are advised to check with the transfer university when making content selections.**

### **EC-12:**

MUSIC	Select 9 hours from MUSI courses
PHYSICAL EDUCATION	Select 9 hours from PHED 1306, 1301, 1304, 1346
ART	Select 9 hours from ARTS courses
THEATER	Select 9 hours from DRAM courses
MATH	Select 9 hours from MATH courses
LIFE SCIENCES	Select 9 hours from BIOL courses
PHYSICAL SCIENCES	Select 9 hours from CHEM and/or GEOL course
SCIENCE	Select 9 hours from core 030 courses
ENGLISH, LANGUAGE ARTS, & READING	Select 9 hours from ENGL courses
COMPUTER SCIENCE	Select 9 hours from COSC 1436, 1437, 2436
SPEECH	Select 9 hours from SPCH 1318, 1321, 1342, 2341
BUSINESS EDUCATION	BUSI 1301, 2301, 2304
FOREIGN LANGUAGES	Select 9 hours from SPAN 1311, 1312, 2311, 2312

# Associate of Applied Science (AAS) Degrees and Certificates

Wharton County Junior College offers numerous specialized areas of academic/technical study (programs) in which a certificate or AAS degree may be offered.

## CERTIFICATE PROGRAMS

Wharton County Junior College's certificates and certification programs are designed to prepare completers with specific occupational skills that enable them to enter the workforce in a short period of time.

The minimum acceptable standard of satisfactory progress is a cumulative average of at least 2.0 grade point average (GPA) on attempted semester credit hours. Certificates will not be awarded unless the minimum standard of work (2.0 GPA) is achieved in all coursework required to complete the certificate.

Courses required in a certificate program may be transferred from equivalent courses taken at another accredited institution for up to 25% of the total certificate program hours, with approval of the Department Head.

## ASSOCIATE OF APPLIED SCIENCE DEGREES

The Associate of Applied Science is an occupationally oriented degree. Its primary purpose is to prepare students for entry into a particular occupation upon completion of the degree. Descriptions of WCJC's AAS degrees, along with required degree plans, are listed alphabetically. Applicants for the AAS degree must:

1. Satisfy all conditions for admission.
2. Meet Texas State Initiative (TSI) requirements as prescribed by the Texas Higher Education Coordinating Board (THECB).
3. Successfully complete all coursework according to the degree program's deadlines.
4. Complete at least twenty-four (24) semester credit hours at WCJC.
5. Meet all financial obligations to the college.

All AAS degree programs are comprised of between 60-72 semester credit hours and contain both technical and academic general education courses. The general education courses address the six core objectives – critical thinking skills, communication skills, empirical and quantitative skills, teamwork, personal responsibility, and social responsibility – that the Texas Higher Education Coordinating Board (THECB) has deemed essential to the learning process. All AAS degree plans must contain a minimum of 15 semester credit hours of general education courses, including one course from each of the three areas in the chart below. The remaining general education courses must be academic transfer courses of collegiate level and general in nature, not geared to a specific occupation.

### AAS General Education Course List

MATH or LIFE & PHYSICAL SCIENCE W/LAB	MATH 1314, 1316, 1324, 1325, 1342, 1350, 1351, 2312, 2320, 2413; 2414, or 2415 BIOL 1406, 1407, 2401, 2402, 2420; CHEM 1405, 1411, 1412; PHYS 1401, 1402, 2425, 2426; GEOL 1303+1103, 1304 + 1104
SOCIAL & BEHAVIORAL SCIENCE or AMERICAN HISTORY or GOVERNMENT/POLITICAL SCIENCE	ANTH 2351; CRIJ 1307; ECON 2301 OR 2302; GEOG 1303; GOVT 2305 or 2306; HIST 1301 or 1302; HIST 2301, 2311 or 2312; PSYC 2301, 2306, 2314; SOCI 1301, 1306, 2306 or 2319
LANGUAGE, PHILOSOPHY, & CULTURE (HUMANITIES) or CREATIVE ARTS (PERFORMING/VISUAL ARTS)	ENGL 2322, 2323, 2327, 2328, 2332, or 2333; PHIL 1301; HUMA 1301; SPAN 1311 or 1312; ARTS 1303, 1304, or 1313; DRAMA 1310 or 2366; MUSI 1306, 1307, or 1310

<sup>1</sup> A single course may not count toward more than one general education requirement.

The following degree and certificate plans list the specific course requirements and application process (when applicable) for each program and are listed alphabetically. **An asterisk (\*) is used next to electives that must be chosen from the above AAS General Education Course List.** Note some degree plans limit the elective options; it is recommended students seek program specific advisement in course selection.

**All programs, and courses within programs, are subject to change or deletion without notice by administrative authorities of WCJC. The addition or deletion of a new or existing program offered at WCJC requires action from the Board of Trustees of Wharton County Junior College.**

#### **AIR CONDITIONING, HEATING, REFRIGERATION AND ELECTRICAL TECHNOLOGY (CIP 47.0201)**

CERTIFICATE: 42 semester credit hours

This one year certificate program, open to **MALE** and **FEMALE** applicants, is designed to provide students with job-entry knowledge and skills in the practical application of air-conditioning, heating, refrigeration, residential wiring, and commercial wiring. The program of study includes, but is not limited to, methods of installing, maintaining, diagnosing, and repairing equipment. Computer simulation programs are used to improve diagnostic skills. Specific competencies taught include gas brazing and soldering, electrical circuits and motor analysis, system troubleshooting, conduit bending, wire size estimating, and circuit installations. Enrollment is offered to new students in the fall and spring semester. The program is offered at the Wharton campus only

To receive a certificate, an overall GPA of 2.0 must be maintained.

#### **ENTRANCE REQUIREMENTS**

- Must meet all admission requirements to Wharton County Junior College
- No testing is required for entrance into the program.

<b>Air Conditioning, Heating, Refrigeration and Electrical Technology</b>			
Course	Course Title		Semester Hours
<b>Semester I/Fall</b>			
HART 1301	Basic Electricity for HVAC		3
CNBT 1301	Introduction to the Construction Industry		3
HART 1307	Refrigeration Principles		3
ELPT 1329	Residential Wiring		3
ELPT 1325	National Electrical Code I		3
			15 semester hours
<b>Semester II/Spring</b>			
HART 1341	Residential Air Conditioning		3
ELPT 1345	Commercial Wiring		3
ELPT 2305	Motors and Transformers		3
ELPT 1357	Industrial Wiring		3
HART 2336	Air Conditioning Troubleshooting		3
			15 semester hours
<b>Semester III/Summer</b>			
CNBT 2437	Construction Estimating II		4
HART 2442	Commercial Refrigeration		4
HART 2441	Commercial Air Conditioning	Capstone Course	4
			12 semester hours

**AUTOMOTIVE TECHNOLOGY CERTIFICATE AND AAS DEGREE (CIP 47.0604)**

Certificate: 39 semester credit hours

AAS Degree: 71-72 semester credit hours

The certificate and AAS degree programs are designed to provide classroom and laboratory experiences on the proper use of hand tools, power tools, diagnostic testing equipment, and technical manuals in all phases of automotive maintenance, repair and diagnostics, including inspection, engine overhaul, electrical systems, fuel systems and fuel injection, brake systems, transmission and drive train systems (automatic and manual), suspension and steering systems, heating and air-conditioning systems, and engine performance. The program is based on Automotive Service Excellence (ASE) standards and prepares the students for the ASE certification tests. Automotive Technology instructors are ASE Master Certified. The Automotive Program is certified by the National Automotive Technicians Education Foundation (NATEF).

A Certificate of Completion in Automotive Technology can be earned in 10 ½ months; the AAS degree can be earned in two years. Students must maintain a minimum GPA of 2.0 (a "C" average in required curriculum). Prerequisite: TSI Reading requirement met or minimum passing score on Pre-TASP (accepted for certificate major only).

Enrollment is open to new students at the beginning of the fall and spring semesters. New students **MUST** enroll in AUMT 1301 as an introductory course during their first semester. Students must be enrolled in all Automotive Technology courses offered for each semester.

**Students are required to provide their own hand tools and work uniforms.**

**Capstone Experience:** An exit exam will be administered to all students upon completion of the one-year certificate. The capstone test will consist of 80 questions with 10 questions in each of the eight areas of the Automobile Service Excellence (ASE) certification.

Some universities will allow 24-44 hours of technical credit transferable towards a Bachelor of Applied Arts or Science degree. Contact individual universities for information.

<b>Automotive Technology Certificate</b>			
Course	Course Title		Semester Hours
<b>Fall Semester</b>			
AUMT 1301	Intro and Theory of Automotive Technology	*Required first semester	3
AUMT 1407	Automotive Electrical Systems		4
AUMT 1419	Automotive Engine Repair		4
AUMT 2417	Automotive Engine Performance Analysis I		4
			12-15 semester hours
<b>Spring Semester</b>			
AUMT 1301	Intro and Theory of Automotive Technology	*Required first semester	3
AUMT 1410	Automotive Brake Systems		4
AUMT 2413	Automotive Drive Train and Axles		4
AUMT 2425	Automotive Automatic Transmissions and Transaxles		4
AUMT 2434	Automotive Engine Performance Analysis II		4
			16-19 semester hours
<b>Summer Session I</b>			
AUMT 1445	Automotive Climate Control Systems		4
AUMT 1416	Automotive Suspension and Steering Systems		4
			8 semester hours

<b>Automotive Technology AAS Degree</b>			
Course	Course Title		Semester Hours
<b>Freshman/Semester I - Fall</b>			
AUMT 1301	Intro and Theory of Automotive Technology	*Required first semester	3
AUMT 1407	Automotive Electrical Systems		4
AUMT 1419	Automotive Engine Repair		4
AUMT 2417	Automotive Engine Performance Analysis I		4
			12-15 semester hours
<b>Freshman/Semester II - Spring</b>			
AUMT 1301	Intro and Theory of Automotive Technology	*Required first semester	3
AUMT 1410	Automotive Brake Systems		4
AUMT 2413	Automotive Drive Train and Axles		4
AUMT 2425	Automotive Automatic Transmissions and Transaxles		4
AUMT 2434	Automotive Engine Performance Analysis II		4
			16-19 semester hours
<b>Summer I</b>			
AUMT 1445	Automotive Climate Control Systems		4
AUMT 1416	Automotive Suspension and Steering Systems		4
			8 semester hours
<b>Sophomore/Semester I - Fall</b>			
AUMT 2337	Automotive Electronics		3
Social/Behavioral Science elective*	*Elective from AAS General Education Course List		3
ENGL 1301	Composition I		3
Math or Life & Physical Science elective*	*Elective from AAS General Education Course List		3-4
BCIS 1305	Business Computer Applications		3
			15-16 semester hours
<b>Sophomore/Semester II - Spring</b>			
AUMT 2301	Automotive Management		3
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List		3
BUSI Elective			3
PSYC 2301			3
AUMT 1249	General Psychology		2
AUMT 2380 (CC)	Automotive Electronics Theory		3
	Cooperative Education-Automotive Tech		17 semester hours

#### **COMPUTER SCIENCE: CISCO ROUTER NETWORKING CERTIFICATE (CIP 11.0901)**

CISCO Academy

Certificate: 22 semester credit hours

The Cisco Router Networking Certificate program is designed to teach individuals to work with networks. This certificate prepares students for entry-level careers as Network Support Specialists, Network Control Technicians, Network Technicians, and LAN or WAN Technicians. Upon completion of this program, students will become eligible to take the Cisco Certified Network Associate (CCNA) certification test and the Network + Certification test. After successfully completing the CCNA test the student will be recognized as a Cisco Certified Associate with Cisco Incorporated. Classes offered in the Cisco Router Networking Certificate program can be applied toward the AAS in Network Administration degree.

*Note: Many potential employers in this field require a criminal background check and drug screen. Graduates with certain criminal histories or positive drug screens may have difficulty finding employment after program completion.*

Courses in this program are offered primarily at the Richmond campus in Richmond. Some courses may also be offered at the Wharton campus.

<b>Cisco Router Networking Certificate</b>		
Course	Course Title	Semester Hours
ITSC 1305	Introduction to PC Operating Systems	3
ITSC 1325	Personal Computer Hardware	3
ITCC 1475	Cisco 1 – Introduction to Networks	4
ITCC 1476	Cisco 2 – Routing and Switching Essentials	4
ITCC 1478	Cisco 3 – Scaling Networks	4
ITCC 1479	Cisco 4 – Connecting Networks	4
		22 semester hours

#### **COMPUTER SCIENCE: COMPUTER PROGRAMMING AAS DEGREE (CIP 11.0201)**

AAS Degree: 68 semester credit hours

The Computer Programming degree is designed to prepare students for entry-level career opportunities in software development, web design, and web application programming. The curriculum of the program includes an introduction to operating systems such as Microsoft Windows and Linux and various programming languages with an emphasis on Java. The degree program also includes a capstone software project that incorporates skills and abilities gained throughout the degree program such as gathering requirements, performing system analysis, writing programming code, and documenting.

Students must earn a grade of “C” or higher in the program capstone course (INEW 2330) in order to graduate. Some upper level universities will allow transfer credit from 24-44 hours of the technical credits toward a Bachelor of Applied Arts or Science degree. Contact the transfer institution for more information. Several courses in the program may be articulated through local and/or Tech Prep agreements with area school districts. Students can earn college credit toward this program while still in high school. For more information, contact your high school Tech Prep coordinator or the program director.

*Note: Many potential employers in this field require a criminal background check and drug screen. Graduates with certain criminal histories or positive drug screens may have difficulty finding employment after program completion.*

The Computer Programming AAS degree is offered at the Richmond campus; however, some courses may be offered at other campuses or online.

<b>Computer Programming AAS Degree</b>		
Course	Course Title	Semester Hours
<b>Freshman/Semester I</b>		
COSC 1301	Introduction to Computing	3
ITSC 1305	PC Operating Systems	3
Math elective	MATH 1314 or higher	3
ITSE 1329	Programming Logic and Design	3
COSC 1436	Programming Fundamentals I	4
		16 semester hours



<b>Freshman/Semester II</b>		
ITSC 1307	UNIX Operating System I	3
COSC 1437	Programming Fundamentals II	4
ITSW 1307	Introduction to Database	3
ITSE 1311	Beginning Web Programming	3
ITNW 1325 or ITCC 1476	Fundamentals of Networking or Cisco 1 – Introduction to Networks	3-4
		16-17 semester hours
<b>Summer</b>		
GOVT 2305	Federal Government (Federal Constitution and Topics)	3
Math or Life & Physical Science Elective*	*Elective from AAS General Education Course List	3-4
		6-7 semester hours
<b>Sophomore/Semester I</b>		
ITSE 1350	System Analysis and Design	3
ITSE 2309	Database Programming	3
ARTS, DRAM or MUSI Elective*	*Elective from AAS General Education Course List	3
ITSE 2302	Intermediate Web Programming	3
GOVT 2306	Texas Government (Texas Constitution and Topics)	3
		15 semester hours
<b>Sophomore/Semester II</b>		
ITSE 2321	Object-oriented Programming	3
INEW 2330 (CC)	Comprehensive Software Project: Planning and Design	3
INEW 2334	Advanced Web Programming	3
English 1301 or Elective	ENGL 1301 or CETT 1331, or any ITCC, ITSC, ITNW, ITSE, INEW, or CSIR course	3
Accounting/Business Elective	ACCT 2301, BUSI 1301 or MRKG 1301	3
		15 semester hours

### **COMPUTER SCIENCE: COMPUTER SIMULATION & GAME DEVELOPMENT AAS DEGREE (CIP 11.0901)**

AAS Degree: 71 semester credit hours

The focus of this degree is to give the students a solid understanding of the core concepts needed in computer gaming and computer simulations. Additionally, this degree provides basic understanding of other computer fields that require mathematical and graphic intensive computing.

Students must earn a grade of “C” or higher in the program capstone course (GAME 2359) in order to graduate.

Some upper level universities will allow transfer credit from 24-44 hours of the technical credits toward a Bachelor of Applied Arts or Science degree. Contact the transfer institution for more information.

*Note: Many potential employers in this field require a criminal background check and drug screen. Graduates with certain criminal histories or positive drug screens may have difficulty finding employment after the program completion.*

Computer Simulation and Game Development AAS is offered at the Richmond campus; however, some courses may be offered at other campuses or online.

<b>Computer Simulation &amp; Game Development AAS Degree</b>		
Course	Course Title	Semester Hours
<b>Freshman/Semester I</b>		
GAME 1303	Introduction to Game Design & Development	3
ITSC 1305	PC Operating Systems	3
MATH 1316	Trigonometry	3
GOVT 2305	Federal Government (Federal Constitution and Topics)	3
COSC 1436	Programming Fundamentals I	4
		16 semester hours
<b>Freshman/Semester II</b>		
ITSC 1307	UNIX Operating System I	3
ITSE 1311	Intro to Web Programming	3
ITSE 2321	Object-Oriented Programming	3
ITSE 1307	Introduction to C++ Programming	3
GAME 1336	Introduction to 3D Game Modeling	3
		15 semester hours
<b>Summer I</b>		
ENGL 1301	English Composition I	3
PHYS 1401	College Physics I	4
ARTS, DRAM or MUSI Elective*	*Elective from AAS General Education Course List	3
		10 semester hours
<b>Sophomore/Semester I</b>		
GAME 1309	Introduction to Animation Programming (Pre-req MATH 1316 & GAME 1336)	3
GAME 2341	Game Scripting (Pre-req PHYS 1401)	3
ITSE 2331	Advanced C++ Programming	3
ITSE 2370	Android Programming	3
ARTV 2301	2-D Animation I	3
		15 semester hours
<b>Sophomore/Semester II</b>		
GAME 1353	Multi-User Game Programming I	3
GOVT 2306	Texas Government (Texas Constitution and Topics)	3
GAME 2303	Artificial Intelligence	3
ENGL 1302	Composition II	3
GAME 2359	Game & Simulation Group Project (Capstone Course)	3
		15 semester hours

#### **COMPUTER SCIENCE: DIGITAL MEDIA – AAS DEGREE (CIP 11.0801)**

AAS Degree: 71 semester credit hours

There is one Computer Science: Digital Media degree with two available program specialties:

Technical Services Specialty

Web Design Specialty

Digital Media prepares students to create, develop, produce, and disseminate products utilizing or incorporating words or pictorial images to convey information, ideas, and feelings. Digital Media includes the family of market segments embracing the technologies of printing, publishing, packaging, electronic imaging, and their allied industries; they are often referred to as the graphic arts, print, or imaging industries.

Digital Media – Technical Services Specialty prepares students for technical support within the industry.

Digital Media – Web Design Specialty focuses on web-based technologies within the Digital Media industry.

Students must earn a grade of “C” or higher in ITSE 1301, IMED 1301, ARTC 1302, ARTC 1305, and IMED 2313 in order to graduate.

Some upper level universities will allow transfer credit from 24-44 hours of the technical credits toward a Bachelor of Applied Arts or Science degree. Contact the transfer institution for more information.

Several courses in the program may be articulated through local and/or Tech Prep agreements with area school districts. Students can earn college credit toward this program while still in high school. For more information, contact your high school Tech Prep Coordinator or the program director.

*Note: Many potential employers in this field require a criminal background check and drug screen. Graduates with certain criminal histories or positive drug screens may have difficulty finding employment after program completion.*

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### **Computer Science: Digital Media/Technical Services Specialty AAS Degree**

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Digital Media – Technical Services Specialty AAS is offered at the Sugar Land campus; however, some courses may be offered at other campuses or online.

<b>Digital Media – Technical Services Specialty AAS Degree</b>		
Course	Course Title	Semester Hours
<b>Freshman/Semester I</b>		
COSC 1301	Introduction to Computing	3
ITSC 1305	PC Operating Systems	3
ENGL 1301	Composition I	3
ITSC 1325	Personal Computer Hardware	3
IMED 1301	Intro to Digital Media	3
		15 semester hours
<b>Freshman/Semester II</b>		
ENGL 1302	Composition II	3
ITNW 2305	Network Administration	3
ITSW 1307	Introduction to Database	3
ITSE 1301	Web Design Tools	3
MATH 1314	College Algebra	3
		15 semester hours
<b>Summer</b>		
HIST 1301	U.S. History I	3
Life & Physical Science Elective*	*Elective from AAS General Education Course List	4
GOVT 2305	Federal Government (Federal Constitution and Topics)	3
		10 semester hours
<b>Sophomore/Semester I</b>		
ARTC 1302	Digital Imaging I	3
ARTS, DRAM or MUSI Elective*	*Elective from AAS General Education Course List	3
MATH 1324	Math for Business & Social Sciences (Finite Math)	3
HIST 1302	U.S. History II	3
ITSY 1342	Information Technology Security	3
		15 semester hours
<b>Sophomore/Semester II</b>		
GOVT 2306	Texas Government (Texas Constitution and Topics)	3
ITNW 1325 or ITCC 1401	Fundamentals of Networking or Cisco I	3 or 4
ARTC 1305	Basic Graphic Design	3
PBAD 2339	Human Resources	3
IMED 2313	Project Analysis & Design (Capstone Course)	3
		15 or 16 semester hours

## Computer Science: Digital Media/Web Design Specialty AAS Degree

Digital Media – Web Design Specialty AAS is offered at the Sugar Land campus; however, some courses may be offered at other campuses or online.

Digital Media – Web Design Specialty AAS Degree		
Course	Course Title	Semester Hours
<b>Freshman/Semester I</b>		
COSC 1301	Introduction to Computing	3
ITSC 1305	PC Operating Systems	3
ENGL 1301	Composition I	3
ITSE 1329	Programming Logic & Design	3
IMED 1301	Intro to Digital Media	3
		15 semester hours
<b>Freshman/Semester II</b>		
ENGL 1302	Composition II	3
ITSE 1311	Beginning Web Programming	3
ITSW 1307	Introduction to Database	3
ITSE 1301	Web Design Tools	3
MATH 1314	College Algebra	3
		15 semester hours
<b>Summer</b>		
HIST 1301	U.S. History I	3
Life & Physical Science Elective*	*Elective from AAS General Education Course List	4
GOVT 2305	Federal Government (Federal Constitution and Topics)	3
		10 semester hours
<b>Sophomore/Semester I</b>		
ARTC 1302	Digital Imaging I	3
ARTS, DRAM or MUSI Elective*	*Elective from AAS General Education Course List	3
MATH 1324	Math for Business & Social Sciences (Finite Math)	3
HIST 1302	U.S. History II	3
ITSE 2302	Intermediate Web Programming	3
		15 semester hours
<b>Sophomore/Semester II</b>		
GOVT 2306	Texas Government (Texas Constitution and Topics)	3
INEW 2334	Advanced Web Programming	3
ARTC 1305	Basic Graphic Design	3
PBAD 2339	Human Resource Management in Public Sectors	3
IMED 2313	Project Analysis & Design (Capstone Course)	3
		15 semester hours

## COMPUTER SCIENCE: NETWORK ADMINISTRATION AAS DEGREE (CIP 11.0901)

AAS Degree: 68 semester credit hours

The Network Administration AAS degree program is designed to prepare students for position in the networking field. The curriculum of the program covers planning, implementing, managing, and troubleshooting a network infrastructure. Topics include Microsoft client and server operating systems, Unix client and server operating systems, PC hardware, network hardware, routing, security, and critical server applications. Several classes in the Network Administration curriculum prepare students to obtain industry certifications. Classes offered in the Cisco Router Networking certificate program and the PC Technical Support certificate program can also be applied toward the AAS in Network Administration degree.

Some upper level universities will allow transfer credit from 24-44 hours of the technical credits toward a Bachelor of Applied Arts or Science degree. Contact the transfer institution for more information.

Students must earn a grade of “C” or higher in the program capstone course (INEW 2330) in order to graduate. Several courses in the program may be articulated through local and/or Tech Prep agreements with area school districts. Students can earn college credit toward this program while still in high school. For more information, contact your high school Tech Prep Coordinator or the program director.

*Note: Many potential employers in this field require a criminal background check and drug screen. Graduates with certain criminal histories or positive drug screens may have difficulty finding employment after program completion.*

Network Administration AAS is offered at the Richmond campus; however, some courses may be offered at other campuses or online.

<b>Network Administration AAS Degree</b>		
Course	Course Title	Semester Hours
<b>Freshman/Semester I</b>		
COSC 1301	Introduction to Computing	3
ITSC 1305	PC Operating Systems	3
MATH 1314	College Algebra	3
ITSE 1329 or COSC 1436	Programming Logic and Design or Programming Fundamentals I	3-4
ITSC 1325	Personal Computer Hardware	3
		15-16 semester hours
<b>Freshman/Semester II</b>		
CSIR 2351	Fiber Optic Communication System Installation and Repair	3
ITNW 2305	Network Administration	3
ITSC 1307	Unix Operating System I	3
ENGL 1301	Composition I	3
ITCC 1475	Cisco 1 – Introduction to Networks	4
		16 semester hours
<b>Summer</b>		
ITCC 1476	Cisco 2 – Routing and Switching Essentials	4
GOVT 2305	Federal Government (Federal Constitution and Topics)	3
		6 semester hours
<b>Sophomore/Semester I</b>		
ITSY 1342	Information Technology Security	3
ITNW 1345	Implementing Network Directory Services	3
ITSC 1358	Unix Administration I	3
Elective	Science Elective or CETT 1331, or any ITSC, ITCC, ITNW, IMED, ITSW, or ITSE course	3
ENGL 1302	Composition II	3
		15 semester hours
<b>Sophomore/Semester II</b>		
ITNW 2311	Implementing Mail Servers	3
ITNW 2335	Network Troubleshooting and Support	3
ITNW 2352	Administering SQL Server	3
Elective**	Science Elective or CETT 1331, or any ITSC, ITCC, ITNW, IMED, ITSW, or ITSE course	3
ARTS, DRAM, or MUSI Elective*	*Elective from AAS General Education Course List	3
**At least 6 SCH of science should be taken if planning to continue on to 4-year degree		15 semester hours

#### **COMPUTER SCIENCE: PC TECHNICAL SUPPORT CERTIFICATE (CIP 11.0901)**

Certificate: 30-31 semester credit hours

The PC Technical Support certificate program is designed to prepare students for entry-level desktop support positions. Typical job duties may include providing hardware and software technical assistance to end users, resolving basic computer and network problems, installing or repairing hardware and software, and training

end users. The curriculum of the program includes PC operating systems such as Microsoft Windows and Linux, PC and Network hardware, end-user application software, troubleshooting techniques, customer service skills, and basic networking techniques. Several classes in the curriculum prepare students to obtain industry certifications, such as IC3 and CompTIA A+. Classes offered in the PC Technical Support certificate program can also be applied toward the AAS in Network Administration degree. Students must earn a grade of “C” or higher in the program capstone course (INEW 2330) in order to graduate.

*Note: Many potential employers in this field require a criminal background check and drug screen. Graduates with certain criminal histories or positive drug screens may have difficulty finding employment after program completion.*

Courses in this program are primarily offered at the Wharton and Richmond campuses.

<b>PC Technical Support Certificate</b>		
Course	Course Title	Semester Hours
<b>Semester I</b>		
COSC 1301	Introduction to Computing	3
ITSC 1305	PC Operating Systems	3
ITSC 1325	Personal Computer Hardware	3
ITSE 1329	Programming Logic and Design	3
MRKG 1301	Customer Relationship Management	3
		15 semester hours
<b>Semester II</b>		
ITSW1307 or ITSE 1311	Introduction to Database or Beginning Web Programming	3
ITNW 1325 or ITCC 1475	Fundamentals of Networking or Cisco 1 – Introduction to Networks	3-4
ITSC 1307	UNIX Operating System I	3
ITNW 2305	Network Administration	3
ITSC 2339	Personal Computer Help Desk (Capstone Course)	3
		15-16 semester hours

## COMPUTER SCIENCE: MARKETABLE SKILLS ACHIEVEMENT AWARDS

### JAVA MARKETABLE SKILLS ACHIEVEMENT AWARD

Achievement Award: 12 semester credit hours

This award signifies that student understands and is able to analyze, design, code, test, debug, and implement theoretical concepts in data structure and application development including: Classes, GUIs, and Applets.

Marketable Skills Achievement Awards are embedded into AAS and / or certificate program plans. Upon completion of the series of courses, fill out application with the registrar to ensure that your award is included on your transcript.

<b>JAVA Marketable Skills Award</b>		
Course	Course Title	Semester Hours
<b>First Year/Semester I</b>		
COSC 1436	Programming Fundamentals I	4
<b>First Year/Semester II</b>		
COSC 1437	Programming Fundamentals II	4
<b>Second Year/Semester I</b>		
COSC 2436	Programming Fundamentals III	4
		12 semester hours

### LOCAL AREA NETWORK (LAN) MARKETABLE SKILLS ACHIEVEMENT AWARD

Achievement Award: 12 semester credit hours

This marketable skills award will provide education and training for individuals interested in developing their knowledge and skills as network professionals with emphasis on preparation for those wishing to take the CCNA certification exam.

Marketable Skills Achievement Awards are embedded into AAS and / or certificate program plans. Upon completion of the series of courses, fill out application with the registrar to ensure that your award is included on your transcript.

Local Area Network (LAN) Marketable Skills Award		
Course	Course Title	Semester Hours
<b>First Year/Semester I</b>		
ITCC 1475	Cisco 1 – Introduction to Networks	4
<b>First Year/Semester II</b>		
ITCC 1476	Cisco 2 – Routing and Switching Essentials	4
<b>Second Year/Semester I</b>		
ITCC 1478	Cisco 3 – Scaling Networks	4
		12 semester hours
<b>Recommended</b>		
ITCC 1479	Cisco 4 – Connecting Networks	4

### COSMETOLOGY CERTIFICATE (CIP 12.0401)

Certificate: 41 semester credit hours

The certificate program in cosmetology prepares students by developing positive attitudes as well as skills and technical knowledge necessary for competency in the field of cosmetology. The program is open to both female and male applicants, and allows students the opportunity to complete the State Cosmetology Board Examination. The student must have a 2.0 overall GPA to receive a certificate.

#### ENTRANCE REQUIREMENTS

1. Complete the Nelson-Denny Reading Test. The test is given by appointment at the WCJC Testing Centers. Students must have an application on file with WCJC prior to testing.
2. Selection of students accepted into the Cosmetology program is based on the ranking of the Nelson-Denny Reading Test results.
3. All admission requirements must be met with Wharton County Junior College.

Testing Center information for each campus is available online at [www.wcjc.edu](http://www.wcjc.edu) or by calling the Wharton campus at 1-800-561-9252 ext. 6386.

#### PLAN OF INSTRUCTION

The cosmetology certificate program consists of 11 calendar months. Students register for each semester (Fall, Spring, & Summer). New students are only accepted for Fall and Spring semesters. Evening classes are also available (18 Months). The program is offered in Wharton only. Inquiries concerning admission and registration to the program should be directed to the Cosmetology Department at 979-532-6422.

*Capstone Experience:* Mock State Board Exam

*State Board Exam:* Upon satisfactory completion of the program, students are eligible to apply to take the state board examination to become licensed as cosmetologists.

<b>Cosmetology Certificate</b>		
Course	Course Title	Semester Hours
<b>Semester I</b>		
CSME 1401	Orientation to Cosmetology	4
CSME 1505	Fundamentals of Cosmetology	5
CSME 1310	Introduction to Hair Cutting & Related Theory	3
CSME 2202	Introduction to Application of Hair Color	2
		14 semester hours
<b>Semester II</b>		
CSME 1551	Artistry of Hair Theory and Practice	5
CSME 1453	Chemical Reformation & Related Theory	4
CSME 2501	The Principles of Hair Coloring & Related Theory	5
CSME 2237	Advanced Cosmetology Techniques	2
CSME 2343	Salon Development	3
		19 semester hours
<b>Semester III</b>		
CSME 2441	Preparation for State Licensing Examination	4
CSME 2439	Advanced Hair Design	4
		8 semester hours

#### **COSMETOLOGY INSTRUCTOR I TRAINING PROGRAM      \*\* Continuing Education \*\***

Total Contact Hours: 176

#### **Continuing Education Department**

This professional training course provides 176 contact hours towards the 500 contact hours needed to obtain a Cosmetology Instructor License in the state of Texas. This course will cover the fundamentals of instruction of cosmetology students. The course content consists of classroom/clinic management, designing teaching methodologies, and implementing lesson plans.

#### **REQUIREMENTS AND PROCEDURES**

Applicants must be 18 years of age or older and must obtain a "Cosmetology Instructor I Training Program Checklist and Application" packet from the Continuing Education Department or website. Consideration for acceptance into the Cosmetology Instructor Training I Program is based upon submission of the following:

1. Completion of a Cosmetology Instructor I Training Program Application.
2. Copy of high school transcript or G.E.D.
3. Copy of valid Texas Department of Licensing and Regulation cosmetology license.
4. One year of verifiable experience as a licensed cosmetology operator.
5. One letter of recommendation.
6. All students must pass a Criminal Background Check.

#### **CRIMINAL BACKGROUND CHECK**

Applicants conditionally accepted into the Cosmetology Instructor I Training Program will be required to complete a criminal background check. Final acceptance into the program is contingent upon a satisfactory background check, which will be completed by an approved agency

<b>Cosmetology Instructor I Training Program</b>		
Course	Course Title	Contact Hours
CSME 1034	Cosmetology Instructor I	176



**COSMETOLOGY INSTRUCTOR II TRAINING PROGRAM****\*\* Continuing Education \*\***

Total Contact Hours: 165

**Continuing Education Department**

This professional training course provides 165 contact hours towards the 500 contact hours needed to obtain a Cosmetology Instructor License in the state of Texas. This course is a continuation of the fundamentals of instruction of cosmetology students. The course content consists of classroom/clinic management, designing teaching methodologies, and implementing lesson plans.

**REQUIREMENTS AND PROCEDURES**

Applicants must be 18 years of age or older and must obtain a "Cosmetology Instructor II Training Program Checklist and Application" packet from the Continuing Education Department or website. Consideration for acceptance into the Cosmetology Instructor Training II Program is based upon submission of the following:

1. Completion of a Cosmetology Instructor II Training Program Application.
2. Copy of high school transcript or G.E.D.
3. Copy of valid Texas Department of Licensing and Regulation cosmetology license.
4. One year of verifiable experience as a licensed cosmetology operator.
5. One letter of recommendation.
6. All students must pass a Criminal Background Check.

**CRIMINAL BACKGROUND CHECK**

Applicants conditionally accepted into the Cosmetology Instructor II Training Program will be required to complete a criminal background check. Final acceptance into the program is contingent upon a satisfactory background check, which will be completed by an approved agency

<b>Cosmetology Instructor II Training Program</b>		
Course	Course Title	Contact Hours
CSME 2014	Cosmetology Instructor II	165

**COSMETOLOGY INSTRUCTOR III TRAINING PROGRAM****\*\* Continuing Education \*\***

Total Contact Hours: 160

**Continuing Education Department**

This professional training course provides 160 contact hours towards the 500 contact hours needed to obtain a Cosmetology Instructor License in the state of Texas. This course is a presentation of lesson plan assignment and evaluation techniques. The course content consists of developing and presenting lesson plans and the use of multi-media technology. Students will present evaluation techniques used in a cosmetology program.

**REQUIREMENTS AND PROCEDURES**

Applicants must be 18 years of age or older and must obtain a "Cosmetology Instructor III Training Program Checklist and Application" packet from the Continuing Education Department or website. Consideration for acceptance into the Cosmetology Instructor Training III Program is based upon submission of the following:

1. Completion of a Cosmetology Instructor III Training Program Application.
2. Copy of high school transcript or G.E.D.
3. Copy of valid Texas Department of Licensing and Regulation cosmetology license.
4. One year of verifiable experience as a licensed cosmetology operator.
5. One letter of recommendation.
6. All students must pass a Criminal Background Check.

## CRIMINAL BACKGROUND CHECK

Applicants conditionally accepted into the Cosmetology Instructor III Training Program will be required to complete a criminal background check. Final acceptance into the program is contingent upon a satisfactory background check, which will be completed by an approved agency

Cosmetology Instructor III Training Program		
Course	Course Title	Contact Hours
CSME 2015	Cosmetology Instructor III	160

## Dental Hygiene AAS Degree (CIP 51.0602)

AAS Degree: 72 semester credit hours

The Dental Hygiene program consists of a combination of subject matter, experiences, and general liberal-arts courses designed to prepare a person to provide dental hygiene services to patients. The dental hygienist's primary functions include oral prophylaxis, taking and processing radiographs, and oral-health education.

The program is fully accredited by the Commission on Dental Accreditation of the American Dental Association; a specialized accrediting body recognized by the Council on Post-secondary Accreditation and by the United States Department of Education and is approved by the Texas State Board of Dental Examiners (TSBDE). Graduates of the program are eligible to take the National Board Examination and Western Regional Board Examination for licensure.

Students entering the Dental Hygiene program should have a strong science background; therefore, four hours of college chemistry with a minimum grade of "C" is strongly recommended. Special consideration for acceptance will be given to applicants meeting this recommendation.

The program is only offered at the Wharton campus.

## ADMISSION REQUIREMENTS AND PROCEDURES

The Dental Hygiene program has a limited enrollment. Prerequisites for acceptance into the freshman Dental Hygiene class are:

1. Eligibility for admission to Wharton County Junior College
2. Evidence of high school chemistry (2 semesters) or equivalent (4 hours college CHEM 1405 or 1411) with a minimum grade of "C"
3. ACT: Minimum reading score of 18, minimum composite score of 19 on the national American College Test (ACT); taken within 5 years of admission to the program, or pre-approved equivalent
4. Evidence of college credit in Human Anatomy and Physiology I and II (8 hours; BIOL 2401 and BIOL 2402), Microbiology (4 hours; BIOL 2420) with a minimum grade of "C"
5. Minimum 2.5 GPA in requisite courses

Dental Hygiene Program – Co-requisite Courses		
Course	Course Title	Semester Hours
<b>Co-requisite Courses</b>		
ENGL 1301	Composition I	3
PSYC 2301	General Psychology	3
SOCI 1301	Introduction to Sociology	3
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List	3
**Taken within the last 5 years		16 semester hours

## Application Submission Process

Applicants must submit the following **no later than December 1<sup>st</sup>** to be considered for early selection and **no later than May 31<sup>st</sup>** for final selection:

1. High school and college transcripts to the Office of Admission and Registration and to the Director of Dental Hygiene
2. ACT scores to the Office of the Admissions and Registration and to the Director of Dental Hygiene (national test preferred)
3. Dental Hygiene Application form to the Director of Dental Hygiene
4. Documentation of Hepatitis B immunization, completion, or in progress
5. Submit evidence of college credit in 8 hours; BIOL 2401, BIOL 2402, and BIOL 2420 with a minimum grade of "C" to the Director of Dental Hygiene
6. Submit proof of dental work experience, if applicable, to the Director of Dental Hygiene

Detailed application instructions are included in the application packet that is available by contacting the Dental Hygiene Department or online

at: [www.wcjc.edu\\_programs\\_n/allied\\_health/dental\\_hygiene/default.asp](http://www.wcjc.edu_programs_n/allied_health/dental_hygiene/default.asp)

## ACCEPTANCE INTO PROGRAM

Upon selection to the program, full acceptance is contingent upon the following:

1. Remittance of a non-refundable deposit of \$125 to secure final admission
2. Proof of current American Heart Association Health Care Provider CPR certification
3. Proof of required immunizations: Hepatitis B series, measles, mumps, rubella, varicella
4. Documentation of annual tuberculosis screening; positive results require follow-up
5. Completion of technical standards and health information form
6. Completion of satisfactory criminal background check

## CRIMINAL BACKGROUND CHECKS

Most clinical facilities require that criminal background checks be completed prior to allowing students to participate in clinical training at their facilities. The Texas State Board of Dental Examiners may deny application for licensure because of a person's conviction under state or federal law of a felony or misdemeanor that directly relates to the duties and responsibilities of the profession for which the person seeks licensure.

Therefore, applicants conditionally accepted into the WCJC Dental Hygiene program will be required to complete a criminal background check.

Final acceptance into the program is contingent upon a satisfactory background check which will be completed by an approved agency. An applicant with an unsatisfactory criminal background check must confer with the Director of Dental Hygiene prior to being eligible to receive full acceptance and enroll in the program. The cost of the criminal background check will be at the applicant's expense and is approximately \$55 (detailed information is available in the application packet).

In order to receive full acceptance for enrollment in the Dental Hygiene Program, an applicant with an unsatisfactory criminal background check must obtain a Criminal History Evaluation (CHE) from the TSBDE to ensure licensure eligibility upon graduation. [http://www.tsbde.state.tx.us/index.php?option=com\\_content&task=view&id=154&Itemid=144](http://www.tsbde.state.tx.us/index.php?option=com_content&task=view&id=154&Itemid=144). If you have been charged and/or convicted of any misdemeanor or felony (other than a traffic violation) you must submit the CHE to the TSBDE **90 days prior to the application deadline**. The CHE will then be complete if you are selected into the class or if you have alternate status; and will not prevent final acceptance into the program.

## EXPENSES

Each Dental Hygiene student must purchase instruments, supplies, pin, and insurance costing approximately \$2,700. Scholarships are available and students may contact the Financial Aid office for information.

**CAPSTONE EXPERIENCE:** During the last semester of the program, the capstone experience consists of a Mock National Board Dental Hygiene Examination that tests comprehensive cognitive abilities. The Mock examination assesses the ability to understand important information from basic biomedical, dental, and dental hygiene sciences and also the ability to apply such information in a problem-solving context. Successful completion of the mock examination is a pre-requisite to taking the National Board Dental Hygiene Examination *prior* to graduation.

Dental Hygiene AAS Degree		
Course	Course Title	Semester Hours
<b>Prerequisite Courses</b>		
BIOL 2401	Human Anatomy & Physiology I	4
BIOL 2402	Human Anatomy & Physiology II	4
BIOL 2420	Microbiology	4
		12 semester hours
<b>Freshman/Semester I - Fall</b>		
DHYG 1301	Orofacial Anatomy, Histology & Embryology	3
DHYG 1311	Periodontology	3
DHYG 1431	Preclinical Dental Hygiene	4
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List	3
		13 semester hours
<b>Freshman/Semester II - Spring</b>		
DHYG 1339	General & Oral Pathology	3
DHYG 1304	Dental Radiology	3
DHYG 1261	Clinical Dental Hygiene I	2
DHYG 1227	Preventive Dental Hygiene Care	2
DHYG 1307	General & Dental Nutrition	3
ENGL 1301	Composition I	3
		16 semester hours
<b>Summer I</b>		
DHYG 1319	Dental Materials	3
		3 semester hours
<b>Sophomore/Semester I - Fall</b>		
DHYG 1235	Pharmacology for the Dental Hygienist	2
DHYG 2362	Clinical Dental Hygiene II	3
DHYG 1315	Community Dentistry	3
DHYG 2201	Contemporary Dental Hygiene Care I	2
SOCI 1301	Introduction to Sociology	3
		13 semester hours
<b>Sophomore/Semester I - Spring</b>		
DHYG 2363	Clinical Dental Hygiene III	3
DHYG 2231	Contemporary Dental Hygiene Care II	2
DHYG 2253	Dental Hygiene Practice	2
DHYG 1271	Service Learning for Local Need	2
SPCH elective	SPCH 1315, SPCH 1318 or SPCH 1321	3
PSYC 2301	General Psychology	3
		15 semester hours

## EARLY CHILDHOOD: MARKETABLE SKILLS AWARD, CERTIFICATE AND AAS DEGREE (CIP 19.0706)

CERTIFICATE: 36-38 semester credit hours

AAS Degree: 64-66 semester credit hours

### ADMISSION REQUIREMENTS

Documentation must be provided and/or on file for the following within the first week of your first Early Childhood course:

1. A signed statement that you have read and agree to abide by the Texas Minimum Standards for day care centers.
2. Criminal History Statement as required by the Texas Department of Protective and Regulatory Services – *This will be submitted for verification and may include a minimal fee to the student.*  
The following types of criminal convictions permanently bar a student from childcare operations: Felony convictions of an offense under The Texas Penal Code or any like offense under the law of another state or federal law:
  - Title 4: Inchoate Offenses (Chapter 15 Preparatory Offenses 15.031)
  - Title 5: Offenses Against the Person (Chapter 19, 20, 21, 22)
  - Title 6: Offenses Against the Family (Chapter 25)
  - Title 7: Offenses Against Property (Chapter 29)
  - Title 8: Offenses Against Public Administration (Chapter 38)
  - Title 9: Offenses Against Public Order and Decency (Chapter 42, 43 Subchapter A&B)
  - Title 10: Offenses Against Public Health, Safety, and Morals (Chapter 46, 49)
  - Offenses under the Health and Safety Code: Chapter 481. Texas Controlled Substance Act (Subchapter D. Offenses and Penalties)Deferred Adjudication is treated the same as a conviction until the probation is successfully completed. Any types of central registry findings such as sustained findings of physical or sexual abuse also permanently bars the student from childcare operations. Students with other misdemeanor or felony indictments, convictions or complaints may not enroll in child development courses until the Texas Department of Protective and Regulatory Services completes an assessment of risk. This may take several months.
3. Confirmation that confidentiality and professional discretion will be observed at all times.

Students must earn a grade of “C” or higher in the program capstone course (CDEC 2386) in order to graduate.

Several courses in the program may be articulated through local and/or Tech Prep agreements with area school districts. Students can earn college credit toward this program while still in high school. For more information, contact your high school Tech Prep coordinator or the program director.

### MARKETABLE SKILLS AWARD

Upon the recommendation of the Early Childhood Advisory Board, the department offers two Marketable Skills Achievement Awards of 9 semester credit hours in: a) curriculum and lesson planning for early childhood programs and b) effective classroom management. Courses in the awards are designed to develop an employee’s lesson planning skills for children ages 0-8 years or to develop an employee’s skills in effective classroom management for school age children (5-13 years). All courses can be applied toward the completion of the Associate of Applied Science Degree in Early Childhood Development.

Early Childhood: Marketable Skills Award in Curriculum and Lesson Planning		
Course	Course Title	Semester Hours
<b>Fall Semester</b>		
CDEC 1313	Curriculum Resources for Early Childhood Programs	3
<b>Spring Semester</b>		
CDEC 1356	Emergent Literacy for Early Childhood	3
CDEC 2307	Math and Science for Early Childhood	3
		9 semester hours

<b>Early Childhood: Marketable Skills Award in Effective Classroom Management (ONLINE)</b>		
Course	Course Title	Semester Hours
<b>Fall Semester</b>		
CDEC 1319	Child Guidance	3
CDEC 2315	Diverse Cultural and Multilingual Education	3
<b>Spring Semester</b>		
CDEC 2341	School Age Child	3
		9 semester hours

### EARLY CHILDHOOD CERTIFICATE

THEA Waived, Level I Certificate

This course of study is designed to prepare students for a career in early childhood/child development instruction or administration. Students who wish to take coursework for director's credentials should select CDEC 2426 and CDEC 2428 to satisfy the business courses needed to become a child care director. The program will provide lower-level technical courses (non-transferable) for continuing educational experience to satisfy state (Texas Department of Protective and Regulatory Services) and national (The Council for Early Childhood Professional Recognition) credential requirements. Students who plan to continue their education in the AAS degree program are strongly advised to enroll in PSYC 1300 Learning Framework to enhance their learning strategies.

<b>Early Childhood Certificate</b>		
Course	Course Title	Semester Hours
<b>Semester I</b>		
CDEC 1319	Child Guidance	3
CDEC 1321	Infant and Toddler	3
CDEC 2426 or TECA 1303	Administration of Programs for Children I or Family, School and the Community	3-4
CDEC 1358	Creative Arts for Early Childhood	3
CDEC 1313	Curriculum Resources for Early Childhood Programs	3
		15-16 semester hours
<b>Semester II</b>		
CDEC 1356	Emergent Literacy for Early Childhood	3
CDEC 2307	Math and Science for Early Childhood	3
CDEC 1359	Children with Special Needs	3
CDEC2341	The School-Aged Child	3
CDEC 2428 or TECA 1318	Administration of Programs for Children II or Wellness of the Young Child	3-4
		15-16 semester hours
<b>Semester III-Summer</b>		
COSC 1301	Introduction to Computing	3
CDEC 2386	Internship-Child Care Provider/Assistant (Capstone Course)	3
		6 semester hours

### EARLY CHILDHOOD/CHILD DEVELOPMENT AAS DEGREE

This is a workforce program which is Early Childhood Associate Degree Accredited (ECADA) that is designed to prepare students for an early childhood career that does not require teacher certification. Additionally, the program will provide lower-level academic and technical courses for continuing educational experiences to satisfy state (Texas Department of Protective & Regulatory Services) and National (The Council for Early Childhood Professional Recognition) credential education requirements. The department strongly advises students to enroll in PSYC 1300 Learning Framework in their first semester to enhance their learning strategies for the AAS degree.

*This program may be eligible for transfer credit to a Bachelor of Applied Science degree (BAS) if students take the general education courses marked with an asterisk (\*).*

<b>Early Childhood/Child Development AAS Degree</b>		
Course	Course Title	Semester Hours
<b>Freshman/Semester I - Fall</b>		
ENGL 1301	Composition I	3
TECA 1303	Family, School and the Community	3
CDEC 1358	Creative Arts for Early Childhood	3
CDEC 1313	Curriculum Resources for Early Childhood Program	3
CDEC 1319	Child Guidance	3
		15 semester hours
<b>Freshman/Semester II - Spring</b>		
COSC 1301	Introduction to Computing	3
TECA 1318	Wellness of the Young Child	3
CDEC 1359	Children with Special Needs	3
CDEC 1356	<b>Emergent Literacy for Early Childhood</b>	3
CDEC 2307	Math and Science for Early Childhood	3
SPCH 1315	Public Speaking	3
		18 semester hours
<b>Sophomore/Semester I - Fall</b>		
CDEC elective or ENGL 1302	CDEC 1321, CDEC 2341, CDEC 1323, or ENGL 1302 Composition II	3
Math/Life & Physical Science elective*	*Elective from AAS General Education Course List	3
CDEC 2426	Administration of Programs for Children I	3
TECA 1311	Educating Young Children	3
PSYC 2301, HIST 1301, or GOVT 2305	<b>Introduction to Psychology, U.S. History or Federal Government (Federal Constitution and Topics)</b>	3
		15 semester hours
<b>Sophomore/Semester II - Spring</b>		
CDEC 2428 OR CDEC 2315	Administration of Programs for Children II or Diverse Cultural and Multilingual Education	3-4
CDEC elective or GOVT 2306	CDEC 1321, CDEC 2341, CDEC 1323, or Texas Government (Texas Constitution and Topics)	3
TECA 1354	Child Growth and Development	3
Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List	3
CDEC 2386	Internship-Child Care Provider/Assistant (Capstone Course)	3
		15-16 semester hours

### **ELECTRONICS ENGINEERING TECHNOLOGY AAS DEGREE (CIP 15.0303)**

AAS Degree: 72 semester credit hours

Organized learning experiences leading to the Associate of Applied Science degree include theory and laboratory work as each relates to planning, producing, testing, assembling, installing, and maintaining electronic equipment: communications, industrial electronics, computer and computer interfaces, digital systems, robotic equipment, PLCs, and microprocessors. Program emphases are on system and component level troubleshooting, device characteristics, and circuits. Instruction is designed to develop knowledge, understanding, and skills essential for employment in industries relying on electronic means for communication, transport, manufacturing and process control, information processing, and in most electronic service occupations.

The program in electronics technology provides work-place experiences recommended by the U.S. Department of Labor Secretary's Commission on Achieving Necessary Skills (SCANS).

All students entering CETT 1403 or CETT 1425 must be enrolled in or have credit for MATH 1314.

Students may begin the program in the fall or spring semester; students beginning in the spring semester will take CETT 1321 in the following fall.

Students must earn a grade of “C” or higher in the program capstone course (CETT 2349) in order to graduate.

Several courses in the program may be articulated through local and/or Tech Prep agreements with area school districts. Students can earn college credit toward this program while still in high School. For more information, contact your high school Tech Prep coordinator or the program director.

<b>Electronics Engineering Technology AAS Degree</b>		
Course	Course Title	Semester Hours
<b>Freshman/Semester I-Fall</b>		
CETT 1321	Electronic Fabrication	3
ENGL 1301	Composition I	3
MATH 1314**	College Algebra	3
Social and Behavioral Sciences elective*	*Elective from AAS General Education Course List	3
**Students may enroll in MATH 2312 and 2413 (Calculus) if qualified		12 semester hours
<b>Freshman/Semester II-Spring</b>		
CETT 1403	D.C. Circuits	4
CETT 1425	Digital Fundamentals	4
ENGL 2311	Technical Report Writing	3
MATH 1316	Trigonometry	3
		14 semester hours
<b>Sophomore/Semester I-Fall</b>		
CETT 1405	A.C. Circuits	4
CETT 1429	Solid State Devices	4
CETT 1449	Digital Systems	4
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List	3
		15 semester hours
<b>Sophomore/Semester II-Spring</b>		
CETT 1331	Programming for Discrete Electronic Devices	3
CETT 1341	Solid State Circuits	3
CETT 1445	Microprocessor	4
CETT 1457	Linear Integrated Circuits	4
EECT 1303	Introduction to Telecommunications	3
		17 semester hours
<b>Sophomore/Semester III-Fall</b>		
ELMT 1301	Programmable Logic Controllers	3
ELMT 2433	Industrial Electronics	4
EECT 2439	Communications Circuits	4
CETT 2349	Research & Project Design	3
		14 semester hours

#### **EMERGENCY MEDICAL TECHNOLOGY: CERTIFICATE, MARKETABLE SKILLS AWARD AND AAS DEGREE** (CIP 51.0904)

LEVEL 1 CERTIFICATE: 23 semester credit hours

LEVEL 2 CERTIFICATE: 45 semester credit hours

MARKETABLE SKILLS AWARD: 7 semester credit hours

AAS DEGREE: 60 semester credit hours

These courses prepare students as emergency medical care providers in a pre-hospital setting. Persons certified as EMT-Paramedics provide a higher level of care as specified by the Texas Department of State



Health and the National Registry of EMT's. The EMS program is nationally accredited by the Commission on Accreditation of Allied Health Educational Programs (CAAHEP).

EMT courses are offered at the Richmond and Wharton campus. The Advance Emergency Medical Technician (AEMT) and EMT-Paramedic courses are offered in Wharton.

Emergency Medical Technician Certificate of Paramedic program is a one year certificate course of study that earns the student semester credit hours. These hours can be matriculated into the Emergency Medical Technology Associate of Applied Science degree at a later date.

## ENTRANCE REQUIREMENTS

- TSI Reading requirement met.
- Complete an application to the EMS Program.
- Must meet all admission requirements to Wharton County Junior College.
- Students must first complete the EMT program prior to enrolling in the EMT-Paramedic course.
- Students must have a current Health Care Provider CPR card from the American Heart Association prior to entering the course. Students not current in Health Care Provider CPR should refer to the WCJC Continuing Education schedule for course offerings.

## PARAMEDIC CERTIFICATE

<b>Paramedic Certificate</b>		
Course	Course Title	Semester Hours
<b>Semester I – EMT (Marketable Skills Award)</b>		
EMSP 1501	Emergency Medical Technician	5
EMSP 1260	EMT- Clinical (Capstone Course)	2
		7 semester hours
<b>Semester II – AEMT (Level 1 Certificate)</b>		
EMSP 1338	Introduction to Advanced Practice	3
EMSP 1355	Trauma Management	3
EMSP 1356	Patient Assessment & Airway Management	3
EMSP 2260	Intermediate AEMT – Clinical (Capstone Course)	2
EMSP 2338	EMS Operations	3
EMSP 1291	Special Topics: AEMT Medical Emergencies and Special Populations	2
		16 semester hours
<b>Semester III – Paramedic Completion I</b>		
EMSP 2330	Special Populations	3
EMSP 2348	Pharmacology	3
EMSP 2434	Medical Emergencies	4
EMSP 2444	Cardiology	4
EMSP 2261	Paramedic Clinical Cardiology	2
		16 semester hours
<b>Semester IV – Paramedic Completion II (Level 2 Certificate)</b>		
EMSP 2243	Assessment Based Management (Capstone Course)	2
EMSP 2262	EMT – Paramedic Clinical (Capstone Course)	2
EMSP 2264	EMT – Paramedic Clinical Field (Capstone Course)	2
		6 semester hours

## EMERGENCY MEDICAL SERVICES AAS DEGREE

This program is designed to prepare students for a career in emergency medical services. Students completing the first semester may apply for EMT-certification. Students completing the additional occupational and

general education courses will earn an AAS in Emergency Medical Services which broadens and heightens their educational and career opportunities and portability.

<b>Emergency Medical Services AAS Degree</b>			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
EMSP 1501	Emergency Medical Technician		5
EMSP 1260	EMT- Clinical	(Capstone Course)	2
BIOL 2401	Human Anatomy & Physiology I		4
SOCI 1301 or PSYC 2301	Introduction to Sociology or General Psychology		3
PHED elective	Any PHED activity course		1
			15 semester hours
<b>Freshman/Semester II</b>			
EMSP 1338	Introduction to Advanced Practice		3
EMSP 1355	Trauma Management		3
EMSP 1356	Patient Assessment & Airway Management		3
EMSP 2260	AEMT – Clinical	(Capstone Course)	2
EMSP 2338	EMS Operations		3
EMSP 1291	Special Topics: AEMT Medical Emergencies and Special Populations		2
			16 semester hours
<b>Sophomore/Semester I</b>			
EMSP 2330	Special Populations		3
EMSP 2348	Pharmacology		3
EMSP 2434	Medical Emergencies		4
EMSP 2444	Cardiology		4
EMSP 2261	EMT – Paramedic Clinical I Cardiology		2
			16 semester hours
<b>Sophomore/Semester II</b>			
EMSP 2243	Assessment Based Management	(Capstone Course)	2
EMSP 2262	EMT – Paramedic Clinical II	(Capstone Course)	2
EMSP 2264	EMT – Paramedic Clinical Field	(Capstone Course)	2
BIOL 2402	Human Anatomy and Physiology II		4
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List		3
			13 semester hours

MARKETABLE SKILLS AWARD: EMSP 1501  
 EMSP 1260  
 EMSP 1355  
 EMSP 1356

#### **ENGINEERING DESIGN: CERTIFICATES AND AAS DEGREE (CIP 15.1301 and CIP 15.1303)**

##### **TECH PREP PROGRAM**

CERTIFICATES: 24 semester credit hours Architectural Certificate

24 semester credit hours CAD Certificate

AAS Degree: 66 semester credit hours

##### **ENGINEERING DESIGN: ARCHITECTURAL DESIGN CERTIFICATE**

This certificate program in architectural design is recommended for those individuals who have a desire to pursue a career in architectural residential design as an apprentice or trainee. This program provides students with learning experiences in computer-aided design, architectural (residential) design, and structural design.

<b>Architectural Design Certificate</b>		
Course	Course Title	Semester Hours
DFTG 1405	Technical Drafting	4
DFTG 1409	Basic Computer-Aided Drafting	4
DFTG 1410	Specialized Basic Computer-Aided Drafting (CAD)	4
DFTG 1417	Architectural Drafting-Residential	4
DFTG 2432	Advanced computer-Aided Drafting	4
DFTG 1493	Special Topics in Civil Drafting and Civil Engineering CAD/CADD	4
		24 semester hours

### **ENGINEERING DESIGN: COMPUTER-AIDED DRAFTING (CAD) CERTIFICATE**

The certificate program in computer-aided drafting is recommended for the individual who has prior drafting experience and wishes to update his/her skills. Manual drafting skills recommended through Tech-Prep, college transfer, high school courses or work experience.

<b>Computer-Aided Drafting (CAD) Certificate</b>		
Course	Course Title	Semester Hours
DFTG 1405	Technical Drafting	4
DFTG 1409	Basic Computer-Aided Drafting	4
DFTG 1410	Specialized Basic Computer-Aided Drafting (CAD)	4
DFTG 2419	Intermediate Computer-Aided Drafting	4
DFTG 2436	Computer-Aided Drafting Programming	4
DFTG 2440	Solid Modeling/Design	4
		24 semester hours

### **ENGINEERING DESIGN AAS DEGREE/TECH PREP PROGRAM**

The program in engineering design is a four-semester course of study leading to an Associate of Applied Science degree. Specialized learning experiences include the implementation of computer-aided design software in various design disciplines. Instruction emphasizes the development of technical knowledge and drafting skills that are essential to the successful entrance in the job market as a design technician.

Former students have been employed as pipe designers, architectural designers, tool designers, civil designers, structural detail designers, electrical designers, and job estimators.

The Engineering Design program provides work-place experiences recommended by the U.S. Department of Labor Secretary's Commission on Achieving Necessary Skills (SCANS).

Several courses in the program may be articulated through local and/or Tech-Prep agreements with area school districts. Students can earn college credit toward this program while still in high school. For more information, contact our high school Tech-Prep coordinator or the program director.

Some upper level universities will allow you to transfer anywhere from 24-44 hours of your technical credit toward a Bachelor of Applied Arts or Science degree. Contact your transfer university for information.

<b>Engineering Design AAS Degree</b>		
Course	Course Title	Semester Hours
<b>Freshman/Semester I</b>		
DFTG 1405*	Technical Drafting	4
DFTG 1409*	Basic Computer-Aided Drafting	4
DFTG 1410	Specialized Basic Computer-Aided Drafting (CAD)	4
MATH 1314	College Algebra	3
ENGL 1301	Composition I	3
		18 semester hours

<b>Freshman/Semester II</b>		
MATH 1316	Trigonometry	3
DFTG 1417	Architectural Drafting, Residential	4
DFTG 2419	Intermediate Computer-Aided Drafting	4
DFTG 2440	Solid Modeling/Design	4
		15 semester hours
<b>Sophomore/Semester I</b>		
DFTG 1493	Special Topics in Civil/Structural Design	4
DFTG 2406	Machine Design	4
DFTG 2407	Electrical Drafting	4
DFTG 2436	Computer-Aided Drafting Programming	4
ENGL 1302	Composition II	3
		19 semester hours
<b>Sophomore/Semester II</b>		
DFTG 2423	Pipe Drafting	4
DFTG 2338**	Final Project – Advanced Drafting (Capstone Course)	3
DFTG 2432	Advanced Computer-Aided Drafting	4
Social and Behavioral Science elective*	*Elective from AAS General Education Course List	3
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List	3
		17 semester hours

\*Students entering the program must be TSI satisfied.

This course may be taken during the 11<sup>th</sup> and 12<sup>th</sup> grade in high school as part of an articulated contract with the ISD. Credit will be given for DFTG 1405 if the coursework is done manually. Credit will be granted for DFTG 1409 only if the high school course is taught on the current version of AutoCAD software.

\*\*DFTG 2338 must be taken during the students graduating semester. If summer graduation is planned, DFTG 2338 must be taken the spring semester before the anticipated graduation. DFTG 2338 is not offered during the summer sessions.

Note:

1. It is recommended that all Engineering Design students' council with an instructor in their first semester of course work.
2. Student success in drafting course work is improved if students take core courses during the summers or mini-term sessions.

#### **ENGINEERING DESIGN: CONSTRUCTION MANAGEMENT AAS DEGREE**

AAS Degree: 69 semester credit hours

The Construction Management program is a five-semester course of study leading to an Associate of Applied Science degree. Students in the program will gain the knowledge and skills to join the commercial and residential construction industry in a leadership capacity. Coursework for the degree includes construction management, engineering graphics, mechanical and electrical systems, materials, estimating, construction documents, construction safety and basic surveying in addition to general education courses.

Upon successful completion of the program, students can enter the job market or have the opportunity to further their education in a Bachelors degree program at the university level.

Courses are designed for ease of transferability. Contact your transfer university for information.

Construction Management courses are only offered at the Sugar Land campus.

<b>Construction Management AAS Degree</b>		
Course	Course Title	Semester Hours
<b>Freshman/Semester I</b>		
CNST 1361	Construction Management I	3
ENGR 1304	Engineering Graphics I	3
ENGL 1301	Composition I	3
MATH 1324	Mathematics for Business & Social Sciences (Finite Math)	3
GOVT 2305	Federal Government (Federal Constitution and Topics)	3
		15 semester hours
<b>Freshman/Semester II</b>		
ENGT 2304	Materials & Methods for Engineering Technology	3
DFTG 1493	Special Topics in Civil Drafting and Civil Engineering	4
ENGL 1302	Composition II	3
MATH 1316	Trigonometry	3
CNST 2321	Mechanical & Electrical Systems	3
		16 semester hours
<b>Summer</b>		
Creative Arts (Performing/Visual Arts) Elective	Creative Arts (Performing/Visual Arts) Elective	3
CHEM 1411	General Chemistry I	4
		7 semester hours
<b>Sophomore/Semester I</b>		
CNST 2351	Construction Estimating I	3
CNST 2341	Construction Documents	3
PHYS 1401	College Physics I	4
ACCT 2301	Principles of Financial Accounting	3
MATH 2312	Pre-Calculus Math	3
		16 semester hours
<b>Sophomore/Semester II</b>		
SRVY 1401	Introduction to Surveying	4
SPCH 1315	Public Speaking	3
CNBT 1210	Basic Construction Safety	2
BUSI 2301	Business Law	3
ENGL 2311	Technical & Business Writing	3
		15 semester hours

#### **FIRE ACADEMY CERTIFICATE (CIP 43.0203)**

CERTIFICATE: 26 semester credit hours

##### **Basic Fire Fighter Certificate**

Wharton County Junior College operates a fire academy, certified by the Texas Commission on Fire Protection. This 640 hour academy has been divided into 7 college credit classes, Fire Certification I through VII. These topic areas and hours have been approved by the Texas Commission on Fire Protection. Upon successful completion of all 7 courses, the student will be eligible to take the state certification examination needed to become a certified, paid firefighter in the state of Texas. All courses must be completed as a block.

The Fire Academy offers day classes, as well as in-service training for both paid and volunteer fire departments. Participants must apply and be accepted to Wharton County Junior College and the Fire Academy.

## ENTRANCE REQUIREMENTS

- Be at least 18 years of age
- Must meet all admission requirements to Wharton County Junior College.
- TSI Reading requirement met or minimum passing score on Pre-TASP.
- Successfully complete all forms required by the WCJC Fire Academy, which involves passing a physical and drug exam.
- Have not been convicted of any felony offense.
- Have not been convicted of an offense above a Class C Misdemeanor within the last five (5) years.

Fire Academy – Basic Fire Fighter Certificate		
Course	Course Title	Semester Hours
<b>Semester I</b>		
FIRS 1401	Fire Fighter Certification I	4
FIRS 1507	Fire Fighter Certification II	5
FIRS 1313	Fire Fighter Certification III	3
FIRS 1319	Fire Fighter Certification IV	3
FIRS 1423	Fire Fighter Certification V	4
FIRS 1329	Fire Fighter Certification VI	3
FIRS 1433	Fire Fighter Certification VII	4
		26 semester hours

## HEALTH INFORMATION TECHNOLOGY AAS DEGREE (CIP 51.0707)

AAS Degree: 70 semester credit hours

The Health Information Technology Program is accredited by the Commission on Accreditation of Health Informatics and Information Management Education (CAHIIM). Graduates of the program are eligible to sit for the American Health Information Management Association's credentialing exam for qualifications as a Registered Health Information Technician (RHIT). Graduates are prepared to serve as entry-level RHITs in a variety of settings including hospitals, clinics, long-term care facilities, insurance companies, state, local and federal health agencies and related health facilities. The RHIT performs such functions as coding and classifying patient data for reimbursement; reviewing medical records for completeness and accuracy; providing security of information to protect patient privacy; responding to authorized inquiries for insurance and legal purposes; and for organizing, analyzing and evaluating information for statistics, billing, research and other reports and special studies. Registered Health Information Technicians are often responsible for supervising the daily work of employees in health information management departments.

Due to a limited number of spaces available, meeting all of the criteria does not guarantee anyone admission to the program.

## ADMISSION REQUIREMENTS AND PROCEDURES

Applicants must obtain an Information Packet from the Health Information Technology (HIT) Program. Information packets can be obtained by calling the program or by downloading from the HIT website.

All students are encouraged to meet with the program director prior to enrolling in the program.

The following paperwork must be submitted by the **last Thursday in June** to the Health Information Technology Program. Eligible applications will be offered admittance until the class is full.

1. Submit proof of acceptance to WCJC (letter of acceptance, etc.) with your HIT application.
2. Complete the Health Information Technology Program application.
3. A transcript from each college you have attended sent to:
  - a. Office of Admissions and Registration (Official Copy)
  - b. Health Information Technology Program (Copy)

4. Technical Standards Form signed.

Applicants conditionally accepted into the WCJC HIT Program will be required to complete/submit the following prior to enrollment in practicum courses:

1. Must show proof of completion of the Hepatitis B vaccine series or serologic confirmation of immunity to Hepatitis B virus prior to enrolling in the practicum courses.
2. Must have a completed physical examination by their personal physician prior to enrolling in the practicum courses. The cost of the physical examination will be at the applicant's expense. Health Data Form will be provided.
3. CRIMINAL BACKGROUND CHECKS- Most practicum facilities require that criminal background checks be completed prior to allowing students to participate in training at their facilities. Applicants conditionally accepted into the Health Information Technology Program will be required to complete a satisfactory criminal background check from a college approved agency prior to enrolling in the practicum courses. The cost of the criminal background check will be at the applicant's expense. The anticipated cost for the criminal background check is approximately \$52.00.
4. DRUG SCREENING- Applicants conditionally accepted into the Health Information Technology program will also be required to complete a drug screen with negative results prior to enrolling in the practicum courses. Only drug screens conducted through a college approved agency will be accepted. The cost of the drug screen will be at the applicant's expense. The anticipated cost for the drug screen is \$50.00.

#### ESTIMATED COSTS

Tuition and Fees .....	See Financial Information Section
Books (approximate) .....	\$500 per semester
Prior to Clinical Practicum:	
Criminal Background Check.....	\$52.02
Negative Drug Screen.....	\$50.00 (approximate)
Accident/Liability Insurance.....	\$35.00
Physical Examination.....	Individual Physician's Fee
National Accreditation Exam Fee (after graduation).....	\$235

\*Transportation costs incurred during clinical phase vary according to individually planned schedules. Students are responsible for transportation.

Preference for admission will be given to applicants who have college credit in the following courses:

BIOL 2401 (Human Anatomy & Physiology I)  
 BIOL 2402 (Human Anatomy & Physiology II)  
 COSC 1301 (Introduction to Computing)  
 ENGL 1301 (English Composition I)  
 ENGL 1302 (English Composition II)

Health Information Technology AAS Degree		
Course	Course Title	Semester Hours
<b>Freshman/Semester I</b>		
HITT 1345	Health Care Delivery Systems	3
HITT 1301	Health Data Content & Structure	3
HITT 1305	Medical Terminology I	3
BIOL 2401	Human Anatomy & Physiology I	4
ENGL 1301	Composition I	3
COSC 1301	Introduction to Computing	3
		19 semester hours

<b>Freshman/Semester II</b>			
MRMT 1307	Medical Transcription I		3
HITT 1249	Pharmacology		2
HITT 1353	Legal & Ethical Aspects of Health Information		3
BIOL 2402	Human Anatomy & Physiology II		4
ENGL 1302	Composition II		3
GOVT 2305	Federal Government (Federal Constitution and Topics)		3
			18 semester hours
<b>Sophomore/Semester I</b>			
HITT 1441	Coding and Classification Systems		4
HITT 1355	Health Care Statistics		3
HITT 1167	Practicum I Health Information Technology		1
HPRS 2301	Pathophysiology		3
HITT 1311	Health Information Systems		3
SPCH 1315	Public Speaking		3
			17 semester hours
<b>Sophomore/Semester II</b>			
HITT 2166	Practicum II Health Information Technology		1
HITT 2339	Health Information Organization & Supervision	Capstone Course	3
HITT 2435	Coding and Reimbursement Methodologies		4
HITT 2443	Quality Assessment & Performance Improvement		4
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List		3
			15 semester hours
<b>Summer</b>			
HITT 2167	Practicum III Health Information Technology	Capstone Course	1
			1 semester hour

#### **HUMAN SERVICES CERTIFICATE AND AAS DEGREE (CIP 51.1599)**

CERTIFICATE: 37 semester credit hours

AAS Degree: 70-72 semester credit hours

AFFILIATED: Council for Standards in Human Service Education

#### **ENTRANCE REQUIREMENTS**

**The Human Services Program is accredited by the Council for Standards in Human Service Education (CSHSE). Graduates of the program may be eligible to sit for the Center for Credentialing and Education's (CCE) national certification examination.**

Consideration for acceptance into the Human Services Program is based upon the submission of the following:

1. Completed application for admission to WCJC, submitted to both the Office of Admissions and Registration and to the Human Services program
2. Copy of all College transcripts (if applicable)
3. Completed application to the Human Services Program
4. Completed Criminal Background Check through the college-approved agency
5. Negative drug screen when required
6. **AAS ONLY:** Acceptable college entrance exams on file with college and evidence provided for the Human Services Program



Upon acceptance into the Human Services Program:

1. All students who are accepted into the Human Services Program must purchase liability insurance through WCJC at a cost of approximately \$35.00 when enrolled in the practicum field experience.
2. Practicum settings may require evidence of immunizations (possibly diphtheria-tetanus, Hepatitis B, measles, mumps, rubella, varicella, and a TB test – positive TB test will require follow-up), negative drug screen, and a criminal background check.
3. A grade of “C” or higher must be obtained in all curriculum specific to the Human Services Program. A GPA of 2.0 is required in all other general education courses in the Humans Services Program degree plan.

Students pursuing a Human Services Certificate or AAS degree should be aware of the following:

- **Criminal Background Checks and Drug Screening:** All clinical/practicum facilities utilized in the Human Services Program require criminal background checks be completed prior to allowing students to participate in clinical training at their facilities. Applicants conditionally accepted into the program will be required to complete a criminal background check. *Final acceptance into the program is contingent upon a satisfactory background check which will be completed by an approved agency.*
  - Students will be allowed to take 12 semester credit hours prior to the completion of the criminal background check.
  - The cost of the background check will be at the applicant’s expense; anticipated to be approximately \$52.00.
  - Information regarding this process should be obtained from the program director.
  - Students will be required to have a negative drug screen through the college approved agency. The estimated cost is \$40.00. Students may be required to submit to additional drug screens as required by the Human Services program and/or the clinical/practicum sites as warranted.
  - Students should be aware certain criminal histories may prevent them from participating in the practicum experience. Prior to the start of clinical/practicum, drug screens and criminal background checks will be required. Students deemed ineligible for clinical/practicum due to original history will be dismissed from the program and dropped from the program courses.
  - A second criminal background check may be required prior to entering the practicum field experience.

#### LEVEL ONE HUMAN SERVICES TECHNICIAN CERTIFICATE

The Human Services Technician Level One certificate will provide students an opportunity to gain entry level skills to enter fields such as, but not limited to, psychiatry, psychology, human services, rehabilitative therapy, social work, child welfare, health, family services, criminal justice, substance abuse, education, or working in environments assisting the homeless. It will also train students to observe patients and record information, conduct patient interviews, implement treatment plans, employ problem-solving techniques and develop an awareness of elements relative to a multi-culturally diverse community population. Certificate completers will participate in external learning experiences in a variety of contexts and will be required to complete a supervised practicum or clinical experience consisting of 180 hours. Effective communication, ethical protocol, interpersonal and time management skills will be emphasized throughout the program.

Level One Human Services Certificate		
Course	Course Title	Semester Hours
<b>Summer I</b>		
SCWK 1321	Orientation to Social Services	3
		3 semester hours

<b>Semester I</b>		
MRKG 1301	Customer Relationship Management	3
DAAC 1319	Intro to Alcohol and Other Drug Addictions	3
CHLT 1209	Community Ethics	2
CHLT 1302	Wellness & Health Promotion	3
CMSW 1309	Problems of Children & Adolescents	3
PSYT 1329	Interviewing & Communication Skills	3
		17 semester hours
<b>Semester II</b>		
COSC 1301	Introduction to Computing	3
DAAC 1317	Basic Counseling Skills	3
CHLT 1340	Community Health Advocacy	3
GERS 1342	Aging and Mental Health	3
PSYT 2335	Family Systems	3
PMHS 2260 (CC)	Clinical/Psychiatric/Mental Health Services Technician	2
		17 semester hours
CC-Capstone Course		

## HUMAN SERVICES AAS DEGREE

The Human Services AAS degree will prepare students for careers in a variety of fields such as, but not limited to, psychiatry, psychology, human services, rehabilitative therapy, social work, child welfare, health, family services, criminal justice, substance abuse, education, or working in an environment assisting the homeless. Job titles might include human service worker, case management aide, social work assistant, community support worker, mental health assistant, community outreach worker, life skills counselor or gerontology aide. Working conditions may vary considerably. Some may work in offices, clinics, and hospitals, while other graduates may work in group homes, shelters, day programs or may spend their time in the field visiting clients.

Human service assistants may provide direct and indirect client services. Students will be trained to observe patients and record information, conduct patient interviews, implement treatment plans, employ problem-solving techniques, handle crisis intervention matters, use proper case management and referral procedures, and develop an awareness of elements relative to a multi-culturally diverse community population.

Graduates will have a strong background in the appropriate cores of psychology and sociology; will participate in external learning experiences in a variety of contexts and will be required to complete a supervised practicum or clinical experience for two consecutive semesters completing 125 hours each semester. Effective communication, ethical protocol, interpersonal and time management skills will be emphasized throughout the program. Program coursework does address a multicultural emphasis. The AAS degree is designed to facilitate a transition from WCJC to a university or 4-year college with little or no loss of transfer credit giving the student an opportunity to obtain an advanced degree in fields such as human services, psychology, social work, and sociology.

<b>Human Services AAS Degree</b>		
Course	Course Title	Semester Hours
<b>Freshman/Summer I</b>		
SCWK 1321	Orientation to Social Services	3
PSYC 2301	General Psychology	3
		6 semester hours
<b>Freshman/Semester I</b>		
ENGL 1301	Composition I	3
DAAC 1319	Intro to Alcohol & Other Drug Addictions	3
CHLT 1209	Community Ethics	2
CHLT 1302	Wellness & Health Promotion	3
CMSW 1309	Problems of Children & Adolescents	3
PSYT 1329	Interviewing & Communication Skills	3
		17 semester hours

<b>Freshman/Semester II</b>		
ENGL 1302	Composition II	3
DAAC 1317	Basic Counseling Skills	3
CHLT 1340	Community Health Advocacy	3
GERS 1342	Aging and Mental Health	3
PSYT 2335	Family Systems	3
		15 semester hours
<b>Summer I</b>		
COSC 1301	Introduction to Computing	3
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List	3
		6 semester hours
<b>Sophomore/Semester I</b>		
MRKG 1301 or SPCH 1315	Customer Relationship Management or Public Speaking	3
PSYT 2345	Principles of Behavior Management & Modification	3
Life & Physical Science Elective* or SOCI 1306	*Elective from General Education Core List for AAS Degrees or Social Problems	3-4
MATH 1342	Introduction to Statistics	3
GOVT 2305* or SOCI 1301	Federal Government (Federal Constitution and Topics) or Introduction to Sociology	3
PSYT 2164** (CC)	Practicum-Field Experience-Clinical Psychology	1
		16-17 semester hours
<b>Sophomore/Semester II</b>		
GOVT 2306* or ANTH 2351	Texas Government or Cultural Anthropology	3
Life & Physical Science elective* or PSYC 2314	*Elective from General Education Core List for AAS Degrees or Life Span Psychology	3-4
PSYT 2321	Crisis Intervention	3
CHLT 2166** (CC)	Practicum-Community Health Services/Liaison/Counseling	1
*This elective must be selected from the list of core requirements for AAS degrees.		10-11 semester hours
**Contact program director/program director permission		
***Students intending to transfer to a 4-year university should take Life & Physical Science and Government courses (CC) Capstone Course		

#### **LAW ENFORCEMENT AAS DEGREE (CIP 43.0107)**

AAS Degree: 66 semester credit hours

The program in law enforcement is designed to prepare the student for the state licensing exam for peace officers and immediate employment in law enforcement.

<b>Law Enforcement AAS Degree</b>		
Course	Course Title	Semester Hours
<b>Freshman/Semester I</b>		
CRIJ 1301	Introduction to Criminal Justice	3
CRIJ 1310	Fundamentals of Law	3
ENGL 1301	Composition I	3
MATH	College Level Math	3
COSC 1301	Introduction to Computing	3
		15 semester hours

<b>Freshman/Semester II</b>			
CRIJ 1306	Court Systems & Practices		3
Social Behavioral Science elective* or CRIJ 1307	*Elective from General Education Core List for AAS Degrees or Crime in America		3
CRIJ 2313	Corrections Systems & Practices		3
ENGL 2311	Technical & Business Writing		3
			12 semester hours
<b>Summer I</b>			
CJSA 2288	Internship-Criminal Justice/Safety Studies I		2
			2 semester hours
<b>Summer II</b>			
CJSA 2289	Internship-Criminal Justice/Safety Studies II		2
			2 semester hours
<b>Sophomore/Semester I</b>			
CRIJ 2323	Legal Aspects of Law Enforcement		3
CRIJ 2328	Police Systems & Practices		3
CRIJ 2314	Criminal Investigation		3
SPCH 1315 or 1318	Fundamentals of Speech or Interpersonal Communication		3
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from General Education Core List for AAS Degrees		3
			15 semester hours
<b>Sophomore/Semester II</b>			
CJLE 1506	Basic Peace Officer I		5
CJLE 1512	Basic Peace Officer II	Capstone Course	5
CJLE 1518	Basic Peace Officer III	Capstone Course	5
CJLE 1524	Basic Peace Officer IV	Capstone Course	5
			20 semester hours

## WORK/LIFE EXPERIENCE POLICY

The Criminal Justice program has developed the following mechanism to assist those persons employed in the criminal justice field to satisfy degree requirements for their work/life experience and in-service training.

Students who wish to obtain an applied science degree from the college in Law Enforcement and are certified peace officers in the state of Texas may satisfy degree requirements for Basic Peace Officer courses and for Internship I and II courses by meeting the following criteria and paying \$12.00 per credit hour. Students must have taken and successfully completed 24 hours of transferable college credit from Wharton County Junior College prior to receiving credit for the Peace Officer and internship courses. Criminal Justice department head approval is required for permission to satisfy degree requirements in this manner.

The prerequisites for work/life and in-service training credit are as follows:

1. The applicant must be currently employed with a criminal justice agency and have at least six months experience, and;
2. The applicant must submit a resume and all supporting documentation to the department head for evaluation, and;
3. The applicant must secure a letter of verification from the chief administrator of the employing agency attesting to the information contained in the applicant's resume and supporting documentation, regarding the prerequisites and criteria required by this policy, and;
4. The applicant must pay all fees required by the college.

No credit by resume is applicable until the applicant has earned an equivalent number of hours at Wharton County Junior College.

Credit for the following courses may be awarded by resume under the work/life experience policy:

CJSA 2288	Internship I
CJSA 2289	Internship II
CJLE 1506	Basic Peace Officer I
CJLE 1512	Basic Peace Officer II
CJLE 1518	Basic Peace Officer III
CJLE 1524	Basic Peace Officer IV

These classes are courses required for graduation with an Associate of Applied Science degree from Wharton County Junior College.

<b>Medical Office Specialist Training Program</b>	<b>** Continuing Education **</b>
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Total Contact Hours: 285

### **Continuing Education Department**

The Medical Office Specialist Program is a comprehensive program designed to assist students in gaining the skills and procedures necessary to become effective employees in the medical office. Students of the program will learn office procedures, basic anatomy, medical terminology, medical insurance billing and basic diagnostic coding. Additionally, the graduate will develop resume writing, job-seeking and interpersonal skills.

The office skills required to work in a medical or physician's office are quite different from other clerical jobs. This program prepares students for employment in a medical office setting (e.g., physician's office, dental office, therapy clinic, chiropractic clinic, etc.) or other related business environment. The medical office specialist will play a vital role in the daily operation of the medical facility or office. Students will also learn the keys to positive patient relations in the medical office, and how to build and maintain a loyal patient base to maximize their success at work. Upon completion of the program, students may elect to sit for NHA's Certified Medical Administrative Assistant certificate examination.

### **REQUIREMENTS AND PROCEDURES**

Applicants must obtain a "Medical Office Specialist Program Checklist and Application" packet from the Continuing Education Department or website. Consideration for acceptance into the Medical Office Specialist Program is based upon submission of the following:

1. Completion of a Medical Office Specialist Program Application.
2. Copy of high school transcript, college transcript or G.E.D.
3. Copy of driver's license or other form of government I.D.
4. Pre-TASP Reading Test with score of 14 or higher. (To schedule exam, please call the WCJC Testing Department at 979-532-6386). Test must have been taken within the past 3 years.
5. All students must pass a Criminal Background Check.

### **CRIMINAL BACKGROUND CHECK**

A criminal background check is required before acceptance into the program will be granted.

<b>Medical Office Specialist Training Program</b>		
Course	Course Title	Contact Hours
SCIT 1000	Basic Anatomy	40
HITT 1005	Medical Terminology	75
POFM 1006	Office Procedures	40
POFM 1017	Basic Diagnostic Coding	60
POFM 1000	Medical Insurance Billing	70

**NUCLEAR POWER TECHNOLOGY AAS DEGREE (CIP 41.0205)**

AAS Degree: 69-72 semester credit hours

Certificates: 22-24 semester credit hours

This program is designed to prepare students for entry level employment in the nuclear/power generation industry in the areas of operations, maintenance, chemistry and health physics. Students will be provided with the academic and technical competencies required to begin employment in the nuclear/power generation industry. Students can obtain an AAS Degree in one of three specialty areas (*Non-Licensed Operator, Electrical Technician, or Instrumentation & Control Technician*) and may choose to pursue one or more Level I Certificates in the remaining specialty options.

<b>Nuclear Power Technology/Non-Licensed Operator Specialty AAS Degree</b>		
Course	Course Title	Semester Hours
<b>Semester I</b>		
NUCP 1371	Math & Chemistry Fundamentals for Nuclear Power	3
ENER 1350 or PTAC 1302	Overview of Energy Industry or Intro to Process Technology	3
BCIS 1305	Business Computer Applications	3
MATH 1314 or MATH 2312	College Algebra or Pre-Calculus Math	3
ENGL 1301	Composition I	3
		15 semester hours
<b>Semester II</b>		
NUCP 1370	Nuclear Fundamentals I	3
NUCP 1471	Nuclear Fundamentals II	4
PTAC 1432	Process Instrumentation I	4
CHEM 1405 or CHEM 1411	Introductory Chemistry I or General Chemistry I	4
NUCP 1472	Nuclear Power Plant Organization & Process	4
		19 semester hours
<b>Semester III – Non Licensed Operator Specialty</b>		
CETT 1409	DC/AC Circuits	4
NUCP 2470	Nuclear Power Plant Systems I	4
Social & Behavioral Science Elective*	*Elective from AAS General Education Course List	3
PTAC 2314	Principles of Quality	3
INTC 1450	Digital Measurement & Controls	4
		18 semester hours
<b>Semester IV</b>		
NUCP 2471	Nuclear Power Plant Systems II (CC)	4
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List	3
Discipline-Related Studies Elective*	Discipline related studies elective from the list below	4
SPCH 1315	Public Speaking	3
BMGT 2347	Critical Thinking & Problem Solving	3
NUCP 1380	Cooperative Education**	3
		17-20 semester hours

(CC) Capstone Course

\*Discipline Related Studies Electives – Students choose one of the following (except Cooperative Education):

- PHYS 1401 – General Physics I
- CHEM 1411 or CHEM 1412 – General Chemistry I or II
- CETT 1425 – Digital Fundamentals
- MATH 2413 – Calculus I
- PTAC 2436 – Process Instrumentation II
- ELMT 2437 – Electronic Troubleshooting, Service & Repair
- INTC 1457 – AC/DC Motor Controls
- NUCP 1380 – Cooperative Education\*\*

\*\*Optional cooperative Education course (NUCP 1380) requires consent of the department Head. AAS Degree seeking student can take NUCP 1380 for a 16-week semester internship or an 8-week summer internship.

**Note:** Students pursuing the AAS-Non Licensed Operator Specialty and desiring to pursue the Electrical Technician and/or Instrumentation & Control Technician Level I Certificates **MUST** take ELPT 2437 and/or PTAC 2436 as a Discipline Related Electives to avoid completion delays.

**Note:** If a student has completed COSC 1301-Introduction to Computing, it can be substituted for BCIS 1305-Business Computer Applications.

<b>Nuclear Power Technology/Electrical Technician Specialty AAS Degree</b>		
Course	Course Title	Semester Hours
<b>Semester I</b>		
NUCP 1371	Math & Chemistry Fundamentals for Nuclear Power	3
ELPT 1370 or PTAC 1302	Intro to Power Technology or Intro to Process Technology	3
BCIS 1305	Business Computer Applications	3
MATH 1314 or MATH 2312	College Algebra or Pre-Calculus Math	3
ENGL 1301	Composition I	3
		15 semester hours
<b>Semester II</b>		
NUCP 1370	Nuclear Fundamentals I	3
NUCP 1471	Nuclear Fundamentals II	4
PTAC 1432	Instrumentation I	4
CHEM 1405 or CHEM 1411	Introductory Chemistry I or General Chemistry I	4
NUCP 1472	Nuclear Power Plant Organization & Process	4
		19 semester hours
<b>Semester III – Electrical Technician Specialty</b>		
CETT 1409	DC-AC Circuits	4
INTC 1450	Digital Measurement & Controls	4
Social & Behavioral Science Elective*	*Elective from AAS General Education Course List	3
PTAC 2314	Principles of Quality	3
ELMT 2437	Electronic Troubleshooting, Service and Repair	4
		18 semester hours

<b>Semester IV</b>		
INTC 1457	AC/DC Motor Controls	4
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List	3
ELMT 2441	Electromechanical Systems	4
SPCH 1315	Public Speaking	3
BMGT 2347	Critical Thinking & Problem Solving	3
NUCP 1380	Cooperative Education**	
		17 semester hours

\*\*Optional Cooperative Education course (NUCP 1380) requires consent of the department head. AAS Degree seeking students can take NUCP 1380 for a 16-week semester internship or an 8-week summer internship.

<b>Nuclear Power Technology/Instrumentation &amp; Control Technician Specialty AAS Degree</b>		
Course	Course Title	Semester Hours
<b>Semester I</b>		
NUCP 1371	Math & Chemistry Fundamentals for Nuclear Power	3
ELPT 1370 or PTAC 1302	Intro to Power Technology or Intro to Process Technology	3
BCIS 1305	Business Computer Applications	3
MATH 1314 or MATH 2312*	College Algebra or Pre-Calculus Math	3
ENGL 1301	Composition I	3
		15 semester hours
<b>Semester II</b>		
NUCP 1370	Nuclear Fundamentals I	3
NUCP 1471	Nuclear Fundamentals II	4
PTAC 1432	Instrumentation I	4
CHEM 1405 or CHEM 1411*	Introductory Chemistry I or General Chemistry I	4
NUCP 1472	Nuclear Power Plant Organization & Process	4
		19 semester hours
<b>Semester III – Instrumentation &amp; Control Specialty</b>		
CETT 1409	DC-AC Circuits	4
INTC 1450	Digital Measurement & Controls	4
Social & Behavioral Science Elective*	*Elective from AAS General Education Course List	3
PTAC 2314	Principles of Quality	3
PTAC 2436	Process Instrumentation II	4
		18 semester hours
<b>Semester IV</b>		
INTC 1457	AC/DC Motor Controls	4
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List	3
ELMT 2452	Power Generation Instrumentation	4
SPCH 1315	Public Speaking	3
BMGT 2347	Critical Thinking & Problem Solving	3
NUCP 1380	Cooperative Education**	3
		17-20 semester hours

\*\*Optional Cooperative Education course (NUCP 1380) requires consent of the department head. AAS Degree seeking students can take NUCP 1380 for a 16-week semester internship or an 8-week summer internship.



## LEVEL I CERTIFICATE OPTIONS

<b>Non-Licensed Operator Certificate</b>		
NUCP 1371	Math & Chemistry Foundational for Nuclear Power	3
NUCP 1370	Nuclear Fundamentals I	3
NUCP 1471	Nuclear Fundamental II	4
NUCP 1472	Nuclear Power Plant Organization & Processes	4
NUCP 2740	Nuclear Power Plant Systems I	4
NUCP 2741	Nuclear Power Plant Systems II	4
		22 semester hours

<b>Electrical Technician Certificate</b>		
PTAC 1432	Process Instrumentation I	4
CETT 1409	DC/AC Circuits	4
INTC 1450	Digital Measurement & Controls	4
ELMT 2437	Electronic Troubleshooting, Service & Repair	4
INTC 1457	AC/DC Motor Controls	4
ELMT 2441	Electromechanical Systems	4
		24 semester hours

<b>Instrumentation &amp; Control Technician Certificate</b>		
PTAC 1432	Process Instrumentation I	4
CETT 1409	DC/AC Circuits	4
INTC 1450	Digital Measurement & Controls	4
PTAC 2436	Process Instrumentation II	4
INTC 1457	AC/DC Motor Controls	4
ELMT 2452	Power Generation Instrumentation	4
		24 semester hours

The Level I Certificates are intended to maximize a student's opportunity for immediate exit for employment or with options to continue to pursue the program's AAS Degree Specialty after completion of certificate requirements.

The Level I Certificates may also be used as enhancements to the Nuclear Power Technology and Process Technology AAS Degrees (or other degrees) by providing students more flexibility in their employment options.

### **NURSING: ASSOCIATE DEGREE NURSING (ADN) AAS DEGREE (CIP 51.1601)**

AAS Degree: 60 semester credit hours, Preparation for RN  
Division of Allied Health

The Associate Degree in Nursing (ADN) is a two year program to prepare graduates to be accountable, responsible, beginning practitioners of professional nursing who are able to utilize the nursing process in giving direct care to clients in structured health care settings. General education courses as well as nursing courses are included in the curriculum and are transferable to many four-year colleges that offer baccalaureate degrees in nursing.

Upon successful completion of the program, graduates are qualified to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). The program is approved by the Texas Board of Nursing (BON).

The ADN program has limited enrollment. Admission to the program is by a competitive ranking process. Students are accepted

1. Fall semester for Wharton campus
2. Spring semester for Sugar Land campus

Application packet for Wharton campus is published online in November.

Application packet for Sugar Land campus is published online in April.

- Wharton campus application packet deadline is the **third Wednesday of March.**
- Sugar Land campus application packet deadline is the **third Wednesday of August.**

#### **APPLICATION/ADMISSION REQUIRMENTS**

1. Application and current admission to WCJC. Student must have evidence that they have met with a Wharton County Junior College counselor or advisor at any campus to discuss the degree plan for the associate degree program.
2. Must have all components of Texas Success Initiative (TSI) satisfied prior to application.
3. If student has attended any institution other than WCJC, must request transcript evaluation through the Office of Admissions and Registration at least one semester prior to application deadline. (Registrar must have official transcript from each college attended.)
4. Associate Degree Program must have a copy of transcript from each college including WCJC with application.
5. Admission Testing: Two options
  - a. TEAS V (Test of Essential Academic Skills)
    1. Must have minimum composite score of 73%.
    2. Exam results must be within two years.
  - b. HESI A<sup>2</sup> (HESI Admission Assessment)
    1. Must take all 11 sections with a minimum composite of 84%.
    2. Exam results must be within two years.
6. The following courses must be completed **prior to application deadline** with a grade of "C" or higher and a GPA of 2.5 or higher.
  - a. BIOL 2401 Human Anatomy & Physiology I
  - b. PSYC 2301 Introduction to General Psychology
7. Must have the following courses completed **prior to admission semester** with a grade of "C" or higher and a GPA of 2.5 or higher.
  - a. BIOL 2402 Human Anatomy & Physiology II
  - b. PSYC 2314 Life Span Growth and Development
8. Hepatitis B vaccination:
  - a. Applicants who have had the Hepatitis B vaccine series must submit proof of completion in the application packet.
  - b. Applicants who have not received the Hepatitis B vaccine series must submit in the application packet proof that the vaccine series has been started.
    1. For fall admission must have been started by February 1<sup>st</sup>.
    2. For spring admission must have been started by July 1<sup>st</sup>.
9. Statement of Student Responsibility completed and signed.
10. Must have all components of application packet complete and turned in by deadline to be processed for admission.

#### **COMPETITIVE RANKING PROCESS**

Acceptance to the associate degree nursing program is a competitive ranking process based on points awarded for designated criteria. Meeting all of the criteria does not guarantee anyone admission to the program.

Criteria for points includes but not limited to:

1. Proof of completion of prerequisite courses by stated deadline. Grade must be a “C” or better and an overall GPA of 2.5 or higher.
2. Proof of completion of support nursing courses required for Associate Degree submitted in application packet. Grade must be a “C” or better and an overall GPA of 2.5 or higher.
  - a. BIOL 2420 Microbiology
  - b. ENGL 1301 Composition I
  - c. Language, Philosophy, & Culture (Humanities) (per WCJC catalog)
3. TEAS V examination results (minimum composite score of 73% required) or HESI A<sup>2</sup> results (minimum composite score of 84% required).
4. Proof of completion of specific course work toward a RN-BSN transition program with a minimum grade of “C”
  - a. ENGL 1302 Composition II
  - b. MATH 1342 Introduction to Statistics
  - c. HIST 1301 U.S. History I
  - d. HIST 1302 U.S. History II
  - e. GOVT 2305 Federal Government
  - f. GOVT 2306 Texas Government
  - g. SPCH 1315 Public Speaking
  - h. COSC 1301 Introduction to Computing
  - i. Creative Arts (Performing/ (Per WCJC catalog)  
(Visual Arts)
  - j. BIOL 1322 Nutrition
  - k. CHEM 1405 Introductory Chemistry I or CHEM 1411 General Chemistry I

#### **CONDITIONAL ACCEPTANCE – Notification Letters**

Utilizing the point award ranking process, a ranked list is generated from the applications which met the above criteria. Conditional acceptance letters, alternate conditional acceptance letters, and non-acceptance letters are emailed. Students who receive conditional acceptance letters and/or alternate conditional acceptance letters must respond to the letter by the stated deadline. If a potential student declines, an alternate is placed into the opening. Students who accept alternate status are guaranteed admission to the next semester at the other campus. Because an alternate student may begin the semester they applied, they must meet all the criteria for full acceptance into the program.

#### **FULL ACCEPTANCE**

Full acceptance to the ADN program is contingent upon the student compiling with the following:

1. Must receive eligibility approval from Texas Board of Nursing (BON) to take the NCLEX-RN
  - a. Student will be required to have a FBI/DPS fingerprinting and criminal background check completed. Instructions for obtaining the fingerprinting and background check are provided after the student has responded to the conditional acceptance or alternate letter.
  - b. If there is something in the background check that cannot be resolved by the mandatory program orientation date, the student will not be able to begin the program. Once the issue is resolved and the student has received approval from the BON, student is eligible to reapply to the program.
  - c. Cost of the background check is at the student’s expense; cost is approximately \$55.00.
2. Must complete health data form which is provided to the student.
3. Must provide titers showing immunity for the following immunizations:
  - a. Hepatitis B
  - b. Varicella
  - c. MMR

4. Must provide documentation showing proof of required immunizations.
  - a. Diphtheria-tetanus & Pertussis (tDap) adult dose within the last ten years
  - b. Hepatitis B series
  - c. MMR (measles, mumps, rubella)
  - d. Varicella
  - e. Flu vaccine (current season)
5. Must provide documentation of annual TB skin test (positive results will require follow-up).
6. Must provide copy of current CPR certification by the American Heart Association in Basic Life Support for Healthcare Providers.

## DRUG SCREEN

Drug screens are scheduled at random intervals during the program. Drug screens must remain negative to continue in the program. Refusal to submit to a drug screen will result in dismissal from the program. Cost of the drug screen is at the student's expense; cost is approximately \$50.00 each screening.

## SEQUENTIAL CURRICULUM

The grading scale for the Associate Degree Program is as follows:

A = 90 - 100

B = 80 - 89

C = 75 - 79

D = 65 – 74

F = below 65

The curriculum of the Associate Degree Nursing Program is sequential; therefore a student must achieve a minimum grade of 75 in each nursing course to receive credit for the course and progress to the next sequence of courses.

## EXPENSES

Estimated costs of tuition, textbooks, fees, diagnostic tests, uniforms, insurance, supplies, (laboratory and simulation), equipment and graduation expenses are approximately \$9,500 for in-district students for the two-year period. Scholarships are available, and students may contact the Student Financial Aid Office for information.

<b>Associate Degree Nursing</b>		
Course	Course Title	Semester Hours
<b>Prerequisite Courses</b>		
BIOL 2401	Human Anatomy & Physiology I	4
BIOL 2402	Human Anatomy & Physiology II	4
PSYC 2301	Introduction to General Psychology	3
PSYC 2314	Life Span/Growth & Development	3
		14 semester hours
<b>Semester One</b>		
RNSG 1271	Professional Nursing Competencies	2
RNSG 1170	Introduction to Health Care Concepts	1
RNSG 1471	Health Care Concepts I	4
RNSG 1171	Professional Nursing Concepts I	1
RNSG 1161	Clinical I	1
ENGL 1301	Composition I	3
		12 semester hours

<b>Semester Two</b>		
RNSG 2572	Health Care Concepts II	5
RNSG 2172	Professional Nursing Concepts II	1
RNSG 2362	Clinical II	3
BIOL 2420	Microbiology	4
		13 semester hours
<b>Semester Three</b>		
RNSG 2573	Health Care Concepts III	5
RNSG 2173	Professional Nursing Concepts III	1
RNSG 2363	Clinical III	3
Language, Philosophy, & Culture (Humanities)*	*Elective from AAS General Education Course List	3
		12 semester hours
<b>Semester Four</b>		
RNSG 2574 (CC)	Health Care Concepts IV	5
RNSG 2174	Professional Nursing Concepts IV	1
RNSG 2360 (CC)	Clinical IV	3
		9 semester hours
CC-Capstone Course		

## **NURSING: Certified Nurse Aide Training Program**

## **\*\* Continuing Education \*\***

Total Contact Hours: 100

### **Continuing Education Department**

This course provides preparation for entry-level nursing assistants to achieve a level of knowledge, skill, and ability for providing care to residents of long term care facilities. Upon passing the state exam, students will enter the field as a Certified Nurse Aide.

### **REQUIREMENTS AND PROCEDURES**

Applicants must obtain a "Certified Nurse Aide Training Program Checklist and Application" packet from the Continuing Education Department or website. Consideration for acceptance into the Certified Nurse Aide Training Program is based upon submission of the following:

1. Completion of a Certified Nurse Aide Program Application.
2. Copy of high school transcript, college transcript or G.E.D.
3. Copy of driver's license or other form of government I.D.
4. Copy of Social Security card
5. Pre-TASP Reading Test with score of 14 or higher. (To schedule exam, please call a WCJC Testing Department at 979-532-6386). Test must have been taken within the past 3 years.
6. All students must pass a Criminal Background Check, as well as a CNA License Revocation Check, and CNA Employee Misconduct Database Check.

### **IMMUNIZATIONS REQUIREMENTS**

1. Immunization records or boosters for Measles, Mumps, and Rubella (MMR). Tetanus (Td) within the last ten years.
2. Varicella (chickenpox) or evidence of disease. A witness statement from an immediate family member or caregiver is sufficient if no other record is available.
3. Hepatitis B series started or completed by the first day of the class.
4. TB Skin Test with results within 60 days of course beginning.

### **CRIMINAL BACKGROUND CHECK**

Most clinical facilities require that criminal background checks are to be completed prior to allowing students to participate in clinical training at their facilities. Applicants conditionally accepted into the Certified Nurse

Aide Training Program will be required to complete a criminal background check. Final acceptance into the program is contingent upon a satisfactory background check, which will be completed by an approved agency.

<b>Certified Nurse Aide Training Program</b>		
Course	Course Title	Contact Hours
NURA 1001	Nurse Aide for Health Care	60
NURA 2005	Clinical – Nursing Assistant/Aide	40

#### **NURSING: LVN – ADN Transition Program**

AAS Degree: 60 semester credit hours, Preparation for RN  
Division of Allied Health

This twelve month program provides a transition track into the ADN program. It is designed specifically for students who are already licensed vocational nurses (LVN) who wish to make the transition to the ADN program. Graduates are prepared to be accountable, responsible, beginning practitioners of professional nursing who are able to utilize the nursing process in giving direct care to clients in structured health care settings. General education courses, as well as nursing courses, are included in the curriculum and are transferable to many four-year colleges that offer baccalaureate degrees in nursing.

Upon successful completion of the program, graduates are qualified to make application to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). The program is approved by the Texas Board of Nursing (BON).

The LVN-ADN transition program has a limited enrollment. Admission to the program is by a competitive ranking process.

Students are accepted for Wharton campus only to begin in May.

Application packet is published online in September.

- Application packet deadline is the **third Wednesday of January.**

#### **APPLICATION/ADMISSION REQUIREMENTS**

1. Application and current admission to Wharton County Junior College. Student must have evidence that they have met with a Wharton County Junior College counselor or advisor at any campus to discuss the degree plan for the associate degree program.
2. Must have all components of Texas Success Initiative (TSI) satisfied prior to application.
3. If student has attended any institution other than WCJC, must request transcript evaluation through the Office of Admissions and Registration at least one semester prior to application deadline. (Registrar must have official transcript from each college attended.)
4. Associate Degree Department must have a copy of transcript from each college including WCJC with application.
5. Admission Testing: Two options
  - a. TEAS V (Test of Essential Academic Skills)
    1. Must have minimum composite score of 73%.
    2. Exam results must be within two years OR
  - b. HESI A<sup>2</sup> (HESI Admission Assessment)
    1. Must take all 11 sections with a minimum composite of 84%.
    2. Exam results must be within two years.
6. Must have the following courses completed prior to application with a grade of “C” or higher and a GPA of 2.5 or higher.

- a. BIOL 2401                      Anatomy & Physiology I
- b. BIOL 2402                      Anatomy & Physiology II
- c. BIOL 2420                      Microbiology
- d. ENGL 1301                      Composition I
- e. PSYC 2301                      Introduction to General Psychology
- f. PSYC 2314                      Life Span Growth and Development
- g. Language, Philosophy,  
    & Culture (Humanities)                      (per WCJC catalog)
- 7. Hepatitis B vaccination series began by November 15<sup>th</sup>, if not done previously. Applicant must submit proof of completion of the series in the application packet.
- 8. Statement of Student Responsibility completed and signed.
- 9. Must have all components of application packet complete and turned in by deadline to be processed for admission.

### COMPETITIVE RANKING PROCESS

Acceptance to the LVN-ADN transition program is a competitive ranking process based on points awarded for designated criteria. Meeting all the criteria does not guarantee anyone admission to the program.

Criteria for points include, but not limited to

- 1. Proof of completion of prerequisite courses by the stated deadline. Grade must be a "C" or better and an overall GPA of 2.5 or higher.
- 2. TEAS V examination results (minimum composite score of 73% required) or HESI A<sup>2</sup> results (minimum composite score of 84% required).
- 3. Specific course work toward a RN-BSN transition program with minimum grade of "C".
  - a. ENGL 1302                      Composition II
  - b. MATH 1342                      Introduction to Statistics
  - c. HIST 1301                      U.S. History I
  - d. HIST 1302                      U.S. History II
  - e. GOVT 2305                      Federal Government
  - f. GOVT 2306                      Texas Government
  - g. SPCH 1315                      Public Speaking
  - h. COSC 1301                      Introduction of Computing
  - i. Creative Arts (Performing/  
    Visual Arts)                      (Per WCJC catalog)
  - j. BIOL 1322                      Nutrition
  - k. CHEM 1405                      Introductory Chemistry I or CHEM 1411 General Chemistry I

### CONDITIONAL ACCEPTANCE – Notification Letters

Utilizing the point award ranking process, a ranked list is generated from the applications which met the above criteria. Conditional acceptance, alternate, and non-acceptance letters are emailed. Students who receive conditional acceptance letters must respond to the letter by the stated deadline.

### FULL ACCEPTANCE

Full acceptance to the LVN-ADN transition program is contingent upon the student compiling with the following:

- 1. Must receive eligibility approval from Texas Board of Nursing (BON) to take the NCLEX-RN
  - a. Student will be required to have a FBI/DPS fingerprinting and criminal background check completed. Instructions for obtaining the fingerprinting and background check are provided after the student has responded to the conditional acceptance or alternate letter.
  - b. If there is something in the background check that cannot be resolved by the mandatory program orientation date, the student will not be able to begin the program. Once the issue is resolved and the student has received approval from the BON, student is eligible to reapply to the program.

- c. Cost of the background check is at the student's expense; cost is approximately \$55.00.
2. Must complete health data form which is provided to the student.
3. Must provide titers showing immunity for the following immunizations:
  - a. Hepatitis B
  - b. Varicella
  - c. MMR (measles, mumps, rubella)
4. Must provide documentation showing proof of required immunizations
  - a. Diphtheria-tetanus & Pertussis (tDap) adult dose within the last ten years
  - b. Hepatitis B series
  - c. MMR (measles, mumps, rubella)
  - d. Varicella
  - e. Flu vaccine (current season)
5. Must provide documentation of annual TB skin test (positive results will require follow-up)
6. Must provide copy of current CPR certification by the American Heart Association in Basic Life Support for Healthcare Providers.

## DRUG SCREEN

Drug screens are scheduled at random intervals during the program. Drug screens must remain negative to continue in the program. Refusal to submit to a drug screen will result in dismissal from the program. Cost of the drug screen is at the student's expense; cost is approximately \$50.00 each screening.

## SEQUENTIAL CURRICULUM

The grading scale for the Associate Degree Nursing program is as follows:

A = 90-100

B = 80-89

C = 75-79

D = 65-74

F = below 65

The curriculum of the LVN-ADN Transition Program is sequential; therefore a student must achieve a minimum grade of 75 in each nursing course to receive credit for the course and progress to the next sequence of courses.

## EXPENSES/FEES

Estimated costs of tuition, textbooks, fees, diagnostic tests, uniforms, insurance, supplies (laboratory and simulation), equipment, and graduation expenses are approximately \$6,700 for in-district students for the program. Scholarships are available, and students may contact the Student Financial Aid Office for information.

LVN-ADN Transition Program		
Course	Course Title	Semester Hours
<b>Prerequisite Courses</b>		
BIOL 2401	Human Anatomy & Physiology I	4
BIOL 2402	Human Anatomy & Physiology II	4
ENGL 1301	Composition I	3
PSYC 2301	Introduction to General Psychology	3
PSYC 2314	Life Span/Growth & Development	3
BIOL 2420	Microbiology	4
Language, Philosophy, & Culture (Humanities)*	*Elective from AAS General Education Course List	3
	Credit for LVN experience	12
		36 semester hours



<b>Summer Session</b>		
RNSG 1172	Professional Nursing Competencies	1
RNSG 1170	Introduction to Health Care Concepts	1
RNSG 2371	Concept-Based Transitions to Nursing Practice	3
RNSG 1162	Clinical Transition	1
		6 semester hours
<b>Fall Session</b>		
RNSG 2573	Health Care Concepts III	5
RNSG 2173	Professional Nursing Concepts III	1
RNSG 2363	Clinical III	3
		9 semester hours
<b>Spring Session</b>		
RNSG 2574 (CC)	Health Care Concepts IV	5
RNSG 2174	Professional Nursing Concepts IV	1
RNSG 2360 (CC)	Clinical IV	3
		9 semester hours
CC-Capstone Course		

#### **NURSING: VOCATIONAL NURSING CERTIFICATE (LVN PREP) (CIP 51.3901)**

CERTIFICATE: 51 semester credit hours

The program in Vocational Nursing includes theory and practical clinical experience designed to prepare the successful student to function as a member of the nursing team in providing nursing care for patients in structured health care settings. This program is fully approved by the Texas Board of Nursing (BON). Upon successful completion of the program, graduates are qualified to make application to take the National Council Licensure Examination for Practical Nurses (NCLEX-PN). Those passing this examination and the jurisprudence examination will qualify for licensure as a vocational nurse (LVN).

The aim of the program is to provide the type of educational background essential to preparing vocational nurses to assist in conserving life and promoting the physical, mental, emotional, and spiritual welfare of patients and their families.

Wharton County Junior College offers the program in Vocational Nursing at the Wharton Campus. The VN program also has limited enrollment.

#### **CRIMINAL BACKGROUND CHECKS AND ELIGIBILITY FOR LICENSURE**

Upon acceptance into the VN program students will be required to complete a criminal background check with fingerprints and drug screen through the college approved agency at the student's expense. A student with a positive criminal background screen is eligible to be considered for full acceptance and enrollment in the VN program if:

1. The student has previously submitted a Declaratory Order to the Texas Board of Nursing (BON)
2. Received BON verification of eligibility for future licensure as a Licensed Vocational Nurse

A person who has been convicted of, or received a deferred order with or without adjudication of guilt for a crime other than a minor traffic violation or minor in possession or treated for certain mental illnesses and/or chemical dependency within the last five years must contact the BON to determine eligibility to take the NCLEX-PN.

#### **ADMISSIONS REQUIREMENTS AND PROCEDURE**

Applicants must submit the following by the last Thursday of March:

1. Applicants must meet the admission requirements to Wharton County Junior College, be a high-school graduate or have satisfactory scores on the test of General Education Development (GED). Admission to WCJC is a separate process from admission to the nursing program. Applicants must be eligible to register for courses at WCJC in order to be considered for admission.

2. Entrance test scores: All students applying for the Vocational Nursing program are required to be TSI satisfied.
3. Completed application to the VN program.
4. Transcripts from all colleges attended, including WCJC.
5. Completed Questionnaire form.
6. Proof of completion of Hepatitis B vaccine series: The Texas Department of State Health Services (DSHS) requires all nursing students provide proof of completion of the Hepatitis B immunization series or provide proof of immunity before being allowed to administer patient care. Since students begin to administer patient care in November, all applicants are required to provide proof of completion of at least the first two shots with proof of the third shot by November 1. This proof must accompany the application. The series of three shots takes 6 months to complete.
7. Applicants will be exempted from VNSG 1505 if they have:
  - Taken BIOL 2401, 2402, and 1322 and passed with at least a “B” AND
  - Passed the VNSG 1505 Final Exam with a 75% or better
8. Applicants will be exempted from VNSG 1133 if they have:
  - Taken PSYC 2314 and passed with at least a “B” AND
  - Passed the VNSG 1133 Final Exam with a 75% or better
9. Conditions for full acceptance are contingent upon:
  - Completion of a satisfactory criminal background check and negative drug screen; both at the student’s expense through a college approved agency. Estimated cost of the criminal background check is \$54.00 and the drug screen is \$44.00.
  - Completion of the VN Program Health Data form.
  - Documentation of required immunizations – diphtheria-tetanus, Hepatitis B, measles, mumps, rubella, varicella, and meningitis, and documentation of immunity or exemption.
  - Documentation of a TB skin test – positive results will require follow-up.
  - Documentation of current certification in American Heart Association Healthcare Provider CPR.

Cost of the VN program is approximately \$3700, excluding tuition and fees. This includes the TSI test fee, liability insurance, books, miscellaneous supplies, uniforms, and costs related to graduation and licensure. The cost of tuition and fees is dependent on residence status. Program costs and tuition and fees are subject to change without notice.

<b>LVN Certificate</b>		
Course	Course Title	Semester Hours
<b>Semester I</b>		
VNSG 1423	Basic Nursing Skills	4
VNSG 1429	Medical-Surgical Nursing I	4
VNSG 1304	Foundations of Nursing	3
VNSG 1327	Essentials of Medication Administration	3
VNSG 1126	Gerontology	1
VNSG 1133	Growth and Development	1
VNSG 1505	Health Science	5
VNSG 1160	Clinical I – Practical Nurse (LVN)	1
		22 semester hours
<b>Semester II</b>		
VNSG 2331	Advanced Nursing Skills	3
VNSG 1231	Pharmacology	2
VNSG 1330	Maternal-Neonatal Nursing	3
VNSG 1234	Pediatrics	2
VNSG 1432	Medical-Surgical Nursing II	4
VNSG 1661	Clinical II - Practical Nurse (LVN)	6
		20 semester hours

<b>Semester III-Summer (12 wks)</b>			
VNSG 1238	Mental Illness		2
VNSG 1119	Leadership and Professional Development		
VNSG 2661	Clinical III – Practical Nurse (LVN)	Capstone Course	6
			9 semester hours

#### **OFFICE ADMINISTRATION: MARKETABLE SKILLS AWARD, CERTIFICATE AND AAS DEGREE (CIP 52.0401)**

CERTIFICATE: 32 semester credit hours

AAS: 62-63 semester credit hours

#### **MARKETABLE SKILLS AWARD**

The Business and Office Administration Department offers a Marketable Skills Achievement Award of 9 semester credit hours in Software Applications. In addition, a Marketable Skills Achievement Award of 9 semester credit hours in Entry-Level Accounting is offered.

<b>Office Administration: Marketable Skills Award in Software Applications</b>		
Course	Course Title	Semester Hours
<b>Semester 1</b>		
POFI 2301	Word Processing	3
<b>Semester 2</b>		
POFI 2331	Desktop Publishing	3
POFI 1349	Spreadsheets: Microsoft Excel	3
		9 semester hours

<b>Office Administration: Marketable Skills Award in Entry-Level Accounting</b>		
Course	Course Title	Semester Hours
<b>Semester 1</b>		
ACNT 1303	Introduction to Accounting I	3
<b>Semester 2</b>		
ACNT 1311	Introduction to Computerized Accounting	3
POFI 1349	Spreadsheets: Microsoft Excel	3
		9 semester hours

<b>Administrative Assistant Certificate</b>		
Course	Course Title	Semester Hours
<b>Semester I</b>		
ACNT 1303*	Introduction to Accounting I	3
POFI 2301	Word Processing	3
POFT 1227	Introduction to Keyboarding	2
POFT 1301	Business English	3
POFT 1309	Administrative Office Procedures I	3
MRKG 1301	Customer Relationship Management	3
		17 semester hours
<b>Semester II</b>		
ACNT 1311	Introduction to Computerized Accounting	3
POFT 1321	Business Math	3
POFI 2331	Desktop Publishing	3
POFI 1349	Spreadsheets: Microsoft Excel	3
POFT 1313	Professional Workforce	3
		Capstone Course
* Tech Prep Course		15 semester hours

## OFFICE ADMINISTRATION AAS DEGREE

This flexible program is designed so that students complete a foundation program and then choose their office specialization from accounting, legal, or computer courses. The AAS degree in Office Administration includes a combination of courses and practical experiences including in depth knowledge of software used in modern offices, communication skills, systematizing information about transactions and activities into accounts and quantitative records, paying and receiving money, and generally accepted office procedures.

A graduate of this program is prepared to work as an office assistant, legal secretary, bookkeeper, cashier, teller, and in other related occupations depending on the area of specialization.

Students must earn a grade of "C" or higher in the program capstone course (BUSI 2304) in order to graduate.

ACNT 1303 may be articulated through local and/or Tech-Prep agreements with area school districts. Students can earn college credit toward this program while still in high school. For more information, contact our high school Tech-Prep coordinator or the program director.

Some upper level universities will allow you to transfer anywhere from 24-44 hours of your technical credit toward a Bachelor of Applied Arts or Science degree. Contact your transfer university for information.

Office Administration AAS Degree			
Course	Course Title	Core Component	Semester Hours
<b>Freshman/Semester I</b>			
ACNT 1303	Introduction to Accounting I		3
POFI 2301	Word Processing		3
POFT 1227	Introduction to Keyboarding		2
POFT 1301	Business English		3
POFT 1309	Administrative Office Procedures I		3
MRKG 1301	Customer Relationship Management		3
			17 semester hours
<b>Freshman/Semester II</b>			
ACNT 1311	Introduction to Computerized Accounting		3
POFT 1321	Business Math		3
POFI 2331	Desktop Publishing		3
POFI 1349	Spreadsheets: Microsoft Excel		3
POFT 1313	Professional Workforce		3
			15 semester hours
<b>Sophomore/Semester I</b>			
BUSI 1301	Business Principles		3
Social and Behavioral Science elective*	*Elective from AAS General Education Course List		3
ENGL 1301 or SPCH 1315	Composition I or Public Speaking		3
BUSI 2301	Business Law		3
Math or Life & Physical Science w/Lab elective*	*Elective from AAS General Education Course List		3-4
			15-16 semester hours

<b>Sophomore/Semester II</b>		
PBAD 2339	Human Resource Management	3
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List	3
BUSI 2304	Business Report Writing & Correspondence (Capstone Course)	3
Social and Behavioral Science elective*	*Elective from AAS General Education Course List	3
Elective	Accounting, Paralegal or Computer Science elective	3
¥Tech Prep Course		15 semester hours

### **PARALEGAL STUDIES AAS DEGREE (CIP 22.0302)**

AAS: 68 semester credit hours

The AAS in Paralegal Studies prepares students for careers as paralegals, assisting lawyers in law offices, corporate or government legal departments, non-profits and legal clinics. It can also serve as the first two years of study toward a Bachelor of Applied Science degree at many colleges and universities. Contact your transfer university for information. This program is excellent preparation for students who plan to attend law school.

Students must earn a grade of “C” or higher in the program capstone course (LGLA 2388) in order to graduate.

Several courses in the program may be articulated through local and/or Tech-Prep agreements with area school districts. Students can earn college credit toward this program while still in high school. For more information, contact our high school Tech-Prep coordinator or the program director.

**“Paralegals may not provide legal services directly to the public, except as permitted by law.”**

<b>Paralegal Studies AAS Degree</b>		
Course	Course Title	Semester Hours
<b>Freshman/Semester I</b>		
ENGL 1301	Composition I	3
HIST 1301	U.S. History I	3
MATH 1314	College Algebra	3
LGLA 1313	Introduction to Paralegal Studies	3
LGLA 1303	Legal Research	3
		15 semester hours
<b>Freshman/Semester II</b>		
ENGL 1302	Composition II	3
HIST 1302	U.S. History II	3
LGLA 1305	Legal Writing	3
LGLA 1345	Civil Litigation	3
Life & Physical Science elective*	*Elective from AAS General Education Course List	4
Social and Behavioral Science elective*	*Elective from AAS General Education Course List	3
		19 semester hours

<b>Sophomore/Semester I</b>		
GOVT 2305	Federal Government (Federal Constitution and Topics)	3
LGLA 1353	Wills, Trusts, and Probate Administration	3
LGLA 1355	Family Law	3
LGLA 2307	Law Office Management	3
Life & Physical Science elective*	*Elective from AAS General Education Course List	4
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List	3
		19 semester hours
<b>Sophomore/Semester II</b>		
GOVT 2306	Texas Government (Texas Constitution and Topics)	3
LGLA 2309	Real Property	3
LGLA 2313	Criminal Law and Procedure	3
LGLA 1351	Contracts	3
LGLA 2388	Internship-Paralegal/Legal Assistant	3
		15 semester hours

#### **PHLEBOTOMY TECHNICIAN TRAINING PROGRAM**

**\*\* Continuing Education \*\***

Total Contact Hours: 174

#### **Continuing Education Department**

This course provides skill development in the performance of a variety of blood collection methods using proper techniques and standard precautions. Emphasis placed on infection prevention, proper patient identification, labeling of specimens, quality assurance, specimen handling, processing and accessioning. Additional topics include professionalism, ethics and some medical terminology. Class meets for 8 9 weeks prior to clinical rotations. This course includes 120-hours of work based instruction through clinical rotations.

#### **REQUIREMENTS AND PROCEDURES**

Applicants must obtain a "Phlebotomy Technician Training Program Checklist and Application" packet from the Continuing Education Department or website. Consideration for acceptance into the Phlebotomy Technician Program is based upon submission of the following:

1. Completion of a Phlebotomy Technician Training Program Application.
2. Copy of high school transcript, college transcript or G.E.D.
3. Copy of driver's license or other form of government I.D.
4. Copy of Social Security Card.
5. Pre-TASP Reading Test with score of 14 or higher. (To schedule exam, please call the WCJC Testing Department at 979-532-6386). Test must have been taken within the past 3 years.
6. All students must pass a Criminal Background Check.

#### **IMMUNIZATIONS REQUIREMENTS**

1. Immunization records or boosters for Measles, Mumps, and Rubella (MMR). Tetanus (Td) within the last ten years.
2. Varicella (chickenpox) or evidence of disease. A witness statement from an immediate family member or caregiver is sufficient if no other record is available.
3. Hepatitis B series started or completed by the first day of the class.
4. TB Skin Test with results within 60 days of course beginning.

## CRIMINAL BACKGROUND CHECK

Most clinical facilities require that criminal background checks to be completed prior to allowing students to participating in clinical training at their facilities. Applicants conditionally accepted into the Phlebotomy Technician Training Program will be required to complete a criminal background check. Final acceptance into the program is contingent upon a satisfactory background check, which will be completed by an approved agency.

Phlebotomy Technician Training Program		
Course	Course Title	Contact Hours
PLAB 1023	Phlebotomy	54
PLAB 1060	Clinical - Phlebotomy	120

## PHYSICAL THERAPIST ASSISTANT AAS DEGREE (CIP 51.0806)

AAS: 71 semester credit hours

This is a 21 month course of study accredited by the Commission on Accreditation in Physical Therapy Education of the American Physical Therapy Association. The program includes supervised classroom and clinical experiences designed to prepare the graduate for eligibility to take the examination to become a Licensed Physical Therapist Assistant. Upon successful completion of the program, the student is awarded an Associate of Applied Science degree and is eligible to sit for the licensing exam given by the Texas State Board of Physical Therapy Examiners.

## REQUIREMENTS AND PROCEDURES

Consideration for acceptance into the PTA program is based upon the submission of the following information to the Physical Therapist Assistant Department prior to the application deadline which is the **LAST THURSDAY IN MAY**:

1. Completed PTA Program application and completed application for Admission to WCJC.
2. Completion of 40 hours of clinical observation in at least two (2) different clinical settings observing a licensed physical therapist or physical therapist assistant. In addition, prepare a one-page typed summary of what you learned during your 40 hours of observation and attach to the observation form. Prospective students are expected to adhere to the facilities rules and ethical conduct codes. Please wear appropriate attire such as nice slacks and an appropriate blouse or shirt. Jeans, T-shirts and open-toes shoes are not acceptable. Be advised that some facilities may require applicants who are observing to have documentation of a current TB test.
3. A transcript from each college you have attended.
4. Minimum of 2.5 GPA in co-requisites courses.
5. **"Transcript Evaluation Form"** if you have attended other institutions other than WCJC. The transcript(s) should be evaluated by the transcript analyst in the Office of Admissions and Registration and a copy of the evaluation turned into the PTA program along with your completed application. **(Note: PTA Department will not be responsible for securing transcripts from the WCJC Office of Admissions and Registration)**
6. Completion of both semesters of Human Anatomy & Physiology (BIOL 2401 & 2402) prior to admission is *highly recommended*. Preference will be given to those applicants meeting this recommendation. Completion of BIOL 2401 & 2402 must be current within 10 years.
7. Copy of ACT scores with a *Composite* score of at least 19 (Enhanced) and a minimum score of 19 on the *Science Reasoning* and *Reading Comprehension* sections. ACT scores must be current within the last five (5) years. (If scores are too low, it will be up to the applicant to re-take the test. You may contact our Testing Dept. at 979-532-6386 for testing dates.) **ACT SCORES ARE REQUIRED REGARDLESS OF LEVEL OF EDUCATION.**
8. Brief summary of work experience. Admissions points are given to those who have at least 6 months of medical experience including volunteering.

9. Attendance at one information session prior to the application deadline is highly recommended. These sessions will be held on the last Tuesday of January, February, March and April from 3-4 pm. Please call the program secretary at 979-532-6491 for an appointment.
- The above items should be mailed to Wharton County Junior College, ATTN: Physical Therapist Assistant Program, 911 Boling Highway, Wharton, TX 77488.

### CRIMINAL BACKGROUND CHECK

Most clinical facilities require that criminal background checks be completed prior to allowing students to participate in clinical training at their facilities. Applicants conditionally accepted into the WCJC Physical Therapist Assistant program will be required to complete a criminal background check. Final acceptance into the program is contingent upon a satisfactory background check, which will be completed by an approved agency. An applicant with an unsatisfactory criminal background check will only be eligible to receive full acceptance and enroll in the PTA program if:

- The applicant has their background check information reviewed by the chief investigator of the Texas Board of Physical Therapy Examiners
- The applicant provides a letter from the Texas Board of Physical Therapy Examiners stating that the applicant would be currently eligible for state licensure

The cost of the criminal background check will be at the applicant's expense. The anticipated cost is approximately \$55.00.

### DRUG TESTING

**Applicants accepted into the WCJC PTA program will also be required to complete a negative drug screen. Only drug screens conducted through the College-approved agency will be accepted. The estimated cost of the drug screen is \$40.00. For more information regarding drug testing contact the PTA program director.**

**Deadline for application is the last Thursday in May.**

The PTA program has a limited enrollment and admission to the program is on a selective basis. Preference during the selection process is given to those applicants who have college credit with a grade of "C" or higher in the non-PTA courses listed below. Admission to the college (WCJC) does not guarantee admission to the PTA program. Admission is determined by the PTA selection committee. Applicants are notified by letter of the committee's decision in early June.

Physical Therapist Assistant – Non-PTA Courses		
Course	Course Title	Semester Hours
BIOL 2401	Human Anatomy & Physiology I	4
BIOL 2402	Human Anatomy & Physiology II	4
ENGL 1301	Composition I	3
ENGL 1302 or ENGL 2311	Composition II or Technical & Business Writing	3
PSYC 2314	Life Span Growth & Development	3
MATH 1314	College Algebra	3
COSC 1301	Introduction to Computing	3
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List	3
		26 semester hours

Students must receive a grade of "C" or higher in the non-PTA courses listed above in order to satisfy graduation requirements of the PTA program.



## ESTIMATED EXPENSES

Tuition and Fees	Consult WCJC catalog
Books and Supplies	\$800
Proof of Immunizations (Hepatitis B required)	Varies
CPR certification	Varies
Uniform and name tag	\$100-\$150 approximately
Parking (required at some clinics)	Varies
Travel – students may be required to leave the Wharton area to complete their full-time clinical affiliations, resulting in additional travel and housing costs	Varies
Graduation Cap and Gown	\$35 approximately
Criminal Background Check	\$55 approximately
Drug Screen	\$40 approximately
Student Liability Insurance fee*	\$14.50
Student Accident Medical Insurance fee**	\$11.55
*Fee added to PTHA 1413 and PTHA 2435 courses      **Fee added to the PTHA 1360 course	

Transportation costs to clinical sites vary with location of clinics. Proof of immunizations is required prior to admission to the program. Due to Senate Bill 1177 effective September 1, 2012, the college must verify immunity by way of a titer for all healthcare students for the following: Varicella, Rubella, Rubeola, Mumps, and Hepatitis B. The student must also present documentation of an ADULT dose of tDap within the last ten years and a Tuberculin Test which is required annually.

CPR certificate is a prerequisite to clinical rotations.

All inquiries, applications, and transcripts must be mailed directly to the Director of the Physical Therapist Assistant program.

Physical Therapist Assistant (PTA) AAS Degree		
Course	Course Title	Semester Hours
<b>Freshman/Semester I</b>		
BIOL 2401	Human Anatomy & Physiology I	4
ENGL 1301	Composition I	3
COSC 1301	Introduction to Computing	3
PTHA 1409	Introduction to Physical Therapy	4
PTHA 1413	Functional Anatomy	4
		18 semester hours
<b>Freshman/Semester II</b>		
BIOL 2402	Human Anatomy & Physiology II	4
ENGL 1302 or 2311	Composition II or Technical & Business Writing	3
PTHA 2201	Essentials of Data Collection	2
PTHA 1531	Physical Agents	5
PTHA 2409	Therapeutic Exercise	4
		18 semester hours
<b>Summer Mini</b>		
PTHA 2205	Neurology	2
		2 semester hours
<b>Summer I</b>		
PSYC 2314	Life Span Growth & Development	3
PTHA 1360	Clinical-Physical Therapist Assistant I	3
		6 semester hours

<b>Summer II</b>			
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List		3
			3 semester hours
<b>Sophomore/Semester I</b>			
MATH 1314	College Algebra		3
PTHA 1321	Pathophysiology		3
PTHA 2431	Management of Neurological Disorders		4
PTHA 2435	Rehabilitation Techniques		4
			14 semester hours
<b>Sophomore/Semester II</b>			
PTHA 2360	Clinical – Physical Therapist Assistant II		3
PTHA 2460	Clinical – Physical Therapist Assistant III	Capstone Course	4
PTHA 2339	Professional Issues	Capstone Course	3
			10 semester hours

The curriculum of the PTA program is sequential; therefore a student must achieve a grade of “C” in each PTA course in order to progress to the next semester of coursework. Students who do not maintain a “C” average in all PTA courses will be dropped from the program. Readmission the following year is conditional and contingent upon compliance with the “Readmission Policy” outlined in the PTA Student Handbook.

#### **POLICE ACADEMY CERTIFICATE (CIP 43.0107)**

BASIC PEACE OFFICER TRAINING CERTIFICATE: 20 semester credit hours

WCJC operates a licensed police academy certified by the Texas Commission on Law Enforcement. Participants must apply directly to the program and be accepted. Students who successfully complete this training are eligible to take the state licensing examination to become a licensed peace officer in the State of Texas. The Police Academy also offers in-service training for area law enforcement agencies and officers.

The police academy offers both day and evening classes. The day classes are held at the Wharton campus and the evening classes are held at the Richmond campus. Students must take all courses as a block. A class average of 80% and a minimum grade of 80 on the final exam are required to successfully complete the Basic Peace Officer Certificate Course.

The following qualifications **must** be met prior to enrolling in the WCJC Police Academy:

- Be at least 21 years of age within 60 days of graduation from the police academy or:
  - Have received a minimum of 60 semester credit hours from an accredited college or university, or
  - Have received an associate degree from an accredited college, or
  - Have received an Honorable Discharge from the Armed Forces of the United States after a minimum two years active duty, **AND**
- Have **never** been convicted of a felony offense;
- Have **never** been, nor currently on, court-ordered community supervision or probation for a Class B Misdemeanor criminal offense within the last 10 years;
- Have **never** been convicted for any Class B Misdemeanor criminal offense or above within the last 10 years;
- Have **never** been convicted at any time of a Family Violence offense;
- Are **not** prohibited by state or federal law from possessing firearms or ammunition.
- Be a high school graduate or received a high school equivalency certificate
- Be examined by the Academy’s designated licensed physician and be declared, in writing, within the past 90 days:

- To be physically sound and free from any defects which may adversely affect the performance of duty as a peace officer, reserve peace officer, or jailer, and
- To show no trace of drug dependency or illegal drug use after a physical examination, blood test, or other medical test;
- Be examined by the Academy's licensed psychologist or psychiatrist and declared, in writing, to be in satisfactory psychological and emotional health;
- Be of good moral character;
- Must meet all admission requirements to Wharton County Junior College.
- Successfully complete all forms required by the WCJC Police Academy;
- Successfully complete a timed physical agility exam;
- Must possess a valid Texas driver's license;
- Must be a U.S. citizen.

Applicants that are currently employed by a law enforcement agency and have completed requirements as part of their employment, need not be re-examined, but **must** submit documentation for verification. This **does not** include the academy's entrance exam or the physical agility exam. Applicants must be met in Reading: TSI, Pre TASP or equivalent.

<b>Police Academy – Basic Peace Officer Training Certificate *Day Class/Wharton Campus</b>		
Course	Course Title	Semester Hours
<b>Semester I</b>		
CJLE 1506	Basic Peace Officer I	5
CJLE 1512	Basic Peace Officer II	5
CJLE 1518	Basic Peace Officer III	5
CJLE 1524	Basic Peace Officer IV	5
		20 semester hours

<b>Police Academy – Basic Peace Officer Training Certificate *Night Class/Richmond Campus</b>		
Course	Course Title	Semester Hours
<b>Semester I</b>		
CJLE 1506	Basic Peace Officer I	5
CJLE 1512	Basic Peace Officer II	5
		10 semester hours
<b>Semester II</b>		
CJLE 1518	Basic Peace Officer III	5
CJLE 1524	Basic Peace Officer IV	5
		10 semester hours

#### **PROCESS TECHNOLOGY AAS DEGREE (CIP 41.0301)**

AAS: 65-66 semester credit hours

Enhanced Skills Certificate: 14 semester credit hours

The program in Process Technology is designed to prepare students for advanced technology in the area of process operations at petrochemical, refining companies and other industries. Students will be provided with both the academic and technical competencies required by the rapidly changing technology demands of the industry. Student in the program learn theory as well as have hands-on experience.

<b>Process Technology AAS Degree</b>		
Course	Course Title	Semester Hours
<b>Freshman/Semester I</b>		
PTAC 1302	Introduction to Process Technology	3
PTAC 1308	Safety, Health & Environment	3
ENGL 1301	Composition I	3
CTEC 1401	Applied Chemical Technology	4
COSC 1301	Introduction to Computing	3
		16 semester hours
<b>Freshman/Semester II</b>		
CHEM 1405	Intro Chemistry I	4
PTAC 1410	Process Technology I – Equipment	4
SPCH 1315 or SPCH 1318	Public Speaking or Interpersonal Communication	3
PTAC 1432	Instrumentation I	4
Social and Behavioral Science elective*	*Elective from AAS General Education Course List	3
		18 semester hours
<b>Sophomore/Semester I</b>		
INMT 2345	Industrial Troubleshooting	3
PTAC 2314	Quality	3
PTAC 2436	Instrumentation II	4
PTAC 2420	Process Technology II – Systems	4
MATH 1314	College Algebra	3
		17 semester hours
<b>Sophomore/Semester II</b>		
PTAC 1454	Industrial Processes	4
PTAC 2446	Process Troubleshooting	Capstone Course 4
PTAC 2438 **	Process Technology III – Operations	Capstone Course 4
CTEC 1380	Cooperative Education I-Chemical Technician	3
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List	3
		14-15 semester hours
*Elective from AAS General Education Course List **PTAC 1454 must be taken if not selected or CTEC 1380 to satisfy degree requirements		

<b>Enhanced Skills Certificate- Nuclear Power Technology</b>		<b>AAS Process Technology Required</b>
Course	Course Title	Semester Hours
<b>Freshman/Semester I</b>		
NUCP 1370	Nuclear Fundamentals I	3
NUCP 1471	Nuclear Fundamentals II	4
NUCP1472	Nuclear Power Plant Organization & Processes	4
NUCP 1371	Math & Chemistry Fundamentals for Nuclear Power	3
		14 semester hours

#### **RADIOLOGIC TECHNOLOGY AAS DEGREE (CIP 51.0911)**

AAS: 72 semester credit hours

Consistent with the mission of Wharton County Junior College, the Radiologic Technology program will graduate students with an Associate of Applied Science. The program will afford the opportunity for individual growth, application of knowledge, and articulation to a baccalaureate degree program in the pursuit of continuous knowledge. Upon graduation from the program, the student will have the clinical, problem-solving, and communication skills equal to that of an entry-level radiologic technologist, able to meet the needs of our community.

WCJC offers a cooperative program with local hospitals designed to provide understanding, proficiency, and skill in radiologic technology.

The program is accredited by:

- The Joint Review Committee on Education in Radiologic Technologists (JRCERT) – 20 N. Wacker Drive, Suite 2850, Chicago, IL 60606-2901. Telephone: 312-704-5300

Graduates are eligible to sit for the certification exam administered by:

- The American Registry of Radiologic Technologists (ARRT) – 1255 Northland Drive, St. Paul, MN 55120. Telephone: 651-687-0048.

Graduates are eligible to apply for state licensure through the Texas Department of Health.

The RT curriculum is a balance of general educational and technical courses, as well as supervised clinical work at local hospitals. These courses provide the student with an opportunity for educational development, as well as occupational competence during the 24 month program.

The Radiologic Technology program has limited enrollment. Applicants, or those seeking further information than what is provided here, should contact the director of the Radiologic Technology program.

### **ADMISSION REQUIREMENTS AND PROCEDURE**

Consideration for acceptance into the Radiologic Technology Program is based upon the submission of the following items directly to the Radiologic Technology Program:

1. Meet WCJC requirements for admission. Applicants should be college ready. Please visit Registrar's "Admission Procedures" website for information regarding steps on how to apply to the college. Turn in proof of acceptance (letter of acceptance, etc.).
2. Complete Radiologic Technology Program application.
3. A transcript from each college you have attended sent to  
-Office of Admissions and Registration (official copies)  
-Radiologic Technology Program (Unofficial Copy)
4. Transcript Evaluation Form if you have attended institutions other than WCJC. The transcript(s) should be evaluated by the transcript analyst in the Office of Admissions and Registration and a copy of the evaluation turned into the radiology program with your completed application. See 'Registrar's Information' page within the application.
5. Copy of ACT scores with a composite of at least 18 Enhanced taken within the last 5 years. Preference is given to those who score 20 or higher.
6. Brief summary of work experience. Admissions points are given to those who have at least 6 months of medical experience including volunteering.
7. Must be 18 years old.
8. Completion of 16 hours of observation in a radiology department of a hospital or clinic, observing a licensed radiographer. The prospective student must complete 8 of the 16 hours starting at 8:00 a.m. Monday through Friday. Prospective students are expected to adhere to the hospital or clinic's rules and ethical conduct codes. An appointment must be made with the contact person listed on the observation form found in the application. Please wear slacks and a nice shirt or blouse. Jeans, T-shirts, and open-toed shoes are not acceptable. If you are not dressed appropriately the clinic personnel will send you home.
9. Observation Evaluation form verifying observation hours (form included in application packet). This evaluation form will be completed by the technologist. The evaluation will be based on the prospective student's interest and involvement in the department.
10. Prepare a one-page typed summary of what you learned during your observation at the hospital during the 16 hour observation period.
11. Technical Standards form signed.
12. Confidentiality form signed.
13. Signed ARRT Eligibility Notification form.

14. Applicants must show proof of completion of the Hepatitis B vaccine series or serologic confirmation of immunity to Hepatitis B virus as a condition of full acceptance to the program. Applicants must have begun the vaccine series by **February 1<sup>st</sup>** in order to meet this requirement. The entire series must be complete by the first day of class.
15. Attend one information session prior to the May deadline. These sessions will be by appointment only. Please call 979-532-6491 and speak to the program secretary for details.

Due to the number of applicants and a limited number of spaces available, admission to the program is very competitive and meeting all of the criteria does not guarantee admission to the program. Applicants should submit all necessary information on or before **the last Thursday in May**. Applications will be reviewed by the Admissions Committee.

Prior to the stated application deadline, applicants are encouraged to follow-up with the Radiology program's secretary to determine if their application is complete.

Preference is given to applicants who have college credit in the following courses. Students must receive a grade of "C" or higher in the courses listed to satisfy graduation requirements for the Radiology program.

Course	Course Title	Semester Hours
BIOL 2401**	Human Anatomy & Physiology I	4
BIOL 2402**	Human Anatomy & Physiology II	4
ENGL 1301	Composition I	3
PSYC 2301	General Psychology	3
MATH 1314	College Algebra	3
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List	3
**Taken within 5 years of admission to RT program		20 semester hours

Students who do not maintain a grade of "C" or higher in each Radiology course will be dropped from the program.

### CRIMINAL BACKGROUND CHECKS

Most clinical facilities require that criminal background checks be completed prior to allowing students to participate in clinical training at their facilities. Applicants conditionally accepted into the RT program will be required to complete a criminal background check. Final acceptance into the program is contingent upon a satisfactory background check which will be completed by an approved agency. An applicant with an unsatisfactory criminal background check will not be accepted into the program in the year for which they have applied, but will have the option of completing the following steps and re-applying for the following year:

1. Submit a "Pre-Application Review" with the American Registry of Radiologic Technologists (ARRT), and
2. Receive ARRT verification of eligibility for possible future ARRT certification.

Upon completion of the above steps the applicant may make an appointment with the program director to discuss clinical options. The clinical site must be willing to accept the applicant for clinical rotations.

The cost of the criminal background check will be at the applicant's expense; anticipated cost is estimated to be \$52.00.

### DRUG SCREENING

Applicants conditionally accepted into WCJC Radiologic Technology Program will also be required to complete a drug screen with negative results. Only drug screens conducted through a college approved agency will be

accepted. The estimated cost of the drug screen is \$40.00. For more information regarding the drug screening contact the program director of the RT program.

## EXPENSES

Tuition and Fees.....	See Financial Information Section
Books.....	\$2,000 approximately
Uniform.....	Varies
CPR course.....	Varies
Liability Insurance.....	\$20 per year approximately
Physical Examination.....	Varies according to individual physician's fees
Transportation Cost.....	Vary according to clinical site
Criminal Background Check.....	\$52
Drug Screen.....	\$40
TDH License.....	\$32
ARRT Exam.....	\$250
RAD Tutor	\$100

**Capstone Experience:** During the last semester of the program, the capstone experience consists of a total body competency exam that tests the student's psychomotor skills and a mock registry exam that measures cognitive skills. The students are then allowed to sit for the American Registry of Radiologic Technologists examination.

**Degree plan below is a sample schedule assuming no previously completed course work.**

Radiologic Technology AAS Degree		
Title		
Course	Course Title	Semester Hours
<b>Freshman/Semester I</b>		
RADR 1201	Introduction to Radiography	2
RADR 1303	Patient Care	3
RADR1411	Basic Radiographic Procedures	4
BIOL 2401	Human Anatomy & Physiology I	4
		13 semester hours
<b>Freshman/Semester II</b>		
RADR 2401	Intermediate Radiographic Procedures	4
RADR 1313	Principles of Radiographic Imaging I	3
RADR 1266	Practicum I-Radiologic Technology/Science	2
BIOL 2402	Human Anatomy & Physiology II	4
MATH 1314	College Algebra	3
		16 semester hours
<b>Summer I – 10 weeks</b>		
RADR 2305	Principles of Radiographic Imaging II	3
RADR 1367	Practicum II- Radiologic Technology/Science	3
		6 semester hours
<b>Sophomore/Semester I</b>		
RADR 2309	Radiographic Imaging Equipment	3
RADR 2217	Radiographic Pathology	2
RADR 2431	Advanced Radiographic Procedures	4
RADR 2266	Practicum III- Radiologic Technology/Science	2
ENGL 1301	Composition I	3
PSYC 2301	General Psychology	3
		17 semester hours

<b>Sophomore/Semester II</b>		
RADR 2333	Advanced Medical Imaging	3
RADR 2313	Radiation Biology and Protection	3
RADR 1371	Enhanced Skills	3
RADR 2267	Practicum IV- Radiologic Technology/Science	2
Language, Philosophy, & Culture (Humanities) or Creative Arts (Performing/Visual Arts) elective*	*Elective from AAS General Education Course List	3
		14 semester hours
<b>Summer I – 10 weeks</b>		
RADR 2335	Radiologic Technology Seminar	3
RADR 2366	Practicum V- Radiologic Technology/Science	3
		6 semester hours

### **SURGICAL TECHNOLOGY CERTIFICATE (CIP 51.0909)**

CERTIFICATE: 41 semester credit hours

The program in Surgical Technology includes theory and practical clinical experience designed to prepare the successful completer to function as an integral member of the surgical team. Emphasis is placed on the proper application of sterile technique and modern technology to patient care in the operating room. Upon completion of the program the student is qualified to take the national certification examination for surgical technologists. The program is accredited by the Accreditation Review Committee-Surgical Technology and Surgical Assisting (ARCSTSA) in collaboration with the Commission on Accreditation of the Allied Health Education Programs (CAAHEP).

Students must maintain a minimum GPA of 75 “C” in each subject to remain in the program.

- Grading system: 90-100 = “A”, 80-89 = “B”, 75-79 = “C”, 0-74 = “F”

The Surgical Technology program is offered at the Wharton Campus only.

### **ADMISSION REQUIREMENTS AND PROCEDURE**

Applicants must:

1. Be high school graduates or have satisfactory scores on the test of General Education Development (GED) and be 18 years of age.
2. Have satisfactory scores on required pre-entrance exams:
  - ACT scores preferred and can be no older than 5 years
  - Enhanced ACT composite score of at least 17
  - ACT Reading score of at least 18
  - Compass scores can be no older than 5 years
  - Compass reading 81+
  - Compass math 39+
  - Compass writing essay score 6+ with 58
  - Compass writing essay 5+ with 59+
  - THEA scores can be no older than 5 years
  - ASSET test, taken at WCJC only, scores can be no older than 5 years
3. Have pre-entrance physical exam by a physician; must be turned in to director before the first day.
4. Provide evidence of current certification for American Heart Association for Healthcare Providers (CPR). This certification must be maintained while enrolled in the program.
5. Submit documentation of TB skin test. Positive results of the TB skin test must be followed up by a chest x-ray or accompanied by a statement from a physician identifying the reason for a positive test and any needed treatment/follow-up.
6. Students must have the influenza vaccine prior to the first week in October.



7. Provide evidence of required immunizations or immunity to: Diphtheria-tetanus, measles, mumps, rubella, and Hepatitis B. The Hepatitis B vaccine series takes six months to complete. And the first Hepatitis B vaccine must be given no later than May 15 prior to entering the program. Evidence of flu vaccines is required by clinical sites.
8. For consideration of readmission, an applicant must take the final examinations in the courses that he/she has completed satisfactorily, and score a 75% or higher. The selection committee will review the results on an individual basis and determine admission status.
9. Applicants will be exempt from VNSG 1420 if they have taken BIOL 2401 and BIOL 2402 within the past 5 years and passed with a grade of "C" or higher. Applicants will be exempted from VNSG 1115 if they have taken BIOL 2420 within the past 5 years and passed with a grade of "C" or higher. Applicants will be exempted from SRTG 1301 if they have taken HITT 1305 and passed with a grade of "C" or higher.

Applicants must submit the following information by the last Thursday in May:

1. Copy of completed application for admission to Wharton County Junior College.
2. Completed Application to the Surgical Technology program
3. Entrance Test Scores, no older than 5 years: Compass, ACT, THEA or ASSET meeting the requirements listed in section 2, above
4. Copy of current driver's license High
5. School Transcript or GED Transcripts
6. from all colleges attended

## EXPENSES

The following are estimated expenses for Surgical Technology students:

Tuition and Fees.....	See Financial Information Section
Books and Supplies.....	\$1350(estimate)
Uniform.....	\$250 (estimate)
CPR Course.....	Varies
Liability Insurance.....	\$20 per year
Accidental Insurance.....	\$15
Physical Examination.....	Varies according to individual physician's fees
Transportation Cost.....	Vary according to clinical site
Graduation Pin.....	\$65
Criminal Background Check.....	\$60
Drug Screen.....	\$60
AST Student Membership.....	\$45
Certification Exam Fee second semester..	\$190
NBSTA Practice Certification Exam.....	\$40
Pre-entrance Test Fee (ACT).....	\$30
Hospital Shoes.....	Varies
Eye-shields.....	\$12 (estimate)

Travel, meals, and parking pertaining to clinical sites vary according to individually planned schedules. Students are responsible for transportation.

## CRIMINAL BACKGROUND CHECK AND DRUG SCREENING

Most clinical facilities require that criminal background checks and drug screens be completed prior to allowing students to participate in clinical training at their facilities.

Applicants conditionally accepted into the Surgical Technology program will be required to complete a criminal background and drug screen through the college approved agency. Final acceptance into the program is contingent upon a satisfactory background check and a negative drug screen. The cost of the criminal background check and drug screen will be at the applicant's expense. Information regarding this process should be obtained from the Surgical Technology department head.

<b>Surgical Technology Certificate</b>		
Course	Course Title	Semester Hours
<b>Semester I</b>		
HITT 1305	Medical Terminology	3
VNSG 1420	Anatomy and Physiology for Allied Health	4
VNSG 1115	Disease Control and Prevention	1
SRGT 1405	Introduction to Surgical Technology	4
SRGT 1409	Fundamental Perioperative Concepts & Techniques	4
		16 semester hours
<b>Semester II</b>		
HPRS 2301	Pathophysiology	3
SRGT 1541	Surgical Procedures I	5
HITT 1249	Pharmacology	2
SRGT 1560	Clinical I Surgical Technology/ Technologist	5
		15 semester hours
<b>Semester III – Summer I and II</b>		
SRGT 2130	Professional Readiness	1
SRGT 1542	Surgical Procedures II	5
SRGT 2461	Clinical II-Surgical Technology/ Technologist	4
		10 semester hours

#### **WELDING TECHNOLOGY CERTIFICATE (CIP 48.0508)**

Combination Welding: 40 semester credit hours

Structural Welding: 24 semester credit hours

The welding program is designed to prepare students with in-depth training and skills for entry-level employment in a wide variety of careers as a welder in light or heavy fabrication, construction, and manufacturing. Training focuses on the theory and application to provide essential skills in Shielded Metal Arc Welding (SMAW), Gas Metal Arc Welding (GMAW), Gas Tungsten Arc Welding (GTAW), and Flux Core Arc Welding (FCAW) processes in all positions, using plate and pipe. Students will also gain knowledge in layout and fabrication as well as blueprint reading for welders, safety and metallurgy. The program is offered at the Wharton campus only.

#### **Entrance Requirements:**

- -Must meet all admission requirements to Wharton County Junior College
- -No testing is required for acceptance into the program
- -Students will be required to provide their own tools and personal protective equipment

NOTE: Courses do not have to be taken together as a semester block; they may be registered for individually.

Students **must** maintain an overall GPA of 2.0 to receive the certificate.

<b>Combination Welding Certificate</b>		
Course	Course Title	Semester Hours
<b>Semester I</b>		
WELD 1413	Intro to Blueprint Reading for Welders	4
WLDG 1428	Intro to Shielded Metal Arc Welding (SMAW)	4
WLDG 1430	Intro to Gas Metal Arc Welding (GMAW)	4
		12 semester hours

<b>Semester II</b>		
WLDG 1457	Intermediate Shielded Metal Arc Welding (SWAW)	4
WLDG 1435	Intro to Pipe Welding	4
WELG 1417	Intro to Layout and Fabrication	4
WELG 1434	Intro to Gas Tungsten Arc Welding (GTAW)	4
		16 semester hours
<b>Semester III</b>		
WLDG 2453	Advanced Pipe Welding	4
WLDG 2451	Advanced Gas Tungsten Arc Welding (GTAW)	4
WLDG XXXX	Choose <u>one</u> course listed below: 1412 Intro to Flux Core Arc Welding <b>2443 Advance Shielded Metal Arc Welding</b> 2447 Advanced Gas Metal Arc Welding	4
		12 semester hours
<b>Total certificate: 40 semester credit hours</b>		

<b>Structural Welding Certificate</b>		
Course	Course Title	Semester Hours
<b>Semester I</b>		
WLDG 1428	Intro to Shielded Metal Arc Welding (SMAW)	4
WLDG 1430	Intro to Gas Metal Arc Welding (GMAW)	4
WELG 1413	Intro to Blueprint Reading for Welders	4
		12 semester hours
<b>Semester II</b>		
WLDG 1417	Intro to Layout and Fabrication	4
WLDG 1457	Intermediate Shielded Metal Arc Welding (SWAW)	4
WLDG 1412	Intro to Flux Cored Arc Welding (FCAW)	4
		12 semester hours
<b>Total certificate: 24 semester credit hours</b>		

# Course Descriptions

## TEXAS COMMON COURSE NUMBERING SYSTEM (TCCNS)

Following each course prefix identifying the subject (e.g. BIOL for Biology), a four-digit number appears, which is a standard statewide number adopted by most colleges and universities in Texas. This numbering system is designed to:

- Identify courses with comparable content and similar competencies expected upon completion of these courses
- Help students identify which courses to complete at one college to meet specific degree requirements at another college
- Facilitate the successful transfer of coursework among colleges and universities in Texas

The TCCNS consists of a uniform set of four-character abbreviations for academic disciplines and four-digit course numbers. In courses identified as ACAD, the first digit of the number reflects the academic level of the course: 1 for freshmen, 2 for sophomore. The second digit reflects the semester-credit hour value of the course; the third and fourth digits represent sequence.

Courses identified as TECH are numbered based on the Guidelines for Instructional Programs in Workforce Education. Course rubrics (prefixes) provide a common set of unique course designations for each occupational discipline where each four-letter rubric identifies a cluster of skills and knowledge to be used in determining both course equivalency and degree applicability for transfer on a statewide basis. The four-digit number after the rubric indicates the general course level (introductory, intermediate, or advanced), the semester credit hour value, and the course type (GIPWE Manual).

The Digital Description is a series of numbers which indicate (a) the number of credit hours, (b) the number of lecture hours, and (c) the number of lab hours for that course. Examples:

- 4:3:2 - This course carries four semester credit hours and has three class hours a week of lecture and two lab hours a week.
- 3:3:0 - This course carries three credit hours and meets for three lecture hours a week. It has no lab.

## FREQUENCY OF COURSE OFFERINGS

The frequency of course offerings is given at the end of many course descriptions. However, the college reserves the right to adjust each semester's schedule in any manner as circumstances warrant.

## COURSE TYPE

Courses listed as Academic are generally transferable toward a bachelor's degree. Courses listed as Technical are not expected to transfer. At the end of each course description, the course type will be listed as ACAD or TECH.

## ACCOUNTING (ACCT)

### ACCT 2301 Principles of Financial Accounting

3:3:0

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).

Prerequisite: TSI satisfied in Math

Type: ACAD

### ACCT 2302 Principles of Managerial Accounting

3:3:0

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.

Prerequisite: ACCT 2301

Type: ACAD

## **AGRICULTURE (AGRI)**

### **AGRI 1231 Agricultural Industry**

2:2:0

Overview of world agriculture, nature of the industry, resource conservation, and the American agricultural system, including production, distribution, and marketing.

Prerequisite: None

Type: ACAD

### **AGRI 1309 Computers In Agriculture**

3:3:0

Use of computers in agricultural applications. Introduction to programming languages, word processing, electronic spreadsheets and agricultural software.

Prerequisite: None

Type: ACAD

### **AGRI 1315 Horticulture**

3:2:2

Structure, growth, and development of horticultural plants from a practical and scientific approach. Environmental effects, basic principles of propagation, greenhouse and outdoor production, nutrition, pruning, chemical control of growth, pest control, and landscaping.

Prerequisite: None

Type: ACAD

### **AGRI 1319 Introductory to Animal Science**

3:2:2

Scientific animal agriculture. Importance of livestock and meat industries. Selection, reproduction, nutrition, management, and marketing of beef cattle, swine, sheep, goats, and horses.

Prerequisite: None

Type: ACAD

### **AGRI 1325 Marketing of Agricultural Products**

3:3:0

Operations in the movement of agricultural commodities from producer to consumer, including the essential marketing functions of buying, selling, transporting, storing, financing, standardizing, pricing, and risk bearing.

Prerequisite: None

Type: ACAD

### **AGRI 1329 Principles of Food Science**

3:3:0

Biological and scientific aspects of modern industrial food supply systems. Food classification, modern processing, and quality control.

Prerequisite: None

Type: ACAD

### **AGRI 1407 Agronomy**

4:3:2

Principles and practices in the development, production, and management of field crops including plant breeding, plant diseases, soils, insect control, and weed control.

Prerequisite: None

Type: ACAD

### **AGRI 2301 Agricultural Power Units**

3:2:2

Fundamentals of internal combustion engines: gasoline, diesel, and liquefied petroleum. Maintenance and adjustments of the electrical, ignition, fuel, lubricating, and cooling systems of agricultural power machinery.

Prerequisite: None

Type: ACAD

### **AGRI 2303 Agricultural Construction I**

3:2:2

Selection, use and maintenance of hand and power tools, arc and oxyacetylene welding, and construction materials and principles.

Prerequisite: None

Type: ACAD

### **AGRI 2313 Plant Protection-Entomology**

3:2:2

Principles and practices of controlling and preventing economic loss caused by plant pests. Includes instruction in entomology, plant pathology, weed science, crop science, environmental toxicology, and related environmental protection measures.

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

### **AGRI 2317 Introduction to Agricultural Economics**

3:3:0

Fundamental economic principles and their applications to the problems of the industry of agriculture.

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

### **AGRI 2321 Livestock Evaluation I**

3:3:0

Selection, evaluation, and classification of livestock and livestock products.

Prerequisite: None

Type: ACAD

**AGRI 2330 Wildlife Conservation and Management**  
 3:3:0  
 Principles and practices used in the production and improvement of wildlife resources. Aesthetic, ecological, and recreational uses of public and private lands.  
 Prerequisite: TSI satisfied in Reading and Writing  
 Type: ACAD

#### **AIR CONDITIONING, HEATING, REFRIGERATION AND ELECTRICAL TECHNOLOGY**

**CNBT 1301 Introduction to the Construction Industry**  
 3:3:0  
 Overview of the construction industry.  
 Prerequisite: High School Diploma or GED  
 Type: TECH

**CNBT 2437 Construction Estimating II**  
 4:2:7  
 Advanced estimating concepts using computer software for construction and crafts.  
 Prerequisite: Completion of spring semester  
 Type: TECH

**ELPT 1325 National Electrical Code I**  
 3:3:0  
 An introductory study of the National Electric Code (NEC) for those employed in fields requiring knowledge of the code. Emphasis on wiring design, protection methods and materials; equipment for general use and basic calculations.  
 Prerequisite: High School Diploma or GED  
 Type: TECH

**ELPT 1329 Residential Wiring**  
 3:1:8  
 Wiring methods for single family and multi-family dwellings. Includes load calculations, service entrance sizing, proper grounding techniques, and associated safety procedures.  
 Prerequisite: High School Diploma or GED  
 Type: TECH

**ELPT 1345 Commercial Wiring**  
 3:2:3  
 Commercial wiring methods. Includes overcurrent protection, raceway panel board installation, proper grounding techniques, and associated safety procedures.  
 Prerequisite: Completion of fall semester curriculum  
 Type: TECH

**ELPT 1357 Industrial Wiring**  
 3:2:3  
 Wiring methods used for industrial installations. Includes motor circuits, raceway and bus way installations, proper grounding techniques, and associated safety procedures.  
 Prerequisite: Completion of fall semester curriculum  
 Type: TECH

**ELPT 2305 Motors and Transformers**  
 3:2:3  
 Operation of single and three-phase motors and transformers. Includes transformer banking, power factor correction and protective devices.  
 Prerequisite: Completion of fall semester curriculum  
 Type: TECH

**HART 1301 Basic Electricity for HVAC**  
 3:1:8  
 Principles of electricity as required by HVAC, including proper use of test equipment, electrical circuits, and component theory and operation.  
 Prerequisite: High School Diploma or GED  
 Type: TECH

**HART 1307 Refrigeration Principles**  
 3:1:8  
 An introduction to the refrigeration cycle, heat transfer theory, temperature/pressure relationship, refrigerant handling, refrigeration components and safety.  
 Prerequisite: High School Diploma or GED  
 Type: TECH

**HART 1341 Residential Air Conditioning**  
 3:1:8  
 A study of components, applications, and installation of m conditioning systems including operating conditions, troub repair, and charging of air conditioning systems.  
 Prerequisite: Completion of fall semester curriculum  
 Type: TECH

**HART 2336 Air Conditioning Troubleshooting**  
 3:1:8  
 An advanced course in application of trouble shooting principles and use of test instruments to diagnose air conditioning and refrigeration components and system problems including conducting performance tests.  
 Prerequisite: Completion of fall semester curriculum  
 Type: TECH

**HART 2441 Commercial Air Conditioning**  
 4:2:7  
 A study of components, applications, and installation of air conditioning systems with capacities of 25 tons or less.  
 Prerequisite: Completion of HART 2336, or HART 1341, or ELPT 1357, or ELPT 1345, or ELPT 2305  
 Type: TECH

**HART 2442 Commercial Refrigeration**  
 4:2:7  
 Theory and practical application in the maintenance of commercial refrigeration, medium and low temperature applications and ice machines.  
 Prerequisite: Completion of spring semester curriculum  
 Type: TECH

#### **ANTHROPOLOGY (ANTH)**

**ANTH 2351 Cultural Anthropology**  
 3:3:0  
 Core 080 and 090

Key concepts, methods and theory in the study of cultural diversity, social institutions, linguistics, and culture change among world peoples.

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

## ARTS (ARTS)

### **ARTS 1303 Art History I**

3:3:0 Core 050 and 090

Examination of painting, sculpture, architecture, and other arts from prehistoric to present time. In Art History I, Western art from prehistoric times through the thirteenth century is covered.

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

### **ARTS 1304 Art History II**

3:3:0 Core 050 and 090

Examination of painting, sculpture, architecture, and other arts from prehistoric to present time. In Art History II, Western art from the beginning of the fourteenth century to the present is covered.

Prerequisite: TSI satisfied in Reading and Writing  
ARTS 1303 recommended

Type: ACAD

### **ARTS 1311 Design I (2-Dimensional)**

3:2:4

Elements and principles of art using two-dimensional concepts. Theory and practice of two-dimensional design along with color theory to enhance aesthetic judgment and use these principles and elements to solve visual problems (for art majors and non-art majors).

Prerequisite: None

Type: ACAD

### **ARTS 1312 Design II (3-Dimensional)**

3:2:4

Elements and principles of art using three-dimensional concepts. Theory and practice of three-dimensional organization including the fundamentals of line, color, texture, mass, and space arrangement.

Prerequisite: ARTS 1311

Type: ACAD

### **ARTS 1313 Foundations of Art**

3:2:2 Core 050 and 090

Introduction to the creative media designed to enhance artistic awareness and sensitivity through the creative and imaginative use of art materials and tools. Includes art history and culture through the exploration of a variety of art works with an emphasis on aesthetic judgment and growth.

Prerequisite: TSI satisfied in Reading

Type: ACAD

### **ARTS 1316 Drawing I**

3:2:4

Investigation of drawing media and techniques including descriptive and expressive possibilities. Explores perceptual and descriptive possibilities with

consideration of drawing as a developmental process as well as an end in itself.

Prerequisite: None

Type: ACAD

### **ARTS 1317 Drawing II**

3:2:4

Investigation of drawing media and techniques including descriptive and expressive possibilities. Continuation of ARTS 1316. Emphasis on figure study including anatomy, gesture, and figure composition.

Prerequisite: ARTS 1316

Type: ACAD

### **ARTS 2316 Painting I**

3:2:4

Exploration of ideas using painting media and techniques. Emphasis is on basic painting techniques, color mixing, and composition. Individual expression is encouraged. Students may use oil and/or acrylic paints. Individual and group criticism is encouraged.

Prerequisite: ARTS 1311 and ARTS 1316

Type: ACAD

### **ARTS 2317 Painting II**

3:2:4

Exploration of ideas using painting media and techniques. Continuation of ARTS 2316. Further skill is developed in the use of line, mass, and color in creative expression with some emphasis on painting the human figure. Individual techniques are encouraged. Three outside work hours a week.

Prerequisite: ARTS 2316

Type: ACAD

### **ARTS 2326 Sculpture I**

3:2:4

Exploration of ideas using sculpture media and techniques. Exploration of basic techniques and aesthetics of three-dimensional forms in various media (plaster, plastic, wood, metal), carving, forming, and casting, including additive and subtractive techniques. Three outside work hours per week.

Prerequisite: ARTS 1312 and ARTS 1317

Type: ACAD

### **ARTS 2346 Ceramics I**

3:2:4

Exploration of ideas using basic ceramic processes. Basic techniques in hand building: pinch, coil, and slab. Glaze formulation is explored as well as stacking and firing a kiln. The use of the potter's wheel is introduced. Three outside work hours a week.

Prerequisite: ARTS 1312 and ARTS 1317

Type: ACAD

### **ARTS 2366 Watercolors I**

3:2:4

Exploration of ideas using water-based painting media and techniques. Students will experience methods in water color painting. Recommended for art majors.

Prerequisite: ARTS 2316

Type: ACAD

## **AUTOMOTIVE TECHNOLOGY (AUMT)**

### **AUMT 1249 Automotive Electronics Theory**

2:2:1

A course in automotive technology including electrical principles, semiconductor and integrated circuits, digital fundamentals, microcomputer systems, and electrical test equipment.

Prerequisite: Certificate in Automotive Technology and must be Reading TSI satisfied

Type: TECH

### **AUMT 1301 Introduction and Theory of Automotive Technology**

3:3:0

An introductory overview of the automotive service industry including history, safety practices, shop equipment and tools, vehicle subsystems, service publications, professional responsibilities, and automobile maintenance.

Prerequisite: TSI Reading requirement met or minimum passing score on Pre-TASP

Type: TECH

### **AUMT 1407 Automotive Electrical Systems**

4:3:4

An overview of automotive electrical systems including topics in operational theory, testing, diagnosis, and repair of charging and starting systems, and electrical accessories. Emphasis on electrical principles, schematic diagrams and service manuals. May be taught manufacturer specific.

Prerequisite: Credit for or concurrent enrollment in AUMT 1301

Co-requisite: AUMT 1419 and AUMT 2417

Type: TECH

### **AUMT 1410 Automotive Brake Systems**

4:3:4

Operation and repair of drum/disc brake systems. Topics include brake theory, diagnosis, and repair of power, manual, anti-lock brake systems, and parking brakes. May be taught with manufacturer specific instructions.

Prerequisite: Credit for or concurrent enrollment in AUMT 1301

Co-requisite: AUMT 2413, AUMT 2425, and AUMT 2434

Type: TECH

### **AUMT 1416 Automotive Suspension and Steering Systems**

4:3:4

A study of automotive suspension and steering systems including tire and wheel problem diagnosis, component repair, and alignment procedures. May be taught manufacturer specific.

Prerequisite: Credit for AUMT 1301

Type: TECH

### **AUMT 1419 Automotive Engine Repair**

4:3:4

Fundamentals of engine operation, diagnosis, and repair. Emphasis on identification, inspection,

measurements, and disassembly, repair and reassembly of the engine. May be taught manufacturer specific.

Prerequisite: Credit for or concurrent enrollment in AUMT 1301

Co-requisite: AUMT 1407 and AUMT 2417

Type: TECH

### **AUMT 1445 Automotive Climate Control Systems**

4:3:4

Diagnosis and repair of manual/electronic climate control systems; includes the refrigeration cycle and EPA guidelines for refrigerant handling. May be taught manufacturer specific.

Prerequisite: Credit for or concurrent enrollment in AUMT 1301

Co-requisite: AUMT 1416

Type: TECH

### **AUMT 2301 Automotive Management**

3:3:0

Study of human and customer relations, and customer satisfaction in the automotive industry. Emphasis on management and building relationships between the service department and the customer.

Prerequisite: Certificate in Automotive Technology and must be Reading TSI satisfied

Type: TECH

### **AUMT 2380 Cooperative Education-Automotive Technician**

3:1:20

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.

Prerequisite: Certificate in Automotive Technology and must be Reading TSI satisfied

Type: TECH

### **AUMT 2413 Automotive Drive Train and Axles**

4:3:4

A study of automotive clutches, clutch operation devices, manual transmissions/transaxels, and differentials with emphasis on the diagnosis and repair. May be taught with manufacturer specific instructions.

Prerequisite: Credit for or concurrent enrollment in AUMT 1301

Co-requisite: AUMT 1410, AUMT 2425, and AUMT 2434

Type: TECH

### **AUMT 2417 Automotive Engine Performance Analysis I**

4:3:4

Theory, operation, diagnosis of drivability concerns, and repair ignition and fuel delivery systems. Use of current engine performance diagnostic equipment. May be taught with manufacturer specific instructions.

Prerequisite: Credit for or concurrent enrollment in AUMT 1301

Co-requisite: AUMT 1407 and AUMT 1419

Type: TECH



**AUMT 2425 Automotive Automatic Transmissions and Transaxels**  
4:3:4  
A study of the operation, hydraulic circuits and electronic controls of modern automatic transmissions/transaxels. Diagnosis, disassembly, and assembly procedures with emphasis on the use of special tools and repair techniques. May be taught manufacturer specific.  
Prerequisite: Credit for or concurrent enrollment in AUMT 1301  
Co-requisite: AUMT 1410, AUMT 2413 and AUMT 2434  
Type: TECH

**AUMT 2434 Automotive Engine Performance Analysis II**  
4:3:4  
Diagnosis and repair of emission systems, computerized engine performance systems, and advanced ignition and fuel systems. Includes use of advanced engine performance diagnostic equipment. May be taught manufacturer specific.  
Prerequisite: Credit for or concurrent enrollment in AUMT 1301  
Co-requisite: AUMT 1410, AUMT 2413 and AUMT 2425  
Type: TECH

**AUMT 2337 Automotive Electronics (advanced)**  
3:2:4  
Study of electronic principles applied to microcomputers and communication systems. Includes digital fundamentals and use of electronic test equipment. May be taught manufacturer specific.  
Prerequisite: Certificate in Automotive Technology and must be Reading TSI satisfied  
Type: TECH

## BIOLOGY (BIOL)

**BIOL 1322 Nutrition**  
3:3:0  
Study of the chemical, physical, and sensory properties of food; nutritional quality; and food use and diet applications.  
Prerequisite: BIOL 1406 or BIOL 2401 with a grade of "C" or better; concurrent enrollment or completion of BIOL 2402 strongly suggested  
Type: ACAD

**BIOL 1406 General Biology I**  
4:3:2 Core 030  
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. Laboratory activities will reinforce these concepts.  
Prerequisite: TSI satisfied in Reading and Writing  
Type: ACAD

**BIOL 1407 General Biology II**  
4:3:2 Core 030  
The diversity and classification of life will be studied, including animals, plants, protists, fungi, and prokaryotes. Special emphasis will be given to anatomy, physiology, ecology, and evolution of plants and animals. Laboratory activities will reinforce these concepts.  
Prerequisite: BIOL 1406 or a semester of college chemistry with a grade of "C" or better  
Type: ACAD

**BIOL 2106 Environmental Biology Lab**  
1:0:2  
This laboratory-based course accompanies Biology 2306, Environmental Biology. Laboratory activities will reinforce principles of environmental systems and ecology, including biogeochemical cycles, energy transformations, abiotic interactions, symbiotic relationships, natural resources and their management, lifestyle analysis, evolutionary trends, hazards and risks, and approaches to ecological research.  
Prerequisite: TSI reading and writing requirements met. Enrollment in BIOL 2306 or credit for BIOL 2306  
Type: ACAD

**BIOL 2306 Environmental Biology**  
3:3:0  
Principles of environmental systems and ecology, including biogeochemical cycles, energy transformations, abiotic interactions, symbiotic relationships, natural resources and their management, lifestyle analysis, evolutionary trends, hazards and risks, and approaches to ecological research.  
Prerequisite: TSI reading and writing requirements met  
Type: ACAD

**BIOL 2401 Human Anatomy and Physiology I**  
4:3:2 Core 030  
Study of the structure and function of human anatomy, including the cellular organization, neuroendocrine, integumentary, and musculoskeletal systems.  
Prerequisite: TSI satisfied in Reading and Writing  
Type: ACAD

**BIOL 2402 Human Anatomy and Physiology II**  
4:3:2 Core 030  
(Continuation of BIOL 2401) Study of the structure and function of human anatomy, including the digestive, urinary, reproductive, respiratory, and circulatory systems.  
Prerequisite: TSI reading and writing requirements met; BIOL 2401 with a grade of "C" or better  
Type: ACAD

**BIOL 2420 Microbiology**  
4:3:2 Core 030  
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.

Prerequisite: TSI reading and writing requirements met; BIOL 1406, or BIOL 2401 with a grade of "C" or better

Type: ACAD

## **BUSINESS (BUSI)**

### **BUSI 1301 Business Principles**

3:3:0

This 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.

Prerequisite: TSI satisfied in Reading

Type: ACAD

### **BUSI 2301 Business Law**

3:3:0

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.

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

### **BUSI 2304 Business Report Writing & Correspondence**

3:3:0

Capstone Course

Theory and applications for technical reports and correspondence in business.

Prerequisite: TSI satisfied in Reading, POFT 1301 or ENGL 1301

Type: ACAD

## **CHEMISTRY (CHEM)**

### **CHEM 1405 Introductory Chemistry I**

4:3:2 Core 030

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.

Prerequisite: TSI reading satisfied or concurrent enrollment in READ 0307

Type: ACAD

### **CHEM 1407 Introductory Chemistry II**

4:3:2

(Continuation of CHEM 1405) Survey course introducing chemistry. Topics may include inorganic, organic, biochemistry, food/physiological chemistry, and environmental/consumer chemistry. Includes the following topics; solutions, acids, bases, and ionic equations, chemical equilibrium, electrochemistry, and ionic equilibria. Introduction to organic chemistry including petroleum, chemicals in the home, plastics, vitamins and drugs, and fertilizers. Introduction to nuclear chemistry.

Prerequisite: CHEM 1405 or 1411

Type: ACAD

### **CHEM 1411 General Chemistry I**

4:3:3 Core 030

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. Basic laboratory experiments supporting theoretical principles presented in lecture; includes introduction of the scientific method, experimental design, data collection and analysis, and preparation of laboratory reports.

Prerequisite: TSI satisfied in Reading and Math. MATH 1314 College Algebra or equivalent academic preparation. High school chemistry is strongly recommended

Type: ACAD

### **CHEM 1412 General Chemistry II**

4:3:3 Core 030

Continuation of CHEM 1411. 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; including introduction of the scientific method, experimental design, chemical instrumentation, data collection and analysis, and preparation of laboratory reports.

Prerequisite: Successful completion of **Chemistry 1411 with a grade of "C" or higher**

Type: ACAD

### **CHEM 2423 Organic Chemistry I**

4:3:4

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. 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. Methods for the purification and identification of organic compounds will be examined.

Prerequisite: CHEM 1412

Type: ACAD

#### **CHEM 2425 Organic Chemistry II**

4:3:4

(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. Laboratory activities 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.

Prerequisite: CHEM 2423

Type: ACAD

### **COMPUTER SCIENCE**

#### **ARTC 1302 Digital Imaging I**

3:2:2

Digital imaging using raster image editing and/or image creation software: scanning, resolution, file formats, output devices, color systems, digital cameras, creating image portfolios, use of color management to soft-proof and hard-proof finished photographs and image-acquisitions.

Prerequisite: Grade of "C" or higher in IMED 1301

Type: TECH

#### **ARTC 1305 Basic Graphic Design**

3:2:2

Graphic design with emphasis on the visual communication process. Topics include basic terminology and graphic design principles. Using page layout software to create effective static and personalized documents that observe established principles of design, typography, color, photography, and ethics.

Prerequisite: Grade of "C" or higher in IMED 1301

Type: TECH

#### **ARTV 2301 2D Animation I**

3:2:2

Skill development in the use of software to develop

storyboards and two-dimensional animation including creating, importing, and sequencing media elements to create multimedia presentation. Emphasis on conceptualization, creativity, and visual aesthetics. This course assumes computer literacy.

Prerequisite: None

Type: TECH

#### **BCIS 1305 Business Computer Applications**

3:2:2

Computer terminology, hardware, software, operating systems, and information systems relating to the business environment. The main focus of this course is on business applications of software, including word processing, spreadsheets, databases, presentation graphics, and business oriented utilization of the Internet. (This course is part of the Business Field of Study Curriculum)

Prerequisite: TSI Satisfied in Math and Reading

Type: ACAD

#### **COSC 1301 Introduction to Computing**

3:2:2

Overview of computer systems-hardware, operating systems, and microcomputer application software, including the intranet, 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.

Prerequisite: TSI recommended in Reading

Type: ACAD

#### **COSC 1436 Programming Fundamentals I**

4:3:2

This course introduces the fundamental concepts of structured programming using Java, 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.)

Prerequisite: TSI satisfied in Math and Reading, ITSE 1329 recommended for students without prior programming experience

Type: ACAD

#### **COSC 1437 Programming Fundamentals II**

4:3:2

Review of control structures and data types with emphasis on structured data types using Java. Applies the object-oriented programming paradigm, focusing on the definition and use of classes along with the fundamentals of object-oriented design. Includes basic analysis of algorithms, searching and sorting techniques, and an introduction to software engineering.

Prerequisite: COSC 1436

Type: ACAD

**COSC 2425      Computer Organization and Machine  
4:3:2            Language**

Basic computer organization; machine cycle, digital representation of data and instructions; assembly language programming, assembler, loader, macros, subroutines, and program linkages. (This course is included in the Field of Study Curriculum for Computer Science.)

Prerequisite:    COSC 1436  
Type:            ACAD

**COSC 2436      Programming Fundamentals III  
4:3:2**

Further applications of programming techniques, introducing the fundamental concepts of data structures and algorithms using Java. Topics include recursion, fundamental data structures (including stacks, queues, link lists, hash tables, trees, and graphs), and algorithmic analysis.

Prerequisite:    COSC 1437  
Type:            ACAD

**CSIR 2351       Fiber Optic Communication System  
3:2:2            Installation & Repair**

Focus on installation and repair of fiber optic communications systems including networks and peripherals. Topics include fiber optic technology, state-of-the-art networking systems, installation/repair of fiber optic systems, and testing equipment. Prepares students for the Electronics Technicians Association Fiber Optics Installer Certification exam. This course assumes computer literacy.

Prerequisite:    None  
Type:            TECH

**GAME 1303      Introduction to Game Design and  
3:2:2            Development**

Introduction to electronic game development and game development careers. Includes examination of history and philosophy of games, the game production process, employee factors for success in the field, and current issues and practices in the game development industry.

Prerequisite:    None  
Type:            TECH

**GAME 1309      Introduction to Animation  
3:2:2            Programming**

Mathematical elements and algorithms involved in basic animation. Includes generating graphics, viewing 3D environments such as visible line detection and 3D surfaces, image processing techniques, and special effects.

Prerequisite:    ITSE 1307, GAME 1336 and MATH 1316  
Type:            TECH

**GAME 1336      Introduction to 3D Game Modeling  
3:2:2**

Architectural spaces and modeling in a real-time game editor. Includes techniques for building, texturing, and lighting a game level to function in real-time. This course assumes computer literacy.

Prerequisite:    None  
Type:            TECH

**GAME 1353      Multi-User Game Programming I  
3:2:2**

Network topologies, architecture and protocols, and communication in game and simulation programming. Introduces sockets programming utilizing TCP and UDP protocols in a high-level language. Focuses on blocking and asynchronous modes.

Prerequisite:    ITSE 2331  
Type:            TECH

**GAME 2303      Artificial Intelligence Programming I  
3:2:2**

Basic techniques in artificial intelligence related to game and simulation programming. Includes knowledge representation and inference techniques, expert systems, path-finding algorithms, and search techniques for problem solving.

Prerequisite:    ITSE 1307  
Type:            TECH

**GAME 2341      Game Scripting  
3:2:2**

Scripting languages with emphasis on game concepts and simulations.

Prerequisite:    ITSE 2321  
Type:            TECH

**GAME 2359      Game & Simulation Group Project  
3:2:2            Capstone Course**

Creation of a game and/or simulation project utilizing a team approach. Includes the integration of design, art, audio, programming, quality assurance and testing. This is the capstone course for the Computer Simulation & Game Development AAS degree.

Prerequisite:    GAME 2341, ITSE 2370 Android  
                         Programming, ARTV 2301 and GAME  
                         1309  
Type:            TECH

**IMED 1301       Introduction to Digital Media  
3:2:2**

A survey of the theories, elements, and hardware/software components of digital media. Emphasis on conceptualizing and producing digital media presentations. This course introduces students to vector and pixel-based image creation techniques. It provides student with tools to create and/or manipulate illustrations for given media. This course assumes computer literacy.

Prerequisite:    None  
Type:            TECH

**IMED 2313       Project Analysis and Design  
3:2:2**

Application of the planning and production processes for digital media projects. Emphasis on copyright and other legal issues, content design and production management. This is the capstone course for Digital Media.

Prerequisite: Grade of C or better in ITSW 1301, ITSE 1301, ARTC 1302  
Type: TECH

**INEW 2330 Comprehensive Software Project:  
3:2:2 Planning and Design**  
Capstone Course

A comprehensive application of skills learned in previous courses in a simulated workplace. Covers the development, testing, and documenting of a complete software and/or hardware solution. This is the capstone course for the Computer Programming AAS degree.

Prerequisite: Completion of 30 computer credit hours in the degree  
Type: TECH

**INEW 2334 Advanced Web Programming**  
3:2:2

Web programming using industry-standard languages and data stores.

Prerequisite: ITSE 2302  
Type: TECH

**ITCC 1401 CISCO Exploration – Network  
4:3:3 Fundamentals**

Introduces the architecture, structure, functions, components, and models of the internet. Describes the use of OSI and TCP layered models to examine the nature and roles of protocols and services at the application, network, data link, and physical layers. Covers the principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations. Build simple LAN topologies by applying basic principles of cabling, perform basic configurations of network devices, including routers and switches, and implementing IP addressing schemes.

Prerequisite: ITSC 1325 and ITSC 1305 recommended  
Type: TECH

**ITCC 1404 CISCO Exploration 2-Routing Protocols  
4:3:3 and Concepts**

This course describes the architecture, components, and operations of routers and explains the principles of routing and routing protocols. Students analyze, configure, verify, and troubleshoot the primary routing protocols of RIP v1, RIPv2, EIGRP, and OSPF. Recognize and correct common routing issues and problems. Model and analyze routing processes.

Prerequisite: Grade of "C" or higher in ITCC 1401  
Type: TECH

**ITCC 1475 Introduction to Networks**  
4:3:3

Introduce the architecture, structure functions, components and model of the Internet and other computer networks. The principles and structure of IP addressing and the fundamentals of Ethernet concepts, media, and operations are introduced to provide a foundation for the curriculum. By the end of either course, students will be able to build simple LANs, perform basic configurations for routers and switches, and implement IP addressing schemes. This course assumes computer literacy.

Prerequisite: None  
Type: TECH

**ITCC 1476 Routing and Switching Fundamentals**  
4:3:3

This course describes the architecture, components, and operations of routers and switches in a small network. Students learn how to configure a router and a switch for basic functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with RIPv1, RIPv2, single area and multi-area OSPF, virtual LANs, and inter-VLAN routing in both IPv4 and IPv6 networks.

Prerequisite: Grade of "C" or better in ITCC 1475  
Type: TECH

**ITCC 1478 Scaling Networks**  
4:3:3

This course describes the architecture, components, and operations of routers and switches in a larger and more complex network. Students learn how to configure routers and switches for advanced functionality. By the end of this course, students will be able to configure and troubleshoot routers and switches and resolve common issues with OSPF, EIGRP, STP, and VTP in both IPv4 and IPv6 networks. Students will also develop the knowledge and skills needed to implement DHCP and DNS operations in a network.

Prerequisite: Grade of "C" or better in ITCC 1476  
Type: TECH

**ITCC 1479 Connecting Networks**  
4:3:3

This course discusses the WAN technologies and network services required by converged applications in a complex network. The course enables students to understand the selection criteria of network devices and WAN technologies to meet network requirements. Students learn how to configure and troubleshoot network devices and resolve common issues with data link protocols. Students will also develop the knowledge and skills needed to implement IPsec and virtual private network (VPN) operations in a complex network.

Prerequisite: Grade of "C" or better in ITCC 1478  
Type: TECH

**ITCC 2408 CISCO Exploration 3-LAN Switching and  
4:3:3 Wireless**

This course helps students develop an in-depth understanding of how switches operate and are implemented in the LAN environment for small and large networks. Detailed explanations of LAN switch operations, VLAN implementation, Rapid Spanning Tree Protocol (RSTP), VLAN Trunking Protocol (VTP), Inter-VLAN routing, and wireless network operations. Analyze, configure, verify, and troubleshoot VLANs, RSTP, VTP, and wireless networks. Campus network design and Layer 3 switching concepts are introduced.

Prerequisite: Grade of "C" or higher in ITCC 1401  
Type: TECH

**ITCC 2410      CISCO Exploration 4-Accessing the  
4:3:3            WAN**

This course explains the principles of traffic control and access control lists (ACLs) and provides an overview of the services and protocols at the data link layer for wide-area access. Describes user access technologies and devices, and discover how to implement and configure Point-to-Point Protocol (PPP), Point-to-Point Protocol over Ethernet (PPPoE), DSL, and Frame Relay. WAN security concepts, tunneling, and VPN basics are introduced. Discuss the special network services required by converged applications and an introduction to quality of service (QoS). Prepares students for the Cisco Certified Associate Certification exam.

Prerequisite: Grade of "C" or higher in ITCC 1404 and ITCC 2408

Type: TECH

**ITNW 1325      Fundamentals of Networking  
3:2:2            Technologies**

Instruction in networking technologies and their implementation. Topics include the OSI reference model, network protocols, transmission media, and networking hardware and software. This course assumes computer literacy.

Prerequisite: None

Type: TECH

**ITNW 1345      Implementing Network Directory  
3:2:2            Services**

In-depth coverage of the skills necessary to install, configure, and administer Network Directory service.

Prerequisite: ITNW 2305

Type: TECH

**ITNW 2305      Network Administration**

3:2:2

Topics include network components, user accounts and groups, network file systems, file system security, and network printing.

Prerequisite: ITSC 1305

Type: TECH

**ITNW 2311      Implementing Mail Servers**

3:2:2

An in-depth study of electronic messaging using mail servers.

Prerequisite: ITNW 1345 and ITNW 2305

Type: TECH

**ITNW 2335      Network Troubleshooting and Support  
3:2:2            Capstone Course**

Troubleshoot and support networks with emphasis on solving real world problems in a hands-on environment. Topics include troubleshooting and research techniques, available resources, and network management hard/software. Students will complete a Capstone Project in this course.

Prerequisite: ITNW 2305 and ITNW 1345 and completion of 30 credit hours in the degree

Type: TECH

**ITNW 2352      Administering SQL Server  
3:2:2**

Administering SQL Server is a skills development course in the installation, configuration, administration, and troubleshooting of SQL Servers client/server database management system version.

Prerequisite: ITNW 2305

Type: TECH

**ITSC 1301      Introduction to Computers**

3:2:2

Overview of computer information systems. Introduces computer hardware, software, procedures, and human resources. Strongly recommended TSI Math and Reading requirement met or concurrent enrollment in developmental courses.

Prerequisite: None

Type: TECH

**ITSC 1305      Introduction to PC Operating Systems**

3:2:2

Introduction to Microsoft personal computer operating systems including installation, configuration, file management, memory and storage management, control of peripheral devices, and use of utilities.

Prerequisite: None

Type: TECH

**ITSC 1307      Unix Operating System I**

3:2:2

A study of the UNIX operating system including multi-user concepts, terminal emulation, use of system editor, basic UNIX commands, and writing script files. Topics include introductory system management concepts using RedHat Linux. This course assumes computer literacy.

Prerequisite: COSC 1301 recommended

Type: TECH

**ITSC 1325      Personal Computer Hardware**

3:2:2

A study of current personal computer hardware including personal computer assembly and upgrading, setup and configuration, and troubleshooting. Students will build and configure personal computers.

Prerequisite: None

Type: TECH

**ITSC 1358      Unix System Administration I**

3:2:2

Basic Unix workstation administration. Includes installing a stand-alone system, adding users, backing up and restoring file systems, and adding new printer support. Emphasis on the procedures needed to perform system administration tasks. Introduces the concept of the system and disk management.

Prerequisite: ITSC 1307

Type: TECH

**ITSC 2339      Personal Computer Help Desk Support**

3:2:2

Capstone Course  
Diagnosis and solution of user hardware and software

related problems with on-the-job and/or simulated projects. This is the Capstone course for the PC Technical Support Certificate.

Prerequisite: ITSC 1305 and completion of 12 credit hours in the certificate  
Type: TECH

#### **ITSE 1301 Web Design Tools**

3:2:2

Designing and publishing Web documents according to World Wide Web Consortium (W3C) standards. Emphasis on optimization of graphics and images and exploration of tools available for creating and editing Web documents.

Prerequisite: IMED 1301 (or UH course DIGM 2350) or instructor's consent  
Type: TECH

#### **ITSE 1307 Introduction To C++**

3:2:2

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.

Prerequisite: COSC 1436  
Type: TECH

#### **ITSE 1311 Beginning Web Programming**

3:2:2

Sill development in web page programming including mark-up and scripting languages.

Prerequisite: None  
Type: TECH

#### **ITSE 1329 Programming Logic and Design**

3:2:2

Problem-solving applying structured techniques and representation of algorithms using design tools. Includes; testing, evaluation, and documentation.

Prerequisite: None  
Type: TECH

#### **ITSE 1350 System Analysis and Design**

3:2:2

Introduction to the planning, design, and construction of computer information systems using the systems development life cycle and other appropriate design tools.

Prerequisite: ITSE 1329  
Type: TECH

#### **ITSE 2302 Intermediate Web Programming**

3:2:2

Techniques for Web development. Includes server-side and client-side scripting.

Prerequisite: ITSE 1311 or department approval  
Type: TECH

#### **ITSE 2309 Database Programming**

3:2:2

Database development using database programming techniques emphasizing database structures, modeling,

and database access.

Prerequisite: None  
Type: TECH

#### **ITSE 2321 Object-Oriented Programming**

3:2:2

Introduction to object-oriented programming. Emphasis on the fundamentals of design with classes, including development, testing, implementation, and documentation.

Prerequisite: ITSE 1436  
Type: TECH

#### **ITSE 2331 Advanced C++ Programming**

3:2:2

Further application of C++ programming techniques including file access, abstract data structures, class inheritance, and other advanced techniques.

Prerequisite: ITSE 1307  
Type: TECH

#### **ITSE 2370 Android Programming**

3:2:2

This course will cover the Android development kit and will focus on the needs for the game programmer. Both 2d and 3d graphics programmer will be used

Prerequisite: COSC 1436  
Type: TECH

#### **ITSW 1307 Introduction to Database**

3:2:2

Introduction to database theory and the practical applications of a database. Students will plan, define and design a database; generate tables, forms and reports and devise and process queries using Microsoft Access.

Prerequisite: None  
Type: TECH

#### **ITSY 1342 Information Technology Security**

3:2:2

Instruction in security for network hardware, software, and data, including physical security, backup procedures, relevant tools, encryption, and protection from viruses.

Prerequisite: ITNW 2305  
Type: TECH

### **COSMETOLOGY (CSME)**

#### **CSME 1310 Introduction to Hair Cutting & Related Theory**

3:1:6

Introduction to the theory and practice of hair cutting. Topics include terminology, implements, sectioning and finishing techniques.

Prerequisite: Nelson-Denny  
Type: TECH

#### **CSME 1401 Orientation to Cosmetology**

4:2:8

An overview of the skills and knowledge necessary for the field of cosmetology.

Prerequisite: Nelson-Denny  
Type: TECH

**CSME 1505      Fundamentals of Cosmetology**

5:3:8

A course in the basic fundamentals of cosmetology. Topics include service preparation, manicure, facial, chemical services, shampoo, haircut, wet styling, and comb out.

Prerequisite: Nelson-Denny

Type: TECH

**CSME 1551      Artistry of Hair Theory and Practice**

5:3:7

Instruction in the artistry of hair design. Topics include theory, techniques, and application of hair design.

Prerequisite: Nelson-Denny

Type: TECH

**CSME 1453      Chemical Reformation and Related Theory**

4:2:8

Presentation of the theory and practice of chemical reformation including terminology, application, and workplace competencies.

Prerequisite: Nelson-Denny

Type: TECH

**CSME 2202      Introduction to Application of Hair Color**

2:0:6

Introduction to basic hair color applications, including safety and sanitation procedures.

Prerequisite: Nelson-Denny

Type: TECH

**CSME 2237      Advanced Cosmetology Techniques**

2:1:4

Mastery of advanced cosmetology techniques including hair designs, professional cosmetology services, and workplace competencies.

Prerequisite: Nelson-Denny

Type: TECH

**CSME 2343      Salon Development**

3:2:3

Applications of procedures necessary for salon development. Topics include professional ethics and goals, salon operation, and record keeping.

Prerequisite: Director approval

Type: TECH

**CSME 2501      Principals of Hair Color and Theory**

5:3:7

Presentation of the theory, practice, and chemistry of hair color. Topics include terminology, application and workplace competencies related to hair color.

Prerequisite: Nelson-Denny

Type: TECH

**CSME 2439      Advanced Hair Design**

4:2:8

Advanced concepts in the theory and practice of hair design.

Prerequisite: Director Approval

Type: TECH

**CSME 2441      Preparation for the State Licensing**

4:2:8

**Exam**

Demonstrate the skills and knowledge required for completion of the state licensing examination.

Prerequisite: Director Approval

Type: TECH

**CRIMINAL JUSTICE (CRIJ)****CJSA 2288      Internship-Criminal Justice/Safety Studies I**

2:1:6

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. Provides the pre-service law-enforcement student with on-site experience at various levels such as federal, states, and local agencies. Provides field observation and actual work experience in a law-enforcement agency. This is a required course for all students seeking an Associate of Applied Science degree in Criminal Justice. In-service students currently employed as full-time commissioned peace officers can satisfy degree requirements for the internship courses under the provisions related to work/life experience.

Prerequisite: Completion of nine hours in academic criminal justice courses and instructor approval.

Type: TECH

**CJSA 2289      Internship Criminal Justice/Safety Studies II (Continuation of CJSA 2288)**

2:1:6

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.

Prerequisite: Instructor approval and successful completion of CJSA 2288

Type: TECH

**CRIJ 1301      Introduction to Criminal Justice**

3:3:0

History, philosophy, and ethical considerations of criminal justice; the nature and impact of crime; and an overview of the criminal justice system including law enforcement, and court procedures.

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

**CRIJ 1306      Court Systems and Practices**

3:3:0

Study of the judiciary in the American criminal justice system and the adjudication processes and procedures.

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

**CRIJ 1307      Crime in America**

3:3:0

Core 080 and 090

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.



Prerequisite: TSI satisfied in Reading and Writing  
Type: ACAD

**CRIJ 1310 Fundamentals of Criminal Law**

3:3:0

Study of criminal law, its philosophical and historical development, major definitions and concepts, classifications and elements of crime, penalties using Texas statutes as illustrations, and criminal responsibility.

Prerequisite: TSI satisfied in Reading and Writing  
Type: ACAD

**CRIJ 2301 Community Resources in Corrections**

3:3:0

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.

Prerequisite: TSI satisfied in Reading and Writing  
Type: ACAD

**CRIJ 2313 Correctional Systems and Practices**

3:3:0

Corrections in the criminal justice system, organization of correctional systems, correctional role, institutional operations, alternative to institutionalization, treatment and rehabilitation, current and future issues.

Prerequisite: TSI satisfied in Reading and Writing  
Type: ACAD

**CRIJ 2314 Criminal Investigation**

3:3:0

Investigative theory, collection and preservation of evidence, sources of information, interview and interrogation, uses of forensic sciences, case and trial preparation.

Prerequisite: TSI satisfied in Reading and Writing  
Type: ACAD

**CRIJ 2323 Legal Aspects of Law Enforcement**

3:3:0

Police authority; responsibilities; constitutional constraints; laws of arrest, search and seizure; police liability.

Prerequisite: CRIJ 1306 and 1310 recommended  
Type: ACAD

**CRIJ 2328 Police Systems and Practices**

3:3:0

The police profession; organization of law enforcement systems; the police role; police discretion; ethics; police-community interaction; current and future issues.

Prerequisite: TSI satisfied in Reading and Writing  
Type: ACAD

## **DENTAL HYGIENE (DHYG)**

**DHYG 2253 Dental Hygiene Practice**

2:2:0

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 setting for the dental hygienist, office operations, and preparations for employment.

Prerequisite: DHYG 2362, 2201, 1315 and 1235 with a grade of "C" or higher

Type: TECH

**DHYG 1227 Preventive Dental Hygiene Care**

2:2:0

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.

Prerequisite: DHYG 1301, 1311, and 1431 with a grade of "C" or higher

Type: TECH

**DHYG 1235 Pharmacology for the Dental Hygienist**

2:2:0

Classification of drugs and their uses, actions, interactions, side effects, contraindications, with emphasis on dental applications.

Prerequisite: DHYG 1339, 1304, 1261, 1227, 1319 and 1307 with a grade of "C" or higher

Type: TECH

**DHYG 1261 Clinical Dental Hygiene I**

2:0:11

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.

Prerequisite: DHYG 1301, 1311, and 1431 with a grade of "C" or higher

Type: TECH

**DHYG 1271 Service Learning for Local Need**

2:1:2

An advanced level course. A structured learning experience that combines community service with the explicit academic learning objectives, preparation, and reflection. Further development of clinical skills, interpersonal skills, and leadership while facilitating a sense of social responsibility and citizenship skills. Impacts academic learning by demonstrating problem analysis, critical thinking, and cognitive development as well as benefiting the community.

Prerequisite: DHYG 2362, 2201, 1315 and 1235 with grade of "C" or higher

Type: TECH

**DHYG 1301 Orofacial Anatomy, Histology & Embryology**

3:3:1

Histology and embryology of oral tissues, gross anatomy of the head and neck, tooth morphology, and individual tooth identification.

Prerequisite: Open only to students admitted to Dental Hygiene Program

Type: TECH

**DHYG 1304 Dental Radiology**

3:2:3

Fundamentals of oral radiography, including techniques, interpretation, quality assurance, and ethics.

Prerequisite: DHYG 1301, 1311, and 1431 with a grade of "C" or higher

Type: TECH

**DHYG 1307 General & Dental Nutrition**

3:3:0

General nutrition and nutritional biochemistry emphasizing the effect nutrition has on oral health.

Prerequisite: DHYG 1301, 1311, and 1431 with a grade of "C" or higher

Type: TECH

**DHYG 1311 Periodontology**

3:3:1

Normal and diseased periodontium including the structural, functional, and environmental factors. Emphasis on etiology, pathology, treatment modalities, and therapeutic and preventive periodontics.

Prerequisite: Open only to students admitted to Dental Hygiene Program

Type: TECH

**DHYG 1315 Community Dentistry**

3:3:1

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.

Prerequisite: DHYG 1339, 1304, 1261, 1227, 1319, and 1307 with a grade of "C" or higher

Type: TECH

**DHYG 1319 Dental Materials**

3:2:2

Physical and chemical properties of dental materials including the application and manipulation of the various materials used in dentistry.

Prerequisite: DHYG 1339, 1304, 1261, 1227, and 1307 with a grade of "C" or higher

Type: TECH

**DHYG 1339 General and Oral Pathology**

3:3:0

Disturbances in human body development, diseases of the body, and disease prevention measures with emphasis on the oral cavity and associated structures.

Prerequisite: DHYG 1301, 1311, and 1431 with a grade of "C" or higher

Type: TECH

**DHYG 1431 Preclinical Dental Hygiene**

4:2:6

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.

Prerequisite: Open only to students admitted to Dental Hygiene Program

Type: TECH

**DHYG 2201 Contemporary Dental Hygiene Care I**

2:2:0

Dental hygiene care for the medically or dentally compromised patient including supplemental instrumentation techniques.

Prerequisite: DHYG 1227, 1261, 1304, 1307, 1319, and 1339 with grade of "C" or higher

Type: TECH

**DHYG 2231 Contemporary Dental Hygiene Care II**

2:2:0

A continuation of Contemporary Dental Hygiene Care I. Dental hygiene care for the medically or dentally compromised patient including advanced instrumentation techniques.

Prerequisite: DHYG 2362, 2201, 1315 and 1235 with grade of "C" or higher

Type: TECH

**DHYG 2362 Clinical Dental Hygiene II**

3:0:14

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.

Prerequisite: DHYG 1339, 1304, 1261, 1319, 1227 and 1307 with a grade of "C" or higher

Type: TECH

**DHYG 2363 Clinical Dental Hygiene III**

3:0:14

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.

Prerequisite: DHYG 2362, 2201, 1315 and 1235 with grade of "C" or higher

Type: TECH

**DRAMA (DRAM)**

**DRAM 1120 Theater Practicum I**

1:0:4

Practicum in theater with emphasis on technique and procedures with experience gained in play productions.

Prerequisite: None

Type: ACAD

**DRAM 1161 Musical Theatre**

1:0:3

Or MUSI 1159

Study and performance of works from the musical theater repertoire.

Prerequisite: None

Type: ACAD

**DRAM 1310 Introduction to Theater**

3:3:0

Core 050 and 090

Survey of all phases of theater including its history, dramatic works, stage techniques, production procedures, and relation to the fine arts. Participation in major productions may be required.

Prerequisite: TSI satisfied in Reading and Writing  
Type: ACAD

**DRAM 1322 Stage Movement**

3:3:0

Principles, practices, and exercises in body techniques and stage movement; emphasis on character movement and body control.

Prerequisite: None  
Type: ACAD

**DRAM 1330 Stagecraft I**

3:0:6

Study and application of visual aesthetics of design which may include the physical theater, scenery construction and painting, properties, lighting, costume, makeup, and backstage organization.

Prerequisite: None  
Type: ACAD

**DRAM 1342 Introduction to Costume**

3:2:3

Principals and techniques of costume design and construction for theatrical productions.

Prerequisite: DRAM 1310 or concurrent enrollment in DRAM 1310 recommended  
Type: ACAD

**DRAM 1351 Acting I**

3:3:0

Development of basic skills and techniques of acting including increased sensory awareness, ensemble performing, character analysis, and script analysis. Emphasis on the mechanics of voice, body, emotion, and analysis as tools for the actor.

Prerequisite: TSI satisfied in Reading and Writing  
Type: ACAD

**DRAM 1352 Acting II**

3:3:0

Continuation of DRAM 1351; Development of basic skills and techniques of acting including increased sensory awareness, ensemble performing, character analysis, and script analysis. Emphasis on the mechanics of voice, body, emotion, and analysis as tools for the actor. Students are required to participate in a series of acting exercises and performances.

Prerequisite: TSI satisfied and DRAM 1351 or consent of instructor  
Type: ACAD

**DRAM 2331 Stagecraft II**

3:0:6

Continuation of the study and application of visual aesthetics of design which may include the physical theater, scenery construction and painting, properties, lighting, costume, makeup, and backstage organization.

Prerequisite: None. DRAM 1330 recommended  
Type: ACAD

**DRAM 2351 Acting III**

3:3:0

Development of basic skills and techniques of acting including increased sensory awareness, ensemble performing, character analysis, and script analysis. Emphasis on the mechanics of voice, body, emotion, and analysis as tools for the actor.

Prerequisite: DRAM 1351 or consent of instructor  
Type: ACAD

**DRAM 2366 Development of the Motion Picture**

3:3:0 Core 050 and 090

Emphasis on the analysis of the visual and aural aspects of selected motion pictures, dramatic aspects of narrative films, and historical growth and sociological effect of film as an art.

Prerequisite: TSI satisfied in Reading and Writing  
Type: ACAD

## EARLY CHILDHOOD DEVELOPMENT

**CDEC 1313 Curriculum Resources for Early Childhood Program**

3:3:0

A study of the fundamentals developmentally appropriate curriculum design and implementation in early care and education programs for children birth through age eight.

Prerequisite: None  
Type: TECH

**CDEC 1319 Child Guidance**

3:3:0

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.

Prerequisite: None  
Type: TECH

**CDEC 1321 The Infant and Toddler**

3:3:0

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. CDEC elective for the AAS degree.

Prerequisite: None  
Type: TECH

**CDEC 1323 Observation and Assessment**

3:3:0

A study of observation skills, assessment techniques, and documentation of children's development. A CDEC elective for the AAS degree.

Prerequisite: None  
Type: TECH

**CDEC 1356 Emergent Literacy for Early Childhood**

3:3:0

An exploration of principles, methods, and materials for teaching young children language and literacy through a play-based, integrated curriculum to children birth through age eight.

Prerequisite: CDEC 1313  
Type: TECH

**CDEC 1358 Creative Arts for Early Childhood**

3:3:0

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 for children birth through age eight.

Prerequisite: None

Type: TECH

**CDEC 1359 Children with Special Needs**

3:3:0

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.

Prerequisite: None

Type: TECH

**CDEC 2307 Math and Science for Early Childhood**

3:3:0

An exploration of principles, methods, and materials for teaching children math and science concepts and process skills through discovery and play.

Prerequisite: None

Type: TECH

**CDEC 2315 Diverse Cultural/Multilingual Education**

3:3:0

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 is an intermediate level elective course used to satisfy requirements for the AAS degree in Early Childhood.

Prerequisite: Sophomore standing and approval of the program director

Type: TECH

**CDEC 2341 The School Age Child**

3:3:0

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.

A CDEC elective for the AAS degree.

Prerequisite: None

Type: TECH

**CDEC 2386 Internship Child Care Provider/Assistant**

3:0:9

Capstone Course

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. This course requires students to complete a number of hours in an external learning environment. Contact the program director for more information.

Prerequisite: Approval of program director and must be in final semester of program

Type: TECH

**CDEC 2426 Administration of Programs for Children I**

4:3:2

Application of management procedures for early 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. This course requires students to complete a number of hours in an external learning environment. Contact the program director for more information.

Prerequisite: Approval of program director.

Type: TECH

**CDEC 2428 Administration of Programs for Children II**

4:3:2

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. This is an intermediate level elective course used to satisfy requirements for the AAS degree in Early Childhood. This course requires students to complete a number of hours in an external learning environment. Contact the program director for more information.

Prerequisite: Approval of program director and CDEC 2426

Type: TECH

**TECA 1303 Family, School, and the Community**

3:3:0

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. The course content is aligned as applicable with the State Board for Educator Certification Pedagogy and Professional Responsibilities standards. This course requires students to participate in a minimum of 16 hours of field experiences with children from infancy through age 12 years in a variety of settings with varied and diverse populations.

Prerequisite: Students must pass a criminal history check

Type: ACAD

**TECA 1311 Educating Young Children**

3:3:0

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. The course content is aligned as applicable with the State Board for Educator Certification Pedagogy and Professional Responsibilities standards. This course requires students to participate in a minimum of 16 hours of field experiences with children from infancy

through age 12 years in a variety of settings with varied and diverse populations.

Prerequisite: TSI satisfied in Reading and Writing; students must pass a criminal history check

Type: ACAD

### **TECA 1318 Wellness of the Young Child**

3:3:0

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. The course content must be aligned as applicable 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 years in a variety of settings with varied and diverse populations and includes a minimum of 16 hours of field experiences scheduled in approved settings.

Prerequisite: Students must pass a criminal history check

Type: ACAD

### **TECA 1354 Child Growth and Development**

3:3:0

A study of the physical, emotional, social, and cognitive factors impacting growth and development of children through adolescence.

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

## **ECONOMICS (ECON)**

### **ECON 2301 Principles of Macroeconomics (Economics)**

3:3:0

Core 080 and 090

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, and fiscal policy and monetary policy.

Prerequisite: TSI satisfied

Type: ACAD

### **ECON 2302 Principles of Microeconomics (Economics)**

3:3:0

Core 080 and 090

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.

Prerequisite: TSI satisfied

Type: ACAD

## **EDUCATION**

### **EDUC 1301 Introduction to the Teaching Profession**

3:3:0

An enriched and 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. The course content is aligned as applicable with the State Board for Educator Certification Pedagogy and Professional Responsibilities standards. Course must include a minimum of 16 contact hours of field experiences in P-12 classrooms.

Prerequisite: TSI satisfied; students must pass a criminal history check. Recommended G-4/G-8; Secondary Certification

Type: ACAD

### **EDUC 2301 Introduction to Special Populations**

3:3:0

An enriched, integrated pre-service course and content experience that provides an overview of schooling and classrooms from the perspectives of language, gender, socioeconomic status, ethnic and academic diversity, and equity with an emphasis on factors that facilitate learning. It provides students with opportunities to participate in early field observations of P-12 special populations. The course should be aligned as applicable with State Board for Educator Certification Pedagogy and Professional Responsibilities standards. It must include a minimum of 16 contact hours of field experience in P-12 classrooms with special populations.

Prerequisite: EDUC 1301; students must pass a criminal history check

Type: ACAD

## **ELECTRONICS ENGINEERING TECHNOLOGY**

### **CETT 1321 Electronic Fabrication**

3:3:1

A study of electronic circuit fabrication techniques including printed circuit boards, wire wrapping, bread boarding, and various soldering techniques. Skill in techniques of electronic equipment fabrication is gained through layout and construction of a complete unit. Component recognition, schematic symbols, discrete, leaded, and surface-mount components. IPC-A-610B training.

Prerequisite: None

Type: TECH

### **CETT 1331 Programming for Discrete Electronic Devices**

3:3:1

Introduction to a high level programming language such as BASIC, PASCAL, or "C". Topics include structured programming and problem solving and how they apply to discrete electronic devices. Lecture and lab programming practice using Python. Includes structured programming and problem solving applicable to discrete electronic devices.

Prerequisite: Math 1314

Type: TECH

**CETT 1341 Solid State Circuits**

3:3:1

A study of various semiconductor devices incorporated in circuits and their applications. Emphasis on circuit construction, measurements, and analysis. Multistage transistor amplifiers, common-collector circuits, power amplifiers, amplifier class A, B, and C configurations, FET circuits, thyristors, amplifier frequency response, and basic linear operational amplifier circuits.

Prerequisite: CETT 1429

Type: TECH

**CETT 1403 D.C. Circuits**

4:3:3

A study of the fundamentals of direct current including Ohm's Law, Kirchoff's Laws, and circuit analysis techniques. Emphasis on circuit analysis of resistive networks and DC measurements. Voltage, current, resistance, Ohm's Law, Kirchoff's Voltage and Current Laws, Thevenin, Norton, superposition, and maximum power transfer theorems. Laboratory use of components, meters, power supplies, and oscilloscope.

Prerequisite: Credit for or concurrent enrollment in both CETT 1425 and MATH 1314

Type: TECH

**CETT 1405 A.C. Circuits**

4:3:3

A study of the fundamentals of alternating current including series and parallel AC circuits, phasors, capacitive and inductive networks, transformers, and resonance. Sinusoidal steady-state circuit analysis using complex numbers, inductance, capacitance, RL and RC time constants, transformers, resonance, filters, and frequency response. Laboratory realization of lecture topics.

Prerequisite: CETT 1403 or approved credit for CETT 1403 from a high school with which WCJC has a current articulation agreement for Electronics Engineering Technology. MATH 1316 or concurrent enrollment

Type: TECH

**CETT 1425 Digital Fundamentals**

4:3:3

An entry level course in digital electronics to include numbering systems, logic gates, Boolean algebra, combinational logic, binary mathematics, digital codes, Karnaugh maps, and the introduction to flip flops. Emphasis on circuit logic analysis and troubleshooting digital circuits. Introduction to flip-flops. Laboratory realization of logic circuits using TTL and CMOS gates. Laboratory use of logic probes, meters, and oscilloscopes for digital troubleshooting.

Prerequisite: Credit for or concurrent enrollment in both CETT 1403 and MATH 1314

Type: TECH

**CETT 1429 Solid State Devices**

4:3:3

A study of diodes and bipolar semiconductor devices,

including analysis of static and dynamic characteristics, biasing techniques, and thermal considerations of solid state devices. Basic power-supply design and application. Linear and switching circuits. Laboratory realization of lecture topics.

Prerequisite: CETT 1403 or approved credit for CETT 1403 from a high school with which WCJC has a current articulation agreement for Electronics Engineering Technology. MATH 1316 or concurrent enrollment

Type: TECH

**CETT 1445 Microprocessor**

4:3:3

An introductory course in microprocessor software and hardware, its architecture, timing sequence, operation, and programming. Discussion of appropriate software diagnostic language and tools. Organization, construction, and application of stored program LSI computers, both hardware and software. Microprocessor architecture: processor, memory and I/O. The bus concept, RAM and ROM. Instruction sets for the Intel 80xxx. Programming and I/O for open and closed-loop control. Laboratory application of concepts using microprocessor systems with extensive troubleshooting experience.

Prerequisite: CETT 1449

Type: TECH

**CETT 1449 Digital Systems**

4:3:3

A course in electronics covering digital systems. Emphasis on application and troubleshooting digital systems using counters, registers, code converters, multiplexers, analog-to-digital-to-analog circuits, and large-scale integrated circuits. Logic family characteristics: TTL, ECL, and CMOS. I/O techniques and devices, A/D, D/A conversion, and display methods.

Prerequisite: CETT 1425

Type: TECH

**CETT 1457 Linear and Integrated Circuits**

4:3:3

A study of the characteristics, operations, stabilization, testing, and feedback techniques of linear integrated circuits. Application in computation, measurements, instrumentation, and active filtering.

Prerequisite: CETT 1405 and 1429

Type: TECH

**CETT 2349 Research and Project Design**

3:2:2

Capstone Course

Principles of electrical/electronic design encompassing schematics, wiring diagrams, materials lists, operating characteristics, completion schedules, and cost estimates. The student will be required to plan and develop a project consisting of research, design, layout, construction and operation of an electrical-mechanical project. A formal written report and a demonstration and presentation of process and results is required. This course is intended to provide the Capstone experience

for graduation Electronics Engineering Technology students.

Prerequisite: Electronics Engineering Technology major expecting graduation in the current semester

Type: TECH

**ELMT 1301 Programmable Logic Controllers**

3:3:1

An introduction to programmable logic controllers as used in industrial environments including basic concepts, programming, applications, troubleshooting of ladder logic, and interfacing of equipment. Laboratory experience in programming and interfacing commercial PLCs.

Prerequisite: CETT 1405, 1425, and 1429

Type: TECH

**ELMT 2433 Industrial Electronics**

4:3:3

A study of devices, circuits, and systems primarily used in automated manufacturing and/or process control including computer controls and interfacing between mechanical, electrical, electronic, and computer equipment. Presentation of programming schemes. Analog and digital control loops and their application in process control and robotics. Microprocessors for control and monitoring. Sensing devices for pressure, level, flow, temperature, and position. Signal processing: A/D and D/A conversion, feedback, and servos. Laboratory work includes microprocessor and robotics interfacing and control circuits.

Prerequisite: CETT 1457

Type: TECH

**EECT 1303 Introduction to Telecommunications**

3:3:0

An overview of the telecommunications industry. Topics include the history of the telecommunications industry, terminology, rules and regulations, industry standards and protocols, microwave, satellite, optical and wire/cable-based communications systems. Instruction in installation, testing, and maintenance of communications systems components. Introduction to data communication protocols.

Prerequisite: CETT 1405, 1429, and 1449

Type: TECH

**EECT 2439 Communications Circuits**

4:3:3

A study of communications systems with emphasis on amplitude modulation, frequency modulation, phase modulation, and digital pulse modulation. Discussion of several types of modulators, demodulators, receivers, transmitters, and transceivers. Laboratory realization of lecture topics.

Prerequisite: CETT 1405, 1425, and 1429

Type: TECH

**EMERGENCY MEDICAL TECHNOLOGY-PARAMEDIC**

**EMSP 1260 Clinical-Emergency Medical Technology**

**(EMT Paramedic)-Basic**

2:0:6

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.

Prerequisite: TSI Reading requirement met

Co-requisite: EMSP 1501

Type: TECH

**EMSP 1291 Special Topics: AEMT Medical Emergencies and Special Populations**

2:2:0  
Advanced EMT knowledge and skills in the assessment and management of patients with medical emergencies and in diverse populations to include neonatology, pediatrics, geriatrics and other related topics.

Prerequisites: TSI Reading requirement met;  
EMSP 1501 and EMSP 1260

Co-requisite: EMSP 1338, EMSP 1355, EMSP 1356,  
EMSP 2260 and EMSP 2338

Type: TECH

**EMSP 1338 Introduction to Advanced Practice**

3:3:1

Fundamental elements associated with emergency medical services to include preparatory practices, pathophysiology, medication administration, and related topics.

Prerequisite: TSI Reading Requirement met;  
EMSP 1501 and EMSP 1260

Co-requisite: EMSP 1291, EMSP 1355, EMSP 1356,  
EMSP 2260, and EMSP 2338

Type: TECH

**EMSP 1355 Trauma Management**

3:2:2

Knowledge and skills in the assessment and management of patients with traumatic injuries.

Prerequisite: TSI Reading requirement met;  
EMSP 1501 and EMSP 1260

Co-requisite: EMSP 1291, EMSP 1338, EMSP 1356,  
EMSP 2260, and EMSP 2338

Type: TECH

**EMSP 1356 Patient Assessment and Airway Management**

3:2:3

Knowledge and skills required to perform patient assessment, airway management, and artificial ventilation.

Prerequisite: TSI Reading requirement met;  
EMSP 1501 and EMSP 1260

Co-requisite: EMSP 1291, EMSP 1338, EMSP 1355,  
EMSP 2260, and EMSP 2338

Type: TECH

**EMSP 1501 Emergency Medical Technician-Basic**

5:3:8

Preparation for certification as an Emergency Medical Technician (EMT). Includes all the skills necessary to provide emergency medical care at a basic life support

level with an emergency service or other specialized services.

Prerequisite: TSI Reading requirement met and current American Heart Association-Health Care Provider CPR certification

Co-requisite: EMSP 1260

Type: TECH

#### **EMSP 2243 Assessment Based Management**

2:1:4

This course covers comprehensive, assessment based patient care management. Includes specific care when dealing with pediatric, adult, geriatric, and special-needs patients.

Prerequisite: TSI Reading requirement met; EMSP 1501, EMSP 1260, EMSP 1291, EMSP 1338, EMSP 1355, EMSP 1356, EMSP 2260, EMSP 2261, EMSP 2330, EMSP 2338, EMSP 2434, EMSP 2348 and EMSP 2444

Co-requisite: EMSP 2262 and EMSP 2264

Type: TECH

#### **EMSP 2260 Clinical-Emergency Medical Technology (EMT Paramedic)-AEMT**

2:0:9

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.

Prerequisite: TSI Reading requirement met; EMSP 1501 and EMSP 1260

Co-requisite: EMSP 1291, EMSP 1338, EMSP 1355, EMSP 1356, and EMSP 2338

Type: TECH

#### **EMSP 2261 Emergency Medical Technology-Paramedic Clinical Cardiology**

2:0:9

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.

Prerequisite: TSI Reading requirement met; EMSP 1501, EMSP 1260, EMSP 1291, EMSP 1338, EMSP 1355, EMSP 1356, EMSP 2260, EMSP 2338

Co-requisite: EMSP 2444, EMSP 2330 and EMSP 2434

Type: TECH

#### **EMSP 2262 Emergency Medical Technology-Paramedic Clinical**

2:0:9

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.

Prerequisite: TSI Reading requirement met; EMSP 1501, EMSP 1260, EMSP 1291, EMSP 1338, EMSP 1355, EMSP 1356, EMSP 2260, EMSP 2261, EMSP 2330, EMSP 2338, EMSP 2348, EMSP 3434, EMSP 2444

Co-requisite: EMSP 2264 and EMSP 2243

Type: TECH

#### **EMSP 2264 Emergency Medical Technology-Paramedic Clinical Field Experience**

2:0:14

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student

Prerequisite: TSI Reading requirement met; EMSP 1501, EMSP 1260, EMSP 1291, EMSP 1338, EMSP 1355, EMSP 1356, EMSP 2260, EMSP 2261, EMSP 2330, EMSP 2338, EMSP 2348, EMSP 3434, EMSP 2444

Co-requisite: EMSP 2262 and EMSP 2243

Type: TECH

#### **EMSP 2330 Special Populations**

3:3:1

Knowledge and skills necessary to assess and manage ill or injured patients in diverse populations to include neonatology, pediatrics, geriatrics and other related topics.

Prerequisite: TSI Reading requirement met; EMSP 1501, EMSP 1260, EMSP 1291, EMSP 1338, EMSP 1355, EMSP 1356, EMSP 2260, EMSP 2338

Co-requisite: EMSP 2261, EMSP 2348, EMSP 2434 and EMSP 2444

Type: TECH

#### **EMSP 2338 EMS Operations**

3:3:1

Knowledge and skills to safely manage multi-casualty incidents and rescue situations; utilize air medical resources; identify hazardous materials and other specialized incidents.

Prerequisite: TSI Reading requirement met; EMSP 1501, EMSP 1260, EMSP 1338, EMSP 1355, EMSP 1356, EMSP 2260, EMSP 2444, EMSP 2261

Co-requisite: EMSP 1291, EMSP 1338, EMSP 1355, EMSP 1356, EMSP 2260

Type: TECH

#### **EMSP 2348 Emergency Pharmacology**

3:3:0

A comprehensive course covering all aspects of the utilization of medications in treating emergency situations.

Prerequisite: TSI Reading requirement met; EMSP 1501, EMSP 1260, EMSP 1291, EMSP 1338, EMSP 1355, EMSP 1356, EMSP 2260, EMSP 2338

Co-requisite: EMSP 2261, EMSP 2330, EMSP 2434 and EMSP 2444

Type: TECH

#### **EMSP 2434 Medical Emergencies**

4:3:3

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.

Prerequisite: TSI Reading requirement met;  
EMSP 1501, EMSP 1260, EMSP 1291,  
EMSP 1338, EMSP 1355, EMSP 1356,  
EMSP 2260, EMSP 2338

Co-requisite: EMSP 2261, EMSP 2330, EMSP 2348  
and EMSP 2444

Type: TECH

**EMSP 2444 Cardiology**

4:3:3

Assessment and management of patients with cardiac emergencies. Includes single and multi-lead ECG interpretation.

Prerequisite: TSI Reading requirement met;  
EMSP 1501, EMSP 1260, EMSP 1291,  
EMSP 1338, EMSP 1355, EMSP 1356,  
EMSP 2260, EMSP 2338

Co-requisite: EMSP 2261, EMSP 2330, EMSP 2348  
and EMSP 2434

Type: TECH

## ENGINEERING (ENGR)

**ENGR 2301 Engineering Mechanics - Statics**

3:3:0

Basic theory of engineering mechanics, using calculus, involving the description of forces, moments, and couples acting on stationary engineering structures; equilibrium in two and three dimensions; free-body diagrams; friction; centroids; centers of gravity; and moments of inertia. This course is required in most fields of Engineering (Civil, Mechanical, Aerospace, Electrical, etc.).

Prerequisite: Credit for or concurrent enrollment in  
MATH 2414 and PHYS 2425

Type: ACAD

**ENGR 2302 Engineering Mechanics - Dynamics**

3:3:0

Basic theory of engineering mechanics, using calculus, involving the motion of particles, rigid bodies, and systems of particles; Newton's Laws; work and energy relationships; principles of impulse and momentum; application of kinetics and kinematics to the solution of engineering problems. This course is the second part of the Statics-Dynamics sequence.

Prerequisite: ENGR 2301

Type: ACAD

## ENGINEERING DESIGN (DFTG)

**DFTG 1405 Technical Drafting**

4:3:3

Introduction to the principles of drafting to include terminology and fundamentals, including size and shape descriptions, projections methods, geometric construction, sections and auxiliary views.

Prerequisite: Students entering the program must be  
TSI satisfied. Credit for or concurrent  
enrollment in DFTG 1409

Type: TECH

**DFTG 1409 Basic Computer-Aided Drafting**

4:3:3

An introduction to basic 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.

Prerequisite: Students entering the program must be  
TSI satisfied

Type: TECH

**DFTG 1410 Specialized Basic Computer-Aided  
Drafting (CAD)**

4:3:3

A supplemental course to Basic Computer-Aided Drafting using an alternative computer-aided drafting software (CAD) to create detail and working drawings.

Prerequisite: Students entering the program must be  
TSI satisfied. DFTG 1405 is  
recommended

Type: TECH

**DFTG 1417 Architectural Drafting, Residential**

4:3:3

Architectural drafting procedures, practices, terms, and symbols, including: Preparation of detailed working drawings for residential structures. Emphasis on light frame construction methods.

Prerequisite: Credit for or concurrent enrollment in  
DFTG 1409 and 1410

Type: TECH

**DFTG 1493 Special Topics in Civil Drafting and Civil  
Engineering CAD/CADD**

4:3:3

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.

Prerequisite: DFTG 1405 and 1409 OR ENGR 1304 for  
Construction Management Majors

Type: TECH

**DFTG 2338 Final Project—Advanced Drafting**

3:1:4

Capstone Project

A drafting course in which students participate in a comprehensive project from conception to conclusion. This is the capstone course for the Associate of Applied Science Degree in Engineering Design. The course is focused on actual industry work learning experiences completed independently or with teams, and in consultation with the instructor in selected drafting fields.

Prerequisite: DFTG 2419 and approval of Program  
Director

Type: TECH

**DFTG 2406 Machine Design**

4:3:3

Theory and practice of design. Projects in problem-solving, including press fit, bolted and welded joints,

and transmission components.

Prerequisite: DFTG 2419

Type: TECH

**DFTG 2407 Electrical Drafting**

4:3:3

A study of area lighting, control systems and power layouts, electrical and safety codes, load factors and distribution requirements.

Prerequisite: DFTG 1410 and 2419

Type: TECH

**DFTG 2419 Intermediate Computer-Aided Drafting**

4:3:3

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.

Prerequisite: DFTG 1405 and 1409

Type: TECH

**DFTG 2423 Pipe Drafting**

4:3:3

A study of pipe fittings, symbols, specifications and their applications to a piping process system. Creation of symbols and their usage in flow diagrams, plans, elevations, and isometrics.

Prerequisite: DFTG 2419

Type: TECH

**DFTG 2432 Advanced Computer-Aided Drafting**

4:3:3

Application of advanced CAD techniques.

Prerequisite: DFTG 1410 and DFTG 2419

Type: TECH

**DFTG 2436 Computer-Aided Drafting Programming**

4:3:3

Course Level: Advanced

Use of programming language to enhance CAD software.

Prerequisite: DFTG 2419

Type: TECH

**DFTG 2440 Solid Modeling/Design**

4:3:3

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.

Prerequisite: DFTG 2419

Type: TECH

**ENGINEERING DESIGN: CONSTRUCTION MANAGEMENT**

**CNBT 1210 Basic Construction Safety**

2:2:0

Basic job site construction safety in residential, commercial, and industrial construction.

Prerequisite: CNST 1361

Type: ACAD

**CNST 1361 Construction Management I**

3:3:0

Overview of the construction industry, job market, roles and responsibilities, and common project management tools.

Prerequisite: Students entering the program must be TSI satisfied

Type: ACAD

**CNST 2321 Mechanical and Electrical Systems**

3:3:0

Introduction to the planning and construction of mechanical and electrical systems common to construction projects. Basic calculations of cooling/heating loads, determination of temporary power demands and sizing of pipes, AC equipment and ducts.

Prerequisite: CNST 1361

Type: ACAD

**CNST 2341 Construction Documents**

3:3:0

This course will introduce to students the fundamentals of contract documents that will enable students to progress in their understanding of the commercial construction realm. Introduces bidding documents and contract documents commonly used in construction projects and understanding of the hierarchy/relationship among these documents. Topics include various delivery methods, typical contractual relationships, typical and critical issues, awarding contract, bonding insurance and change orders.

Prerequisite: CNST 2321

Type: ACAD

**CNST 2351 Construction Estimating I**

3:3:3

Introduction to the skills and tools necessary to prepare cost estimates for construction projects; focuses on blueprint reading and material quantity.

Prerequisite: CNST 1301 or ENGT 2304 and CNST 2321

Type: ACAD

**ENGR 1304 Engineering Graphics I**

3:3:3

Introduction to computer-aided drafting using CAD software and sketching to generate two and three-dimensional drawings based on the conventions of engineering graphical communication; topics include spatial relationships, multi-view projections and sectioning, dimensioning, graphical presentation of data, and fundamentals of computer graphics.

Prerequisite: MATH 1314—College Algebra or equivalent academic preparation TSI satisfied or concurrent enrollment in READ 0307

Type: ACAD

**ENGT 2304 Materials and Methods for Engineering Technology**

3:3:0

A continuation of the study of the nature, origin, and

properties of building materials, methods, and equipment for their integrated use in completing construction projects. A study of selecting and specifying materials with consideration for economy, quality and performance in the construction of modern buildings

Prerequisite: CNST 1361

Type: ACAD

#### **SRVY 1401 Introduction to Surveying**

4:3:3

An overview of the surveying profession. The history of surveying and its impact on the world. Review of the mathematics used in surveying. Introduction to the basic surveying equipment with emphasis on measurements. Instruction on surveying procedures and the limitations of errors. Calculation to determine precision and error of closure.

Prerequisite: DFTG 1493

Type: TECH

### **ENGLISH (ENGL)**

#### **ENGL 0306 Developmental Writing I**

3:3:2

Development of college-level writing focusing on idea generation, drafting, organization, revision, and utilization of standard English.

Prerequisite: TSI placement; however, this class must be passed with a C or better, or the student may retake the TSI at any time during the course.

#### **ENGL 0307 Developmental Writing II**

3:3:2

Development of college-level writing focusing on idea generation, drafting, organization, revision, and utilization of standard English

Prerequisite: ENGL 0306 or TSI placement. This class must be passed with a C or better, or the student may retake the TSI at any time during the course.

#### **ENGL 1301 Composition I**

3:3:0 Core 010

Intensive study of and practice in writing processes, from invention and researching to drafting, revising, and editing, both individually 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.

Prerequisite: TSI satisfied

Type: ACAD

#### **ENGL 1302 Composition II**

3:3:0 Core 010

Intensive study of and practice in the strategies and techniques for developing research-based expository and persuasive texts. Emphasis on effective and ethical 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.

Prerequisite: ENGL 1301

Type: ACAD

#### **ENGL 2311 Technical & Business Writing**

3:3:0

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.

Prerequisite: ENGL 1301 with a grade of "C" or better

Type: ACAD

#### **ENGL 2322 British Literature I**

3:3:0 Core 040 and 090

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.

Prerequisite: ENGL 1302

Type: ACAD

#### **ENGL 2323 British Literature II**

3:3:0 Core 040 and 090

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. *ENGL 2322 is not a prerequisite for this course.*

Prerequisite: ENGL 1302

Type: ACAD

#### **ENGL 2327 American Literature I**

3:3:0 Core 040 and 090

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.

Prerequisite: ENGL 1302

Type: ACAD

#### **ENGL 2328 American Literature II**

3:3:0 Core 040 and 090

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. *ENGL 2327 is not a prerequisite for this course*

Prerequisite: ENGL 1302  
Type: ACAD

**ENGL 2332 World Literature I**

3:3:0 Core 040 and 090

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.

Prerequisite: ENGL 1302  
Type: ACAD

**ENGL 2333 World Literature II**

3:3:0 Core 040 and 090

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. *ENGL 2332 is not a prerequisite for this course.*

Prerequisite: ENGL 1302  
Type: ACAD

**ENGL 2341 Forms of Literature**

3:3:0

The study of one or more literary genres including, but not limited to, poetry, fiction, drama, and film. The course topic and the nature and specific focus of a field trip (if any) vary by semester. May be repeated for credit.

Prerequisite: ENGL 1302  
Type: ACAD

## **FIRE SCIENCE (FIRS)**

**FIRS 1313 Fire Certification III**

3:2:2

One in a series of courses in basic preparation for a new career firefighter. *THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION*

Prerequisite: TSI Reading requirement met or minimum passing score on Pre-TASP; Must Be taken in conjunction with Firefighter Certification I, II, IV, V, VI and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course # 100

Type: TECH

**FIRS 1319 Fire Certification IV**

3:3:1

One in a series of courses in basic preparation for a new career firefighter. *THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION*

Prerequisite: TSI Reading requirement met or minimum passing score on Pre-TASP; Must Be taken in conjunction with Firefighter Certification I, II, III, V, VI and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course # 100

Type: TECH

**FIRS 1329 Fire Certification VI**

3:3:1

One in a series of courses in basic preparation for a new career firefighter. *THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION*

Prerequisite: TSI Reading requirement met or minimum passing score on Pre-TASP; Must Be taken in conjunction with Firefighter Certification I, II, III, IV, V and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course # 100

Type: TECH

**FIRS 1401 Fire Certification I**

4:3:3

One in a series of courses in basic preparation for a new career firefighter. *THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION*

Prerequisite: TSI Reading requirement met or minimum passing score on Pre-TASP; Must Be taken in conjunction with Firefighter Certification II, III, IV, V, VI and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course # 100

Type: TECH

**FIRS 1423 Fire Certification V**

4:3:3

One in a series of courses in basic preparation for a new career firefighter. *THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION*

Prerequisite: TSI Reading requirement met or minimum passing score on Pre-TASP; Must Be taken in conjunction with Firefighter Certification I, II, III, IV, VI and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course # 100

**FIRS 1433 Fire Certification VII**

4:2:5

One in a series of courses in basic preparation for a new career firefighter. *THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION*

Prerequisite: TSI Reading requirement met or minimum passing score on Pre-TASP; Must Be taken in conjunction with Firefighter Certification I, II, III, IV, V, VI and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course # 100

Type: TECH

**FIRS 1507 Fire Certification II**

5:4:3

One in a series of courses in basic preparation for a new career firefighter. *THIS COURSE MAY BE OFFERED ONLY BY INSTITUTIONS CERTIFIED AS A TRAINING FACILITY BY THE TEXAS COMMISSION ON FIRE PROTECTION*

Prerequisite: TSI Reading requirement met or minimum passing score on Pre-TASP; Must Be taken in conjunction with Firefighter Certification I, III, IV, V, VI and VII to satisfy the Texas Commission on Fire Protection (TCFP) curriculum for Basic Structural Fire Suppression, Course # 100

Type: TECH

**GEOGRAPHY (GEOG)****GEOG 1303 World Regional Geography**

3:3:0 Core 080 and 090

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 found in those regions. Course content may include one or more regions.

Prerequisite: TSI satisfied

Type: ACAD

**GEOLOGY (GEOL)**

*\* Note: To fulfill four-semester credit hour science WCJC Core Curriculum and graduation requirements, students must have credit for both GEOL lecture and GEOL lab.*

**GEOL 1103 Physical Geology Laboratory**

1:0:2 Core 090

Laboratory exercises involving the study of rocks, minerals and map interpretation.

Prerequisite: Credit for or concurrent enrollment in GEOL 1303

Type: ACAD

**GEOL 1104 Historical Geology Laboratory**

1:0:2 Core 090

Laboratory exercises include the study of plant and animal fossils and practical application of the principles of historical geology.

Prerequisite: Credit for or concurrent enrollment in GEOL 1304

Type: ACAD

**GEOL 1303 Physical Geology**

3:3:0 Core 030

Introduction to the materials, processes, and structure on the earth. Topics include continental drift, earthquakes, glaciations, mineral resources, mountain building, oceans, volcanoes, weathering, and erosion. GEOL 1103 must be taken with this course to fulfill the 4 semester credit hour requirement for natural science in a degree plan.

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

**GEOL 1304 Historical Geology**

3:3:0 Core 030

Introduction to the history of the earth and its past inhabitants. Provides a broad overview of fossil records as evidence of the various kinds of plants and animals that have existed on earth.

GEOL 1104 must be taken with this course to fulfill the 4 semester credit hour requirement for natural science in a degree plan.

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

**GOVERNMENT (GOVT)****GOVT 2305 Federal Government (Federal**3:3:0 **Constitution & Topics)**

Core 070

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.

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

**GOVT 2306 Texas Government (Texas Constitution**3:3:0 **& Topics)**

Core 070

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

Prerequisite: TSI satisfied in Reading and Writing; GOVT 2301 recommended

Type: ACAD

**HEALTH INFORMATION TECHNOLOGY (HITT)****HITT 1167 Practicum I Health Information**1:0:8 **Technology**

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

Prerequisite: HITT 1249, 1301, 1305, 1345, 1353 and MRMT 1307  
Type: TECH

**HITT 1249 Pharmacology**

2:2:0

Overview of the basic concepts of the pharmacological treatment of various diseases affecting major body systems.

Prerequisite: None

Type: TECH

**HITT 1301 Health Data Content and Structure**

3:2:2

Introduction to systems and processes for collecting, maintaining, and disseminating primary and secondary health related information including content of health record, documentation requirements, registries, indices, licensing, regulatory agencies, forms and screens.

Prerequisite: None

Type: TECH

**HITT 1305 Medical Terminology I**

3:3:0

Study of medical terms through word origin and structure. Introduction to abbreviations and symbols, surgical and diagnostic procedures and medical specialties.

Prerequisite: None

**HITT 1311 Health Information Systems**

3:3:1

Introduction to health IT standards, health-related data structures, software applications, and enterprise architecture in health care and public health.

Prerequisite: HITT 1301 and COSC 1301 (may be taken concurrently)

Type: TECH

**HITT 1345 Health Care Delivery Systems**

3:3:0

Examination of delivery systems including organization, financing, accreditation, licensure, and regulatory agencies.

Prerequisite: None

Type: TECH

**HITT 1353 Legal and Ethical Aspects of Health Information**

3:3:0

Concepts of privacy, security, confidentiality, ethics, health care legislation, and regulations relating to the maintenance and use of health information.

Prerequisite: HITT 1301

Type: TECH

**HITT 1355 Health Care Statistics**

3:3:1

General principles of health care statistics with an emphasis in hospital statistics. Skill development in computation and calculation of health data.

Prerequisite: HITT 1301 and 1311 (may be taken concurrently)

Type: TECH

**HITT 1441 Coding and Classification Systems**

4:2:4

Fundamentals of coding rules, conventions, and guidelines using clinical classification systems.

Prerequisite: HITT 1301 and 1305, BIOL 2401 and 2402, and concurrent enrollment in HPRS 2301

Type: TECH

**HITT 2166 Practicum II Health Information Technology**

1:0:8

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

Prerequisite: Concurrent enrollment in HITT 2339, 2435, and 2443

Type: TECH

**HITT 2167 Practicum III Health Information Technology**

1:0:8

Capstone Course

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student. *Course must be completed with a grade of "C" or better.*

Prerequisite: HITT 2339, 2435, and 2443

Type: TECH

**HITT 2339 Health Information Organization and Supervision**

3:3:0

Capstone Course

Principles of organization and supervision of human, financial, and physical resources. *Course must be completed with a grade of "C" or better.*

Prerequisite: HITT 1353 and 1355

Type: TECH

**HITT 2435 Coding and Reimbursement Methodologies**

4:2:4

Advanced coding techniques with emphasis on case studies, health records, and federal regulations regarding prospective payment systems and methods of reimbursement

Prerequisite: HITT 1311, 1355 and 1441, HPRS 2301

Type: TECH

**HITT 2443 Quality Assessment and Performance Improvement**

4:4:1

Study of quality standards and methodologies in the health information management environment. Topics include licensing, accreditation, compilation and presentation of data in statistical formats, quality management and performance improvement functions, utilization management, risk management, and medical staff data quality issues and approaches to assessing patient safety issues and implementation of quality management and reporting through electronic systems. Approaches to assessing patient safety issues and

implementation of quality management and reporting through electronic systems.

Prerequisite: HITT 1301 and 1311

Type: TECH

#### **HPRS 2301 Pathophysiology**

3:3:0

Study of the pathology and general health management of diseases and injuries across the life span. Topics include etiology, symptoms, and the physical and psychological reactions to diseases and injuries.

Prerequisite: BIOL 2402 or consent of instructor

Type: TECH

#### **MRMT 1307 Medical Transcription I**

3:2:4

Fundamentals of medical transcription with hands-on experience in transcribing physician dictation including basic reports such as history and physicals, discharge summaries, consultations, operative reports and other medical reports. Utilizes technology compatible with industry standards. Designed to develop speed and accuracy.

Prerequisite: HITT 1301 and 1305; ability to type 50 wpm or completion of POFT 1227

Type: TECH

### **HISTORY (HIST)**

#### **HIST 1301 U.S. History I**

3:3:0 Core 060

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.

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

#### **HIST 1302 U.S. History II**

3:3:0 Core 060

A survey of the social, political, economic, cultural, and intellectual history of the United States from the 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.

Prerequisite: TSI satisfied in Reading and Writing; HIST 1301 recommended

Type: ACAD

#### **HIST 2301 Texas History**

3:3:0 Core 080 and 090

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.

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

#### **HIST 2311 Western Civilization I**

3:3:0 Core 080 and 090

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.

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

#### **HIST 2312 Western Civilization II**

3:3:0 Core 080 and 090

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.

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

### **HUMAN SERVICES**

#### **CHLT 1209 Community Ethics**

2:2:0

Discussion of the role of ethics as it pertains to health care and community settings including ethical decision making.

Type: TECH

#### **CHLT 1302 Wellness and Health Promotion**

3:3:0

Overview of wellness theory and its application throughout the life span. Focus is on attitude development, impact of cultural beliefs, and communication of wellness. Includes health behavior theories and approaches to behavior modification.

Type: TECH

#### **CHLT 1340 Community Health Advocacy**

3:3:0

Study of local, regional and national health care resources. Identification of health organization, support groups, and health care delivery systems to be used for client referral. Activities include visits to various local

agencies and attendance/ participation in related activities.

Type: TECH

**CHLT 2166      Practicum/Field Experience –  
1:0:8            Community Health Services/Liaison/  
                         Counseling  
                         Capstone Course**

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.

Prerequisite: CHLT 1209, PSYT 1329, DAAC 1317, and consent of instructor

Type: TECH

**CMSW 1309      Problems of Children and Adolescents  
3:3:0**

Examine common problems of at-risk children and youth and evaluate effective intervention models. Topics include social, family, educational systems impact, juvenile delinquency, teen sexuality, and addictive behaviors.

Type: TECH

**DAAC 1317      Basic Counseling Skills  
3:3:0**

An overview of basic counseling skills. Presents the basic counseling skills necessary to develop an effective helping relationship with clients. Develops an understanding in group dynamics/theory necessary in skill development and application of group facilitation.

Prerequisite: CHLT 1209, PSYT 1329

Type: TECH

**DAAC 1319      Intro to Alcohol and Other Drug  
3:3:0            Addictions**

An overview of causes and consequences of addiction; the major drug classifications; and the counselor's code of ethics. Consequences of addiction, prevention, intervention, and treatment strategies as they relate to the individual, family, community, and society. Covers licensing requirements/ethical standards in the state of Texas for substance abuse counselors.

Type: TECH

**GERS 1342      Aging and Mental Health  
3:3:0**

Examination of current issues relating to mental health of older adults. Includes the theoretical and empirical foundations relevant to the psychological study of older adults. Theory and application of case management models and client referral processes are included.

Type: TECH

**PMHS 2260      Clinical/Psychiatric/Mental Health  
1:0:12            Services Tech  
                         Capstone Course**

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

Prerequisite: CHLT 1209, PSYT 1329, DAAC 1317, concurrent enrollment with practicum and /or consent of instructor

Type: TECH

**PSYT 1329      Interviewing and Communication Skills  
3:3:0**

Development of the basic communication skills necessary to develop an effective helping relationship with clients. Emphasis on importance of effective oral communications. Topics include counseling techniques such as intake interviewing, relationship building, and informed consent.

Type: TECH

**PSYT 2345      Principles of Behavior Management  
3:3:0            and Modification**

An analysis of behavior management and cognitive theories and techniques with emphasis on their applications.

Prerequisite: PSYC 2301

Type: TECH

**PSYT 2164      Practicum/Field Experience –Clinical  
1:0:8            Psychology  
                         Capstone Course**

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

Prerequisite: CHLT 1209, PSYT 1329, DAAC 1317, and/or consent of instructor

Type: TECH

**PSYT 2321      Crisis Intervention  
3:3:0**

Examination of crisis management and intervention theories in assisting clients in crisis situations. Topics include coping skills to increase potential reinstatement of equilibrium to an individual's lifestyle and suicide prevention.

Type: TECH

**PSYT 2335      Family Systems  
3:3:0**

An analysis of family relationships, marriage, and social change from historical and modern perspectives.

Type: TECH

**SCWK 1321      Orientation to Social Services  
3:3:0**

Introduction to the basic concepts, information, and practices within the field of social services. Topics include the historical development of social services; populations served by social service workers; and review of current treatment and/or services.

Type: TECH

**HUMANITIES (HUMA)**

**HUMA 1301      Introduction to Humanities  
3:3:0            Core 040 and 090**

An interdisciplinary, multi-perspective assessment of



cultural, political, philosophical, and aesthetic factors critical to the formulation of values and the historical development of the individual and society.

Prerequisite: TSI satisfied in Reading and Writing  
Type: ACAD

## KINESIOLOGY (PHED)

### **PHED 1103     Aerobics I**

1:0:3

Helps students assess their own fitness and learn how to exercise properly through instruction and participation in aerobic activities.

Prerequisite: None  
Type: ACAD

### **PHED 1105     Aerobics II**

1:0:3

Exercise program that provides guidance in the selection of activities for immediate and future needs through instruction in advanced aerobics..

Prerequisite: PHED 1103  
Type: ACAD

### **PHED 1107     Beginning Weight Lifting/Circuit Training**

1:0:3

Combines weight lifting with aerobic activities in a structured conditioning program that trains the whole body.

Prerequisite: None  
Type: ACAD

### **PHED 1110     Co-Ed Volleyball**

1:0:3

Open to individuals who wish to improve their personal skills in volleyball through supervised practices and game conditions.

Prerequisite: None  
Type: ACAD

### **PHED 1117     Advanced Weight Lifting/Circuit Training**

1:0:3

Combines weight lifting with aerobic activities in a structured conditioning program that trains the whole body.

Prerequisite: PHED 1107  
Type: ACAD

### **PHED 1122     Concepts of Baseball**

1:0:3

Open to talented individuals who wish to improve their personal skills in baseball through supervised practice and game conditions. May be taken for four semesters for credit.

Prerequisite: Consent of Instructor  
Type: ACAD

### **PHED 1123     Advanced Concepts of Baseball**

1:0:3

Open to talented individuals who wish to improve their personal skills in baseball through supervised practice and game conditions. Class may be taken for two semesters for credit.

Prerequisite: Consent of Instructor  
Type: ACAD

### **PHED 1124     Concepts of Rodeo**

1:0:3

Open to talented individuals who wish to improve their personal skills in the sport of rodeo. Enrollment is limited by facilities and availability of stock. May be taken for four semesters for credit. Open to rodeo team members only.

Prerequisite: Consent of Instructor  
Type: ACAD

### **PHED 1125     Advanced Concepts of Rodeo**

1:0:2

Open to talented individual who wish to improve their personal skills in the sport of rodeo. Enrollment is limited by facilities and availability of stock. Class may be taken for two semesters for credit

Prerequisite: Consent of Instructor  
Type: ACAD

### **PHED 1127     Concepts of Volleyball**

1:0:3

Open to talented individuals who wish to improve their personal skills in volleyball through supervised practice and game conditions. May be taken for four semesters for credit

Prerequisite: Consent of Instructor  
Type: ACAD

### **PHED 1128     Advanced Concepts of Volleyball**

1:0:3

Open to talented individuals who wish to improve their personal skills in volleyball through supervised practice and game conditions. Class may be taken two semesters for credit.

Prerequisite: Consent of Instructor  
Type: ACAD

### **PHED 1301     Introduction to Physical Fitness & Sport**

3:3:0

Orientation to the field of physical fitness and sport. Topics include the study and practices of activities and principles that promote physical fitness; acquaints those who plan to major in kinesiology with the nature and scope of this field of study. Includes the history, principles, and objectives of the field.

Prerequisite: TSI reading requirement met or concurrent enrollment in READ 0306 or 0307  
Type: ACAD

### **PHED 1304     Personal/Community Health**

3:3:0

Investigation of the principles and practices in relation to personal and community health. Designed to give students reliable information about their personal health and to aid them in using this information to safeguard their own health, to prevent health risks, and to deal with those problems they do encounter.

Prerequisite: TSI reading requirements met or concurrent enrollment in READ 0306 or 0307

Type: ACAD

**PHED 1306 First Aid**

3:3:0

Instruction in and practice of first aid techniques. Intent of this course is to help students feel more confident of their ability to provide temporary assistance in an emergency.

Prerequisite: TSI reading requirements met or concurrent enrollment in READ 0306 or 0307

Type: ACAD

**PHED 1346 Drug Use and Abuse**

3:3:0

Study of the use and abuse of drugs in today's society. Emphasizes the physiological, sociological, and psychological factors.

Prerequisite: TSI reading requirements met or concurrent enrollment in READ 0306 or 0307

Type: ACAD

## MATHEMATICS (MATH)

**MATH 0308 Beginning Algebra**

3:3:0

Topics in mathematics such as arithmetic operations, basic algebraic concepts and notation, geometry, and real and complex number systems. Designed to provide a foundation for the Intermediate Algebra course.

Prerequisite: TSI Placement. The student must earn a C or better to successfully exit the course or the student make re-take the TSI at any time.

Type: ACAD

**MATH 0312 Intermediate Algebra**

3:3:0

A study of relations and functions, inequalities, algebraic expressions and equations (absolute value, polynomial, radical, rational), with a special emphasis on linear and quadratic expressions and equations.

Prerequisite: MATH 0308 or TSI Placement. The student must earn a C or better to successfully exit the course or the student make re-take the TSI at any time.

Type: ACAD

**MATH 1314 College Algebra**

3:3:0 Core 020 and 090

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.

Prerequisite: TSI satisfied in Math

Type: ACAD

**MATH 1316 Trigonometry**

3:3:0 Core 020 and 090

In-depth study and applications of trigonometry including definitions, identities, inverse functions, solutions of equations, graphing, and solving triangles. Additional topics such as vectors, polar coordinates and parametric equations may be included.

Prerequisite: TSI satisfied in Math and: Minimum of one year high school algebra and one year of plane trigonometry or pre-calculus; **or** two years high school algebra; **or** any college-level MATH course (except MATH 1324, 1325, 1342); or consent of department head

Type: ACAD

**MATH 1324 Mathematics for Business & Social Sciences (Finite Mathematics)**

3:3:0 Core 020 and 090

The application of common algebraic functions, including polynomial, exponential, logarithmic, and rational, to problems in business, economics, and the social sciences are addressed. 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.

Prerequisite: TSI satisfied in Math

Type: ACAD

**MATH 1325 Calculus for Business & Social Sciences**

3:3:0 Core 020 and 090

This course is the basic study of limits and continuity, differentiation, optimization and graphing, and integration of elementary functions, with emphasis on applications in business, economics, and social sciences. This course is not a substitute for MATH 2413 – Calculus I

Prerequisite: MATH 1314 – College Algebra or MATH 1324 – Mathematics for Business & Social Sciences

Type: ACAD

**MATH 1342 Elementary Statistical Methods (Formerly known as Introduction to Statistics)**

3:3:0 Core 020 and 090

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.

Prerequisite: TSI satisfied in Math

Type: ACAD

**MATH 1348 Analytic Geometry (Formerly known as Analytic Geometry and Elementary Functions)**

Lines, circles, and other conic sections; transformation of coordinates; polar coordinates; and parametric equations.

Prerequisite: TSI satisfied in Math  
Type: ACAD

**MATH 1350 Fundamentals of Math I**

3:3:0 Core 020 and 090

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.

Prerequisite: MATH 1314 – College Algebra or any college level math course; or consent of department head

Type: ACAD

**MATH 1351 Fundamentals of Math II**

3:3:0 Core 020 and 090

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 (4 through 8) teacher certification.

Prerequisite: MATH 1350 – Fundamentals of Mathematics I; or MATH 1314 – College Algebra; or any college level mathematics course; or consent of department head

Type: ACAD

**MATH 2312 Pre-Calculus Math**

3:3:0 Core 020 and 090

In-depth combined study of algebra, trigonometry, and other topics for calculus readiness.

Prerequisite: MATH 1314 – College Algebra; or MATH 1316 – Trigonometry; or four years of high school math including trigonometry or pre-calculus; or consent of department head

Type: ACAD

**MATH 2318 Linear Algebra**

3:3:0

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.

Prerequisite: MATH 2414 - Calculus II

Type: ACAD

**MATH 2320 Differential Equations**

3:3:0 Core 020 and 090

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.

Prerequisite: MATH 2414 – Calculus II  
Type: ACAD

**MATH 2413 Calculus I**

4:4:0 Core 020 or 090

Limits and continuity; the Fundamental Theorem of Calculus; 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, and transcendental functions, with an application to calculation of areas.

Prerequisite: MATH 2312—Pre-Calculus Math; or credit for **both** MATH 1314 – College Algebra **and** MATH 1316 – Trigonometry; or consent of department head

Type: ACAD

**MATH 2414 Calculus II**

4:4:0 Core 090

Differentiation and integration of transcendental functions; parametric equations and polar coordinates; techniques of integration; sequences and series; improper integrals.

Prerequisite: TSI satisfied in Math and MATH 2413; or consent of department head

Type: ACAD

**MATH 2415 Calculus III**

4:4:0 Core 090

Advanced topics in calculus, 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.

Prerequisite: TSI satisfied in Math and MATH 2414; or consent of department head

Type: ACAD

**MUSIC (MUAP)**

**Applied Music Courses**

**MUAP 1120 Applied Music – Woodwind**

1:0.5:0

Individual lessons in piccolo, flute, oboe, bassoon, and all clarinets and saxophones. One-half hour of instruction and four and one-half practice hours required a week. May be repeated for four semesters for credit.

Prerequisite: Music major or consent of department head

Type: ACAD

**MUAP 1145 Applied Music – Brass**

1:0.5:0

Individual lessons in French horn, trumpet, trombone, euphonium, and tuba. One-half hour of instruction and four and one-half practice hours required a week. May be repeated for four semesters for credit.

Prerequisite: Music major or consent of department head  
Type: ACAD

**MUAP 1160 Applied Music – Percussion**

1:0.5:0  
Individual lessons in all primary percussion instruments. One-half hour of instruction and four and one-half practice hours required a week. May be repeated for four semesters for credit.

Prerequisite: Music major or consent of department head  
Type: ACAD

**MUAP 1169 Applied Music – Piano**

1:0.5:0 Private  
Individual lessons in piano. One-half hour of instruction and four and one-half practice hours required a week. May be repeated for four semesters for credit.

Prerequisite: Music major or consent of department head  
Type: ACAD

**MUAP 1222 Applied Music – Woodwind**

2:1:0  
Individual lessons in flute, oboe, bassoon, clarinet, and saxophone. One hour of instruction and nine practice hours required a week. May be repeated for four semesters for credit.

Prerequisite: Music major or consent of department head  
Type: ACAD

**MUAP 1246 Applied Music – Brass**

2:1:0  
Individual lessons in French horn, trumpet, trombone, euphonium, and tuba. One hour of instruction and nine practice hours required a week. May be repeated for four semesters for credit.

Prerequisite: Music major or consent of department head  
Type: ACAD

**MUAP 1260 Applied Music – Percussion**

2:1:0  
Individual lessons in all primary percussion instruments. One hour of instruction and nine practice hours required a week. May be repeated for four semesters for credit.

Prerequisite: Music major or consent of department head  
Type: ACAD

**MUAP 1270 Applied Music – Piano**

2:1:0 Private  
Individual lessons in piano. One hour of instruction and nine practice hours required a week. May be repeated for four semesters for credit.

Prerequisite: Music major or consent of department head  
Type: ACAD

**MUAP 1282 Applied Music – Voice**

2:1:0 Private  
Individual lessons in voice. One hour of instruction and nine practice hours required a week. May be repeated for four semesters for credit.

Prerequisite: Music major or consent of department head  
Type: ACAD

**MUSIC ENSEMBLE (MUEN)**

**MUEN 1125 Ensemble – Jazz Band**

1:0:3  
Emphasis on performing music from all the stylistic periods of jazz. Includes general jazz history and basic jazz improvisation. May be taken for two semesters for credit toward graduation. Standard jazz band instrumentation is chosen each semester by the instructor based on auditions. Open to any college student who has had experience playing an instrument in a standard jazz band.

Prerequisite: Ability to read music notation is essential  
Type: ACAD

**MUEN 1127 Ensemble – Pioneer Band**

1:0:4  
Performs concerts and represents the college at parades and special functions. Emphasis on the performance of serious band literature. May be taken for four semesters for credit toward graduation. Chair placement is determined by audition.

Prerequisite: Open to any college student who has had three years of high school band experience.  
Type: ACAD

**MUEN 1132 Ensemble – Piano**

1:0:3  
Designed for the student who plans to transfer and major or minor in piano with emphasis on two pianos, piano four hands, chamber music, and piano accompaniment. Emphasis on sight reading, piano technique, and interpretation of both original and specially arranged compositions for piano ensemble. May be taken four semesters for credit toward graduation.

Prerequisite: Consent of instructor.  
Type: ACAD

**MUEN 1141 Ensemble – WCJC Choir**

1:0:4  
WCJC Choir is required of all students who plan to major in voice at a four-year institution but is open to all students by audition. The choir engages in study and performance of choral literature from the Renaissance to the present. Performances consist of various campus programs, for civic organizations, and performances for the public at holidays, etc. May be taken for four semesters for credit toward graduation.

Prerequisite: Admission by audition  
Type: ACAD

**MUEN 1154 Ensemble – Chamber Singers**

1:0:3

Chamber Singers is composed of a select number of singers who have demonstrated a level of skill to successfully perform all styles of music including madrigals, chamber music, vocal jazz, show tunes, and more challenging contemporary chamber music. May be taken for four semesters for credit toward graduation.

Prerequisite: Admission by audition

Type: ACAD

**MUEN 2125 Ensemble—Jazz Band**

1:0:3

Emphasis on performing music from all the stylistic periods of jazz. Includes general jazz history and basic jazz improvisation. May be taken for two semesters for credit toward graduation. Standard jazz band instrumentation is chosen each semester by the instructor based on auditions.

Open to any college student who has had experience playing an instrument in a standard jazz band.

Prerequisite: Completion of two semesters of MUEN 1125

Type: ACAD

**MUSIC (MUSI)****MUSI 1159 Musical Theater I**

1:0:3 Or DRAM 1161

Study and performance of works from the musical theater repertoire.

Prerequisite: None

Type: ACAD

**MUSI 1181 Piano Class I**

1:0:3

Class instruction in the fundamentals of keyboard technique for beginning piano students. Music majors are given the opportunity to enroll before the class is open to others.

Prerequisite: Consent of department head

Type: ACAD

**MUSI 1182 Piano Class II**

1:0:3

Class instruction in the fundamentals of keyboard technique for beginning piano students.

Prerequisite: Grade of "C" or better in MUSI 1181

Type: ACAD

**MUSI 1183 Voice Class I**

1:1:1

Class instruction in the fundamentals of singing including breathing, tone production, and diction. Designed for students with little or no previous voice training.

Prerequisite: None

Type: ACAD

**MUSI 1211 Music Theory I**

2:2:1

Introduction to the fundamental materials of music.

Analysis and writing of tonal melody and diatonic harmony up to and including the chords. Analysis and writing of small compositional forms. Correlated study at the keyboard. Music majors should enroll in piano class as part of their theory instruction.

Prerequisite: Concurrent enrollment in MUSI 1216; grade of "C" or better in MUSI 1301

Type: ACAD

**MUSI 1212 Music Theory II**

2:2:1

Continuation of MUSI 1211, Analysis and writing of tonal melody and diatonic harmony up to and including the chords. Analysis and writing of small compositional forms. Correlated study at the keyboard. Music majors should enroll in class piano as part of their theory instruction.

Prerequisite: Concurrent enrollment in MUSI 1217; grade of "C" or better in MUSI 1211 and 1216

Type: ACAD

**MUSI 1216 Sight Singing and Ear Training I**

2:2:1

Singing tonal music in treble, bass, alto, and tenor clefs. Aural study, including dictation, of rhythm, melody, and diatonic harmony. Coordinated with materials in MUSI 1211.

Prerequisite: Concurrent enrollment in MUSI 1211

Type: ACAD

**MUSI 1217 Sight Singing and Ear Training II**

2:2:1

Singing tonal music in treble, bass, alto, and tenor clefs. Aural study, including dictation, of rhythm, melody, and diatonic harmony. Coordinated with materials in MUSI 1212. Extensive use of the computer in aural skill development.

Prerequisite: Concurrent enrollment in MUSI 1212

Type: ACAD

**MUSI 1301 Fundamentals of Music I**

3:3:0

Introduction to the basic elements of music theory for non-music majors: scales, intervals, keys, triads, elementary ear training, keyboard harmony, notation, meter, and rhythm. Highly Recommended for incoming music majors. (Does not apply to a music major degree)

Prerequisite: Consent of department head

Type: ACAD

**MUSI 1304 Foundations of Music**

3:3:0

Study of the fundamentals of music for prospective classroom teachers with an introduction to melodic, rhythmic, and harmonic elements. Emphasis on participation in singing and reading music

Prerequisite: TSI satisfied in Reading or concurrent enrollment in READ 0307

Type: ACAD

**MUSI 1306 Music Appreciation**

3:3:0

Core 050 and 090

Understanding music through the study of cultural periods, major composers, and musical elements. Illustrated with audio recordings and live performances. (Does not apply to a music major degree.)  
Prerequisite: TSI satisfied in Reading  
Type: ACAD

**MUSI 1307 Music Literature**

**3:3:0** Core 050 and 090

Survey of the principal musical forms and cultural periods as illustrated in the literature of major composers.

Prerequisite: TSI satisfied in Reading

Type: ACAD

**MUSI 1308 Survey of Music Literature I**

**3:3:0**

Survey of the principal musical forms and cultural periods as illustrated in the literature of major composers.

Prerequisite: TSI satisfied in Reading and Writing; consent of instructor

Type: ACAD

**MUSI 1309 Survey of Music Literature II**

**3:3:0**

Continuation of MUSI 1308. Survey of the principal musical forms and cultural periods as illustrated in the literature of major composers.

Prerequisite: TSI satisfied in Reading met and MUSI 1308 or consent of instructor

Type: ACAD

**MUSI 1310 American Music**

**3:3:0** Core 050 and 090

General survey of various styles of music in America. Topics may include jazz, ragtime, folk, rock, and contemporary art music.

Prerequisite: TSI satisfied in Reading

Type: ACAD

**MUSI 2181 Piano Class III**

**1:0:3**

Class instruction in the fundamentals of keyboard technique for beginning piano students. Continuation, with increased difficulty, of the development of keyboard skills begun in the freshman courses of MUSI 1181 and 1182. Includes all major and three minor scales, triad inversions and cadences in three positions, harmonizations of melodies, sight-reading, transposition and repertoire.

Prerequisite: Grade of "C" or better in MUSI 1182

Type: ACAD

**MUSI 2182 Piano Class IV**

**1:0:3**

Class instruction in the fundamentals of keyboard technique for beginning piano students. Continuation, with increased difficulty, of the development of keyboard skills begun in the freshman courses of MUSI 1181 and 1182 and continued with MUSI 2281.

Includes all major and three minor scales, triad inversions and cadences in three positions, harmonization of melodies, sight-reading, transposition and repertoire.

Prerequisite: Grade of "C" or better in MUSI 2181

Type: ACAD

**MUSI 2211 Music Theory III**

**2:2:1**

Advanced harmony part writing and keyboard analysis and writing of more advanced tonal harmony including chromaticism and extended tertian structures. Introduction to 20th century compositional procedures and survey of the traditional large forms of composition. Correlated study at the keyboard.

Prerequisite: Concurrent enrollment in MUSI 2216; Grade of "C" or better in MUSI 1212 and 1217

Type: ACAD

**MUSI 2212 Music Theory IV**

**2:2:1**

(Continuation of MUSI 2211) Advanced harmony part writing and keyboard analysis and writing of more advanced tonal harmony including chromaticism and extended tertian structures. Introduction to 20th century compositional procedures and survey of the traditional large forms of composition. Correlated study at the keyboard.

Prerequisite: Grade of "C" or better in MUSI 2211

Type: ACAD

**MUSI 2216 Sight Singing and Ear Training III**

**2:2:1**

Singing more difficult tonal music including modal, ethnic, and 20th century materials. Aural study, including dictation of more complex rhythm, melody, chromatic harmony, and extended tertian structures.

Prerequisite: Concurrent enrollment in MUSI 2211

Type: ACAD

**MUSI 2217 Sight Singing and Ear Training IV**

**2:2:1**

Singing more difficult tonal music including modal, ethnic, and 20th century materials. Aural study, including dictation of more complex rhythm, melody, chromatic harmony, and extended tertian structures.

Prerequisite: Concurrent enrollment in MUSI 2212

Type: ACAD

**NUCLEAR POWER TECHNOLOGY (NUCP)**

**CETT 1409 DC-AC Circuits**

**4:3:3**

Fundamentals of DC circuits and AC circuits operation including Ohm's law, Kirchoff's laws, networks, transformers, resonance, phasors, capacitive and inductive and circuit analysis techniques.

Prerequisite: ELPT 1370 or PTAC 1302

Type: TECH

**ENER 1350 Overview of Energy Industry**

3:3:0

Introduction to the major sectors of the energy industry. Includes a comparison of energy industry careers. The student will be introduced to the equipment and operating systems used to generate electric power from a variety of energy sources. Special attention is given to practical application of the principles of mathematics and physics used in the plant environment.

Prerequisite: TSI Requirements met

Type: TECH

**INTC 1450 Digital Measurement and Controls**

4:3:3

Basic measurement control instrumentation. This includes movement of digital data through common systems employing parallel and serial transfers. This course also includes the study, and application of basic digital measurement and control concepts used in the power generation, and process control industry. The course will also feature an integrated lab using typical test instrumentation, simulation techniques, and equipment capability to demonstrate the basics of Foundation Field bus, Profibus, and HART technologies.

Prerequisite: PTAC 1432 Instrumentation

Type: TECH

**NUCP 1370 Nuclear Fundamentals I**

3:3:0

Introduces the student to theory and systems that are foundational to nuclear power plants. Theory topics include nuclear physics, nuclear fission, neutron life cycle, heat transfer, fluid flow, radiation detection and properties of materials used in nuclear plants. Basic overview of specific systems associated with the primary side of a nuclear power plant is included.

Prerequisite: ELPT 1370 or PTAC 1302

Type: TECH

**NUCP 1371 Math and Chemistry Fundamentals for Nuclear Power**

3:3:0

This course teaches algebra, geometry, and trigonometry used at nuclear power plants. It also teaches water chemistry control basics and reactor water chemistry fundamentals including radiochemistry.

Prerequisite: TSI satisfied in Reading and Math

Type: TECH

**NUCP 1380 Cooperative Education**

3:1:20

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.

Prerequisite: Requires consent of Department Head

Type: TECH

**NUCP 1471 Nuclear Fundamentals II**

4:4:0

This second part introduces basic concepts associated with power plants and overviews of specific systems associated with the secondary side of a nuclear power plant. Includes studies on lubrication, diesel engines, pipe supports, heating and ventilation, valve operations, filters and strainers, pumps, air compressors, and steam traps. Most of this course is general in nature to all power plants but some aspects are specific to nuclear power plants like radioactive waste and fuel handling systems.

Prerequisite: ELPT 1370 or PTAC 1302, NUCP 1370 or concurrent enrollment

Type: TECH

**NUCP 1472 Nuclear Power Plant Organization and Processes**

4:3:2

Introduces worker responsibilities specific to nuclear power plants including nuclear security, quality assurance, foreign material exclusion, radiation protection, emergency response, plant access, equipment lock out for maintenance, human performance tools and significant industry events. Includes lab.

Prerequisite: ELPT 1370 or PTAC 1302

Type: TECH

**NUCP 2470 Nuclear Power Plant Systems I**

4:3:2

Study of components and systems used in nuclear power plants and their relationship to protecting the reactor core. Topics include valve packing and gland adjustment, electrical safety, electrical switchgear components, procedures, acid and caustic transfer, various cooling water systems, steam systems, electrical distribution and more. Includes lab.

Prerequisite: ELPT 1370 or PTAC 1302; NUCP 1370 and 1471

Type: TECH

**NUCP 2471 Nuclear Power Plant Systems II**

4:3:2

Capstone Course

Study of systems used in nuclear power plants and their association with the reactor core. Included is instruction on plant lighting, various cooling water systems, diesel generators, freeze protection, chemical and oily waste and more. Also includes instruction on some safety related nuclear power plant systems. Includes lab.

Prerequisite: NUCP 1370, NUCP 1471 and NUCP 2470

Type: TECH

**INTC 1457 AC/DC Motor Control**

4:3:3

A study of electric motors and motor control devices common to a modern industrial environment. A presentation of motor characteristics with emphasis on starting, speed control, and stopping systems.

Prerequisite: CETT 1409; INTC 1450; ELMT 2437 (for NPT-Electrical Technician) or PTAC 2436 (for NPT-Instrumentation and Control Technician)

Co-requisite: Credit for or concurrent enrollment in ELMT 2441 (for NPT-Electrical Technician) or ELMT 2452 (for NPT Instrumentation and Control Technician)  
Type: TECH

**ELMT 2437 Electronic Troubleshooting, Service, & Repair**  
4:3:3

In-depth coverage of electronic systems, maintenance, troubleshooting, and repair. Topics include symptom identification, proper repair procedures, repair checkout, and preventative maintenance. Emphasis on safety and use of test equipment. This is a capstone course.

Prerequisite: PTAC 1432

Co-requisite: Credit for or concurrent enrollment in CETT 1409, and INTC 1450

Type: TECH

**ELMT 2452 Power Generation Instrumentation**  
4:3:3

Study of the instruments and control systems used in the power generation industry including terminology, power generation variables, piping and instrumentation diagrams (P&ID), control loop diagrams, and basic troubleshooting.

Prerequisite: CETT 1409; INTC 1450; PTAC 2436

Co-requisite: Credit for or concurrent enrollment in INTC 1457

Type: TECH

**ELMT 2441 Electromechanical Systems**  
4:3:3

Application of electromechanical systems. Emphasizes programmable control devices and solid state systems. Study of various electromechanical systems used in the power generation industry.

Prerequisite: CETT 1409; INTC 1450; ELMT 2437

Co-requisite: Credit for or concurrent enrollment in INTC 1457

Type: TECH

## NURSING (RNSG)

**RNSG 1161 Clinical-I – Registered Nursing/Registered Nurse (Level 1)**  
1:0:4

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.

Prerequisite: Admission to the ADN program

Co-requisite: RNSG 1170, 1171, 1471, 1271

Type: TECH

**RNSG 1162 Clinical – Registered Nursing/Registered Nurse (Transition)**  
1:0:3

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.

Prerequisite: Admission to the LVN-ADN Transition program

Co-requisite: RNSG 1172, 1170, 2371

Type: TECH

**RNSG 1170 Introduction to Health Care Concepts**  
1:1:0

An introduction to concept-based learning with emphasis on selected pathophysiological concepts with nursing applications. Concepts include acid-base balance, fluid and electrolytes. Immunity, gas exchange, perfusion, metabolism, coping, and tissue integrity.

Prerequisite: Admission to the ADN program

Co-requisite: RNSG 1171, 1471, 1161, 1271

Type: TECH

**RNSG 1171 Professional Nursing Concepts I**  
1:1:0

Introduction to professional nursing concepts and exemplars within the professional nursing roles: Members of Profession, Provider of Patient-Centered Care, Patient Safety Advocate, and Member of the Health Care Team. Content includes clinical judgment, communication, ethical-legal, evidence-based practice, health promotion, informatics, patient-centered care, patient education, professionalism, safety, and team/collaboration. Emphasizes role development of the professional nurse. This course lends itself to a concept-based approach.

Prerequisite: Admission to the ADN program

Co-requisite: RNSG 1170, 1471, 1271, 1161

Type: TECH

**RNSG 1172 Professional Nursing Competencies**  
1:0:4

Development of professional nursing competencies in the care of diverse patients throughout the lifespan. Emphasizes psychomotor skills and clinical reasoning in the performance of nursing procedures related to the concepts of: clinical judgment, comfort, elimination, fluid and electrolytes, nutrition, gas exchange, safety, functional ability, immunity, metabolism, mobility, tissue integrity. Includes health assessment and medication administration. The course lends itself to a concept-based approach.

Prerequisite: Admission to the LVN-ADN transition program

Co-requisite: RNSG 1170, 1162, 2371

Type: TECH

**RNSG 1271 Professional Nursing Competencies**  
2:0:8

Development of professional nursing competencies in the care of diverse patients throughout the lifespan. Emphasizes psychomotor skills and clinical reasoning in the performance of nursing procedures related to the concepts of: clinical judgment, comfort, elimination, fluid and electrolytes, nutrition, gas exchange, safety, functional ability, immunity, metabolism, mobility, tissue integrity. Includes health assessment and medication administration. This course lends itself to a concept-based approach.



Prerequisite: Admission to the ADN program  
 Co-requisite: RNSG 1170, 1171, 1471, 1161  
 Type: TECH

**RNSG 1471 Health Care Concepts I**

4:3:4

In-depth coverage of foundational health care concepts with application through selected exemplars. Concepts include comfort, diversity, elimination, functional ability, human development, mobility, nutrition, sensory perception, sleep, thermoregulation, grief, and tissue integrity. Emphasizes development of clinical judgment skills in the beginning nurse. This course lends itself to a concept-based approach

Prerequisite: RNSG 1170, 1171, 1271, 1161  
 Type: TECH

**RNSG 2172 Professional Nursing Concepts II**

1:1:0

Expanding professional nursing concepts and exemplars within the professional nursing roles. Applying concepts of clinical judgment, communication, ethical-legal, evidence-based practice, patient-centered care, professionalism, safety, and team/collaboration through exemplars presented in the HCC course. Introduces concept of leadership and management. Emphasizes role development of the professional nurse. This course lends itself to a concept-based approach

Prerequisite: RNSG 1170, 1171, 1471, 1271, 1161  
 Co-requisite: RNSG 2572, 2362  
 Type: TECH

**RNSG 2173 Professional Nursing Concepts III**

1:1:0

Application of professional nursing concepts and exemplars within the professional nursing roles. Utilizes concepts of clinical judgment, ethical-legal, evidence-based practice, patient-centered care, professionalism, safety, and team/collaboration. Introduces the concept of quality improvements and health care organizations. Incorporates concepts into role development of the professional nurse. This course lends itself to a concept-based approach.

Prerequisite: RNSG 1170, 1171, 1471, 1271, 1161, 2572, 2172, 2362  
 Co-requisite: RNSG 2573, 2363  
 Type: TECH

**RNSG 2174 Professional Nursing Concepts IV**

1:1:0

Integration of professional nursing concepts and exemplars within the professional nursing roles. Synthesizes concepts of clinical judgment, ethical-legal, evidence-based practice, leadership and management, patient-centered care, professionalism, safety, and team/collaboration through exemplars presented in the HCC course. Emphasizes concept of quality improvement and introduces health policy. Incorporates concepts into role development of the professional nurse. This course lends itself to a concept-based approach

Prerequisite: RNSG 1170, 1171, 1471, 1271, 1161, 2572, 2172, 2362, 2173, 2573, 2363

Co-requisite: RNSG 2574, 2360  
 Type: TECH

**RNSG 2360 Clinical – Registered Nursing/Registered Nurse (Level 4)**

3:0:12

Capstone Course

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

Prerequisite: RNSG 1170, 1171, 1471, 1271, 1161, 2572, 2172, 2362, 2173, 2573, 2363  
 Co-requisite: RNSG 2574, 2174  
 Type: TECH

**RNSG 2362 Clinical – Registered Nursing/Registered Nurse (Level 2)**

3:0:12

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

Prerequisite: RNSG 1170, 1171, 1471, 1271, 1161  
 Co-requisite: RNSG 2572, 2172  
 Type: TECH

**RNSG 2363 Clinical – Registered Nursing/Nurse (Level 3)**

3:0:12

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

Prerequisite: RNSG 1170, 1171, 1471, 1271, 1161, 2572, 2172, 2362  
 Co-requisite: RNSG 2573, 2173  
 Type: TECH

**RNSG 2371 Concept-Based Transition to Professional Nursing Practices**

3:3:0

Integration of previous health care knowledge and skills into the role development of the professional nurse as a provider of patient-centered care, patient safety advocate, member of the health care team, and member of the profession. Emphasis is on clinical decision-making for patients and their families. Review of selected health care and professional nursing concepts with application through exemplars. Health care concepts include comfort, diversity, elimination, functional ability, human development, mobility, nutrition, sensory perception, sleep, coping, thermoregulation, tissue integrity, acid-based balance, clotting, cognition, fluid and electrolyte balance, gas exchange, immunity, metabolism, nutrition, grief, and perfusion. Professional nursing concepts include clinical judgment, communication, ethical-legal, evidenced-based practice, health promotion, informatics, patient-centered care, patient education, professionalism, safety, and team/collaboration. Introduces concept of leadership and management. This course lends itself to a concept-based approach.

Prerequisite: Admission to the LVN-ADN Transition Program  
 Co-requisite: RNSG 1170, 1171, 1162  
 Type: TECH

**RNSG 2572 Health Care Concepts II**

5:4:4

In-depth coverage of health care concepts with application through selected exemplars. Concepts include acid-base balance, coping, clotting, cognition, fluid and electrolytes, gas exchange, immunity, metabolism, nutrition, comfort, and perfusion. Provides continuing opportunities for development of clinical judgment skills. The course lends itself to a concept-based approach.

Prerequisite: RNSG 1170, 1171, 1471, 1271, 1161

Co-requisite: RNSG 2172, 2362

Type: TECH

**RNSG 2573 Health Care Concepts III**

5:4:4

In-depth coverage of health care concepts with nursing application through selected exemplars. Concepts include cellular regulation, end of life, immunity, interpersonal relationships, human development, intracranial regulation, mood/affect, comfort, sexuality, mobility, and reproduction. Provides continuing opportunities for development of clinical judgment skills. The course lends itself to a concept-based approach.

Prerequisite: RNSG 1170, 1171, 1471, 1271, 1161, 2572, 2172, 2362

Co-requisite: RNSG 2173, 2363

Type: TECH

**RNSG 2574 Health Care Concepts IV**

5:4:4 Capstone Course

In-depth coverage of advanced health care concepts with nursing application through selected exemplars. Concepts include cognition, immunity, clotting, fluid and electrolyte balance, gas exchange, metabolism, nutrition, perfusion, coping, tissue integrity, and interpersonal relationships. Continuing development of clinical judgment with integration of all program concepts. The course lends itself to a concept-based approach.

Prerequisite: RNSG 1170, 1171, 1471, 1271, 1161, 2572, 2172, 2362, 2173, 2573, 2363

Co-requisite: RNSG 2174, 2360

Type: TECH

**OFFICE ADMINISTRATION****ACNT 1303 Introduction to Accounting I**

3:2:2

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.

Prerequisite: None

Type: TECH

**ACNT 1311 Introduction to Computerized Accounting**

3:2:2

Introduction to utilizing the computer in maintaining accounting records, with primary emphasis on a general

ledger package using QuickBooks.

Prerequisite: ACNT 1303 or ACCT 2301

Type: TECH

**MRKG 1301 Customer Relationship Management**

3:3:0

General principles of customer relationship management including skills, knowledge, attitudes, and behaviors. This course also includes job-seeking skills.

Prerequisite: None

Type: TECH

**PBAD 2339 Human Resource Management in the Public Sector**

3:3:0

Examination of human resource management in the public sector with an emphasis on civil service, merit systems, and labor law. Topics include recruiting, selecting, training, compensating, and appraising employees.

Prerequisite: TSI satisfied in Reading

Type: TECH

**POFI 1349 Spreadsheets**

3:2:2

Skill development in concepts, procedures, and application of spreadsheets (Microsoft Office Excel) for business.

Prerequisite: None

Type: TECH

**POFI 2301 Word Processing**

3:2:2

In-depth coverage of word processing software (Microsoft Office Word) focusing on business applications.

Prerequisite: TSI satisfied in Reading; keyboarding skills recommended

Type: TECH

**POFI 2331 Desktop Publishing**

3:2:2

In-depth coverage of desktop publishing terminology, text editing, and use of design principles. Emphasis on layout techniques, graphics, multiple page displays, and business applications. Microsoft Office Word, PowerPoint, and Publisher software will be used.

Prerequisite: Proficiency in word processing software

Type: TECH

**POFT 1227 Introduction to Keyboarding**

2:1:2

Skill development in keyboarding techniques. Emphasis on the development of acceptable speed and accuracy.

Prerequisite: None

Type: TECH

**POFT 1301 Business English**

3:3:0

Introduction to a practical application of basic language usage skills with emphasis on fundamentals of writing and editing for business.

Prerequisite: TSI satisfied in Reading  
Type: TECH

**POFT 1309 Administrative Office Procedures I**

3:3:0

Study of current office procedures, duties, and responsibilities applicable to an office environment.

Prerequisite: None  
Type: TECH

**POFT 1313 Professional Workforce Preparation**

3:2:2 Capstone Course

Preparation for career success including ethics, interpersonal relations, professional attire, and advancement.

Prerequisite: POFT 1309  
Type: TECH

**POFT 1321 Business Math**

3:3:0

Fundamentals of business mathematics including analytical and critical thinking skills.

Prerequisite: None  
Type: TECH

**PARALEGAL STUDIES (LGLA)**

**LGLA 1303 Legal Research**

3:3:0

Presents legal research techniques emphasizing the paralegal's role.

Prerequisite: TSI satisfied in Reading  
Type: TECH

**LGLA 1305 Legal Writing**

3:3:0

Fundamentals of legal writing techniques including case and fact analysis, citation formats, and legal writing styles emphasizing the paralegal's role in legal writing.

Prerequisite: TSI satisfied in Writing  
Type: TECH

**LGLA 1313 Introduction to Paralegal Studies**

3:3:0

An overview of the paralegal profession including professional regulation, trends and issues, ethical obligations, and the paralegal's role in the delivery of legal services.

Prerequisite: None  
Type: TECH

**LGLA 1345 Civil Litigation**

3:3:0

Presents fundamental concepts and procedures of civil litigation including pretrial, trial, and post-trial phases of litigation and emphasizes the paralegal's role in civil litigation.

Prerequisite: None  
Type: TECH

**LGLA 1351 Contracts**

3:3:0

Presents fundamental concepts of contract law including formation, performance, and enforcement of contracts under the common law and the Uniform Commercial Code with emphasis on the paralegal's role in contract law.

Prerequisite: None  
Type: TECH

**LGLA 1353 Wills, Trusts, and Probate Administration**

3:3:0

This course presents fundamental concepts of the law of wills, trusts, and probate administration emphasizing the paralegal's role.

Prerequisite: None  
Type: TECH

**LGLA 1355 Family Law**

3:3:0

Fundamental concepts of family law including formal and informal marriages, divorce, annulment, marital property, and the parent-child relationship with emphasis on the paralegal's role in family law.

Prerequisite: None  
Type: TECH

**LGLA 2307 Law Office Management**

3:3:0

This course presents the fundamentals of principles and structure of management, administration, and substantive systems in the law office including law practice technology as applied to paralegals.

Prerequisite: None  
Type: TECH

**LGLA 2309 Real Property**

3:3:0

Presents fundamental concepts of real property law including the nature of real property, rights and duties of ownership, land use, voluntary and involuntary conveyances, and the recording of and searching for real estate documents emphasizing the paralegal's role in real property law.

Prerequisite: None  
Type: TECH

**LGLA 2313 Criminal Law and Procedure**

3:3:0

Fundamental concepts of criminal law and procedure from arrest to final disposition, including principles of federal and state law emphasizing the role of the paralegal in the criminal justice system.

Prerequisite: None  
Type: TECH

**LGLA 2388 Internship-Paralegal/Legal Assistant**

3:1:10

Capstone Course

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.

Prerequisite: Successful completion of at least 21 semester credit hours of Paralegal Studies coursework  
Type: TECH

### PHILOSOPHY (PHIL)

#### PHIL 1301 Introduction to Philosophy I

3:3:0 Core 040 and 090

A study of major issues in philosophy and/or the work of major philosophical figures in philosophy. Topics in philosophy may include theories of reality, theories of knowledge, theories of value, and their practical applications.

Prerequisite: Concurrent enrollment or completion of ENGL 1301

Type: ACAD

### PHYSICAL THERAPIST ASSISTANT (PTHA)

#### PTHA 1321 Pathophysiology

3:3:0

Study of the pathophysiology of diseases/conditions commonly encountered in physical therapy.

Prerequisite: BIOL 2401, 2402, PTHA 2205 and 1360

Type: TECH

#### PTHA 1360 Clinical Physical Therapist Assistant I

3:0:15

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.

Prerequisite: PTHA 2205

Type: TECH

#### PTHA 1409 Introduction to Physical Therapy

4:3:4

Introduction to the profession of physical therapy and the role of the physical therapist assistant. Includes the application of basic patient handling, functional skills, communication, and selected data collection techniques.

Prerequisite: Admission to the PTA program

Type: TECH

#### PTHA 1413 Functional Anatomy

4:3:4

The relationship of the musculoskeletal and neuromuscular systems to normal and abnormal movement.

Prerequisite: Admission to the PTA program

Type: TECH

#### PTHA 1531 Physical Agents

5:4:4

Biophysical principles, physiological effects, intervention efficacy and application of physical agents.

Prerequisite: PTHA 1409, 1413

Type: TECH

#### PTHA 2201 Essentials of Data Collection

2:1:4

Data collection techniques used to prepare the physical therapist assistant to assist in patient/client management.

Prerequisite: PTHA 1409, 1413

Type: TECH

#### PTHA 2205 Neurology

2:2:0

Study of neuroanatomy and neurophysiology as it relates to neurological conditions.

Prerequisite: PTHA 1531, 2201, 2409

Type: TECH

#### PTHA 2339 Professional Issues

3:3:0

Capstone Course

Engages the student in the discussion of professional issues and behaviors related to clinical practice and which prepares the student for transition into the workforce.

Prerequisite: PTHA 1321, 2431, 2435

Type: TECH

#### PTHA 2360 Clinical Physical Therapist Assistant II

3:0:15

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.

Prerequisite: PTHA 1321, 1360, 2431, 2435

Type: TECH

#### PTHA 2409 Therapeutic Exercise

4:3:4

Concepts, principles, and application of techniques related to therapeutic exercise and functional training.

Prerequisite: PTHA 1409, 1413

Type: TECH

#### PTHA 2431 Management of Neurological Disorders

4:3:4

Advanced course integrating previously learned and new skills/techniques into the comprehensive rehabilitation of selected neurological disorders.

Prerequisite: PTHA 1360, 2205

Type: TECH

#### PTHA 2435 Rehabilitation Techniques

4:3:4

Comprehensive rehabilitation of selected diseases and disorders. Advanced course integrating previously learned and new skill/techniques into the comprehensive rehabilitation of selected musculoskeletal, neuromuscular, cardiopulmonary, and integumentary disorders.

Prerequisite: PTHA 1360, 2205

Type: TECH

#### PTHA 2460 Clinical Physical Therapist Assistant III

4:0:15

Capstone Course

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.

Prerequisite: PTHA 2360

Type: TECH

## PHYSICS (PHYS)

### **PHYS 1401 College Physics I**

4:3:2 Core 030

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 these concepts.

Prerequisite: Math 1314, 1316, or MATH 2312

Type: ACAD

### **PHYS 1402 College Physics II**

4:3:2 Core 030

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 activities will reinforce these concepts.

Prerequisite: PHYS 1401

Type: ACAD

### **PHYS 2425 University Physics I (Engineering Physics I)**

4:3:3 Core 030

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 will be reinforced in lab.

Prerequisite: MATH 2413, concurrent enrollment in Math 2414 is recommended

Type: ACAD

### **PHYS 2426 University Physics II (Engineering Physics II)**

4:3:3 Core 030

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. Laboratory experiments supporting theoretical principles presented in lecture will be reinforced in lab.

Prerequisite: MATH 2414 and PHYS 2425

Type: ACAD

## POLICE ACADEMY (CJLE)

### **CJLE 1506 Basic Peace Officer I**

5:3:8

Basic preparation for a new peace officer. Topics

covered are introduction to fitness and wellness, history of policing, professionalism and ethics, United States Constitution and Bill of Rights, Criminal Justice system, Texas Penal Code, Texas Code of Criminal Procedure, civil process, and stress management. Should be taken in conjunction with Basic Peace Officer II, III, and IV to satisfy the Texas Commission on Law Enforcement (TCLEOSE) approved Basic Peace Officer Training Academy.

Prerequisite: TSI Reading requirement met or minimum passing score on Pre-TASP

Type: TECH

### **CJLE 1512 Basic Peace Officer II**

5:3:8 Capstone Course

Basic preparation for a new peace officer. Topics covered are field note taking, report writing, "use of force" law and concepts, problem solving, multiculturalism, professional policing approaches, patrol procedures, victims of crime, family violence, MHMR, crowd management, HAZMAT, and criminal investigation. Should be taken in conjunction with Basic Peace Officer I, III, and IV to satisfy the Texas Commission on Law Enforcement (TCLEOSE) approved Basic Peace Officer Training Academy.

Prerequisite: TSI Reading requirement met or minimum passing score on Pre-TASP

Type: TECH

### **CJLE 1518 Basic Peace Officer III**

5:3:8 Capstone Course

Basic preparation for a new peace officer. Topics covered are laws pertaining to controlled substances, crowd management, personal property, and crime scene investigation. Should be taken in conjunction with Basic Peace Officer I, II, and IV to satisfy the Texas Commission on Law Enforcement (TCLEOSE) approved Basic Peace Officer Training Academy.

Prerequisite: TSI Reading requirement met or minimum passing score on Pre-TASP

Type: TECH

### **CJLE 1524 Basic Peace Officer IV**

5:3:8

Basic preparation for a new peace officer. Topics covered are laws directly related to police field work, Texas Transportation Code, intoxicated driver, Texas Penal Code, elements of crimes, Texas Family Code, Texas Alcoholic Beverage Code, and civil liability. Requires the demonstration and practice of the skills of a police officer including patrol, driving, traffic stop skills, use of force, mechanics of arrest, firearm safety, and emergency medical care. Also includes study of the techniques and procedures used by police officers on patrol. Includes controlled substance identification, handling abnormal persons, traffic collision investigation, note taking and report writing, vehicle operation, traffic direction, crowd control, and jail operations. Should be taken in conjunction with Basic Peace Officer I, II, and III to satisfy the Texas Commission on Law Enforcement (TCLEOSE) approved Basic Peace Officer Training Academy.

Prerequisite: TSI Reading requirement met or minimum passing score on Pre-TASP  
 Type: TECH

## PROCESS TECHNOLOGY (PTAC)

### **BMGT 2347 Critical Thinking and Problem Solving**

3:3:0

Interpreting data for problem solving and recommending corrective action. Emphasis on a structured approach to critical thinking and problem solving in a team environment.

Prerequisite: TSI requirements met

Type: TECH

### **CTEC 1380 Cooperative Education I- Chemical Technician**

3:1:20

Capstone Course

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. Class time will focus on work related topics such as safety, self-initiative, goal setting, time management, leadership, communication, team skills, and continuous improvement. Students may register in only one co-op class per semester (3SCH, 1 lecture, 20 minimum practicum in plant) and it must be approved by both the employer (offering the Co-Op) and WCJC. The employer will usually select from second year students who have completed at least 30 semester hours toward the PTAC degree and have satisfactorily completed the company's tests and interviews. The student will work at the facility during the day, averaging at least 20 hours per week, and is paid a commensurate rate (approximately 80% of entry level).

Prerequisite: PTAC 2420 with a grade of "C" or better; completion of at least 30 semester credit hours towards PTAC degree; approval of co-op employer.

Type: TECH

### **INMT 2345 Industrial Troubleshooting**

3:3:0

An advanced study of the techniques use in troubleshooting various types of industrial equipment to include mechanical, electrical, hydraulic, and pneumatic systems and their control devices. Emphasis will be placed on the use of schematics and diagrams in conjunction with proper troubleshooting procedures

Prerequisite: TSI requirements met

Type: TECH

### **PTAC 1302 Intro to Process Technology**

3:3:0

An introduction overview of the various processing industries. Introduction to chemical and refinery plant operations. Topics include process technician duties, responsibilities and expectations, plant organizations, plant process and utility systems, and the mental

requirements of the process technician.

Prerequisite: TSI requirements met in Reading and Math; or concurrent enrollment in INRW 0307/MATH 0308

Type: TECH

### **PTAC 1308 Safety, Health and Environment**

3:3:0

An overview of safety, health, and environmental issues in the performance of all job tasks. Development of knowledge and skills to reinforce the attitudes and behaviors required for safe and environmentally sound work habits. Emphasis on safety, health, and environmental issues in the performance of all job tasks and regulatory compliance issues.

Prerequisite: TSI requirements met

Type: TECH

### **PTAC 1410 Process Technology I-Equipment**

4:3:2

Introduction to the use of common processing equipment. Students will learn to use appropriate terminology to describe components of process equipment, describe basic functions of process equipment, and relate scientific principles associated with process equipment.

Prerequisite: PTAC1302

Type: TECH

### **PTAC 1432 Process Instrumentation I**

4:3:2

Study of the instruments and control systems used in the process industry including terminology, process variables, symbology, control loops and basic troubleshooting.

Prerequisite: PTAC 1302 or ENER 1305

Type: TECH

### **PTAC 1454 Industrial Processes**

4:3:2

The study of the common types of industrial processes. This course will examine some of the major types of process units in chemical and refining industries, and the generic procedures for startups, shutdowns, normal and abnormal operations for these units. Processes covered will include polyethylene (loop, CSTR and fixed bed), hydrogen reforming, syn gas reforming, crude distillation, catalytic cracking (FCCU), olefin (specifically ethylene) production, hydrotreating/desulfurization (HT/HDS and CCR) mercaptin treating and sulfur recovery units. **MUST be taken if not selected for CTEC 1380**

Prerequisite: PTAC 2420 with a grade of "C" or better

Type: TECH

### **PTAC 2314 Principles of Quality**

3:3:0

Study of the background and application of quality concepts. Topics include team skills, quality tools, statistics, economics, and continuous improvement.

Prerequisite: TSI requirements met

Type: TECH

**PTAC 2420 Process Technology II-Systems**

4:3:2

A study of the various process systems, including related scientific principles.

Prerequisite: PTAC 1410 and PTAC 1432

Type: TECH

**PTAC 2436 Process Instrumentation II**

4:3:2

Continued study of the instruments and control systems used in the processing industries including terminology, process variables symbology, control loops and troubleshooting.

Prerequisite: PTAC 1432

Type: TECH

**PTAC 2438 Process Technology III-Operations**

4:3:2

Capstone Course

This course emphasizes activities associated with the hands-on operation of process equipment. Topics include typical duties of an operator.

Prerequisite: PTAC 2420 with a grade of "C" or better

Type: TECH

**PTAC 2446 Process Troubleshooting**

4:3:2

Capstone Course

Instruction in the different types of troubleshooting techniques, procedures, and methods used to solve process problems. Topics include application of data collection and analysis, cause-effect relationships, and reasoning.

Prerequisite: PTAC 2420 with a grade of "C" or better

Type: TECH

**PSYCHOLOGY (PSYC)****PSYC 1300 Learning Framework**

3:3:0

A study of the 1) research and theory in the psychology of learning, cognition, and motivation, 2) factors that impact learning, and 3) 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.

Prerequisite: TSI satisfied in Reading; concurrent enrollment in READ 0307

Type: ACAD

**PSYC 2301 General Psychology**

3:3:0

Core 080 and 090

General Psychology is a survey of the major psychological topics, theories and approaches to the scientific study of behavior and mental processes.

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

**PSYC 2306 Human Sexuality**

3:3:0

Or SOCI 2306; Core 080 and 090

This course will provide an overview of the broad field of human sexuality. Topics will be covered from various perspectives – biological, sociological, anthropological, etc., but will focus primarily on the psychological perspective. The goal is for each student to learn factual, scientifically-based information that will provoke thought and contribute to his/her own decision-making on sexual issues outside of the classroom. (Cross-listed as SOCI 2306)

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

**PSYC 2314 Life Span Growth and Development**

3:3:0

Core 080 and 090

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. Recommended for Nursing and Allied Health students.

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

**PSYC 2319 Social Psychology**

3:3:0

Or SOCI 2326

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.

Prerequisite: TSI satisfied in Reading and Writing; SOCI 1301, or PSYC 2301 recommended

Type: ACAD

**RADIOLOGIC TECHNOLOGY (RADR)****RADR 1201 Introduction to Radiography**

2:2:0

An overview of the historical development of radiography, basic radiation protection, an introduction to medical terminology, ethical and legal issues for health care professionals, and an orientation to the program and the health care system.

Prerequisite: Acceptance to Radiologic Technology Program

Type: TECH

**RADR 1266 Practicum I-Radiologic Technology/ Science**

2:0:20

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

Prerequisite: RADR 1201, 1303, and 1411 with a C or better.

Type: TECH

**RADR 1303 Patient Care**

3:2:2

An introduction in patient assessment, infection control procedures, emergency and safety procedures,

communication and patient interaction skills, and basic pharmacology.

Prerequisite: Acceptance to Radiologic Technology Program  
Type: TECH

**RADR 1313 Principles of Radiographic Imaging I**  
3:2:4

Radiographic image quality and the effects of exposure variables.

Prerequisite: RADR 1201, 1303, and 1411 with a C or better.  
Type: TECH

**RADR 1367 Practicum II-Radiologic Technology/ Science**  
3:0:21

Practical, general workplace training supported by an individualized learning plan developed by the employer, college, and student.

Prerequisite: RADR 2401, 1313, and 1266 with a C or better.  
Type: TECH

**RADR 1371 Enhanced Skills**  
3:3:0

This course is designed to teach the student to adjust routine exams to accommodate special circumstances encountered with trauma patients and adjust for special needs of geriatric and pediatric patients.

Prerequisite: RADR 2309, 2217 2431, and 2266 with a C or better.  
Type: TECH

**RADR 1411 Basic Radiographic Procedures**  
4:3:4

An introduction to radiographic positioning terminology, the proper manipulation of equipment, positioning and alignment of the anatomical structure and equipment, and evaluation of images for proper demonstration of basic anatomy.

Prerequisite: Acceptance to Radiologic Technology Program  
Type: TECH

**RADR 2217 Radiographic Pathology**  
2:2:0

Disease processes and their appearance on radiographic images.

Prerequisite: RADR 2305 and 1367 with a C or better.  
Type: TECH

**RADR 2266 Practicum III-Radiologic Technology/ Science**  
2:0:20

Practical, general workplace training supported by an individual learning plan developed by the employer, college, and student.

Prerequisite: RADR 2305 and 1367 with a C or better.  
Type: TECH

**RADR 2267 Practicum IV-Radiologic Technology/ Science**  
2:0:20

Practical, general workplace training supported by an

individual learning plan developed by the employer, college, and student.

Prerequisite: RADR 2309, 2217 2431, and 2266 with a C or better.  
Type: TECH

**RADR 2305 Principles of Radiographic Imaging II**  
3:2:4

Continuation of Radiographic image quality and the effects of exposure variables, and the synthesis of all variables in image production.

Prerequisite: RADR 2401, 1313, and 1266 with a C or better.  
Type: TECH

**RADR 2309 Radiographic Imaging Equipment**  
3:2:4

Equipment and physics of x-ray production. Includes basic x-ray circuits. Also examines the relationship of conventional and digital equipment components to the imaging process.

Prerequisite: RADR 2305 and 1367 with a C or better.  
Type: TECH

**RADR 2313 Radiation Biology and Protection**  
3:3:0

Effects of radiation exposure on biological systems. Includes typical medical exposure levels, methods for measuring and monitoring radiation, and methods for protecting personnel and patients from excessive exposure.

Prerequisite: RADR 2309, 2217, 2431, and 2266 with a C or better.  
Type: TECH

**RADR 2333 Advanced Medical Imaging**  
3:3:0

Specialized imaging modalities. Includes concepts and theories of equipment operations and their integration for medical diagnosis.

Prerequisite: RADR 2309, 2217, 2431, and 2266 with a C or better.  
Type: TECH

**RADR 2335 Radiologic Technology Seminar**  
3:2:3

Capstone Course  
A Capstone course focusing on the synthesis of professional knowledge, skills, and attitudes in preparation for professional employment and lifelong learning.

Prerequisite: RADR 2333, 2313, 1371, and 2267 with a C or better.  
Type: TECH

**RADR 2366 Practicum V-Radiologic Technology/ Science**  
3:0:21

Practical, general workplace training supported by an individual learning plan developed by the employer, college, and student.

Prerequisite: RADR 2333, 2313, 1371, and 2267 with a C or better.  
Type: TECH



**RADR 2401 Intermediate Radiographic Procedures**  
4:3:4

A continuation of the study of the proper manipulation of radiographic equipment, positioning and alignment of the anatomical structure and equipment, and evaluation of images for proper demonstration of anatomy.

Prerequisite: RADR 1201, 1303, and 1411 with a C or better.

Type: TECH

**RADR 2431 Advanced Radiographic Procedures**  
4:3:4

Continuation of positioning, alignment of the anatomical structure and equipment, evaluation of images for proper demonstration of anatomy and related pathology.

Prerequisite: RADR 2305 and 1367 with a C or better.

Type: TECH

### READING (READ)

**INRW 0307 Integrated Reading and Writing**  
3:3:2

Integration of critical reading and academic writing skills. The course fulfills TSI requirements for reading and/or writing. The foundation of this course is a performance-based curriculum with a combined lecture/lab designed to develop student's critical reading and writing skills. The course integrates preparation in basic academic reading skills with basic skills in writing a variety of essays. This is a course with a required lab.

Prerequisite: TSI placement into READ 0307 and ENGL 0307 or completion of READ 0306 and ENG 0306 with a C or better. This course must be successfully completed with a C or better to satisfy TSI requirements.

Type: ACAD

**READ 0306 Reading Survey I**  
3:3:2

Development of reading and higher order thinking skills necessary for college readiness.

Prerequisite: TSI placement. This course must be passed with a C or better or the student may retake the TSI at any time during the course.

Type: ACAD

**READ 0307 Reading Survey II**  
3:3:2

Development of reading and higher order thinking skills necessary for college readiness. Preparatory, non-transfer credit course to improve reading comprehension with emphasis on reading as a thinking process.

Prerequisite: According to WCJC developmental placement guidelines, or completion of READ 0306 with a grade of "C" or better. This course must be passed with a "C" or better to satisfy TSI requirements

Co-requisite: Concurrent enrollment in PSYC 1300  
Type: ACAD

### SOCIOLOGY (SOCI)

**SOCI 1301 Introduction to Sociology**  
3:3:0 Core 080 and 090

The scientific study of human society, including ways in which groups, social institutions, and individuals affect each other. Causes of social stability and social change are explored through the application of various theoretical perspectives, key concepts, and related research methods of sociology.

Analysis of social issues in their institutional context may include topics such as social stratification, gender, race/ethnicity, and deviance.

Prerequisite: TSI satisfied in Reading and Writing

**SOCI 1306 Social Problems**  
3:3:0 Core 080 and 090

Application of sociological principles and theoretical perspectives to major social problems in contemporary society such as inequality, crime and violence, substance abuse, environmental issues, deviance, or family problems.

Prerequisite: TSI Reading requirements met or concurrent enrollment in READ 0307

Type: ACAD

**SOCI 2301 Marriage and Family**  
3:3:0

Sociological and theoretical analysis of the structures and functions of the family, the varied cultural patterns of the American family, and the relationships that exist among the individuals within the family, as well as the relationships that exist between the family and other institutions in society.

Prerequisite: TSI Reading requirements met or concurrent enrollment in READ 0307

Type: ACAD

**SOCI 2306 Human Sexuality**  
3:3:0 Or PSYC 2306; Core 080 and 090

This course is an overview of the broad field of human sexuality. Topics will be covered from various perspectives – biological, sociological, anthropological, etc., but will focus primarily on the psychological perspective. The goal is for each student to learn factual, scientifically-based information that will provoke thought and contribute to his/her own decision-making on sexual issues outside of the classroom. (Cross-listed as PSYC 2306)

Prerequisite: TSI satisfied in Reading and Writing

Type: ACAD

**SOCI 2319 Minority Studies**  
3:3:0 Core 080 and 090

This course is an overview of minority-majority group relations, addressing their historical, cultural, social, economic, and institutional development in the United States. Both sociological and social psychological levels of analysis will be employed to discuss issues including experiences of minority groups within the context of

their cultural heritage and tradition, as well as that of the dominant culture. Core concepts to be examined include (but are not limited to) social inequality, dominance/ subordination, prejudice, and discrimination. Particular minority groups discussed may include those based on poverty, race/ethnicity, gender, sexual orientation, age, disability, or religion.

Prerequisite: TSI Reading requirements met or concurrent enrollment in READ 0307

Type: ACAD

### **SOCI 2326 Social Psychology**

3:3:0 Or PSYC 2319

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 PSYC 2319.

Prerequisite: TSI satisfied in Reading and Writing; SOCI 1301, or PSYC 2301 recommended

Type: ACAD

## **SPANISH (SPAN)**

### **SPAN 1311 Beginning Spanish I**

3:3:0 Core 040 and 090

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.

Prerequisite: TSI satisfied in Reading and Writing or concurrent enrollment in READ 0307

Type: ACAD

### **SPAN 1312 Beginning Spanish II**

3:3:0 Core 040 and 090

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.

Prerequisite: TSI satisfied in Reading or concurrent enrollment in READ 0307. SPAN 1311 or passing grade on Spanish placement test.

Type: ACAD

### **SPAN 2311 Intermediate Spanish I**

3:3:0

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.

Prerequisite: SPAN 1312 or passing grade on Spanish placement test

Type: ACAD

### **SPAN 2312 Intermediate Spanish II**

3:3:0

Continuation of SPAN 2311. Further development of proficiency in listening, speaking, reading and writing. Emphasis on comprehension, appreciation, and interpretation of the cultures of the Spanish-speaking world with emphasis on selected readings from modern works of Spanish and Latin American authors.

Selections are discussed in class, with emphasis on speaking Spanish.

Prerequisite: SPAN 2311

## **SPEECH (SPCH)**

### **SPCH 1311 Introduction to Speech Communication**

3:3:0

Introduces basic human communication principles and theories embedded in a variety of contexts including interpersonal, small group, and public speaking.

Prerequisite: TSI satisfied in Reading or concurrent enrollment in READ 0306 or READ 0307

Type: ACAD

### **SPCH 1315 Public Speaking**

3:3:0 Core 090

Application of communication theory and practice to the public speaking context, with emphasis on audience analysis, speaker delivery, ethics of communication, cultural diversity, and speech organizational techniques to develop students' speaking abilities, as well as ability to effectively evaluate oral presentations.

Prerequisite: TSI satisfied in Reading or concurrent enrollment in READ 0306 or READ 0307

Type: ACAD

### **SPCH 1318 Interpersonal Communication**

3:3:0 Core 090

Application of communication theory to interpersonal relationship development, maintenance, and termination in relationship contexts including friendships, romantic partners, families, and relationships with co-workers and supervisors.

Prerequisite: TSI satisfied in Reading or concurrent enrollment in READ 0307

Type: ACAD

### **SPCH 1321 Business and Professional Communication**

3:3:0

Study and application of communication within the business and professional context. Special emphasis will be given to communication competencies in presentations, dyads, teams and technologically mediated formats.

Prerequisite: TSI satisfied in Reading met or concurrent enrollment in READ 0307

Type: ACAD

### **SPCH 1342 Voice and Diction**

3:3:0

Physiology and mechanics of effective voice production with practice in articulation, pronunciation, and enunciation.

Prerequisite: TSI satisfied in Reading and Writing  
Type: ACAD

**SPCH 2341 Oral Interpretation**

3:3:0

Theories and techniques in analyzing and interpreting literature. Preparation and presentation of various literary forms. This is a skill development course that focuses on effectively reading and performing from the printed page. Vocal characterization and movement are developed along with analysis of literature.

Prerequisite: TSI satisfied in Reading met or concurrent enrollment in READ 0307

Type: ACAD

### **SURGICAL TECHNOLOGY (SRGT)**

**HITT 1249 Pharmacology**

2:2:0

Overview of the basic concepts of the pharmacological treatment of various diseases affecting major body systems.

Prerequisite: None

Type: TECH

**HITT 1305 Medical Terminology I**

3:3:0

Study of medical terms through word origin and structure. Introduction to abbreviations and symbols, surgical and diagnostic procedures, and medical specialties.

Type: TECH

**HPRS 2301 Pathophysiology**

3:3:0

Study of the pathology and general health management of diseases and injuries across the life span. Topics include etiology, symptoms, and the physical and psychological reactions to diseases and injuries.

Prerequisite: BIOL 2401 and 2402 or VNSG 1420

Type: TECH

**SRGT 1405 Introduction to Surgical Technology**

4:2:6

Orientation to surgical technology theory, surgical pharmacology and anesthesia, technological sciences, and patient care concepts.

Type: TECH

**SRGT 1409 Fundamentals of Perioperative Concepts and Techniques**

4:2:6

In-depth coverage of perioperative concepts such as aseptic principles and practices, infectious processes, wound healing, and creation and maintenance of the sterile field.

Type: TECH

**SRGT 1541 Surgical Procedures I**

5:4:2

Introduction to surgical pathology and its relationship to surgical procedures. Emphasis on surgical procedures related to the general, OB/GYN, genitourinary, and orthopedic surgical specialties incorporating

instruments, equipment, and supplies required for safe patient care.

Prerequisite: SRGT 1405 and 1409

Type: TECH

**SRGT 1542 Surgical Procedures II**

5:4:2

Introduction to surgical pathology and its relationship to surgical procedures. Emphasis on surgical procedures related to the thoracic, peripheral vascular, plastic/reconstructive, EENT, cardiac, and neurological surgical specialties incorporating instruments, equipment, and supplies required for safe patient care.

Prerequisite: SRGT 1541

Type: TECH

**SRGT 1560 Clinical I-Surgical Technology/Technologist**

5:0:28

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. The guided experience is unpaid.

Prerequisite: SRGT 1405 and 1409

Type: TECH

**SRGT 2130 Professional Readiness**

1:1:0

Overview of professional readiness for employment, attaining certification, and maintaining certification status.

Type: TECH

**SRGT 2461 Clinical II-Surgical Technology/Technologist**

4:0:15

Capstone Course

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. The guided experience is unpaid. This course is the culminating evaluative course that assesses the outcome of the major. Students must complete this course with a grade of "C" or better.

Prerequisite: SRGT 1541 and 1560

Type: TECH

**VNSG 1115 Disease Control and Prevention**

1:1:0

Study of the general principles of prevention of illness and disease, basic microbiology, and the maintenance of aseptic conditions.

Type: TECH

**VNSG 1420 Anatomy and Physiology for Allied Health**

4:3:2

Study of the structure (anatomy) and function (physiology) of the human body, including the neuroendocrine, integumentary, musculoskeletal, digestive, urinary, reproductive, respiratory, and circulatory systems.

Prerequisite: Admission to Program

Type: TECH

## VOCATIONAL NURSING (VNSG)

### **VNSG 1119 Leadership and Professional Development** 1:1:0

Study of the importance of professional growth. Topics include the role of the licensed vocational nurse in the multi-disciplinary health care team, professional organizations, and continuing education. 16 contact hours.

Prerequisite: Successful completion of all second semester courses

Type: TECH

### **VNSG 1126 Gerontology** 1:1:0

Overview of the physical, psychosocial, and cultural aspects of the aging process. Addresses disease processes of aging. Exploration of perceptions toward care of the older adult. 16 contact hours.

Prerequisite: Admission to program

Type: TECH

### **VNSG 1133 Growth and Development** 1:1:0

Study of the basic aspects of growth and development throughout the life span. Focus on growth and development of the individual's body, mind, and personality as influenced by the environment. 16 contact hours.

Prerequisite: Admission to program

Type: TECH

### **VNSG 1160 Clinical I-Licensed Practical Nurse (LVN)** 1:0:6

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. Clinical experiences are unpaid external learning experiences. 96 clinical hours. Liability insurance, student uniform, and completion of the Hepatitis B immunization series must be completed prior to class.

Prerequisite: Admission to program; VNSG 1505

Type: TECH

### **VNSG 1231 Pharmacology** 2:2:0

Fundamentals of medications and their diagnostic, therapeutic, and curative effects are surveyed. Includes nursing interventions utilizing the nursing process. 32 contact hours.

Prerequisite: Successful completion of all first semester courses

Type: TECH

### **VNSG 1234 Pediatrics** 2:2:0

Study of the care of the pediatric patient and family during health and disease. Emphasis on growth and developmental needs utilizing the nursing process. 32 contact hours.

Prerequisite: Successful completion of all first semester courses

Type: TECH

### **VNSG 1238 Mental Illness** 2:2:0

Study of human behavior with emphasis on emotional and mental abnormalities and modes of treatment incorporating the nursing process. 32 contact hours.

Prerequisite: Successful completion of all second semester courses.

Type: TECH

### **VNSG 1304 Foundations of Nursing** 3:3:0

This is an introduction to the nursing profession including history, standards of practice, legal and ethical issues, and role of the vocational nurse. Topics include mental health, therapeutic communication, cultural and spiritual diversity, nursing process, and holistic awareness. 48 contact hours

Prerequisite: Admission to program

Type: TECH

### **VNSG 1327 Essentials of Medication Administration** 3:3:0

General principles of medication administration including determination of dosage, preparation, safe administration, and documentation of multiple forms of drugs. Instruction includes various systems of measurement. 48 contact hours

Prerequisite: Admission to program

Type: TECH

### **VNSG 1330 Maternal-Neonatal Nursing** 3:3:0

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. 48 contact hours.

Prerequisite: Successful completion of all first semester courses.

Type: TECH

### **VNSG 1423 Basic Nursing Skills** 4:3:5

Mastery of basic nursing skills and competencies for a variety of healthcare settings using the nursing process as the foundation for all nursing interventions. 128 contact hours.

Prerequisite: Admission to program

Type: TECH

### **VNSG 1429 Medical-Surgical Nursing I** 4:4:0

Application of the nursing process to the care of adult patients experiencing medical-surgical conditions in the health-illness continuum.

A variety of health care settings utilized. 64 contact hours.

Prerequisite: Admission to program  
Type: TECH

**VNSG 1432 Medical-Surgical Nursing II**

4:4:0

Continuation of Medical-Surgical Nursing I with application of the nursing process to the care of the adult patients experiencing medical-surgical conditions along the health illness continuum. Includes a variety of health care settings. 64 contact hours.

Prerequisite: Successful completion of all first semester courses.  
Type: TECH

**VNSG 1505 Health Science**

5:4:2

An introduction to the general principles of anatomy and physiology, nutrition, and microbiology that are necessary for understanding body processes and basic principles underlying health promotion and therapeutic interventions. 96 contact hours.

Prerequisite: Admission to program  
Type: TECH

**VNSG 1661 Clinical II-Licensed Practical Nurse (LVN)**

6:0:24

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. Clinical experiences are unpaid external learning experiences. 378 clinical hours.

Prerequisite: Successful completion of all first semester courses.  
Type: TECH

**VNSG 2331 Advanced Nursing Skills**

3:2:2

Mastery of advanced level nursing skills and competencies in a variety of health care settings utilizing the nursing process as a problem-solving tool. 64 contact hours.

Prerequisite: Successful completion of all first semester courses.  
Type: TECH

**VNSG 2661 Clinical III-Licensed Practical Nurse (LVN)**

6:0:23

Capstone Course

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. Clinical experiences are unpaid external learning experiences. 368 clinical hours. This course is the culminating evaluative course that assesses the outcomes of the vocational nursing major. All students must complete this course with a grade of 75% or better

Prerequisite: Successful completion of all second semester courses.  
Type: TECH

## WELDING TECHNOLOGY (WLDG)

**WLDG 1413 Intro to Blueprint Reading for Welders**

4:3:4

A study of industrial blueprints. Emphasis placed on terminology, symbols, graphic description, and welding processes. Includes systems of measurement and industry standards. Also includes interpretation of plans and drawings used by industry to facilitate field application and production.

Prerequisite: None  
Type: TECH

**WLDG 1417 Intro to Layout and Fabrication**

4:3:4

A fundamental course in layout and fabrication related to the welding industry. Major emphasis on structural shapes and use in construction.

Prerequisite: None  
Type: TECH

**WLDG 1428 Intro to Shielded Metal Arc Welding (SMAW)**

4:3:4

An introduction to the shielded metal arc welding process. Emphasis placed on power sources, electrode selection, oxy-fuel cutting, plasma cutting, and various joint designs. Instruction provided in SMAW fillet welds in various positions.

Prerequisite: None  
Type: TECH

**WLDG 1434 Intro to Gas Tungsten Arc Welding (GTAW)**

4:3:4

Principles of gas tungsten arc welding (GTAW), including set-up of GTAW equipment. Instruction in various positions and joint designs.

Prerequisite: None  
Type: TECH

**WLDG 1435 Intro to Pipe Welding**

4:3:4

An introduction to welding of pipe using the shielded metal arc welding process (SMAW), including electrode selection, equipment setup, and safe shop practices. Emphasis on weld positions 1G and 2G using various electrodes.

Prerequisite: WLDG 1428 or Division Chair Approval  
Type: TECH

**WLDG 1457 Intermediate Shielded Metal Arc Welding (SMAW)**

4:3:4

A study of the production of various fillets and groove welds. Preparation of specimens for testing in various positions.

Prerequisite: WLDG 1428 or Division Chair Approval  
Type: TECH

**WLDG 2447 Advanced Gas Metal Arc Welding (GMAW)**

4:3:4

Advanced topics in Gas Metal Arc Welding (GMAW). Includes welding in various positions and directions.

Prerequisite: WLDG 1457 or Division Chair Approval  
Type: TECH

**WLDG 2451     Advanced Gas Tungsten Arc Welding  
(GTAW)**

4:3:4

Advanced topics in GTAW welding, including welding in various positions and directions.

Prerequisite:     WLDG 1434 or Division Chair Approval

Type:             TECH

**WLDG 2453     Advanced Pipe Welding**

4:3:4

Advanced topics involving welding of pipe using the shielded metal arc welding (SMAW) process. Topics include electrode selection, equipment setup and safe shop practices. Emphasis on weld positions 5G and 6G using various electrodes.

Prerequisite:     WLDG 1435 or Division Chair Approval

Type:             TECH

# College Personnel

## BOARD OF TRUSTEES

Board Position	Name	Term Expires
7	<b>P.D. (Danny) Gertson III, Chair</b>	May 2018
4	<b>Amy Rod</b>	May 2014
9	<b>Jack C. Moses, Secretary</b>	May 2016
5	<b>Merle Hudgins</b>	May 2018
6	<b>Monty Merecka</b>	May 2018
3	<b>Ann Hundl</b>	May 2014
8	<b>Oliver W. Kunkel, Jr.</b>	May 2014
1	<b>Lloyd M. Nelson</b>	May 2016
2	<b>Gary P. Trochta, Vice Chair</b>	May 2016

## ADMINISTRATIVE EXECUTIVE OFFICERS

<b>Betty McCrohan</b>	President
B.S., San Angelo State University M.Ed., University of Houston	
<b>Leigh Ann Collins</b>	Vice President of Instruction
A.A.S., Wharton County Junior College B.A.S., & M.A.I.S., University of Houston-Victoria	
<b>David Leenhouts</b>	Vice President of Student Services
B.A., Hope College M.A. & Sp. Psy. Ser., Central Michigan University	
<b>Bryce D. Kocian</b>	Vice President of Administrative Services
A.A., Wharton County Junior College B.B.A., Sam Houston State University	
<b>Pamela J. Youngblood</b>	Vice President of Technology & Institutional Research
A.A.S., Wharton County Junior College B.A.A.S., University of Houston – Victoria	
<b>Glenda G. Hunt</b>	Interim Dean of Academic Instruction
B.S., M.S., Sam Houston State University	
<b>Amy LaPan</b>	Dean of Vocational Instruction
B.A., UCLA M.S., California State University – Sacramento PhD., UCLA	
<b>Gus Wessels, Jr., CPA</b>	Dean of Financial & Business Services
A.A., Wharton County Junior College B.B.A., Southwest Texas State University	

## ADMINISTRATIVE STAFF

<b>Rachel Bahnsen</b>	Assistant Director of Payroll and Benefits
B.S., Texas State University	
<b>Michele Betancourt</b>	Director of Distance Education
B.A., California State University – Long Beach M.A., University of Houston-Clear Lake	
<b>Christy Berry</b>	Director of Admissions and Registration
A.A., Wharton County Junior College B.S., University of Houston Downtown M.A., University of Houston – Victoria	
<b>Lori Blust</b>	Financial Aid Coordinator/Counselor
B.B.A., Stephen F. Austin State University	
<b>James Bullock</b>	MIS Infrastructure Architect
A.A.S., Wharton County Junior College	
<b>Zina L. Carter</b>	Director of Marketing and Communications
B.A., Jacksonville University	
<b>Allyson Chuc</b>	Systems Analyst
B.B.A., University of Houston	
<b>Bryan Chuc</b>	Director of Database & Application Services
B.S., University of Houston	

<b>Mike H. Feyen</b>	Director of Facilities Management
A.A., Ferris State College	
<b>T. Scott Glass</b>	Director of Richmond Campus
A.A., Wharton County Junior College B.S., University of Houston – Victoria	
<b>Timothy Guin</b>	Director of Security and Public Safety
A.A., Wharton County Junior College	
<b>Amanda Heard</b>	Internet Marketing Coordinator
B.A., Stephen F. Austin State University	
<b>Richard D. Hyde</b>	Director of Financial Aid
B.B.A., Sam Houston State University	
<b>Kwei-Feng Hsu</b>	Director of Library Information & Technical Services
B.A., University of Chinese Culture – Taiwan M.L.S., University of Wisconsin – Milwaukee	
<b>Vicki Jacobs</b>	Systems Analyst
B.S., Sam Houston State University	
<b>David Johanson</b>	Senior Systems Analyst
B.S., Corpus Christi State University (Texas A&M – Corpus Christi)	
<b>Danson R. Jones</b>	Director of Institutional Effectiveness & Resource Development
B.A., Oklahoma City University M.A., Bethany Nazarene University PhD., North Texas State University	
<b>Judy J. Jones</b>	Director of Human Resources
B.A., University of Houston	
<b>Bruce Kieler</b>	Coordinator/Grant Writer
A.A., Wharton County Junior College B.A., University of Houston M.A., Kansas State University M.B.A., University of Nevada – Reno PhD., University of California – Berkeley	
<b>Conrad A. Kieler, CPA</b>	Director of Payroll and Benefits
B.B.A., Southwest Texas State University	
<b>Leslie Kolojaco</b>	Public Services Librarian
B.S., Texas A&M University M.S., University of North Texas	
<b>Inez M. Kucera</b>	Director of Instructional Assessment
A.A.S., Victoria College B. S., M.Ed., University of Houston – Victoria	
<b>Xiaodong “Eric” Li</b>	Webmaster
B.L., Fudan University M.S., University of Illinois at Urbana – Champaign	
<b>Robby Mathews</b>	Network Administrator
Certificates, PC Technical Support and Network Operator, Wharton County Junior College	
<b>Tessa Mathews</b>	Director of Institutional Research
A.A.S., Wharton County Junior College	
<b>John Miller</b>	Manager Technical Services
A.A.S., Wharton County Junior College	
<b>Marybelle Perez</b>	Title V HSI STEM Project Director
B.S., University of Houston M.S., University of Houston – Clear Lake	
<b>Karen Preisler</b>	Registrar
B.A., McNeese State University	
<b>Deborah Popek, PHR</b>	Assistant Director of Human Resources
B.A.A., Texas State University M.S., Capella University	
<b>Kenneth Rosier</b>	Distance Learning Technical Support
A.A., Blinn Junior College	
<b>Priscilla Salas</b>	Financial Aid Coordinator/Counselor
B.A., University of Houston	
<b>Alvin Schultz</b>	Assistant Director of Facilities/Senior Electrician
<b>Benjamin Sharp</b>	Marketing and Communications Coordinator
B.A., University of Houston	
<b>Merry Sprague</b>	Assistant Director of Financial Aid
A.A., North Harris Montgomery Community College B.A., Our Lady of the Lake University M.Ed., University of Houston – Victoria	

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 B.S., University of Houston – Downtown  
 M.A., Sam Houston State University

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 B.B.A., University of Texas  
 M.Ed., East Texas State University  
 Ed.D., University of Houston

**Cynthia Ward** Controller  
 B.B.A., Texas A&M University

**Robert Wolter** Director of Sugar Land Campus  
 B.B.A., Texas A&M University

**Philip Wuthrich** Director of Purchasing  
 B.S., Sam Houston State University

**Gloria Vela** Grant Accountant  
 A.A., Wharton County Junior College  
 B.B.A., University of Houston – Victoria

## STUDENT SERVICES

**Julie Aaronson** Coordinator of Recruiting  
 B.S., Texas A&M University

**Kristen Cartwright** Academic Advisor  
 B.A., M.P.A., Stephen F. Austin State University

**Susan Denman-Briones** Director of Academic Advising  
 and Counseling  
 B.A., Drury University, Springfield, Missouri  
 M.S., University of Arkansas

**Patricia Lawlor** Counselor  
 B.A., University of Delaware  
 M.Ed., University of Houston

**Beverley Marks** Counselor  
 B.A., York University, Toronto, Canada  
 M.A., University of Houston – Clear Lake

**Tracy Stripling** Student Recruiter  
 B.A., Texas State University  
 M.A., University of Houston – Victoria

**Johnnie Svatek** Student Recruiter/Academic Advisor  
 B.A., Texas A&M University

**TBA** Academic Advisor

**TBA** Disability Services Coordinator

## CONTINUING EDUCATION & INSTRUCTIONAL OUTREACH

**Alice Atkins** Continuing Education Director  
 B.S., Everest University

**Cynthia Kocian** Vocational Support Services Coordinator  
 B.S., University of Houston – Downtown

**Tamara Rodriguez** Continuing Education Corporate  
 Coordinator  
 B.S., Stephen F. Austin State University  
 M.Ed., University of Houston – Victoria

## FACULTY

\* Denotes Department Head

**\*Ramiro Acevedo** Physics, Chemistry  
 B.S., University of Houston  
 Ph.D., Rice University

**Amy Acord** Government  
 B.A., B.A.I.S., Texas State University  
 MLA, University of St. Thomas  
 MSC, London School of Economics and Political Science

**Dawn Aldana** Psychology  
 B.S., Lamar University  
 M.A., University of Houston – Victoria

**Sean Amestoy** Agriculture Coordinator, Rodeo Coach  
 B.S., Tarleton State University  
 M.S., Sam Houston State University

**Marsha Anderson** English  
 B.S., University of Houston Downtown  
 M.S., University of Houston – Clearlake

**Phyllis Appling** Developmental Studies, Reading  
 A.A., Wharton County Junior College  
 B.B.A., Sam Houston State University  
 M.Ed., University of Houston – Victoria

**Pamela A. Armentrout** English  
 B.A., M.A., Texas A&M University

**Timothy Arriaga** Engineering Design  
 A.A., Wharton County Junior College

**Richard Aurisano** Geology  
 B.A., M.A., Queens College, New York  
 Ph.D., Rutgers University

**\*Eugene F. Bahnsen** Athletic Director, Kinesiology  
 B.S., M.H.P.Ed & R., North Texas State University

**John Bankston** Chemistry  
 B.S., University of Houston  
 M.S., University of Washington

**Francine Bay** Dental Hygiene  
 A.A.S., Wharton County Junior College  
 B.A.A.S., University of Houston – Victoria

**Linda Bear** Vocational Nursing  
 A.A.S., Rogers State University

**Kimberly Benien** Mathematics  
 B.S., M.A. Western Governor's University

**Andrew Berezin** Biology  
 B.S., M.S., Sul Ross State University

**Connie Bibus** History  
 B.A., Texas State University  
 M.A., University of Virginia  
 Ed.D., Texas Tech University

**Ophelia Binkley-Webb** Psychology  
 B.S., M.L.A., Houston Baptist University  
 M.A., Texas Southern University

**Leslie Blanks** Psychology  
 B.A., Texas A&M University  
 M.A., Stephen F. Austin University

**Brenda Bode** Dental Hygiene  
 A.A.S., Wharton County Junior College  
 B.S., University of Texas Health Science Center, San Antonio

**\*Gary Bonewald** Emergency Medical Services  
 B.S., M.S., University of Houston

**Dana Bramble** Developmental Studies/English  
 B.S.E., Texas State University

**Benjamin Brink** Mathematics  
 B.S., Allegheny College  
 M.A., West Virginia University

**Rebecca Brown** Computer Science  
 B.S., Lamar University  
 M.S., Florida Institute of Technology

**\*Melissa Bruton** Surgical Technology  
 CST, Sarasota County Technical Institute  
 LVN, Memorial City Medical Center School of Vocational  
 Nursing  
 A.A., Wharton County Junior College

**Rick Bush** English  
 B.A., M.A., Texas Tech University

**Frank Carey** Chemistry  
 B.A., M.S., University of North Texas

**James J. Carolan** Mathematics  
 B.A., M.Ed., Texas Wesleyan College

**Patrice Carter** History  
 B.A., Mundelein College (Loyola University)  
 M.A., University of Illinois



<b>Keith Case</b>	Kinesiology, Baseball Coach	
B.S., Mississippi State University		
M.Ed., William Carey University		
<b>Johnson Cherukara</b>	Biology	
B.S., Bangalore University, India		
M.S., Kumaun University, India		
<b>Kam Chu</b>	Physics	
B.S., M.S., Texas Southern University		
Ph.D., University of Houston		
<b>*Linda Clark</b>	Criminal Justice	
B.A., University of Oklahoma		
J.D., Oklahoma City University		
Ph. D., University of Houston—Downtown		
<b>*Curtis Cline</b>	Automotive Technology	
A.A.S., Wharton County Junior College		
ASE Master Certified Automotive Technician		
Automotive Journeyman – Oregon		
<b>Sean Collins</b>	Chemistry	
B.S., Schreiner University		
M.S., Texas A&M University		
<b>James Robert Conner</b>	Speech	
B.S., University of Houston Downtown		
M.A., University of Houston		
<b>Cynthia Cruz</b>	Associate Degree Nursing	
B.S., University of Rochester		
M.S., Texas Women's University – Denton		
<b>Diane Curtis</b>	Art	
B.A., Texas State University		
M.Ed., University of Houston		
<b>Darius Darayan</b>	Computer Science	
B.S., University of Houston		
M.S., Louisiana State University		
<b>Sandra Davis</b>	Associate Degree Nursing	
B.S., Alcorn State University		
M.S., University of South Alabama		
<b>Kevin Dees</b>	Biology	
Division Chair, Math and Science		
B.S., M.S., Southwest Texas State University		
<b>*Carol Derkowski</b>	Dental Hygiene	
Division Chair, Allied Health		
A.A.S., Wharton County Junior College		
B.S., M.A.I.E., Sam Houston State University		
<b>John Dettling</b>	Biology	
B.S., Texas A&M University		
M.S., Southwest Texas State University		
<b>Cynthia Diener</b>	English	
B.S., Texas A&M University		
M.S., University of Houston – Victoria		
<b>*Aaron Dittmar</b>	Welding	
A.A., Wharton County Junior College		
<b>Candace Doriski</b>	Biology	
B.S., Arkansas Tech University		
M.S., Louisiana State University		
<b>Kelly Eldridge</b>	Psychology	
A.A., Brazosport College		
B.S., M.A., Sam Houston State University		
<b>Fred L. Ermis, Jr.</b>	Mathematics	
B.S., Sam Houston State University		
M.S., Marquette University		
<b>William Feagin, Jr.</b>	Government	
B.A., M.A., Sam Houston State University		
<b>Peggy Fitt</b>	Kinesiology	
B.S., Northwestern State University of Louisiana		
M.A., University of Northern Colorado		
<b>Brianna Florus</b>	Kinesiology, Volleyball Coach	
B.A., Texas Tech University		
<b>Purti Gadkari</b>	Biology	
B.S., University of Bombay		
M.S., University of Cincinnati		
<b>*David D Glenn, Jr.</b>	Geology	
B.S., Stephen F. Austin State University		
M.S., Sam Houston State University		
<b>Natasha Goins</b>	Associate Degree Nursing	
B.S., M.S., Texas Woman's University		
<b>Linda Graham</b>	History	
B.A., M.A., Houston Baptist University		
<b>Linda Griffith</b>	History	
B.A., M.A., University of Houston – Clear Lake		
<b>J.B. Groves III</b>	Computer Science	
A.A., Wharton County Junior College		
B.S., M.S., University of Houston		
<b>*Kenneth Grubb</b>	History	
B.A., M.A., University of Houston – Clear Lake		
<b>Varun Gupta</b>	Economics	
M.S., University of Houston		
M.B.A., Texas Southern University		
B.S., West Virginia University Morgantown		
<b>Pramila Gurralla</b>	Biology	
B.S., Andhra Christian College		
M.S. Kanpur University		
M.D., Spartan Health Sciences University (West Indies)		
<b>Dale Hahn</b>	Dental Hygiene	
A.A.S., Wharton County Junior College		
B.S., University of Texas Health Science Center, San Antonio		
<b>Philip Hamlin</b>	Air Conditioning, Heating, Refrigeration and Electrical	
EPA Section 608 Certificate		
State of Texas Master Electrician License		
<b>Tammy Hann</b>	Associate Degree Nursing	
LVN, Wharton County Junior College		
B.S., M.S., Grand Canyon University		
<b>*Erma Hart</b>	Paralegal Studies	
B.B.A., Prairie View A&M University		
J.D., Texas Southern University		
<b>William Heierman</b>	Mathematics	
B.S., Georgia Institute of Technology		
M.S., New York University		
<b>*Rudolph Henry</b>	Nuclear Power Technology	
B.S., Texas A&M University		
M.S., University of Houston – Clear Lake		
<b>TaQuita Hogan-Claiborne</b>	Paralegal Studies	
B.A., University of Houston		
J.D., Texas Southern University		
<b>Jami Hughes</b>	Drama	
B.F.A., Sam Houston State University		
M.F.A., Louisiana State University		
<b>Ava Humme</b>	Humanities	
B.A., Texas A&M University		
M.Ed., University of Houston – Victoria		
<b>Jodie Hutchinson</b>	Psychology	
B.S., University of Houston		
M.A., Houston Baptist University		
<b>Jennifer Jeffery</b>	Biology	
B.S., Sam Houston State University		
M.S., Texas Tech University		
<b>Glendell Jones</b>	History	
B.A., M.Ph., Southern Methodist University		
M.Ed., East Texas State College		
Ph.D., North Texas State University		
<b>Charlet Jose</b>	Associate Degree Nursing	
B.S.N., University of Poona		
M.S.N./ED, University of Phoenix		
<b>James H. Kelley, Jr.</b>	Mathematics	
B.S., M.S., University of Arkansas		
<b>Sherry King</b>	Biology	
B.A., Howard Payne University		
M.S., Ph.D., Arizona State University		
<b>Suzan King</b>	English	
B.A., M.A., Oklahoma State University		

<b>Cynthia Knox</b> B.S., Bradley University M.A., University of Wisconsin M.P.H., University of Texas Health Science Center, Houston	Speech	<b>Shelley Mayfield</b> A.A.S., Wharton County Junior College B.A.A.S, M.Ed., University of Houston – Victoria	Dental Hygiene
<b>Angela Kocurek</b> B.A., M.A., Sam Houston State University	English	<b>Nora McCarthy</b> B.S., M.S., University of Houston – Clear Lake	Computer Science
<b>Marlene Kolafa</b> Certificate, Cosmetology Operator and Instructor, Wharton County Junior College Licensed Cosmetology Instructor, Texas Department of Licensing and Regulation	Cosmetology	<b>Mary McClelland</b> B.S., M.B.A., Texas Southern University	Office Administration
<b>Patricia Korenek</b> B.S.N., M.S., University of Texas – Austin M.S., Texas Women’s University – Houston WHCNP, University of Texas Southwestern – Dallas	Associate Degree Nursing	<b>*Rebecca Helms McElroy</b> B.A., M.A., Houston Baptist University	Psychology
<b>*David Kucera</b> Division Chair Technology and Business A.A.S., Wharton County Junior College B.A.A.S., University of Houston – Victoria	Electronics Engineering Technology	<b>Greg McLarty</b> B.S., M.S., East Texas State University – Commerce	Drama
<b>*Jacqueline Kuehn</b> Certificate, Cosmetology Operator and Instructor, Wharton County Junior College Licensed Cosmetology Instructor, Texas Department of Licensing and Regulation	Cosmetology	<b>Jimidene Murphy</b> B.B.A., Tarleton State University M.A., Texas Tech University M.B.A., Tarleton State University	Humanities
<b>Mary Lang</b> B.A., East Texas State University M.A., Texas Tech University	English	<b>*Willie Myles</b> B.S., Alcorn State University M.S., University of Houston – Clear Lake	Process Technology
<b>Jennifer Lehman</b> B.S., Abilene Christian University M.P.A., J.D., University of North Carolina at Chapel Hill	Economics	<b>*Dale Neaderhouser</b> B.S. Cornell University M.S., University of Illinois	Mathematics
<b>Debra Lemson</b> B.M.E., Baker University M.S.M., Southern Methodist University	Music	<b>*Robin P. Nealy</b> B.A., Prairie View A&M M.A., Ph.D., Texas A&M University	Developmental Studies, English
<b>Karen Lescure</b> B.A., M.A., University of Houston	English	<b>Mary Austin Newman</b> B.S., S.F. Austin State University M.A., University of Houston Ph.D., Penn State University	Speech, Drama
<b>Jason Lester</b> B.M.Ed., Baylor University M.M.-Voice, University of Cincinnati College, Conservatory of Music Ph.D., Florida State University	Music	<b>Cullen W. Newsom</b> A.A.S., Wharton County Junior College	Electronics Engineering Technology
<b>Jonathan K. Loessin</b> B.S., M.A., Sam Houston State University A.B.D. Texas A&M University Ph.D., Universidad Empresarial de Costa Rica	Sociology	<b>Robert E. Nottebart</b> B.A., Lubbock Christian University M.A., University of Houston	History
<b>*Deborah L. Lutringer</b> A.A.S., Wharton County Junior College B.S., Texas State University	Health Information Technology	<b>Garland Novosad</b> B.S., Baylor University, Waco D.D.S., Baylor University College of Dentistry, Dallas	Dental Hygiene
<b>Stephen Lyford</b> B.S., M.E. Sam Houston State University	Computer Science	<b>Judy Ogle</b> B.A., Southern University – New Orleans M.S., University of Missouri at Columbia	Psychology
<b>*Terry David Lynch</b> Division Chair, Vocational Science A.A., A.A.S., Wharton County Junior College B.A.A.S., Midwestern State University	Police Academy	<b>Amy Pendergraft</b> B.S.N., University of Texas Medical Branch M.S.N., Texas Woman’s University	Associate Degree Nursing
<b>*Barbara Lynn</b> B.S., M.A., University of Texas	Education & Early Childhood	<b>Lyndon Dale Pinson</b> B.S., M.A., Sam Houston State University	Geology
<b>Amelia Maretka</b> A.A.S., Wharton County Junior College B.S.T., M.Ed., University of Houston	Computer Science	<b>Natalie Pittman</b> B.S., M.S., Texas A&M	Computer Science
<b>*Daryl Wayne Maretka</b> A.A.S., Wharton County Junior College B.B.A., Dallas Baptist University	Fire Science	<b>Kirby S. Pressly</b> B.A., M.A., North Texas State University	Mathematics
<b>Bonnie Mascheck</b> A.A.S., Wharton County Junior College	Vocational Nursing	<b>*Sharon Housman Prince</b> B.A., M.A., Radford University	English
<b>Allyson Matheaus</b> A.A., A.A.S. Wharton County Junior College B.S., Midwestern State University	Radiologic Technology	<b>Karen Prisner</b> A.A., Barbados Community College B.A., Texas A&M University, Corpus Christi M.A., University of Houston	Speech
<b>Jennifer Mauch</b> B.S., Louisiana State University M.Ed., Texas State University – San Marcos	Mathematics	<b>*Patrick Ralls</b> B.A., Sam Houston State University M.A., University of Houston	Speech
		<b>*Kimberly Y. Raun</b> B.A., Texas A&M University M.S., University of Houston – Clear Lake	Biology
		<b>*Elizabeth A. Rexford</b> B.A., Franklin and Marshall College M.A., Ph.D., University of Maryland	Government
		<b>George H. Robertson</b> B.S., Sam Houston State University	Developmental Studies
		<b>Kathy Rod</b> B.S., Texas A&M University	Developmental Mathematics

<b>*Elizabeth Rohan</b>	Vocational Nursing	<b>Ronald Vardy</b>	Government
A.A., Wharton County Junior College		B.A., University of South Florida	
A.A.S., Wharton County Junior College		M.S., Troy State University M.B.A.,	
<b>Haydee Ruiz</b>	Engineering Design	Central Michigan State M.A.,	
A.A.S., Wharton County Junior College		Ph.D., University of Houston	
B.S., University of Houston		<b>Joseph Waldrop</b>	Music/Band Director
<b>*Betty T. Salas</b>	Physical Therapist Assistant	A.A., Tyler Junior College	
A.A.S., Wharton County Junior College		B.F.A., University of Texas at Tyler	
B.S., UTMB School of Allied Health Sciences		M.M., Texas State University	
D.P.T., University of Montana		<b>Douglas B. Walker</b>	Biology
<b>Ricardo Salinas</b>	Welding	B.A., Texas Christian University	
A.A.S., Texas State Technical College – Harlingen		M.A., Southern Methodist University	
<b>Mariakutty M. Samuel</b>	Associate Degree Nursing	<b>*Sharla Walker</b>	Radiologic Technology
Diploma in Nursing, Christian Medical College and		B.S., M.S., Midwestern State University	
Hospital, India		<b>Amy Wall</b>	Associate Degree Nursing
B.S.N., M.S.N., University of Texas Health Science Center		B.S.N., Rutgers, The State University of New Jersey	
<b>*Robert Sanchez</b>	Air Conditioning, Heating, Refrigeration and	M.A., New York University	
EPA Section 608 Certificate	Electrical	<b>Kelly Wallace</b>	Physical Therapist Assistant
HVACR Certificate, Wharton County Junior College		B.S.P.T., Texas Women’s University	
<b>*Donna Schilling</b>	Computer Science	B.S.Hed., Texas A&M University	
A.A.S., Wharton County Junior College		D.P.T., Boston University	
B.A.A.S., University of Houston – Victoria		<b>Wendy Waters</b>	Biology
<b>James Schoshinski</b>	Government	B.S., M.S., Ph.D., Texas A&M University	
B.A., University of Texas – Dallas		<b>Mary Wilson, CPS</b>	Business & Office Administration
M.A., Texas Women’s University		B.S., Southwest Texas State University	
<b>*Victoria Schultz</b>	Human Services	M.Ed., University of Houston	
B.S., M.S., University of Alaska		<b>Joy J. Wind</b>	History
<b>Mushira Shamsi</b>	Education & Early Childhood	B.J., University of Texas	
B.S., M.S., University of Baroda, India		M.A.I.S., University of Houston – Victoria	
<b>Amanda Shelton</b>	History	<b>Nancy Witt</b>	Vocational Nursing
Division Chair, Social & Behavioral Sciences		A.A., Miami Dade College	
B.A., University of Texas		A.A.S., Blinn College	
M.A., Southwest Texas State University		B.S.N., M.S.N., Western Governor’s University	
<b>Margaret Penn Sherrod</b>	Sociology	<b>Stephen Witzkoski</b>	Automotive Technology
B.A., M.A., Prairie View A&M University		A.A.S., Wharton County Junior College	
J.D., Texas Southern University		ASE Master Certified Automotive Technician	
<b>*Jo Ann Shimek</b>	Engineering Design	Mazda Certified Master Technician	
A.A.S., Wharton County Junior College		GM Certified Master Technician	
B.S., University of Houston		<b>David J. Woods</b>	Computer Science
<b>Geoffrey Shine</b>	Government	B.S., M.B.A., University of Houston	
B.A., M.A., Texas State University		<b>*Deborah Yancey</b>	Associate Degree Nursing
<b>*Celine Siewert, CPA</b>	Accounting	A.A.S., San Jacinto Junior College	
B.B.A., Texas A&M University		B.S.N., University of Texas Health Science Center	
M.B.A., University of Houston – Clear Lake		M.S.N., University of Texas	
<b>Corrine Smith, ANP</b>	Associate Degree Nursing		
B.S.N., Texas Christian University – Fort Worth			
M.S., Texas Woman’s University – Dallas			
ANP-C, American Academy of Nurse Practitioners			
<b>Yvonne Smith</b>	Mathematics		
B.S., Mississippi State University			
M.Ed., Mississippi College			
<b>Pamela Speights</b>	Speech		
B.S.Ed., M.S., Abilene Christian University			
Ed.D., University of Houston			
<b>Paul N. Spellman</b>	History		
B.A., Southwestern University – Georgetown			
M.A., University of Texas			
M.Ed., Texas A&M University – Corpus Christi			
Ph.D., University of Houston			
<b>*David Scott Stripling</b>	Humanities		
B.S., UT Pan American			
M.B.A., UT Pan American Edinburg			
<b>Ernest (Jeff) Tix</b>	English		
B.B.A., Texas A&M University			
M.B.A., M.L.A., University of St. Thomas			
<b>*Eddie Vandewalker</b>	Music/Choir Director		
B.M.E., East Central University			
M.M., University of Texas – Arlington			

## ADVISORY COMMITTEES FOR OCCUPATIONAL PROGRAMS

### Air Conditioning, Heating, Refrigeration and Electrical Technology

Doug Baumgarten	DB Air, Wharton, TX
David Cannell	Cannell Air Conditioning & Heating, El Campo, TX
Thomas Faust	Faust Air Conditioning & Heating, Wharton, TX
Manual Garcia	Contractor, Garcia Mechanical, Needville, TX
Raymond E. Kueck	Custom Comfort, Inc., Rosenberg, TX
Alvin Mathys	Gulf Coast Medical Center (retired), Wharton, TX
Ray Roberson	Roberson Air Conditioning and Refrigeration, Wharton, TX
Mike Sparks	Contractor, Kovar AC&H, Bay City, TX
Sidney E. Struss	Contractor, A.J. Struss Company, Eagle Lake, TX

### Associate Degree Nursing

Kimberly Alexander	Sunrise Senior Living
Tanya Carbone, RN, BSN	Oak Bend Medical Center
Christie Jacobus, RN M.Ed	Memorial Hermann Sugar Land Hospital
Gary Pretzsch, RN	Memorial Hermann Medical Group
Sharon Rochen, RN	Matagorda Regional Medical Center
Judy Sablatura, RN,BSN	Silverado Senior Living-Sugar Land
Lara Schroeder, RN	University of Houston Victoria
Kathryn Tart, Ed.D., RN, CNE	

### Automotive Technology

Craig Abbondola	Beck & Masten, Houston, TX
Keith Cline	Jeff Hass Mazda, Houston, TX
Jim Farrar	Firestone, Richmond/Rosenberg, TX
Gary Faris	Owner, NAPA, Bay City/ Boling/ Wharton, TX
Gary Gensler	WCJC Faculty (retired), Wharton, TX
Chris Hawn	Lexus, Austin, TX
Larry Kuretsch	El Campo High School, El Campo, TX
Lance Lurker	Don Davis Motor Co., El Campo, TX
Mike Rodriguez	B&S Services, Boling, TX
Theresa Salley	Don Elliott Auto, Wharton, TX
David Voulgaris	Self Employed, Wharton, TX
Mike Watson	Boling Equipment, Boling, TX

### Computer Science

Heather Caddie Mendiola	Tidehaven ISD, Blessing, TX
Dr. Li Chao	University of Houston-Victoria, Sugar Land, TX
Keith Crabb	University of Houston , Houston, TX
Adam Guevara	Wm. Rigg Co., Houston, TX
Russell Hill	All-Tex Networking Solutions, Richmond, TX
Sean Lavelle	Baylor College of Medicine, Houston, TX

Lynette Meyer  
Larry Swonke

Fort Bend ISD, Sugar Land, TX  
Microsoft Corporation, Houston, TX

### Cosmetology

Darla Ermis	Owner, That Hair Place, Louise, TX
Ann Vignes	Owner, The Salon on Richmond, Wharton, TX
Linda Svatek	Owner, Razzmatazz Hair Salon, Wharton, TX
Kelli Graham	Owner, Southern Charm Salon, Weimer, TX
Jeanene Merka	Retired WCJC faculty, Wharton, TX
Joshann Garcia	Cosmetology Instructor, Bay City High School

### Dental Hygiene

Larry Caldwell, DDS	Sugar Land, TX
John D. Ferguson, DDS	Bay City, TX
A.J. Murrey, DDS	Bay City, TX
Byron Novosad, DDS	Sugar Land, TX
Patti Rhoades, RDH	Rosenberg, TX
Carol Smolik, RDH	El Campo, TX
Amelia Snelling, RDH	Pearland, TX
Brian Swenson, DDS	El Campo, TX
Monica Taylor, RDH	Missouri City, TX
Kelli Wise, RDH	Friendswood, TX
Brandi Yackel, RDH	Wharton, TX

### Early Childhood Development

Mariette Bellamy	Education Director, Tri-County Head Start
Milton Burrell	Site Supervisor/Family Engagement for Wharton Head Start Program, Bay City, TX
Dianne Gertson	Texas AgriLife Extension, Fort Bend County, Rosenberg, TX Graduate of WCJC and Kindergarten Teacher, Fort Bend ISD, Hungerford, TX
Stephanie Haynes	Texas AgriLife Extension, Wharton County, Wharton, TX
Bethany Jackson	Children's Librarian, Wharton County Library
Linda Hines	WCJC Instructor, Project GROW, Early Childhood Intervention, Richmond, TX
Gail Spell	Assistant Professor of Early Childhood Education, University of Houston-Clear Lake, Houston, TX
Dr. Joy Moss	Retired THS Family Consumer Science Teacher, LCISD, Beasley, TX
Patty Stupka	WCJC Instructor, Shady Oak Christian School, Richmond, TX
Joyce Trigger	Director, Aquinas Early Learning Center, Sugar Land, TX
Rebecca St. Cyr Gotting	WSS Tri-County DCD Head Start, Richmond, TX
Lorraine Washington	

### Electronics Engineering Technology

Alice Atkins	Director of Continuing Education, Wharton County Junior College
Rachel Caldwell	FW Murphy, Rosenberg, TX
Clarence Foytik	Micro-Smart Systems, Houston, TX

Dustin Hruzek	FW Murphy, Controls Engineer, Rosenburg, TX
Donald Locke	Sercel, Inc., Houston, TX
Daniel Klienber	Schlumberger, Sugar Land, TX
Etang Pugh	Frito Lay, Rosenberg, TX
Art Schulze	Healthcare Technology Group, Wharton, TX
Patrick Walsh	Frito Lay, Rosenberg, TX
Bob Ziegenhals	Retired Electronics Instructor, Wharton County Junior College

### Emergency Medical Service

Belma Cruz	ER Director, Matagorda Regional
Amanda Campos	Director, Matagorda County EMS
Ron Dille	Director, Austin County EMS
Jessica Gann	Trauma Coordinator, Matagorda Regional
Ann Gooden	Retired
John Kowalik	Director- Wharton EMS
Charla Kulcak	STMC Marketing Director
Mike Lee	Chief Nursing Officer-Matagorda Regional
Chase Nielsen	Director, El Campo EMS
Dr. Francisco J. Ortiz	WCJC Medical Director
Aaron Prihoda	Fire Fighter/EMT-P, Missouri City Fire & Rescue
Patsy Quebedeaux	TDSH East Group Specialist
Tina Slaughter	OR Director-Matagorda Regional
JA Szymanski	Wharton County Constable- Precinct 2

3 positions for current EMT-P  
Students  
3 positions for recent EMT-P  
Graduates

### Engineering Design

Stephen Berckenhoff	AECOM, Houston, TX
Steve Blanchard	Atkinson Builders, Edna, TX
Traci Holub	Director Vocational Ed., LCISD, Rosenberg, TX
Amanda Johnson	Civil Structural Design Lead, Flour, Sugar Land, TX
Ken Lipinski	Mustang Engineering, Houston, TX
Ken Shanks, AIA	Ken Shanks & Associates, Inc., El Campo, TX
Glenn Evanicky	Jacobs Engineering, Houston, TX
Steve Kubena	SBM Atlantia, Houston, TX
Llarence Turner	Kelly R. Kaluza & Assoc., Inc., Rosenberg, TX
Heather Warncke	Senior Pipeline Designer, Pipeline Engineering Solutions, Inc.

### Fire Academy

Bobby Barnett	Wharton Volunteer Fire Department (Retired), Wharton, TX
Jessica Bartel	Fire Program Graduate
Frank Becak	El Campo Volunteer Fire Dept., El Campo, TX
Curtis Campbell	Missouri City Fire & Rescue, Missouri City, TX
Jimmy George	El Campo Volunteer Fire Department, El Campo, TX
Todd Johse	West University Fire Department, West University, TX
Chris Kahl	Richmond Fire Department, Richmond, TX

Aaron Prihoda	Missouri City Fire & Rescue, Missouri City, TX
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### Health Information Technology

Carol Bartek, RHIA, CCS	Gulf Coast Medical Center, Wharton, TX
Sarah Glass, MA, RHIA, CCS	St. Luke's Hospital, Houston, TX
Judy Hardin, RHIA	South Texas Medical Clinic, Wharton, TX
Mary W. King, MS, RHIA	Retired WCJC Faculty, Wharton, TX
Becky Malone, RHIA, CCS	St. Luke's Hospital, Houston, TX
Delores Merchant, RHIA	Sweeny Community Hospital, Sweeny, TX
Elaine Powers, RHIT	Iron Mountain Consulting
Linda Rosenbaum, RHIA	RMS Services, Houston, TX
Mary Jo Spanihel, RHIA	Part-Time Instructor, Wharton County Junior College, Wharton, TX
Karen Wells, RHIT	El Campo Memorial Hospital, El Campo, TX

### Human Services

Billie Jean Bram	Chief Probation Officer Wharton and Matagorda Counties Juvenile Division, Wharton, TX
Chad Bridges	Assistant District Attorney, Fort Bend County District Attorney's Office, Special Victim's Unit, Richmond, TX
Kimberly Castillo	Primary Prevention Coordinator Wharton and Matagorda Crisis Centers, Bay City, TX
Eugene Davis	Executive Director, The Crisis Center and Child Advocacy Center for Matagorda and Wharton Counties
Cynthia Fannin	Assistant Director, Human Resources, Richmond State Supported Living Center, Richmond, TX
Sara Fira	Online Academic Advisor, Wharton County Junior College, Sugar Land, TX
Sheri Frug'e	Clinical Director, Behavioral Healthcare Services, Texana, Rosenberg, TX
Roxane Marek	Chief Probation Officer Wharton and Matagorda Counties Adult Probation Division, Wharton, TX
Isaac Williams	Assistant Dean/Campus Director, Springfield College, Houston Campus, Houston, Texas

### Nuclear Power Technology

Clarence Fenner	Workforce Development Coordinator, South Texas Project, Wadsworth, TX
Gary Hicks	Division Chair, Brazosport
Kenneth Hilscher	Technical Training Mgr., STP
Dr. John Poston	Professor, College of Engineering, Texas A&M, College Station, TX

### Office Administration (Administrative Assistant)

Marie T. Barth, CAP/OM	MD Anderson Cancer Center, Houston, TX
Belinda Bonilla	CGG, Houston, TX

Eric Dargan  
Billie Forrest, CAP

Janice Golding

Vernis Joiner

Rhoda Jones CAP

Lauren Krasucky  
Debra Pruitt CAP/OM,  
CPM  
Vickie Randall, CAP/OM  
Carol Treude  
Shelly Utz

City of Houston, Houston, TX  
MidContinent/Alaska Business  
Unit, Chevron North America  
Exploration and Production  
Company, Houston, TX  
Fulbright & Jaworski L.L.P.,  
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## Process Technology

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Brett DeMoss  
D.C. Dunham  
Tim Foster  
Dale Friedrichs  
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Kathy Hunt  
Shannon Mackey  
Randy Moore  
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Wharton, TX  
Rosenberg Police Dept.,  
Rosenberg, TX

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Chevron Phillips Chemical  
Company  
Sweeny, TX  
Williams Company, Bay City, TX  
BCCD, Bay City, TX  
Dow Chemical, Freeport, TX  
Lyondell Basell, Bay City  
WCJC Process Technology  
Instructor  
Industrial HS  
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## Paralegal Studies

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## Radiologic Technology

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DeTar Hospital, Victoria, TX  
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Richmond, TX  
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David Cobb  
Richard Holdren  
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James Slattery  
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Andrew Soprano  
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Airgas  
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ARC Specialties  
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Ed.D., University of Houston	
<b>*Melvin T. Wingfield</b>	Agriculture
B.S.A., M.S., University of Arkansas	
<b>*Mary Lou Wright</b>	Home Economics
B.S., M.S., North Texas State University	
<b>Robert C. Ziegenhals</b>	Electronics Technology
B.S. in E.E., Texas A&M University	

## WHARTON COUNTY JUNIOR COLLEGE PRESIDENTS

<b>John M. Hodges</b>	1946-1962
<b>Travis M. McKenzie</b>	1962-1966
<b>Theodore Nicksick, Jr.</b>	1966-1984
<b>Elbert C. Hutchins</b>	1984-1994
<b>Frank Robert Vivelto</b>	1994-2001
<b>Betty McCrohan</b>	2001-present

## WHARTON COUNTY JUNIOR COLLEGE FOUNDERS

<i>Post-War Planning: Planning Committee (1944-1945)</i>	<i>Wharton County Junior College Committee (1945-1946)</i>
--	--

Sol Alpard	PD. Gertson (Chair)
Jack Bond J.B.	A.T. Green
Damron Julius	F.S. Haines (Vice-Chair)
Gensberg Frank	Alex Harrison
Haines Alex	Ed Holub
Harrison	A.J. Labay
Charles P. McElroy (Chair)	Henry L. Langford ((Treasurer)
Clarence Nash	Charles P. McElroy
T.M. Neal	George C. Mick
John Roten C.H.	A.S. Mitchell
Rugeley Carl	John Roten
Shannon Aaron	C.H.Rugeley
Sharman W.T.	A.H. Sharman
Volding Paul	Harold Stevens (Secretary)
Wadler	W.D. Stovall
Louie f. Worthing	Alfred Thonsgaard
R.D. Wright	

## WHARTON COUNTY JUNIOR COLLEGE FIRST BOARD OF TRUSTEES

Installed April 17, 1946

F.J.L. Blasingame (Chair)	Donald M. Duson (Vice-Chair)
J.R. Peace (Secretary)	Harold Hansen
Richard E. Meek	Lottie N. Mullins
Carl N. Reynolds	

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## Housing Application

Term: Fall \_\_\_\_ 20\_\_ Spring \_\_\_\_ 20\_\_

Name: \_\_\_\_\_  
Last First M I

Home Address \_\_\_\_\_  
Street or P O Box City State Zip

Date of Birth \_\_\_\_\_ Age \_\_\_\_\_ Social Security # \_\_\_\_\_

Student Cell # \_\_\_\_\_ Classification: Freshman ☐ Sophomore ☐

Parents' Name \_\_\_\_\_ Parents' Phone \_\_\_\_\_

Parents' Address (if different from above) \_\_\_\_\_

*Wharton County Junior College seeks to provide equal education opportunities without regard to race, color, religion, national origin, sex, age, handicap, or veteran status.*

Sex: Male ☐ Female ☐

Dorm Preference: Frankie Hall (male dorm) ☐ Mullins Hall (On campus female dorm) ☐  
Brooking Hall (Off campus female dorm) ☐

Roommate Preference (if known) \_\_\_\_\_

College Major: \_\_\_\_\_ Hobbies: \_\_\_\_\_

WCJC Scholarship (if applicable): Art ☐ Band ☐ Baseball ☐ Choir ☐ Drama ☐ Rodeo ☐ Volleyball ☐

To be valid, this application must be accompanied by a \$200 deposit and the release of background information form along with the \$15 fee. To cancel the residence hall reservation and contract, the student must submit a request in writing to the Student Housing Department 15 calendar days before the first day of class. Failure to cancel a reservation as outlined above will result in the forfeiture of the entire room deposit.

### Bacterial Meningitis Vaccination Requirement

In compliance with HB 4189, a first time student attending an institution of higher education, including a transfer student, who has been approved to reside in an on-campus student housing facility, must provide written documentation of having received the bacterial meningitis vaccination. Evidence of the student having received the vaccination from an appropriate health practitioner must be received by the Office of Student Services – Housing. The student must have received the vaccination at least 10 days prior to the student taking up residence in on-campus housing. A student, or a parent or guardian of a student, is not required to submit evidence of receiving the vaccination against bacterial meningitis under 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 required 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, including a religious belief. A conscientious exemption form from the Texas Department of State Health Services must be used. <https://webds.dshs.state.tx.us/immco/affidavit.shtml>

Applicant's Signature \_\_\_\_\_

Date \_\_\_\_\_

Parent/Guardian Signature \_\_\_\_\_  
(if applicant is under 18 years of age)

Date \_\_\_\_\_

Return to Student Housing Department  
Wharton County Junior College  
911 Boling Highway  
Wharton, TX 77488  
(979) 532-4560 or (800) 561-9252



## ***Wharton County Junior College***

### **RELEASE OF BACKGROUND INFORMATION**

All housing applicants are required to complete a Release of Background Information form. Documentation is required to obtain the criminal history record information. The required documentation includes a copy of the applicant's current Driver's License or State Identification number. A Passport or Military I.D. may be used. In addition, you must enclose a \$15 non-refundable fee. The fee may be in the form of a check or money order and may be added to the \$200.00 residence hall damage deposit (total check or money order would be \$215.00). Applicants with declined housing applications may request a full refund of their damage deposit. Questions should be directed to Wharton County Junior College at 979-532-6368 or 979-532-6388.

I, \_\_\_\_\_, an applicant for residency in Wharton County Junior College's Student Housing, hereby authorize Wharton County Junior College to obtain criminal history record information from any law enforcement agencies, which may have criminal history record information on me, including but not limited to arrests, investigation, convictions, and other reports. I hereby release Wharton County Junior College and any law enforcement agencies receiving a copy of authorization from liability for the release of any information to Wharton County Junior College. An applicant with a pending charge or a conviction for a felony, class A misdemeanor or class B misdemeanor may have their housing application declined by Wharton County Junior College. In addition, I certify that I have submitted correct and updated information concerning any legal issues.

Applicant's Name (print) \_\_\_\_\_

Social Security No. \_\_\_\_\_

Applicant's Signature \_\_\_\_\_

M / F (circle one) Date of Birth \_\_\_\_\_

Maiden Name (if applicable) \_\_\_\_\_

Type of Documentation (**check one and send a copy**):

[ ] Driver's License No. \_\_\_\_\_ State Issued \_\_\_\_\_

[ ] State Identification No. \_\_\_\_\_ State Issued \_\_\_\_\_

[ ] Passport No. \_\_\_\_\_

Please list all Convictions or Pending Charges



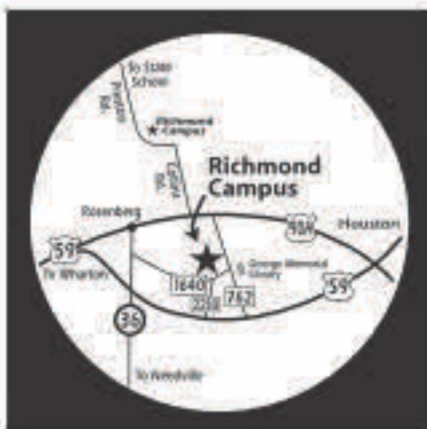
# Wharton County Junior College



**WHARTON CAMPUS**  
911 Boling Highway  
Wharton, TX 77488-0080  
(979) 532-4560  
or 800-561-WCJC (9252)



**SUGAR LAND CAMPUS**  
14004 University Blvd.  
Sugar Land, TX 77479  
(281) 243-8447  
or 800-561-WCJC (9252)



**FORT BEND TECHNICAL CENTER**  
**RICHMOND CAMPUS**  
5333 FM 1640  
Richmond, TX 77469  
(281) 239-1500  
or 800-561-WCJC (9252)



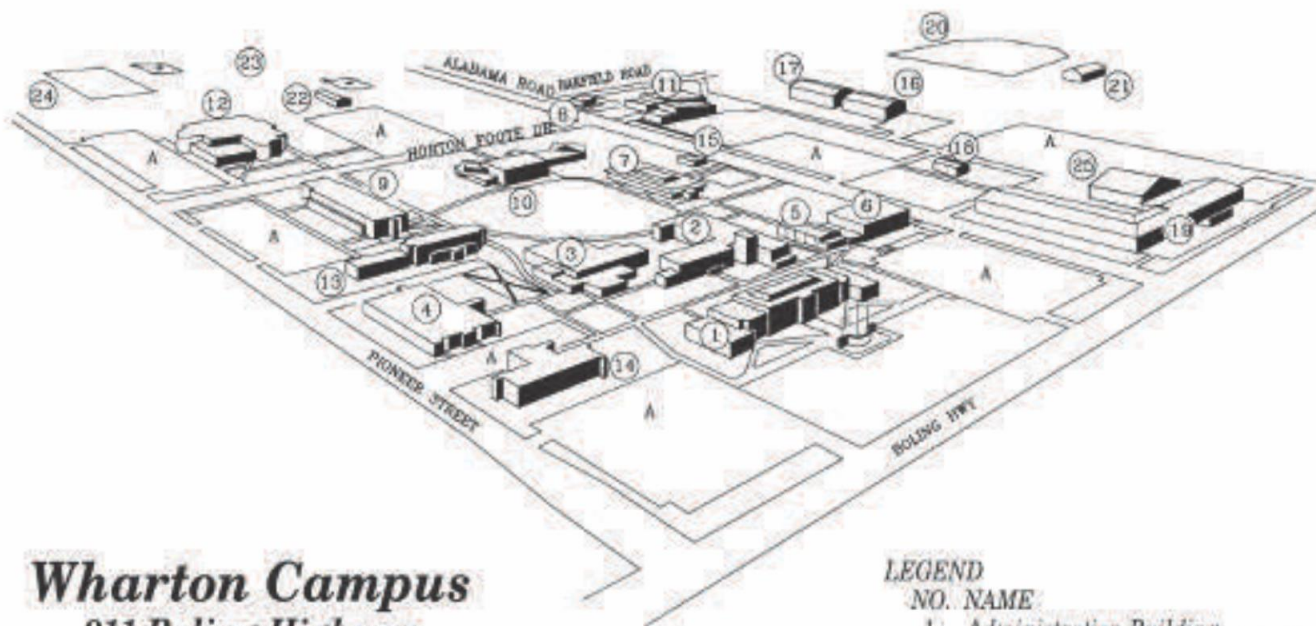
**BAY CITY CAMPUS**  
4000 Avenue F, Ste. B  
Bay City, TX 77414  
(979) 244-4552

**College Extension Centers in  
El Campo and Palacios**  
Call 1-800-561-WCJC (9252)  
wcjc.edu





# Wharton County Junior College



## Wharton Campus

911 Boling Highway  
Wharton, TX 77488

### LEGEND

#### NO. NAME

1. Administration Building
2. F.J.L. Blasingame Science Building
3. J. M. Hodges Learning Center
4. Hutchins Memorial Center
5. Ty Pate Fitness Center
6. Gymnasium
7. Pioneer Student Center
8. Teachers Credit Union Bldg.
9. J.R. Peace Building
10. Dusen-Hansen Building
11. Carl N. Reynolds Bldg.
12. M.G. & Lillie A. Johnson Health Occupations Center
13. Frankie Hall
14. Mullins Hall
15. Distance Education Center
16. Maintenance Shop
17. Storage
18. Greenhouse
19. LaDieu Technology Center
20. Rodeo Arena
21. Horse Stable
22. Baseball Batting Cage
23. Baseball Practice Fields
24. Kelley Tennis Center
25. LaDieu Horticultural Extension Center
- A. Parking



# Wharton County Junior College

911 Boling Highway  
Wharton, TX 77488-0080

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## start smart

 *Wharton County Junior College*

### Campuses:

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Wharton, TX 77488-0080  
(979) 532-4560

**SUGAR LAND CAMPUS**  
14004 University Boulevard  
Sugar Land, TX 77479  
(281) 243-8447

**FORT BEND TECHNICAL CENTER**  
**RICHMOND CAMPUS**  
5333 FM 1640  
Richmond, TX 77469  
(281) 239-1500

**BAY CITY CAMPUS**  
4000 Avenue F, Ste. B  
Bay City, TX 77414  
(979) 244-4552

### Extension Centers:

**EL CAMPO**  
**NORTHSIDE CENTER**  
707 N. Fahrenthold Street  
El Campo, TX 77437

**PALACIOS MARINE**  
**EDUCATION CENTER**  
100 Marine Center Drive  
Palacios, TX 77465

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**For your convenience, please call**

**1-800-561-WCJC (9252)**

Office of Admissions and Registration..... Ext. 6303  
Office of Continuing Education..... Ext. 1511  
Office of Distance Education..... Ext. 6336  
Office of Financial Aid..... Ext. 6345  
Office of Student Services..... Ext. 6388  
Office of Testing..... Ext. 6386