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ACCOUNTING

Workforce Development Certificate

Program Description:

This program is designed to develop the marketable skills necessary to function in a variety of positions in the field of accounting. The program provides upgraded training for those people already employed in the area of accounting who desire advancement. There are four certificate options available, varying from 21-30 credit hours of which 12-21 are in accounting.

Degree Awarded: Certificate of Achievement
Common Course Requirements Credit Hours: 15
Accounting 6 hours

ACCT 2213 Financial Accounting

*ACCT 2223 Managerial Accounting

Computer Information Systems 9 hours

CSCI 1203 Computer Concepts and Applications

*CSCI 2033 Excel

*CSYS 2073 MS Office

Select one of the following four (4) certificate options:

- 1) Accounting Specialist
- 2) Accounting Software Application Specialist
- 3) Income Tax Specialist
- 4) Payroll Administration Specialist

1) Accounting Specialist Option: 15 hours

*ACCT 2233 Financial Accounting Applications

*ACCT 2313 Intermediate Accounting I

*ACCT 2333 Cost Accounting

*ACCT 2363 Income Tax I

*ACCT 2523 Accounting Software Applications

2) Accounting Software Application Specialist Option: 15 hours

*ACCT 2433 Computerized Business Income Taxes

*ACCT 2243 Payroll Administration

*ACCT 2253 Peachtree

*ACCT 2263 QuickBooks Pro Comprehensive

*ACCT 2523 Accounting Software Applications

3) Income Tax Specialist Option: 9 hours

*ACCT 2363 Income Tax I

*ACCT 2403 Income Tax II

*ACCT 2433 Computerized Business Income Taxes

4) Payroll Administration Specialist Option: 6 hours

*ACCT 2243 Payroll Administration

*ACCT 2523 Accounting Software Applications

Total Credit Hours: 21-30

*Course has prerequisite (See course description section of catalog).

ACCOUNTING ASSISTANT

Workforce Development Certificate

Program Description:

This program provides the student with a basic knowledge of Generally Accepted Accounting Principles (GAAP) and their application. The student will gain knowledge and skills for entry-level positions in various business related fields. The certificate provides training in accounting software and Excel to enhance skills necessary in the business world. This certificate requires a total of 30 credit hours of which 12 are in accounting.

Degree Awarded: Certificate of Achievement
Accounting 12 hours

ACCT 2213 Financial Accounting

*ACCT 2223 Managerial Accounting

*ACCT 2233 Financial Accounting Applications

*ACCT 2523 Microcomputer Accounting Applications

Business/Computer Information Systems 9 hours

CSCI 1203 Computer Concepts and Applications

*CSCI 2033 Excel

and select 3 credit hours from the following:

BUSN 1123 Keyboarding I

Any Computer Information Systems (CSCI/CSYS) courses.
Business or Psychology 3 hours
Select one course from the following:

BUSN 1313 Employee/Employer Relations

*BUSN 2213 Small Business Management

PSYC 1313 Human Relations

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

*ENGL 2343 Business Communication I

Total Credit Hours: 30

*Course has prerequisite (See course description section of catalog).

**Recommended to be taken during the first term.

ACCOUNTING ASSOCIATE

Workforce Development Degree

Program Description

This program is designed to provide the student with an effective working knowledge of the various accounting principles and accounting practices. The student will develop the skills necessary to communicate in a business environment utilizing Generally Accepted Accounting Principles (GAAP), double entry accounting, accounts receivable, and accounts payable management, reconciling, budgeting, cost accounting, and compiling and analyzing reports. This program also

provides training for those people who need accounting for effective business operations such as owners, managers, or employees. The degree requires a total of 60 credit hours of which 27-30 are in accounting.

Degree Awarded: Associate in Applied Science

General Education Requirements Credit Hours: 18

Economics 3 hours

ECON 2013 Principles of Macroeconomics

English 6 hours

*ENGL 1113 Composition I

And select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

*ENGL 2343 Business Communication I

Mathematics 3 hours

**MATH 1513 College Algebra

Social Science 6 hours

POLS 1113 American Federal Government

And select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit hours: 42

Accounting 12 hours

ACCT 2213 Financial Accounting

*ACCT 2223 Managerial Accounting

*ACCT 2233 Financial Accounting Applications

*ACCT 2243 Payroll Administration

Computer Information Systems 9 hours

CSCI 1203 Computer Concepts and Applications

*CSCI 2033 Excel

*CSYS 2073 MS Office

Select one of the following options:

1) Accounting Specialist

2) Accounting Software Application Specialist

1) Accounting Specialist 21 hours

Accounting 15 hours

*ACCT 2313 Intermediate Accounting I

*ACCT 2323 Intermediate Accounting II

*ACCT 2333 Cost Accounting

*ACCT 2363 Income Tax I

*ACCT 2523 Accounting Software Applications

Business 6 hours

BUSN 2313 Business Law I

*BUSN 2213 Small Business Management

2) Accounting Software Application Specialist Option: 21 hours

Accounting 18 hours

*ACCT 2253 Peachtree

*ACCT 2263 QuickBooks Pro Comprehensive

*ACCT 2273 Microsoft Office Accounting

*ACCT 2523 Accounting Software Applications

*ACCT 2433 Computerized Business Income Taxes

*ACCT 2563 Accounting Internship

Business 3 hours

*BUSN 2213 Small Business Management

Total Credit Hours: 60

*Course has prerequisite (see course description section of catalog).

** Recommended to be taken during first term.

ART

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Program Description:

Throughout history, no culture has ever persisted without some form of art. The fine arts - painting, sculpture and architecture - express our culture. The applied arts touch an infinite list of things in our environment from packaging, magazines, web design, and television to interior design. A liberal education that does not include familiarity with the history and language of art is lacking. The primary purpose of TCC's art program is to develop a basic historical, conceptual, and technical education in art. Believing that the artist's success is dependent on both creative vision and technical expertise, the program encourages excellence, critical inquiry, and experimentation.

Degree Awarded: Associate in Arts

For More Information Contact:

Liberal Arts Division: Metro: (918) 595-7118

West: (918) 595-8079

General Education Requirements Credit Hours: 37

See the General Education Requirements list for complete list.

Specialized Course Requirements Credit Hours: 23-24

Art

Lecture 9 hours

ART 1053 Art History Survey I

*ART 2503 Professional Practice

and select one course from the following

ART 1063 Art History Survey II

ART 2053 Art History Survey IV

Studio 12 hours

ART 1013 Fundamentals of Art I

*ART 1023 Painting I

*ART 1033 Painting II

ART 1083 Fundamentals of Art II

Continued >>

- *ART 1123 Drawing I
- *ART 1133 Drawing II
- *ART 2063 Watercolor I
- *ART 2073 Watercolor II
- *ART 2083 Sculpture I
- *ART 2093 Sculpture II
- *ART 2143 Figure Drawing I
- *ART 2153 Figure Drawing II
- *ART 2223 Printmaking I
- *ART 2233 Printmaking II
- *ART 2243 Serigraphy I
- *ART 2253 Serigraphy II
- *ART 2263 Introduction to Ceramics
- *ART 2313 Jewelry I
- *ART 2323 Jewelry II
- *ART 2403 Illustration I
- *ART 2413 Typography I
- *ART 2423 Graphic Design I
- ART 2853 Photography

Recommended Electives 2-3 hours

- *ART 2530 Field Studies in Art
- HIST 1053 Ancient and Medieval Western Civilization
- HUMN 2113 Humanities I
- HUMN 2223 Humanities II
- MUSC 1113 Music Appreciation
- PSYC 1113 Introduction to Psychology
- SOCI 1113 Introduction to Sociology
- SOCI 2123 Introduction to Cultural Anthropology
- THEA 1093 Introduction to Theatre

Total Credit Hours: 60-61

*Course has prerequisite (See course description section of catalog). To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements. Physical Education activity classes do not count toward the associate degree requirements in this curriculum at TCC.

AVIATION SCIENCES TECHNOLOGY

Maintenance Technology Option
University Transfer Degree

Program Description:

This option provides an opportunity for Federal Aviation Administration Airframe and Powerplant Certified Technicians to develop skills in mathematics, physics, humanities and social sciences and to earn an Associate in Applied Science Degree.

Students should consult with the Tulsa Community College aviation counselor at the Tulsa Technology Center Riverside Campus before enrolling in this option.

Degree Awarded: Associate in Applied Science

General Education Requirements Credit Hours: 35

Economics 3 hours

- *ECON 2023 Principles of Microeconomics

English 6 hours

- *ENGL 1113 Composition I
- *ENGL 1213 Composition II

Geography 3 hours

- GEOG 1043 Introduction to Cultural Geography

Mathematics 6 hours

- *MATH 1513 College Algebra
- *MATH 2193 Elementary Statistics

Sciences 8 hours

- ASTR 1104 General Astronomy
- *PHYS 1114 General Physics I
- *CHEM 1114 Principles of Chemistry
- BIOL 1114 General Biology for Non-Majors

Social Science 6 hours

- POLS 1113 American Federal Government
- and select one course from the following:**
- HIST 1483 U.S. History 1492 to Civil War Era
- HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

- SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 33

Aviation Sciences Technology 30 hours

- **AVST 1209 Aviation Maintenance
- ** *AVST 1239 Airframe
- ** *AVST 1259 Powerplant
- AVST 2113 History of Aviation

Computer Information Systems 3 hours

- CSCI 1203 Computer Concepts and Applications

Total Credit Hours: 68

*Course has prerequisite (See course description section of catalog). **Students who have graduated from an FAA approved Aviation Maintenance Technology Program and have a valid FAA license may apply for advanced standing credit in these courses. Application must be made in the Counseling and Testing Center at the Northeast Campus. **NOTE** - Specialized Course Requirements. These courses should be taken at Tulsa Technology Center or any other educational institution which offers FAA approved programs. **NOTE** - It is recommended that students take MGMT 2103 Workforce Development Internship during the last term before graduation to enhance employability.

AVIATION SCIENCES TECHNOLOGY

Air Traffic Control Option
Workforce Development Degree

Program Description:

This program option provides training in the application of terminal tower and radar approach control procedures. The program is designed to offer students aviation subjects related to air traffic control. Upon successful completion of the program students are prepared to apply for entry to the Federal Aviation Administration Air Traffic Control Academy. The curriculum is provided through use of high-fidelity control tower simulation and radar approach simulation in state-of-the-art facilities to meet the changing needs of the air traffic control industry.

Procedures for enrolling in Aviation Courses:

- All prospective air traffic control students must meet with the TCC aviation counselor at the Tulsa Technology Center Riverside Campus located at 801 East 91st Street.
2. Potential air traffic control students must provide the following documents to the aviation counselor:
 - a. Proof of U.S. citizenship in form of:
 - i. An original birth certificate with raised seal documenting birth in the United States or one of its territories.
 - ii. A valid, unexpired United States passport.
 - iii. An original U.S. Naturalization Certificate with raised seal, Form N-550 or Form N-570.
 - iv. An original certification of birth abroad, Form FS-545 or Form DS-1350, or
 - v. An original Certificate of U.S. Citizenship, Form N-560 or Form N-561.
 - b. Current FAA Medical.

Degree Awarded: Associate in Applied Science**General Education Requirements Credit Hours: 21****English 6 hours**

- *ENGL 1113 Composition I
- *ENGL 2333 Technical/Professional Writing

Mathematics 3 hours

- *MATH 1513 College Algebra

Social Science 6 hours

- POLS 1113 American Federal Government
- and select one course from the following:**
- HIST 1483 U.S. History 1492 to Civil War Era
- HIST 1493 U.S. History Civil War Era to Present

Psychology/Speech 3 hours**select one course from the following:**

- PSYC 1113 Introduction to Psychology
- SPCH 1113 Speech Communication I

Philosophy 3 hours

- PHIL 2113 Logic

Specialized Course Requirements Credit Hours: 39-40**Aviation Sciences Technology 34 hour**

- AVST 1113 Private Pilot Ground School
- AVST 1222 Private Pilot Flight Lab
- *AVST 1343 Introduction to Air Traffic Control
- *AVST 1354 Air Traffic Control Tower Operation I
- *AVST 1364 Air Traffic Control Radar Operation I
- AVST 2213 Instrument Pilot Ground School
- *AVST 2226 Air Traffic Control Tower Operation II
- *AVST 2236 Air Traffic Control Radar Operation II
- *AVST 2253 Air Traffic Control Meteorology

Computer Information Systems 3 hours

- CSCI 1203 Computer Concepts and Applications

Controlled Electives 2-3 hours

Select from general education electives

Total Credit Hours: 60-61

*Course has prerequisite (See course description section of catalog).
Enrollment in program requires approval of Aviation counselor.

AVIATION SCIENCES TECHNOLOGY**Management Option****University Transfer Degree****Program Description:**

This option is designed to educate future managers for the aviation industry. The curriculum stresses scientific principles, the human side of management, computer knowledge, critical thinking, cognitive and analytical skills, and communication skills, in addition to mathematics, science and technology. Upon successful completion the student will be awarded an Associate in Applied Science degree.

Students should consult with the Tulsa Community College aviation counselor at the Tulsa Technology Center Riverside Campus before enrolling in this option.

Degree Awarded: Associate in Applied Science**General Education Requirements Credit Hours: 41****Economics 3 hours**

- *ECON 2023 Principles of Microeconomics

English 6 hours

- *ENGL 1113 Composition I
- *ENGL 1213 Composition II

Geography 3 hours

- GEOG 1043 Introduction to Cultural Geography

Humanities 3 hours**Select one course from the following:**

- HUMN 2113 Humanities I
- HUMN 2223 Humanities II
- PHIL 1113 Introduction to Philosophy
- PHIL 1143 Introduction to Business Ethics: Business Issues

Mathematics 6 hours

- *MATH 1513 College Algebra
- *MATH 2193 Elementary Statistics

Psychology 3 hours

- PSYC 1113 Introduction to Psychology

Sciences 8 hours**Select two courses from the following:**

- ASTR 1104 General Astronomy
- BIOL 1114 General Biology for Non-Majors
- *CHEM 1114 Principles of Chemistry
- *PHYS 1114 General Physics I

Social Science 6 hours

- POLS 1113 American Federal Government
- and select one course from the following:**
- HIST 1483 U.S. History 1492 to Civil War Era
- HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

- SPCH 1113 Speech Communication I

Continued >>

Specialized Course Requirements Credit Hours: 21
Accounting 6 hours

ACCT 2213 Financial Accounting

*ACCT 2223 Management Accounting

Aviation Sciences Technology 6 hours

AVST 1113 Private Pilot Ground School

AVST 2113 History of Aviation

Computer Information Systems 3 hours

CSCI 1203 Computer Concepts and Applications

Economics 3 hours

ECON 2013 Principles of Macroeconomics

Management 3 hours

MGT 1353 Management Essentials

Total Credit Hours: 62

*Course has prerequisite (See course description section of catalog).
 NOTE - It is recommended that students take MGMT 2103 Workforce Development Internship during the last term before graduation to enhance employability.

AVIATION SCIENCES TECHNOLOGY

Professional Pilot Option

University Transfer Degree

Program Description:

The student will be provided with the ground school and flight training necessary to acquire a Federal Aviation Administration (FAA) Private Pilot Instrument and Commercial certification.

Upon successful completion, the student will be awarded an Associate in Applied Science degree. TCC Professional Pilot School is an FAA Part 141 approved Pilot School.

Students completing this degree may transfer to an Oklahoma baccalaureate college or university with a Professional Pilot program. Transfer credit varies by institution. Students should consult with the college catalog or a transfer counselor at the specific college/university they plan to attend for further information.

Procedures for enrolling in Aviation Courses:

All prospective flight students must meet with the TCC aviation counselor at the Tulsa Technology Center Riverside Campus located at 801 East 91st Street.

2. Potential flight students must provide the following documents to the aviation counselor:
 - a. Proof of U.S. citizenship in form of:
 - i. An original birth certificate with raised seal documenting birth in the United States or one of its territories,
 - ii. A valid, unexpired United States passport,
 - iii. An original U.S. Naturalization Certificate with raised seal, Form N-550 or Form N-570,
 - iv. An original certification of birth abroad, Form FS-545 or Form DS-1350, or
 - v. An original Certificate of U.S. Citizenship, Form N-560 or Form N-561.
 - b. Current FAA Medical

Note: A student seeking a Professional Pilot Degree must complete two or more flight labs through TCC resident credit.

Degree Awarded: Associate in Applied Science
General Education Requirements Credit Hours: 37
Economics 3 hours

*ECON 2023 Principles of Microeconomics

English 6 hours

*ENGL 1113 Composition I

*ENGL 1213 Composition II

Geography 3 hours

GEOG 1043 Introduction to Cultural Geography

Humanities 3 hours
Select one course from the following:

HUMN 2113 Humanities I

HUMN 2223 Humanities II

PHIL 1113 Introduction to Philosophy

PHIL 1143 Introduction to Business Ethics: Business Issues

Mathematics 6 hours

*MATH 1513 College Algebra

*MATH 1613 Plane Trigonometry

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Sciences 4 hours

*PHYS 1114 General Physics I

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 27
Aviation Sciences Technology 24 hours

AVST 1113 Private Pilot Ground School

*AVST 1222 Private Pilot Flight Lab

*AVST 1403 Advanced Theory of Flight

AVST 2113 History of Aviation

*AVST 2122 Cross-Country Flight Lab

*AVST 2132 Instrument Flight Lab

*AVST 2142 Commercial Flight Lab

AVST 2191 Validation Flight

*AVST 2213 Instrument Pilot Ground School

*AVST 2313 Commercial Pilot Ground School

Computer Information Systems 3 hours

CSCI 1203 Computer Concepts and Applications

Total Credit Hours: 64

*Course has prerequisite (See course description section of catalog).

NOTE - All students who are not U.S. Citizens must meet all Transportation Safety Administration clearance requirements before being enrolled in the aviation courses.

NOTE - It is recommended that students take MGMT 2103 Workforce Development Internship during the last term before graduation to enhance employment.

BIOLOGY

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Program Description:

Majoring in the biological sciences is a likely choice for the student who is curious about life, creative, highly motivated, and interested in solving biological problems. Biologists are involved in agriculture, forestry, wildlife management, environmental science and other fields that make the world a healthier and safer place to live. The biological sciences will also prepare the student for entry into one of a variety of technical fields in Allied Health.

Degree Awarded: Associate in Science

For More Information Contact:

Science and Mathematics Divisions: Metro: (918) 595-7334, Northeast: (918) 595-7542, Southeast: (918) 595-7742, West: (918) 595-8193

General Education Requirements Credit Hours: 27

See the General Education Requirements list for complete list. Science and Mathematics requirements satisfied in Specialized Course Requirements section.

Specialized Course Requirements Credit Hours: 34

Biology 16 hours

BIOL 1224 Introduction to Biology for Majors
 *BIOL 1404 General Botany
 *BIOL 1604 Zoology
 *BIOL 2134 Human Anatomy
 *BIOL 2154 Human Physiology
 *BIOL 2164 Microbiology

Chemistry 15 hours

*CHEM 1315 General Chemistry I
 *CHEM 1415 General Chemistry II
 *CHEM 2145 Organic Chemistry I
 *CHEM 2245 Organic Chemistry II

Mathematics 3 hours

*MATH 1513 College Algebra
 *MATH 1613 Plane Trigonometry
 *MATH 1715 College Algebra and Trigonometry
 *MATH 2114 Analytic Geometry and Calculus I
 *MATH 2124 Analytic Geometry and Calculus II
 *MATH 2134 Analytic Geometry and Calculus III

Additional Recommended Courses

(not required for degree)
 CSCI 1203 Computer Concepts and Applications
 *MATH 2193 Elementary Statistics
 PSYC 1113 Introduction to Psychology

Total Credit Hours: 61

*Course has prerequisite (See course description section of catalog). To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

BIOTECHNOLOGY

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Program Description:

Students will be educated in the fundamentals of biology, chemistry and biochemistry with heavy emphasis on a wide range of laboratory procedures. The topics of lab safety, protein isolation and separation techniques, cell culture, molecular biology and recombinant DNA, and quality control will be addressed as they apply to both a manufacturing and research environment.

Degree Awarded: Associate in Science

For More Information Contact:

Science and Mathematics Division, Southeast Campus
 (918) 595-7742

Contact the Science and Mathematics Division or see an advisor for recommended course sequence.

General Education Requirements Credit Hours: 24

Science and recommended general education elective requirements are satisfied in the Specialized Course Requirements section for this degree.

English 6 hours

*ENGL 1113 Composition I
 *ENGL 1213 Composition II

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Humanities 6 hours

See General Education Requirement page for complete list.
 PHIL 2153 Medical Ethics recommended.

Continued >>

Mathematics 3 hours

*MATH 1513 College Algebra

Required Electives 3 hours

 Select one 3-hour course from one of the following:
 Psychology, Social Sciences, Foreign Language, or Fine Arts.
 (Art, Music, Theatre)

Specialized Course Requirements Credit Hours: 43
Biology 4 hours

*BIOL 2164 Microbiology

Biotechnology 24 hours

 BIOT 1113 Introduction to Biotechnology
 *BIOT 1315 Biotechnology Laboratory Methods & Techniques
 *BIOT 1534 Cell Culture Techniques
 *BIOT 2246 Molecular Biology and Techniques
 *BIOT 2335 Proteomics and Instrumentation
 *BIOT 2101 Biotechnology Quality Assurance

Chemistry 15 hours

 *CHEM 1315 General Chemistry I
 *CHEM 1415 General Chemistry II
 *CHEM 2145 Organic Chemistry I

Additional Recommended Courses

 (not required for degree)
 *ENGL 2333 Technical Professional Writing
 *MATH 2193 Elementary Statistics
 *CHEM 2353 Introduction to Biochemistry
 *CHEM 2245 Organic Chemistry II

Total Credit Hours: 67

*Course has prerequisite (See course description section of catalog). To receive an A. A. or A. S. Degree, students must demonstrate computer proficiency. See page 22 for complete requirements.

BIOTECHNOLOGY

Workforce Development Degree

Program Description:

This program is designed for students who wish to acquire the skills necessary to work in the field of biotechnology. Students will be educated in the fundamentals of biology, chemistry, and biochemistry with heavy emphasis on a wide range of laboratory procedures. The topics of lab safety, protein isolation and separation techniques, cell culture, molecular biology and recombinant DNA will be included. The topics of technical writing, medical ethics and quality control will be addressed as they apply to both a manufacturing and research environment.

Degree Awarded: Associate in Applied Science
For More Information Contact:

 Science and Mathematics Division:
 Southeast Campus (918) 595-7742

Contact the Science and Mathematics Division or see an advisor for recommended course sequence.
General Education Requirements Credit Hours: 21
English 6 hours

 ENGL 1113 Composition I
 *ENGL 2333 Technical /Professional Writing

Social Science 6 hours

 POLS 1113 American Federal Government
and select one course from the following
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War to Present

Humanities 3 hours

PHIL 2153 Medical Ethics

Mathematics 6 hours

 *MATH 1513 College Algebra
 *MATH 2193 Elementary Statistics

Specialized Course Requirements Credit Hours: 42
Biology 8 hours

 BIOL 1224 Introduction to Biology for Majors
 *BIOL 2164 Microbiology

Biotechnology 26 hours

 BIOT 1113 Introduction to Biotechnology
 *BIOT 1315 Biotechnology Laboratory Methods & Techniques
 *BIOT 1534 Cell Culture Techniques
 *BIOT 2246 Molecular Biology and Techniques
 *BIOT 2335 Proteomics and Instrumentation
 *BIOT 2101 Biotechnology Quality Assurance
 *BIOT 2512 Biotechnology Apprenticeship

Chemistry 8 hours

 *CHEM 1114 Principles of Chemistry
 * **CHEM 1124 Introductory Organic and Biochemistry

Total Credit Hours: 63

 *Course has prerequisite (see course description section of catalog).
 **Admissions to Biotechnology program or permission of instructor.

BIOTECHNOLOGY

Workforce Development Certificate

Program Description:

This program is for students who desire to acquire or upgrade their skills in the area of biotechnology. It is assumed that students will have the required background in the biological sciences and chemistry prior to entering this program. Students will be trained in the practices and procedures of biotechnology as well as in the theory behind the procedures so that they will be prepared to extrapolate present knowledge to solve problems faced in the future. There will be a heavy emphasis on a wide range of laboratory procedures. The topics of lab safety, protein isolation and separation techniques, cell culture, molecular biology and recombinant DNA, and quality control will be addressed as they apply to both a manufacturing and research environment.

Degree Awarded: Certificate of Achievement

For More Information Contact:

Science and Mathematics Division:
Southeast Campus (918) 595-7742

Please contact the Science and Mathematics Division or see an advisor for recommended course sequence.

Biotechnology 26 hours

BIOT 1113 Introduction to Biotechnology

*BIOT 1315 Biotechnology Laboratory Methods and Techniques

*BIOT 1534 Cell Culture Techniques

*BIOT 2246 Molecular Biology and Techniques

*BIOT 2335 Proteomics and Instrumentation

*BIOT 2101 Biotechnology Quality Assurance

*BIOT 2512 Biotechnology Apprenticeship

Total Credit Hours: 26

*Course has prerequisite (See course description section of catalog.)

BUSINESS**Workforce Development Degree****Program Description**

The Business program provides students with the skills and knowledge needed to work effectively in a variety of business settings. Each option provides students with a solid foundation in the area of business for their chosen field. In addition, students should develop an appreciation for the social, political and economic environment in which business operates.

Degree Awarded: Associate in Applied Science**General Education Requirements Credit Hours: 18****Economics 3 hours**

ECON 2013 Principles of Macroeconomics

English 6 hours

*ENGL 1113 Composition I

and select 3 credit hours from the following courses:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

*ENGL 2343 Business Communication I

Philosophy/Psychology 3 hours

**PHIL/BUSN 1143 Introduction to Ethics: Business Issues

PSYC 1313 Human Relations

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 42**Core Business Courses 18 hours****Accounting 3 hours**

ACCT 2213 Financial Accounting

Business 9 hours

BUSN 1053 Introduction to Business

BUSN 1353 Business Mathematics

BUSN 2313 Business Law I

Computer Information Systems 3 hours

CSCI 1203 Computer Concepts and Applications

Economics 3 hours

ECON 1353 Personal Finance

Choose from one of the following four (4) degree options:

1) Administrative Careers

2) General Business

3) Health Care Business Operations

4) Hospitality Management

1) Administrative Careers Option 24 hours

The Administrative Career option provides a broad selection of understanding and skills necessary to succeed in the many diverse environments. Developing skills sets in accounting, business computers, and digital media as well as general education classes will prepare the student for today's workforce.

Business 12 hours

*BUSN 2173 Skillbuilding and Document Processing

*BUSN 2183 Word Processing

*BUSN 2643 Procedures for Administrative Careers

*BUSN 2683 Administrative Careers Internship

Computer Information Systems 9 hours

*CSCI 2033 Excel

*CSYS 1033 Adobe Photoshop

*CSYS 1043 Adobe Acrobat

Controlled Electives 3 hours

Select one course from the following:

ALDH 1323 Medical Terminology

MGMT 2363 Principles of Management

*PLGL 2413 Law Office Systems and Procedure

2) General Business Option 24 hours**Accounting 3 hours**

*ACCT 2223 Managerial Accounting

Business 3 hours

*BUSN 2213 Small Business Management

Economics 3 hours

ECON 2023 Principles of Microeconomics

Management 3 hours

MGMT 2363 Principles of Management

Marketing 3 hours

MKTG 2423 Principles of Marketing

Computer Information Systems 3 hours

Select one course from the following:

*CSYS 2073 MS Office

*CSCI 2033 Excel

Continued >>

Controlled Electives 6 hours
Select two courses from the following:

BUSN 1153 Intro to Hospitality - Hotels, Restaurants and Tourism
 BUSN/SPCH 2053 Intercultural Communication
 ECON 2123 International Economic Issues
 *MGMT 2103 Workforce Development Internship
 MGMT 2123 Leadership Development
 MGMT 2323 Organizational Behavior
 *MGMT 2353 Business Policy
 MKTG 2343 Customer Service

3) Health Care Business Operations Option 24 hours

This option is designed to prepare students for careers in health care business operations found in physicians' offices, managed practices, health insurance companies, hospitals, geriatric care facilities, public health entities, clinics, as well as many other health care-related organizations. Students will acquire the knowledge and skills necessary for employment and career building within the health care industry. Emphasis will be on health care business skills and accounting.

Accounting 6 hours
Select two courses from the following:

ACCT 2533 Fundamentals of Health Care Accounting
 *ACCT 2543 Management Accounting for Health Care Organizations
 *ACCT 2553 Essentials of Cost Accounting in Health Care Organizations

Allied Health 3 hours

ALDH 1323 Medical Terminology

Business 6 hours

BUSN 1173 Introduction to Health Care Business Operations
 *BUSN 2483 Health Care Law

Computer Information Systems 9 hours

CSYS 1022 MS Word for Medical Documents
 CSCI 1171 Introduction to Web Page Design
 *CSCI 2033 Excel
 *CSYS 2073 MS Office

4) Hospitality Management Option 24 hours

This option provides exposure to a wide variety of business related fields. It is designed for students desiring an entry level supervisory or management position in the field of hospitality, restaurant, and gaming operations. Many of the courses in this program may transfer into a bachelor's degree program. Please consult with an advisor at TCC and/or the university you plan to attend.

Accounting 3 hours

*ACCT 2223 Managerial Accounting

Business 12 hours

**BUSN/PHIL 1143 Introduction to Ethics: Business Issues
 BUSN 1153 Introduction to Hospitality Operations-Hotels, Restaurants and Tourism
 BUSN 2203 Supervision and Leadership - Hospitality Industry
 BUSN 2403 Guest Relations and Customer Service

Marketing 3 hours

MKTG 2423 Principles of Marketing

Controlled Electives 6 hours
Select courses from the following four clusters:
Event Management Cluster 6 hours

EVNT 1113 Meetings and Conventions Management
 *EVNT 2113 Advanced Meetings and Conventions Management
or

Casino Gaming Management Cluster 6 hours

GMOP 1113 Casino Gaming Operations
 *GMOP 1213 Advanced Casino Gaming Operations
or

Hotel Management Cluster 6 hours

BUSN 2813 Legal Issues in Hospitality Management
 *CSYS 2553 Information Technology Services, Hospitality & Gaming Emphasis
or

Restaurant Management Cluster 6 hours

HFSV 1413 Labor and Food Cost Management
 HFSV 2021 Quality Control Procedures for Hospitality
 HFSV 2312 Off-Premise Service Management

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).

**Students can enroll in either PHIL or BUSN if this option is chosen.

BUSINESS

General Administrative Career Workforce Development Certificate

Program Description:

The General Administrative Career Certificate is designed to prepare students for an entry-level position in a variety of professional office environments.

Degree Awarded: Certificate of Achievement
For more Information Contact:

Business and Information Technology Division:
 Metro (918) 595-7039

Business 9 hours

*BUSN 1353 Business Mathematics
 *BUSN 2173 Skillbuilding and Document Processing
 *BUSN 2183 Word for Administrative Careers

Computer Information Systems 6 hours

*CSYS 1043 Adobe Acrobat
 *CSYS 2073 MS Office

Controlled Electives 3 hours
Select one course from the following:

ALDH 1323 Medical Terminology
 MGMT 2363 Principles of Management
 *PLGL 2413 Law Office Systems and Procedure

Total Credit Hours: 18

*Course has prerequisite (See course description section of the catalog).

BUSINESS

Health Care Business Operations Workforce Development Certificate

Program Description:

This certificate is designed to prepare students for an entry-level position in a health care organization business office. After completion of 12 hours of core business courses, students may select from one of two certificate options.

Degree Awarded: Certificate of Achievement

For more Information Contact:

Business and Information Technology Division:
Metro: (918) 595-7039

Core Business Courses 12 hours

Business 9 hours

BUSN 1353 Business Mathematics
BUSN 1173 Introduction to Health Care Business Operations
*BUSN 2483 Health Care Law

Economics 3 hours

ECON 1353 Personal Finance

Select one of the following two certificate options:

- 1) Health Care Accounting
- 2) Health Care Business Operations

1) Health Care Accounting Option 12 hours

Accounting 9 hours

ACCT 2213 Financial Accounting

and select two courses from the following:

ACCT 2533 Fundamentals of Health Care Accounting
*ACCT 2543 Management Accounting for Health Care Organizations
*ACCT 2553 Cost Accounting for Health Care Organizations

Economics 3 hours

ECON 2013 Principles of Macroeconomics

2) Health Care Business Operations 8 hours

Computer Information Systems 5 hours

CSCI 1203 Computer Concepts and Applications
CSYS 1022 MS Word for Medical Documents

Allied Health 3 hours

ALDH 1323 Medical Terminology

Total Credit Hours: 20-24

*Course has prerequisite. (See course description section of catalog)

BUSINESS RELATED FIELDS OF CONCENTRATION

Accounting, Business Administration, Business Education, Economics, Health Care Business Operations, Management, and Management Information Systems

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Science

For More Information Contact:

Business and Information Technology Divisions:
Metro: (918) 595-7039, Northeast: (918) 595-7439,
Southeast: (918) 595-7639, West: (918) 595-8033

General Education Requirements Credit Hours: 31

See the General Education Requirements for complete list. Mathematics and Required Electives requirements are met in specialized course requirements. SPCH 1113 Speech Communication I is highly recommended for transfer to many Oklahoma universities.

Specialized Course Requirements Credit Hours: 30-33

Core Courses 18 hours

Accounting 6 hours

ACCT 2213 Financial Accounting
*ACCT 2223 Managerial Accounting

Economics 6 hours

ECON 2013 Principles of Macroeconomics
*ECON 2023 Principles of Microeconomics

Mathematics 3 hours

*MATH 1513 College Algebra

Computer Information Systems 3 hours

CSCI 1203 Computer Concepts and Applications

Choose from one of the following four (4) degree options:

- 1) Accounting, Business Administration, Business Education, Economics, and Management
- 2) Health Care Business Operations
- 3) Hospitality Management
- 4) Management Information Systems

Continued >>

1) Accounting, Business Administration, Business Education, Economics, and Management Options 12 hours

Controlled Electives** 12 hours

- *ACCT 2243 Payroll Administration
- *ACCT 2393 Accounting Information Systems
- BUSN 2313 Business Law I
- *CSYS 2073 MS Office
- GEOG 1043 Introduction to Cultural Geography
- MGMT 2363 Principles of Management
- MKTG 2423 Principles of Marketing
- *MATH 1613 Plane Trigonometry
- *MATH 2193 Elementary Statistics
- *MATH 2513 Finite Mathematics
- *MATH 2523 Calculus for Business, Life, and Social Sciences
- SPCH 1113 Speech Communication I

2) Health Care Business Operations Option 13 hours

Accounting 3 hours

- ACCT 2533 Fundamentals of Health Care Accounting

Business 7 hours

- BUSN 1173 Introduction to Health Care Business Operations
- BUSN 1301 Medical Vocabulary
- BUSN 2483 Health Care Law

Management 3 hours

- MGMT 2363 Principles of Management

3) Hospitality Management Option 15 hours

Business 9 hours

- BUSN 1153 Introduction to Hospitality Operations - Hotels, Restaurants and Tourism
- BUSN 2203 Supervision and Leadership - Hospitality Industry
- BUSN 2403 Guest Relations and Customer Service

Select 6 hours from the following four (4) areas of emphasis

Casino Gaming Management Emphasis

- GMOP 1113 Casino Gaming Operations
- *GMOP 1213 Advanced Casino Gaming Operations

Event Management Emphasis

- EVNT 1113 Meetings and Conventions Management
- *EVNT 2113 Advanced Meetings and Conventions Management

Hotel Management Emphasis

- BUSN 2813 Legal Issues in Hospitality Management
- *CSYS 2553 Information Technology Services, Hospitality & Gaming Emphasis

Restaurant Management Emphasis

- HFSV 1413 Labor and Food Cost Management
- HFSV 2021 Quality Control Procedures for Hospitality
- HFSV 2312 Off-Premise Service Management

Recommended General Education Electives for Hospitality Management Option

- BUSN/PHIL 1143 Introduction to Ethics: Business Issues
- SPCH 2053 Intercultural Communication

4) Management Information Systems Option 15 hours

Mathematics** 3-6 hours

- *MATH 2193 Elementary Statistics
- *MATH 2513 Finite Mathematics
- *MATH 2523 Calculus for Business, Life and Social Science

Computer Information Systems** 9-12 hours

- *CSYS 1203 Introduction to Computer Programming
- *CSYS 1013 XHTML
- *CSYS 2033 Scripting
- *CSYS 2463 PHP Programming
- *CSCI 2133 Introduction to Java
- *CSCI 2333 Systems Analysis and Design
- *CSCI 2473 C Language

Total Credit Hours: 61-64

*Course has prerequisite (See course description section of catalog).
To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. See page 22 for complete requirements.

**Students should select courses that will transfer to the college/university they plan to attend. See the University Transfer Degree Information above.

CHEMISTRY

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Program Description:

Since chemistry deals with the composition, structure and interactions of matter, the study of chemistry is basic to all sciences. This degree prepares the student to enter the allied health and other medical fields such as nursing, pre-med, and medical laboratory technology. This degree also prepares the student to enter programs in aerospace, agriculture, biology, engineering, environmental science, and petroleum engineering.

Degree Awarded: Associate in Science

For More Information Contact:

Science and Mathematics Divisions: Metro: (918) 595-7334,
Northeast: (918) 595-7542, Southeast: (918) 595-7742,
West: (918) 595-8193

General Education Requirements Credit Hours: 27

See the General Education Requirements for complete list.
Science and mathematics requirements satisfied in Specialized Course Requirements Section.

Specialized Course Requirements Credit Hours: 33-37

Chemistry 20 hours

- *CHEM 1315 General Chemistry I
- *CHEM 1415 General Chemistry II
- *CHEM 2145 Organic Chemistry I
- *CHEM 2245 Organic Chemistry II

Mathematics 5-9 hours

- *MATH 1513 College Algebra
- *MATH 1613 Plane Trigonometry
- *MATH 1715 College Algebra and Trigonometry
- *MATH 2114 Analytic Geometry and Calculus I
- *MATH 2124 Analytic Geometry and Calculus II
- *MATH 2134 Analytic Geometry and Calculus III

Physics 8 hours

- *PHYS 1114 General Physics I
- and**
- *PHYS 1214 General Physics II
- or**
- *PHYS 2034 Engineering Physics I
- and**
- *PHYS 2124 Engineering Physics II

Total Credit Hours: 60-64

*Course has prerequisite (See course description section of catalog).
To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

CHILD DEVELOPMENT

Early Childhood Education Programs

NOTE:

(A) All Teacher Education majors are required to take the OGET (Oklahoma General Education Test) prior to admission to professional education programs at the university. Please visit the Counseling Center at any campus for information about the OGET.

(B) Students who intend to follow this degree plan must complete a one-page information sheet and obtain a Criminal Background Investigation packet from the Liberal Arts Division Office at West Campus. Students are responsible for the \$15 fee and for returning their Criminal Background reports to the appropriate TCC office. Once the TCC Administration notifies the Liberal Arts Division at West Campus that a student has received criminal background and sex offender clearance, the Liberal Arts Division Office will notify that student that he/she may enroll in Child Development laboratory courses.

(C) National Council for Accreditation of Teacher Education (NCATE) is the national accrediting program for teacher education. The council requires that students in teacher education programs at 4-year colleges complete a portfolio. Students in Child Development or Education degree programs at Tulsa Community College should save all assignments from those courses for possible inclusion in the portfolio. Contact the college where you plan to transfer for specific portfolio requirements.

(D) Prior to graduation from a 4-year college or university,

students must complete (with a grade of "C" or higher) a minimum of:

12 hours of Communication Arts

12 hours of Social Science

12 hours of Math

12 hours of Science

Demonstrate Proficiency in a language other than English.

(E) Students should be aware that any variation in this degree plan might result in hours that will not transfer to named university.

(F) To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

CHILD DEVELOPMENT

Child and Family, OSU Transfer Option

Program Description:

This curriculum includes degree requirements and courses generally completed in the first two years of a four-year curriculum. This degree is for students wanting a professional career working in community agencies and programs providing services to children and families. Career paths include child life specialist, family life educator, pre-medicine, pre-law, child policy and advocacy and other options. Students should consult the Oklahoma State University transfer catalog and carefully select courses that will meet the requirements for both the baccalaureate and associate degree programs. Suggested courses for Oklahoma State University are listed in the curriculum. Students should consult the Family Relations and Child Development counselor at the OSU-Tulsa Campus to select electives that will meet requirements for the baccalaureate degree tracks in the College of Human Environmental Sciences at Oklahoma State University.

NOTE: Students in this degree option who plan to transfer to OSU-Tulsa and who have a CDA certificate of achievement from TCC with a letter grade of "C" or better in each of the certificate courses, should check with the academic advisor at OSU-Tulsa for potential transfer credit of 8 hours toward the Child and Family Services Bachelor of Science degree.

NOTE: Students who intend to follow this degree plan must complete a one-page information sheet and obtain a Criminal Background Investigation packet from the Liberal Arts Division Office at West Campus. Students are responsible for the \$15 fee and for returning their Criminal Background reports to the appropriate TCC office. Once the TCC Administration notifies the Liberal Arts Division at West Campus that a student has received criminal background and sex offender clearance, the Liberal Arts Division Office will notify the student that he/she may enroll in Child Development laboratory courses.

Degree Awarded: Associate in Science

For More Information Contact:

Liberal Arts Division, Child Development Academic Program,
West Campus: (918) 595-8079

Continued >>

General Education Requirements Credit Hours: 37

English 6 hours

- *ENGL 1113 Composition I
- *ENGL 1213 Composition II

Humanities 6 hours

See General Education Requirement page for complete list.

Mathematics 6 hours

- *MATH 1513 College Algebra
- *MATH 2193 Elementary Statistics

Science 7 hours

BIOL 1383 Nutrition
See the General Education Requirements to select a lab science course.

Social and Behavioral Sciences 3 hours

SOCI 1113 Introduction to Sociology
PSYC 1113 Introduction to Psychology
Any course designated as a social science in the OSU Transfer Guide.

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
HIST 1483 U.S. History 1492 to Civil War Era
HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 23

Child Development 15 hours

- ^CHLD 2003 Child Development in the Lifespan
- ^CHLD 2023 Child Development and Parenting
- ^*CHLD 2103 Child Guidance
- ^CHLD 2203 Child and Family in the Community
- ^CHLD 2213 Children with Special Needs

****Recommended Electives 8 hours**

- CSCI 1203 Computer Concepts and Applications
- PSYC Select any courses
- SOCI Select any courses

See Note (A) under Program Description

Total Credit Hours: 60

*Course has prerequisite (See course description section of TCC catalog).
**Students should consult the Family Relations and Child Development counselor at the OSU-Tulsa Campus to select electives that will meet requirements for the baccalaureate degree tracks in Child and Family Services at Oklahoma State University.
^Course must be completed with a "C" or better.
Students should be aware that any variation in this degree plan might result in hours that will not transfer to Oklahoma State University.
To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.
Physical education activity courses do not count toward the associate degree requirements in this curriculum.

CHILD DEVELOPMENT
Early Care, OSU Transfer Option

Program Description:

This curriculum includes degree requirements and courses generally completed in the first two years of a four-year degree plan. This degree is for students wanting a professional career in early care and education. Career choices include Head Start, Early Head Start, child care, infant-toddler and preschool teacher as well as other early care and education professional positions. Students in this degree plan should plan to take the Oklahoma General Education Test during the last semester at TCC.

NOTE: Students who intend to follow this degree plan must complete a one-page information sheet and obtain a Criminal Background Investigation packet from the Liberal Arts Division Office at West Campus. Students are responsible for the \$15 fee and returning their Criminal Background reports to the appropriate TCC office. Once the TCC Administration notifies the Liberal Arts Division at West Campus that a student has received criminal background and sex offender clearance, the Liberal Arts Division Office will notify student that he/she may enroll in Child Development laboratory courses.

(A) Students in this degree option who plan to transfer to OSU-Tulsa and who have a CDA certificate of achievement from TCC with a letter grade of "C" or better in each of the certificate courses, should check with the academic advisor at OSU-Tulsa for potential transfer credit of 8 hours toward the Child Care Administration Bachelor of Science degree at Oklahoma State University.

B) Students should have taken the Oklahoma General Education Test before transferring to OSU-Tulsa.

C) TCC students graduating with this transfer degree option must take the following OSU junior level courses at the OSU-Tulsa Campus: HDFS 3213, HDFS 3223, HDFS 3201 and HDFS 3103.

Degree Awarded: Associate in Science

For More Information Contact:

Liberal Arts Division, Child Development Academic Program:
West Campus: (918) 595-8079

General Education Requirements Credit Hours: 31

Recommended electives satisfied in specialized course requirements.

English 6 hours

- *ENGL 1113 Composition I
- *ENGL 1213 Composition II

Humanities 6 hours

See General Education Requirement page for complete list.

Mathematics 3 hours

Select one course from the following:

- *MATH 1473 Mathematics for Critical Thinking
- *MATH 1483 Mathematical Functions and their Uses
- *MATH 1513 College Algebra

Science 7 hours

BIOL 1383 Nutrition
See the General Education Requirements to select a lab science course.

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 29**Accounting 3 hours**

ACCT 1003 Introduction to Accounting
 ACCT 2213 Financial Accounting

Child Development 21 hours

^CHLD 2003 Child Development in the Lifespan
 ^*CHLD 2103 Child Guidance
 ^*CHLD 2113 Child Care Center Management I
 ^*CHLD 2223 Early Childhood Foundations
 CHLD 2233 Physical Development and Creative Expression: Early Childhood
 CHLD 2313 Child Care Center Management II
 CHLD 2513 Programming for Infants and Toddlers

Mathematics 3 hours

*MATH 2193 Elementary Statistics

Recommended Electives 2 hours

CHLD 2023 Child Development & Parenting
 CHLD 2203 Child and Family in the Community
 CHLD 2213 Children with Special Needs
 CHLD 2341 Brain Development
 CHLD 2421 Children & Trauma
 CHLD 2701 Child Abuse & Neglect

Total Credit Hours: 60

*Course has prerequisite (See course description section of TCC catalog).

**Students should consult the Family Relations and Child Development counselor at the OSU-Tulsa Campus to select electives that will meet requirements for the baccalaureate degree tracks in Child and Family Services at Oklahoma State University.

^Course must be completed with a "C" or better.

Students should be aware that any violation in this degree plan might result in hours that will not transfer to Oklahoma State University.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

Physical education activity courses do not count toward the associate degree requirements in this curriculum.

CHILD DEVELOPMENT

Early Care, NSU Transfer Option

Program Description:

This curriculum includes degree requirements and courses generally completed in the first two years of a four-year curriculum plan in Family and Consumer Sciences at Northeastern State University. This degree is for students wanting a professional career working in community agencies and programs providing services to children, youth, and families. Career options include Head Start programs, childcare,

university extension agents, middle and high school teachers, parent educators, as well as other choices. Students should consult the Northeastern State University transfer catalog and carefully select courses that will meet the requirements for both the baccalaureate and associate degree programs. Suggested courses are listed in this curriculum plan.

NOTE: Students who intend to follow this degree plan must complete a one-page information sheet and obtain a Criminal Background Investigation packet from the Liberal Arts Division Office L-144 at TCC West Campus. Students are responsible for the \$15 fee and for returning their Criminal Background reports to the appropriate TCC office. Once the TCC Administration notifies the Liberal Arts Division at West Campus that a student has received criminal background and sex offender clearance, the Liberal Arts Division Office will notify the student that he/she may enroll in (CHLD 2223) Child Development laboratory courses. Those individuals seeking teacher certification should immediately consult with the NSU College of Education for additional requirements.

Degree Awarded: Associate in Science**For More Information Contact:**

Liberal Arts Division, Child Development Academic Program:
 West Campus: (918) 595-8079

General Education Requirements Credit Hours: 41-42**English 6 hours**

*ENGL 1113 Composition I
 *ENGL 1213 Composition II

Geography 3 hours

GEOG 1043 Introduction to Cultural Geography

Humanities 6 hours

See the General Education Requirements to select 6 hours of Humanities.

Mathematics 3 hours

See General Education Requirement page for complete list.

Science 11-12 hours

BIOL 1114 General Biology for Non-Majors
 BIOL 1383 Nutrition

and select one course from the following:

*PHSC 1114 General Physical Science
 *CHEM 1315 General Chemistry I
 ASTR 1104 General Astronomy
 *PHYS 1114 General Physics I

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I

Computer Science 3 hours

CSCI 1203 Computer Concepts and Applications

Continued >>

Specialized Course Requirements Credit Hours: 24
Child Development 21 hours

^CHLD 2003 Child Development in the Lifespan

^18 Additional hours (select any course with CHLD in the prefix)

Controlled Electives 3 hours

INTD 1313 Interior Design Orientation

or

*INTD 2313 Professional Practice

Total Credit Hours: 65-66

*Course has prerequisite (See course description section of TCC catalog).

^Course must be completed with a "C" or better.

Students should be aware that any variation in this degree plan might result in hours that will not transfer to NSU.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

CHILD DEVELOPMENT

Early Childhood Education, LU Transfer Option

Program Description:

This curriculum includes degree requirements and courses generally completed in the first two years of a four-year curriculum. The degree is for students who want to receive Oklahoma Teacher Certification and teach at the early childhood level. Students should work with an academic counselor at Tulsa Community College West Campus to carefully select courses that will meet the Langston baccalaureate and the TCC associate degree programs. Students in this degree should plan to take the Oklahoma General Education Test during the last term at TCC. Upon completion of the four-year curriculum at Langston, a student will be prepared to apply for an Oklahoma Teacher Certificate in Early Childhood Education. A grade of "C" or better is required in the coursework for this curriculum and students must maintain a 2.5 GPA to graduate from Langston University.

Degree Awarded: Associate in Science
For More Information Contact:

 Liberal Arts Division, Child Development Academic Program,
 West Campus: (918) 595-8079

General Education Requirements Credit Hours: 35

Two (2) additional credit hours of General Education Requirements are satisfied in specialized course requirements.

English 6 hours

*ENGL 1113 Composition I

*ENGL 1213 Composition II

Humanities 6 hours

See General Education Requirement page for complete list.

Mathematics 3 hours

See General Education Requirement page for complete list.

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Science 8 hours

*PHSC 1114 General Physical Science

BIOL 1114 General Biology for Non-Majors

(Courses in Physics, Chemistry, Zoology may be substituted.

One of the courses must have a lab.)

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 25
Child Development 16 hours

^CHLD 2003 Child Development in the Lifespan

^CHLD 2031 Early Field Experience

^*CHLD 2103 Child Guidance

^CHLD 2133 Middle Childhood Foundations

^*CHLD 2173 Historical & Philosophical Foundations of Schools

^*CHLD 2223 Early Childhood Foundations

Controlled Electives 9 hours

CSCI 1203 Computer Concepts and Applications

ENGL/NURS 1003 Academic Strategies

GEOG 1043 Introduction to Cultural Geography

MATH 2423 Mathematics Concepts for Educators

*MATH 2553 Geometry and Measurement

SPCH 2103 Interpersonal Communication

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).

^ Course must be completed with a "C" or better.

Physical Education activity classes do not count toward the associate degree requirements in this curriculum at TCC.

To receive an A. A. or A. S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

Note: Prior to graduation from a 4-year college or university, students majoring in Early Childhood, Elementary Education or Special Education must complete (With a grade of "C" or higher) a minimum of:

12 hours in Communication Arts

12 hours in Social Science

12 hours in Math

12 hours in Science

Foreign Language: Students must meet the university requirement of two college-level courses in a single foreign language or successful completion of 2 years of foreign language in high school and pass a proficiency exam at OU, Norman.

Students must meet the university requirement of two college-level courses in a single foreign language or successful completion of two years of foreign language in high school and pass a proficiency test.

CHILD DEVELOPMENT

Early Childhood Education, OSU Transfer Option

Program Description:

This curriculum includes TCC degree requirements and courses generally completed in the first two years of a four-year curriculum. This degree is for those students who want to teach preschool and primary grade children. Students should consult the Oklahoma State University transfer guide and carefully select courses that will meet the requirements for both the baccalaureate and associate degree programs. Suggested courses for Oklahoma State University are listed in the curriculum. Upon completion of the four-year degree at OSU, students will be prepared to apply for an Oklahoma Teacher's Certificate in Early Childhood Education.

Degree Awarded: Associate in Science

For More Information Contact:

Liberal Arts Division, Child Development Academic Program,
West Campus: (918) 595-8079

General Education Requirements Credit Hours: 50

English 6 hours

- *ENGL 1113 Composition I
- *ENGL 1213 Composition II

Foreign Language 9 hours

Select 9 hours from one language:

Chinese, French, German, Japanese, Russian, Spanish,
Interpreter Education

Geography 3 hours

Select one course from the following:

- GEOG 1043 Introduction to Cultural Geography
- GEOG 2033 World Regional Geography

Humanities 6 hours

- *ENGL 2413 Introduction to Literature

and one of the following

- HUMN 2113 Humanities I
- HUMN 2223 Humanities II
- Art 1113 Art Appreciation
- MUSC 1113 Music Appreciation

Mathematics 6 hours

- *MATH 1513 College Algebra

and select one course from the following

- *MATH 1473 Mathematics for Critical Thinking
- *MATH 1483 Mathematics Functions and Their Uses
- *MATH 1613 Plane Trigonometry
- *MATH 2193 Elementary Statistics
- *MATH 2523 Calculus for Business, Life, and Social Sciences

Science 11 hours

- BIOL 1114 General Biology for Non-Majors
- BIOL 1383 Nutrition
- *PHSC 1114 General Physical Science

Social Science 6 hours

- POLS 1113 American Federal Government
- and select one course from the following:**
- HIST 1483 U.S. History 1492 to Civil War Era
- HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

- SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 13

Child Development

- ^CHLD 2003 Child Development in the Lifespan
- ^CHLD 2031 Early Field Experience
- ^*CHLD 2223 Early Childhood Foundations
- ^*CHLD 2233 Physical Development and Creative Expression: Early Childhood
- ^*CHLD 2513 Programming for Infants and Toddlers

Total Credit Hours: 63

*Course has prerequisite (See course description section of TCC catalog).
^Course must be completed with a "C" or better.
To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

CHILD DEVELOPMENT

Early Childhood Education, OU Transfer Option

Program Description:

This curriculum includes degree requirements and courses generally completed in the first two years of a four-year curriculum. This degree is for students who want to teach infants through third grade children. Students should consult the University of Oklahoma transfer catalog and work with an academic counselor at TCC or OU to carefully select courses that will meet the baccalaureate and associate degree programs. Students in this degree plan should plan to take the Oklahoma General Education Test during the last term at TCC. Upon completion of the four-year curriculum at OU, students will be prepared to apply for an Oklahoma Teacher's Certificate in Early Childcare. A grade of "C" or better is required in the coursework for this curriculum and students must maintain a 2.75 GPA to graduate from the University of Oklahoma.

Degree Awarded: Associate in Science

For More Information Contact:

Liberal Arts Division, Child Development Academic Program:
West Campus: (918) 595-8079

General Education Requirements Credit Hours: 48-49

English 6 hours

- *ENGL 1113 Composition I
- *ENGL 1213 Composition II

Humanities 6 hours

- *ENGL 2413 Introduction to Literature
- and select one course from the following:**
- PHIL 1113 Introduction to Philosophy
- PHIL 1223 Religions of the World: The Western Tradition
- PHIL 2133 Introduction to Ethical Thinking

Continued >>

Mathematics 12 hours

- *MATH 1473 Mathematics for Critical Thinking
- *MATH 2423 Mathematics Concepts for Educators
- *MATH 2553 Geometry and Measurement
- and select one course from the following**
- *MATH 1483 Mathematics Functions and their uses
- *MATH 1513 College Algebra
- *MATH 1613 Plane Trigonometry

Science 12-13 hours

- BIOL 1114 General Biology for Non-Majors
- *PHSC 1114 General Physical Science

Any 2000 level (4-5 hour) Science course from the General Education List, or:

- BIOL 1383 Nutrition
- and**
- PHSC 2151 The Nature of Science

Social Science 6 hours

- POLS 1113 American Federal Government
- and select one course from the following:**
- HIST 1483 U.S. History 1492 to Civil War Era
- HIST 1493 U.S. History Civil War Era to Present

Sociology 3 hours

- SOCI 1113 Introduction to Sociology

Speech 3 hours

- SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 12
Child Development 10 hours

- +^CHLD 2003 Child Development in the Lifespan
- +++^CHLD 2031 Early Field Experience
- ^*++CHLD 2233 Physical Development and Creative Expression: Early Childhood
- ^*+CHLD 2513 Programming for Infants and Toddlers

Physical Education 2 hours

- PHED 2212 First Aid

Total Credit Hours: 60-61

- *Course has prerequisite (See course description section of TCC catalog).
- ^Course must be completed with a "C" or better.
- +CHLD 2513 and CHLD 2003 for OU EDEC 3413
- ++CHLD 2233 for OU EDEC 2203
- +++CHLD 2031 for 1 hour Elective Credit at OU
- To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.
- Foreign Language: Students must meet the university requirement of two college-level courses in a single foreign language or successful completion of 2 years of foreign language in high school and pass a proficiency exam at OU, Norman.

CHILD DEVELOPMENT
Center Director Option
Workforce Development Degree

Program Description:

This degree is for individuals who want to become a director of a child care center. It is also for those who are already employed as a director and who want to upgrade their knowledge and skills to perform their duties more effectively or to advance to a position of more responsibility. The course of study combines instruction in child development, business, management, and accounting to provide students the diverse training and preparation needed to be a center director. Students should check with the Oklahoma Department of Human Services Child Care Licensing Unit prior to enrollment in the program to see if they have the necessary work experience to qualify as a candidate for director of a small or large child care center.

NOTE: Students who intend to follow this degree plan must complete a one-page information sheet and obtain a Criminal Background Investigation packet from the Liberal Arts Division Office at West Campus. Students are responsible for \$15 fee and returning their Criminal Background reports to the appropriate TCC office. Once the TCC Administration notifies the Liberal Arts Division at West Campus that a student has received criminal background and sex offender clearance, the Liberal Arts Division Office will notify that student that he/she may enroll in Child Development laboratory courses. **NOTE:** Employment in child care requires CPR Certification. Students may meet this requirement by taking PHED 2212 under controlled electives.

Degree Awarded: Associate in Applied Science
For More Information Contact:

Liberal Arts Division, Child Development Academic Program,
West Campus: (918) 595-8079

General Education Requirements Credit Hours: 24
Biology 3 hours

- BIOL 1383 Nutrition

English 6 hours

- *ENGL 1113 Composition I
- and select one course from the following**
- *ENGL 1213 Composition II
- *ENGL 2333 Technical Professional Writing

Mathematics 3 hours

- *MATH 2423 Mathematics Concepts for Educators
- or select three hours from courses designated Mathematics from the list of General Education courses.

Physical Education 3 hours

- PHED 1113 Personal, School, and Community Health

Social Science 6 hours

- POLS 1113 American Federal Government
- and select one course from the following:**
- HIST 1483 U.S. History 1492 to Civil War Era
- HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I
 SPCH 2103 Interpersonal Communication

Specialized Course Requirements Credit Hours: 36**Accounting 3 hours**

ACCT 2213 Financial Accounting

Child Development and Family Relations 24 hours

^CHLD 2003 Child Development in the Lifespan
 ^*CHLD 2103 Child Guidance
 ^CHLD 2113 Child Care Center Management I
 ^CHLD 2203 Child and Family in the Community
 ^*CHLD 2223 Early Childhood Foundations
 ^*CHLD 2253 Child Development Practicum
 ^*CHLD 2313 Child Care Center Management II
 and select one course from the following:
 ^*CHLD 2233 Physical Development and Creative Expression: Early Childhood
 ^*CHLD 2263 Social and Emotional Development: Early Childhood

Controlled Electives 9 hours

CHLD Select Any Courses
 CSCI/CSYS Select Any Courses
 SPAN Select Any Courses
 BUSN 2213 Small Business Management
 BUSN 2313 Business Law I
 HSVC 1113 Principles of Human Services
 HSVC 1213 Basic Counseling Services
 HUMN 2113 Humanities I
 HUMN 2223 Humanities II
 INED 1363 American Sign Language I
 INED 1413 Deaf Culture
 MUSC 1002 Fundamentals of Music
 MUSC 1113 Music Appreciation
 PHED 2212 First Aid
 PSYC 1113 Introduction to Psychology
 PSYC 1313 Human Relations
 *PSYC 2023 Developmental Psychology
 *PSYC 2523 Child Psychology
 SOCI 1113 Introduction to Sociology
 *SOCI 2013 Marriage and Family
 SPCH 1113 Speech Communication I
 SPCH 2103 Interpersonal Communication

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).

^Course must be completed with a "C" or better.

Students who have completed CHLD 1102, CHLD 1202, CHLD 1302, and CHLD 1402 with a grade of "C" or better may apply these credits toward any TCC Child Development Associate in Applied Science degree as controlled electives. Students who have earned a CDA credential may apply 9 hours controlled elective credit toward any TCC Child Development Associate in Applied Science degree. Students may contact the West Campus Registrar's Office. Students wanting to transfer to a four-year college or university should contact a counselor in the West Campus Counseling Center.

CHILD DEVELOPMENT

Early Childhood Option

Workforce Development Degree

Program Description:

This degree plan is designed to prepare students to work in programs serving preschool children. The curriculum provides a framework for understanding the physical, social, emotional, and intellectual development of young children. Students will learn to design and implement developmentally appropriate programs and activities for preschool children. Students gain practical knowledge and skills necessary for effective communication, teaching, guidance, and motivation of young children as well as for interacting with parents.

NOTE: Students who intend to follow this degree plan must complete a one-page information sheet and obtain a Criminal Background Investigation packet from the Liberal Arts Division Office at West Campus. Students are responsible for \$15 fee and returning their Criminal Background reports to the appropriate TCC office at the Conference Center. Once the TCC Administration notifies the Liberal Arts Division at West Campus that a student has received criminal background and sex offender clearance, the Liberal Arts Division Office will notify that student that he/she may enroll in Child Development laboratory courses.

NOTE: Employment in child care requires CPR Certification. Students may meet this requirement by taking PHED 2212 under controlled electives.

Degree Awarded: Associate in Applied Science**For More Information Contact:**

Liberal Arts Division, Child Development Academic Program,
 West Campus: (918) 595-8079

General Education Requirements Credit Hours: 24**Biology 3 hours**

BIOL 1383 Nutrition

English 6 hours

*ENGL 1113 Composition I

select 3 credit hours from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

Mathematics 3 hours

*MATH 2423 Mathematics Concepts for Educators
 or select three hours from courses designated Mathematics from the list of General Education courses.

Physical Education 3 hours

PHED 1113 Personal, School, and Community Health

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Continued >>

Speech 3 hours

SPCH 1113 Speech Communication I
 SPCH 2103 Interpersonal Communication

Specialized Course Requirements Credit Hours: 36
Child Development 27 hours

^CHLD 2003 Child Development in the Lifespan
 *^CHLD 2103 Child Guidance
 ^CHLD 2203 Child and Family in the Community
 ^CHLD 2213 Children with Special Needs
 *^CHLD 2223 Early Childhood Foundations
 *^CHLD 2233 Physical Development and Creative Expression: Early Childhood
 *^CHLD 2243 Language and Cognitive Development: Early Childhood
 *^CHLD 2253 Child Development Practicum
 *^CHLD 2263 Social and Emotional Development: Early Childhood

Controlled Electives Credit 9 hours

^CHLD Select Any Courses
 CSCI/CSYS Select Any Courses
 SPAN Select Any Courses
 ACCT 1003 Introduction to Accounting
 *BUSN 2213 Small Business Management
 HSVC 1113 Principles of Human Services
 HSVC 1213 Basic Counseling Services
 HUMN 2113 Humanities I
 HUMN 2223 Humanities II
 INED 1363 American Sign Language I
 INED 1413 Deaf Culture and History
 MUSC 1002 Fundamentals of Music
 MUSC 1113 Music Appreciation
 PHED 2212 First Aid
 PSYC 1113 Introduction to Psychology
 PSYC 1313 Human Relations
 *PSYC 2023 Developmental Psychology
 *PSYC 2523 Child Psychology
 SOCI 1113 Introduction to Sociology
 *SOCI 2013 Marriage and Family
 SPCH 1113 Speech Communication I
 SPCH 2103 Interpersonal Communication

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).
 ^Course must be completed with a "C" or better.
 Students who have completed CHLD 1102, CHLD 1202, CHLD 1302, and CHLD 1402 with a grade of "C" or better may apply these credits toward any TCC Child Development Associate in Applied Science degree as controlled electives. Students who have earned a CDA credential may apply 9 hours controlled elective credit toward any TCC Child Development Associate in Applied Science degree. Students wanting to transfer to a four-year college or university should contact a counselor in the West Campus Counseling Center.

CHILD DEVELOPMENT

Infant/Toddler Option

 Workforce Development Degree

Program Description:

This degree plan is designed to prepare students to work with infants and toddlers. Courses focus on the social, emotional, physical, intellectual, and language development of children birth to three years of age. Students learn developmentally appropriate program design and activities for infants and toddlers. Students gain practical knowledge and skills necessary for effective communication, nurturing, and facilitating optimal development for infants and toddlers. Note: Students who intend to follow this degree plan must complete a one-page information sheet and obtain a Criminal Background Investigation packet from the Liberal Arts Division Office at West Campus. Students are responsible for \$15 fee and returning their Criminal Background reports to the appropriate TCC office. Once the TCC Administration notifies the Liberal Arts Division at West Campus that a student has received criminal background and sex offender clearance, the Liberal Arts Division Office will notify that student that he/she may enroll in Child Development laboratory courses.

NOTE: Employment in child care requires CPR Certification. Students may meet this requirement by taking PHED 2212 under controlled electives.

Degree Awarded: Associate in Applied Science
For More Information Contact:

Liberal Arts Division, Child Development Academic Program,
 West Campus: (918) 595-8079

General Education Requirements Credit Hours: 24
Biology 3 hours

BIOL 1383 Nutrition

English 6 hours

*ENGL 1113 Composition I

and select 3 credit hours from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

Mathematics 3 hours

*MATH 2423 Mathematics Concepts for Educators
 or select three hours from courses designated Mathematics from the list of General Education courses.

Physical Education 3 hours

PHED 1113 Personal, School, and Community Health

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I
 SPCH 2103 Interpersonal Communication

Specialized Course Requirements Credit Hours: 36

Child Development 27 hours

- ^CHLD 2003 Child Development in the Lifespan
- ^*CHLD 2103 Child Guidance
- ^CHLD 2203 Child and Family in the Community
- ^CHLD 2213 Children with Special Needs
- ^*CHLD 2253 Child Development Practicum
- ^*CHLD 2263 Social and Emotional Development: Early Childhood
- ^*CHLD 2513 Programming for Infants and Toddlers
- ^*CHLD 2523 Physical Development in Infants and Toddlers
- ^*CHLD 2543 Cognitive and Language Development in Infants and Toddlers

Controlled Electives 9 hours

- ^CHLD Select Any Courses
- CSCI/CSYS Select Any Courses
- SPAN Select Any Courses
- ACCT 1003 Introduction to Accounting
- *BUSN 2213 Small Business Management
- HSVC 1113 Principles of Human Services
- HSVC 1213 Basic Counseling Services
- HUMN 2113 Humanities I
- HUMN 2223 Humanities II
- INED 1363 American Sign Language I
- INED 1413 Deaf Culture and History
- MUSC 1002 Fundamentals of Music
- MUSC 1113 Music Appreciation
- PHED 2212 First Aid
- PSYC 1113 Introduction to Psychology
- PSYC 1313 Human Relations
- *PSYC 2023 Developmental Psychology
- *PSYC 2523 Child Psychology
- SOCI 1113 Introduction to Sociology
- *SOCI 2013 Marriage and Family
- SPCH 1113 Speech Communication I
- SPCH 2103 Interpersonal Communication

Total Credit Hours: 60

- *Course has prerequisite (See course description section of catalog).
- ^Course must be completed with a "C" or better.
- Students who have completed CHLD 1102, CHLD 1202, CHLD 1302, and CHLD 1402 with a grade of "C" or better may apply these credits toward any TCC Child Development Associate in Applied Science degree as controlled electives.
- Students who have earned a CDA credential may apply 9 hours controlled elective credit toward any TCC Child Development Associate in Applied Science degree.
- Students wanting to transfer to a four-year college or university should contact a counselor in the West Campus Counseling Center.

CHILD DEVELOPMENT

Middle Childhood Option

Workforce Development Degree

Program Description:

This degree plan is designed to prepare students to work with children in middle childhood. The curriculum is designed to provide a framework for understanding the social, emotional, physical, and intellectual development of children five to twelve years of age. Students learn how to plan and implement developmentally appropriate programs and activities for children in before and after school programs, child care and classrooms. Students gain practical knowledge and skills necessary for effective communication, teaching, guidance, and motivation of school age children as well as interacting with parents.

NOTE: Students who intend to follow this degree plan must complete a one-page information sheet and obtain a Criminal Background Investigation packet from the Liberal Arts Division Office at West Campus. Students are responsible for \$15 fee and returning their Criminal Background reports to the appropriate TCC office. Once the TCC Administration notifies the Liberal Arts Division at West Campus that a student has received criminal background and sex offender clearance, the Liberal Arts Division Office will notify that student that he/she may enroll in Child Development laboratory courses.

NOTE: Employment in child care requires CPR Certification. Students may meet this requirement by taking PHED 2212 under controlled electives.

Degree Awarded: Associate in Applied Science

For More Information Contact:

Liberal Arts Division, Child Development Academic Program,
West Campus: (918) 595-8079

General Education Requirements Credit Hours: 24

Biology 3 hours

BIOL 1383 Nutrition

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

Mathematics 3 hours

*MATH 2423 Mathematics Concepts for Educators
or select three hours from courses designated Mathematics from the list of General Education courses.

Physical Education 3 hours

PHED 1113 Personal, School, and Community Health

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
HIST 1483 U.S. History 1492 to Civil War Era
HIST 1493 U.S. History Civil War Era to Present

Continued >>

Speech 3 hours

SPCH 1113 Speech Communication I
 SPCH 2103 Interpersonal Communication

Specialized Course Requirements Credit Hours: 36
Child Development 24 hours

^CHLD 2003 Child Development in the Lifespan
 ^*CHLD 2103 Child Guidance
 ^*CHLD 2133 Middle Childhood Foundations
 ^CHLD 2203 Child and Family in the Community
 ^CHLD 2213 Children with Special Needs
 ^*CHLD 2323 Physical and Creative Activities: Middle Childhood
 ^*CHLD 2333 Science, Math, and Computer Activities: Middle Childhood
 ^*CHLD 2253 Child Development Practicum

Controlled Electives 12 hours

^CHLD Select Any Courses
 CSCI/CSYS Select Any Courses
 SPAN Select Any Courses
 ACCT 1003 Introduction to Accounting
 *BUSN 2213 Small Business Management
 HSVC 1113 Principles of Human Services
 ^HSVC 1213 Basic Counseling Services
 HUMN 2113 Humanities I
 HUMN 2223 Humanities II
 INED 1363 American Sign Language I
 INED 1413 Deaf Culture and History
 MUSC 1002 Fundamentals of Music
 MUSC 1113 Music Appreciation
 PHED 2212 First Aid
 PSYC 1113 Introduction to Psychology
 PSYC 1313 Human Relations
 *PSYC 2023 Developmental Psychology
 *PSYC 2523 Child Psychology
 SOCI 1113 Introduction to Sociology
 *SOCI 2013 Marriage and Family
 SPCH 1113 Speech Communication I
 SPCH 2103 Interpersonal Communication

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).
 ^Course must be completed with a "C" or better.
 Students who have completed CHLD 1802, CHLD 1812, CHLD 1822, and CHLD 1842, and CHLD 1852 with a grade of "C" or better may apply these credits toward the Middle Childhood Development Associate in Applied Science degree as controlled electives. Students who have earned a CDA credential may apply 9 hours controlled elective credit toward any TCC Child Development Associate in Applied Science degree. Students wanting to transfer to a four-year college or university should contact a counselor in the West Campus Counseling Center. Upon approval from the Oklahoma State Department of Career Technology Education and the Oklahoma State Regents for Higher Education, students who earn their School-Age certificate from Tulsa Technology Center, with a grade of "C" or better in each course, may apply 12-hours controlled elective credit toward the Middle Childhood Associate in Applied Science Degree at Tulsa Community College.

CHILD DEVELOPMENT

Teacher Assistant Option

 Workforce Development Degree

Program Description:

This plan of study is designed for students who are currently working or want to work in a public school assisting a certified teacher in the classroom. Students will acquire knowledge and develop skills needed to work directly with school age children as a teacher assistant in a public school setting. An emphasis on science, mathematics, and technology is presented in the course of study. Students in this curriculum plan will complete a practicum experience in a public school. Students planning to transfer to a teacher education bachelor's degree program at a university should consult with a TCC counselor and the transfer university when selecting courses for the degree. Students will be required to submit a Criminal History Report and tuberculin skin test for evaluation before enrollment in CHLD 2273 Teacher Assistant Practicum course.

Degree Awarded: Associate in Applied Science
For More Information Contact:

Liberal Arts Division, Child Development Academic Program,
 West Campus: (918) 595-8079

General Education Requirements Credit Hours: 35
English 6 hours

*ENGL 1113 Composition I
 *ENGL 1213 Composition II

Humanities 6 hours

Select 6 hours from courses designated Humanities from the list of General Education courses.

Mathematics 3 hours

Select one course designated Mathematics from the list of General Education courses.

Science 8 hours

BIOL 1114 General Biology for Non-Majors
 PHSC 1114 General Physical Science

Social Studies 6 hours

POLS 1113 American Federal Government
and select one 3 credit hour course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I

Computer Science 3 hours

CSCI 1203 Computer Concepts and Applications

Specialized Course Requirements Credit Hours: 25
Child Development 21 hours

^CHLD 2003 Child Development in the Lifespan
 ^*CHLD 2103 Child Guidance
 ^*CHLD 2133 Middle Childhood Foundations
 ^CHLD 2213 Children with Special Needs
 ^*CHLD 2323 Physical and Creative Activities: Middle Childhood

^*CHLD 2333 Science, Math, and Computer Activities: Middle Childhood

^*CHLD 2273 Teacher Assistant Practicum

Recommended Electives 4 hours

Students planning to transfer to a teacher education bachelor's degree program at a university should consult with a TCC counselor and the transfer university when selecting courses for this degree.

Total Credit Hours: 60

*Course has prerequisites

^Course must be completed with a "C" or better.

CHILD DEVELOPMENT

Certificate of Mastery Option

Workforce Development Certificate

Program Description:

This curriculum is designed to meet the requirements for the R.E.W.A.R.D. Oklahoma Supplement Scale. Courses address the CDA competencies and functional areas designed to prepare students for positions in either early childhood or infant-toddler or family child care programs. As part of this curriculum plan, students complete the application and assessment process for the Child Development Associate (CDA) National Credential administered by the Council for Early Childhood Professional Recognition. Students must have completed 480 hours of experience working with children within the past 5 years to apply for the CDA Credential. Students who achieve a grade of "C" or better in the CDA preparation courses may apply the credits toward any TCC Child Development Associate in Applied Science degree as controlled electives. Students take an additional Child Development course and Composition I in this plan. Students requesting advanced standing for a previously earned CDA credential should refer to page 20, Credit by Advanced Standing in this catalog.

NOTE: Persons convicted of a crime should check with the Oklahoma State Department of Human Services Child Care Licensing Unit prior to enrollment in this program.

Degree Awarded: Certificate of Achievement

For More Information Contact:

Liberal Arts Division, Child Development Academic Program,
West Campus: (918) 595-8079

Child Development (CDA Preparation Courses) 9 hours

CHLD 1102 CDA: Competencies 1 & 4

CHLD 1202 CDA: Competency 3

CHLD 1302 CDA: Competency 2

CHLD 1402 CDA: Competencies 5 & 6

CHLD 1501 CDA: Application and Assessment Preparation

English 3 hours

*ENGL 1113 Composition I

Child Development 6 hours

Select two courses from the following:

^CHLD 2003 Child Development in the Lifespan

^CHLD 2023 Child Development and Parenting

*^CHLD 2103 Child Guidance

^CHLD 2113 Child Care Center Management I

^CHLD 2203 Child and Family in the Community

^CHLD 2213 Children with Special Needs

^CHLD 2313 Child Care Center Management II

Total Credit Hours: 18

*Course has prerequisite (See course description section of catalog).

^Course must be completed with a "C" or better.

CHILD DEVELOPMENT

Credential Preparation (CDA) Option

Workforce Development Certificate

Program Description:

As part of this curriculum plan, students complete the application and assessment process for the Child Development Associate (CDA) National Credential administered by the Council for Early Childhood Professional Recognition. The program provides an introduction to the physical, social, emotional, and intellectual development of infants and young children. Courses address the CDA competencies and functional areas designed to prepare students for positions in either early childhood or infant-toddler or family child care programs. The Council has approved this CDA instructional program. Students must have completed 480 hours of experience working with children within the past 5 years to apply for the CDA Credential. Students who achieve a grade of "C" or better in these courses may apply the credits toward any TCC Child Development

Associate in Applied Science degree as controlled electives. See the TCC Child Development Associate in Science degrees for credits that may be applied toward university transfer degrees.

NOTE: Persons convicted of a crime should check with the Oklahoma State Department of Human Services Child Care Licensing Unit prior to enrollment in this program.

Degree Awarded: Certificate of Achievement

For More Information Contact:

Liberal Arts Division, Child Development Academic Program,
West Campus: (918) 595-8079

Child Development 9 hours

CHLD 1102 CDA: Competencies 1& 4

CHLD 1202 CDA: Competency 3

CHLD 1302 CDA: Competency 2

CHLD 1402 CDA: Competencies 5 & 6

CHLD 1501 CDA: Application and Assessment Preparation

Total Credit Hours: 9

*Course has prerequisite (See course description section of catalog).

Continued >>

CHILD DEVELOPMENT
Head Start Credential Option
Workforce Development Certificate

Program Description:

This certificate of achievement option is a competency based training program designed to build skills and knowledge needed to work with Head Start families. Course curriculum is based on the Head Start Program Performance Standards, Competency Goals and Indicators. A grade of "C" or better is required in each course and a student must successfully complete a portfolio assessment documenting skills and proveniences for each Competency Goal and Indicator to receive the Head Start Credential, Certificate of Achievement. Students who achieve a grade of "C" or better in these courses may apply the credits toward any TCC Child Development Associate in Applied Science degree as controlled electives. See the TCC Child Development Associate in Science degrees for credits that may be applied toward university transfer degrees.

NOTE: Employment in child care requires CPR Certification. Students may meet this requirement by taking PHED 2212.

Degree Awarded: Certificate of Achievement

For More Information Contact:

Liberal Arts Division, Child Development Academic Program, West Campus: (918) 595-8079

Child Development 9 hours

- CHLD 1901 Head Start: Commitment and Professionalism
- *CHLD 1912 Head Start: Building Relationships
- *CHLD 1922 Head Start: Parent Involvement and Services
- *CHLD 1932 Head Start: Resources and Assistance
- *CHLD 1942 Head Start: Literacy, Culture, and Language

Total Credit Hours: 9

*Course has prerequisite (See course description section of catalog).

CHILD DEVELOPMENT

Infant/Toddler Certificate of Mastery Option
Workforce Development Certificate

Program Description:

This curriculum is designed to meet the requirements for the R.E.W.A.R.D. Oklahoma Supplement Scale. Courses address infant - toddler development and care and are designed to prepare students for positions in child care programs serving infants and toddlers. Students who achieve a grade of "C" or better in the Infant – Toddler courses may apply the credits toward any TCC Child Development Associate in Applied Science degree as controlled electives. To complete the Certificate of Mastery students must also take Composition I.

NOTE: Students who intend to follow this degree plan must complete a one - page information sheet and obtain a Criminal Background Investigation packet from the Liberal Arts Division Office at West Campus.

Students are responsible for \$15.00 fee and returning their criminal background reports to the appropriate TCC office. Once the TCC Administration notifies the Liberal Arts Division Office at West Campus that a student has received criminal background and sex offender clearance, the Liberal Arts Division will notify that student he/she may enroll in Child Development Laboratory courses.

NOTE: Employment in child care requires CPR Certification. Students may meet this requirement by taking PHED 2212.

Degree Awarded: Certificate of Achievement

For More Information Contact:

Liberal Arts Division, Child Development Academic Program, West Campus: (918) 595-8079

Child Development 15 hours

- ^*CHLD 2513 Programming for Infants and Toddlers
 - ^*CHLD 2523 Physical Development in Infants and Toddlers
 - ^*CHLD 2543 Cognitive and Language Development in Infants and Toddlers
 - ^*CHLD 2263 Social and Emotional Development: Early Childhood
- and select 3 credit hours from the following**
- ^CHLD 2003 Child Development in the Lifespan
 - ^CHLD 2023 Child Development and Parenting
 - ^*CHLD 2103 Child Guidance
 - ^CHLD 2113 Child Care Center Management I
 - ^CHLD 2203 Child and Family in the Community
 - ^CHLD 2213 Children with Special Needs
 - ^*CHLD 2313 Child Care Center Management II

English 3 hours

- *ENGL 1113 Composition I

Total Credit Hours: 18

*Course has prerequisite (See course description section of catalog)

^Course must be completed with a "C" or better.

CHILD DEVELOPMENT

Residential Child and Youth Professional Option
Workforce Development Certificate

Program Description:

This certificate program is designed to prepare students to work in residential programs serving children and youth. Students will learn to provide care and service to children and youth living apart from their families whether in emergency shelter, group homes, juvenile detention, substance abuse centers, or psychiatric treatment facilities. The curriculum provides background and knowledge in the dynamics of child abuse and neglect as a basis for understanding children and youth in residential care.

NOTE: Students who intend to follow this degree plan must request and complete the appropriate Criminal Background Investigation paperwork from their home state. Students who have been residents of Oklahoma for more than one calendar year may obtain a packet from the Liberal Arts Division Office at West Campus prior to enrolling in CHLD 1762 and CHLD 1772. Out-of-State residents must secure a background check from the state of residence. Students are responsible for background check fee (\$15 in Oklahoma, may be a higher fee in other states) and returning an original Criminal Background report to any TCC Enrollment Services office. (Copies and/or fax copies are not acceptable.) Once the TCC Administra-

tion notifies the Liberal Arts Division at West Campus that a student has turned in a cleared criminal background and sex offender report from the state of residence, the Liberal Arts Division Office will notify that student that he/she may enroll in CHLD 1762 and/or 1772.

NOTE: Employment in child care requires CPR Certification. Students may meet this requirement by taking PHED 2212.

Degree Awarded: Certificate of Achievement

For More Information Contact:

Liberal Arts Division, Child Development Academic Program,
West Campus: (918) 595-8079

Child Development 13 hours

CHLD 1722 Developing a Culture of Care

CHLD 1733 Understanding Child Development

CHLD 1742 Building Relationships

^*CHLD 1752 Teaching Discipline

^*CHLD 1762 Interviewing and Documentation Skills

^*CHLD 1772 Residential Care Field Experience

Recommended Elective 1 hour

CHLD 1781 Youth Care Certification Preparation

Total Credit Hours: 14

*Course has prerequisite (See course description section of catalog).

^ Course must be completed with a "C" or better.

Students who achieve a grade of "C" or better in the residential child and you care courses may apply the credits toward the TCC Certificate of Achievement Degree. Students completing this curriculum may also apply to complete certification as Residential Child and youth Care Professional Worker with the university of Oklahoma National Resource Center for Youth Services Residential Child and Youth Care Professional Worker certification at www.nrcysou.edu

CHILD DEVELOPMENT

Youth Development Option

Workforce Development Certificate

Program Description:

This curriculum is for students who want to acquire knowledge and skills for employment in child and youth development programs such as before and after school services, youth groups, and summer programs. The curriculum provides a framework for understanding child and youth behavior and development and practical knowledge and skills for working in and managing youth development programs. Students who achieve a grade of "C" or better in the youth development courses may apply the credits toward the TCC Child Development Associate Degree in Middle School or any other TCC associate in applied science degree.

NOTE: Employment in child care requires CPR Certification. Students may meet this requirement by taking PHED 2212.

Degree Awarded: Certificate of Achievement

For More Information Contact:

Liberal Arts Division, Child Development Academic Program,
West Campus: (918) 595-8079

Child Development 16 hours

CHLD 1802 Youth Development: Establishing the Environment

CHLD 1812 Youth Development: Mission and Procedures

CHLD 1822 Youth Development: Emotional Development and Guidance

CHLD 1833 Youth Development: Professional Management

CHLD 1841 Youth Development: Educational Support

CHLD 1842 Youth Development: Professional Development and Program Recognition

CHLD 1851 Youth Development: Development Community

*CHLD 1863 Youth Development: Program Quality and Risk Management

Total Credit Hours: 16

*Course has prerequisite (See course description section of catalog).

CHILD DEVELOPMENT

Youth Development Certificate of Mastery Option

Workforce Development Certificate

Program Description:

This curriculum is designed to meet the requirements for the REWARD Oklahoma Supplement Scale. Courses are designed to prepare students for positions in before and after school services, youth groups, and summer programs. Students who achieve a grade of "C" or better in the Youth Development courses may apply the credits toward any TCC Child Development Associate in Applied Science degree as controlled electives. To complete the Certificate of Mastery, students must also take Composition I.

NOTE: Employment in child care requires CPR Certification. Students may meet this requirement by taking PHED 2212.

Degree Awarded: Certificate of Achievement

For More Information Contact:

Liberal Arts Division, Child Development Academic Program,
West Campus: (918) 595-8079

Child Development 19 hours

CHLD 1802 Youth Development: Establishing the Environment

CHLD 1812 Youth Development: Mission and Procedures

CHLD 1822 Youth Development: Emotional Development and Guidance

CHLD 1833 Youth Development: Professional Management

CHLD 1841 Youth Development: Educational Support

CHLD 1842 Youth Development: Professional Development and Program Recognition

CHLD 1851 Youth Development: Developing Community

*CHLD 1863 Youth Development: Program Quality and Risk Management

and select one course from the following:

CHLD 2003 Child Development in the Lifespan

CHLD 2023 Child Development and Parenting

*CHLD 2103 Child Guidance

CHLD 2113 Child Care Center Management I

CHLD 2133 Middle Childhood Foundations

CHLD 2213 Children with Special Needs

CHLD 2313 Child Care Center Management II

English 3 hours

*ENGL 1113 Composition I

Total Credit Hours: 22

*Course has prerequisite (See course description section of catalog).

CIVIL ENGINEERING / SURVEYING TECHNOLOGY

Workforce Development Degree

Program Description:

Civil Engineering / Surveying Technology graduates work for a variety of employers, including consulting firms, government agencies, construction, and utility companies. The program provides a broad based knowledge of construction, civil engineering technology and surveying fundamentals. The major study areas include computer aided drafting and design, construction materials, physics, mathematics, ethics, land law, equipment and calculations used in surveying, hydrology and hydraulics. Graduates of the program may become licensed as a Land Surveying Intern after passing the Fundamentals of Land Surveying examination administered by the Oklahoma State Board of Registration for Professional Engineers and Land Surveyors. After gaining qualified experience, a Land Surveying Intern may apply to take the Principals of and Practices of Land Surveying exam. After successfully completing this second exam, a Land Surveying Intern will become registered as a Professional Licensed Surveyor. Additionally, graduates may apply for the examination to become a Certified Engineering Technician given by the National Institute for the Certification of Engineering Technicians.

Degree Awarded: Associate in Applied Science

For More Information Contact:

Science, Mathematics, and Engineering Technology Division:
Northeast: (918) 595-7542

General Education Requirements Credit Hours: 24-25

Computer Science 3 hours

CSCI 1203 Computer Concepts and Applications

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

*ENGL 2343 Business Communication I

Mathematics 5-6 hours

*MATH 1715 College Algebra and Trigonometry

or the following two courses:

*MATH 1513 College Algebra

*MATH 1613 Plane Trigonometry

Physics 4 hours

*PHYS 1114 General Physics I

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 40

Civil Engineering Technology 15 hours

*CVET 1373 Materials of Construction

*CVET 1383 Construction Plans, Specifications and Contract Documents

*CVET 1393 Basic Hydrology

*CVET 2373 Physical Properties of Soil

*CVET 2443 Basic Hydraulics

Drafting and Design Engineering Technology 6 hours

DRFT 1323 Engineering Drawing I

*DRFT 1363 Civil Drafting and Design

Surveying Technology 19 hours

*SURV 1324 Surveying I

*SURV 2262 Professional ENGR/SURV Ethics

*SURV 2334 Surveying II

SURV 2363 Land Law I

*SURV 2373 Land Law II

*SURV 2393 Survey Exam Topics

Total Credit Hours: 64-65

*Course has prerequisite (See course description section of catalog)

COMPUTER INFORMATION SYSTEMS

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Science

General Education Requirements Credit Hours**: 37

See the General Education Requirements list for complete list.

Specialized Course Requirements Credit Hours: 23-24

English** 0-3 hours

*ENGL 2333 Technical/Professional Writing

Mathematics** 0-12 hours

*MATH 2114 Analytic Geometry and Calculus I

*MATH 2124 Analytic Geometry and Calculus II

*MATH 2134 Analytic Geometry and Calculus III

*MATH 2193 Elementary Statistics

*MATH 2653 Discrete Mathematics

Computer Information Systems 12-24 hours

CSCI 1203 Computer Concepts and Applications

*CSCI 1483 Introduction to UNIX (Linux)

*CSCI 2133 Introduction to Java

CSCI 2283 Visual Basic

*CSCI 2473 C Language

*CSCI 2683 Data Structures
 *CSCI 2843 C++ Programming Language
 *CSYS 1203 Introduction to Computer Programming
 *CSYS 1013 XHTML
 *CSYS 2413 Advanced Java

Total Credit Hours: 60-64

*Course has prerequisite and/or requisite (see course description section of catalog).

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

****Students should select courses that will transfer to the specific college/university they plan to attend. See the University Transfer Degree Information above.**

CRIMINAL JUSTICE

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Program Description:

Students who are interested in pursuing a course of study leading to a baccalaureate degree in Criminal Justice may complete the freshman and sophomore general education and prerequisite courses at TCC. Criminal justice agencies have various strenuous entrance, background and physical requirements. This program will assist in preparing students for employment in criminal justice if other criteria established by employer/agency are met.

Degree Awarded: Associate in Arts

For More Information Contact:

Liberal Arts and Community Services Division:
 Northeast: (918) 595-7494

General Education Requirements Credit Hours: 37

See the General Education Requirements page for the complete list.

Specialized Course Requirements Credit Hours: 23-24

Criminal Justice 15 hours

CRIM 1013 Introduction to Criminal Justice
 CRIM 2103 Criminal Evidence
 CRIM 2123 Criminal Law I
 *CRIM 2143 Criminal Law II
 CRIM 2223 Criminal Procedures I

Recommended Electives 8-9 hours

*CSYS 2563 Enterprise Security
 *CRIM 2113 Criminalistics
 *CRIM 2333 Criminal Procedures II
 CSCI 1203 Computer Concepts and Applications
 GEOG 1023 World Geography (Economic)
 GEOG 1043 Introduction to Cultural Geography

HIST 1033 History of Oklahoma
 HIST 1053 Ancient and Medieval Western Civilization
 HIST 1063 Modern Western Civilization
 PHIL 1113 Introduction to Philosophy
 PSYC 1113 Introduction to Psychology
 SOCI 1113 Introduction to Sociology
 SOCI 2113 Social Problems in America
 *SOCI 2223 Behavioral Statistics

Total Credit Hours: 60-61

*Course has prerequisite (See course description section of catalog).
 To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.
 Physical education activity courses do not count toward the associate degree requirements in this curriculum.

DENTAL HYGIENE

Workforce Development Degree

Program Description:

Dental Hygiene is an allied health profession which is concerned with the prevention and control of oral disease. This program prepares the student to be a dental hygienist, whose primary duties are to care for patients with an individualized oral health regimen which includes gathering of information about health status, and providing appropriate periodic oral prophylaxis, dental x-rays, oral health instruction and other prevention services. The dental hygienist is also prepared to apply preventive measures in community health programs. The Dental Hygiene Program is accredited by The Commission on Dental Accreditation, Chicago, Illinois. The graduate will receive an Associate Degree in Applied Science and be eligible to take national and state licensing and certifying examinations. After passing these examinations, the graduate may practice dental hygiene under the supervision of a licensed dentist. Individuals who have:

1. been addicted to narcotics or alcohol;
2. received treatment for the habitual use of narcotics or alcohol;
3. been convicted for a narcotics-related offense;
4. been reprimanded, disciplined, disqualified or suspended from the practice of dentistry or another health-related field;
5. been a patient in a sanitarium or institution for the treatment of mental illness;
6. been arrested/convicted of any felony offense, including a deferred sentence, may not be eligible for dental hygiene licensure in the state of Oklahoma. If any of these circumstances exist, it is advised that the prospective student discuss this with the Oklahoma Board of Dentistry, (405) 524-3592, prior to making application to the program.

Procedures For Application:

1. Applications are available through the Allied Health Services Division (918) 595-7002.
2. Submit ALL materials by the March 1st deadline to the Allied Health Services Division, room MP458, 909 South Boston, Tulsa, OK 74119.
3. All prospective Dental Hygiene students must complete an application for enrollment to the College, submit their high school transcripts, ACT scores and previous college transcripts to the Metro Campus Registrar at 909 South Boston, Tulsa, OK 74119. Incomplete submissions will not be considered for admission into the Dental Hygiene program.

Continued >>

- 4. Acceptance to Tulsa Community College does not guarantee admission to the Dental Hygiene program.
- 5. Prerequisite coursework for the Dental Hygiene program must be completed by the end of the spring term in which application is reviewed.

These prerequisites are:

- BIOL 1314 Human Anatomy and Physiology
- BIOL 1323 Basic Microbiology
- CHEM 1114 Principles of Chemistry or High School Chemistry
- CHEM 1124 Introductory Organic and Biochemistry
- ENGL 1113 Composition I
- ENGL 1213 Composition II
- HIST 1483 U.S. History 1492 to Civil War Era or
- HIST 1493 U.S. History Civil War Era to Present
- MATH 0013 Beginning Algebra or High School Algebra
- POLS 1113 American Federal Government

6. Eligible applicants to be interviewed for consideration for admission into the Dental Hygiene program will be notified by mail. All interviewed applicants will be notified by mail regarding their selection status.

7. In order to enroll in courses that include a clinical component and are part of the program degree plan, students must receive clearance on a criminal background check, including sex offender registry. Potential students need to be aware that drug testing is a requirement for participation in clinical components.

Degree Awarded: Associate in Applied Science

For More Information Contact:

Allied Health Services Division at Metro Campus: (918) 595-7002

General Education Requirements Credit Hours: 38-45

Biology 10 hours

- +BIOL 1314 Human Anatomy and Physiology
- +BIOL 1323 Basic Microbiology
- BIOL 1383 Nutrition

Chemistry 4-8 hours

- +*CHEM 1114 Principles of Chemistry
- or**
- High School Chemistry (with a "C" or better)
- +*CHEM 1124 Introductory Organic and Biochemistry

Computer Information Systems 3 hours

CSCI 1203 Computer Concepts and Applications

English 6 hours

- +*ENGL 1113 Composition I
- +*ENGL 1213 Composition II

Mathematics 0-3 hours

- MATH 0013 Beginning Algebra
- or**
- High School Algebra (with a "C" or better)

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Social Science 6 hours

- +POLS 1113 American Federal Government
- and select one course from the following:**
- +HIST 1483 U.S. History 1492 to Civil War Era
- +HIST 1493 U.S. History Civil War Era to Present

Sociology 3 hours

SOCI 1113 Introduction to Sociology

Speech 3 hours

SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 53

Dental Hygiene 53 hours

- *DHYG 1012 Dental and Oral Anatomy
- *DHYG 1022 Head and Neck Anatomy
- *DHYG 1303 Oral Embryology and Histology
- *DHYG 1333 Pathology
- *DHYG 1353 Periodontology
- *DHYG 1363 Dental Hygiene Theory I
- *DHYG 1373 Dental Hygiene Theory II
- *DHYG 1382 Clinical Dental Hygiene I
- *DHYG 1394 Clinical Dental Hygiene II
- *DHYG 1412 Dental Radiography Foundation
- *DHYG 1421 Dental Radiography Techniques
- *DHYG 1512 Dental Pain Management
- *DHYG 1532 Dental Hygiene Pharmacology
- *DHYG 2022 Special Needs / Geriatrics
- *DHYG 2312 Community Dental Health I
- *DHYG 2321 Community Dental Health II
- *DHYG 2343 Dental Materials Techniques and Supportive Services
- *DHYG 2363 Dental Hygiene Theory III
- *DHYG 2372 Dental Hygiene Theory IV
- *DHYG 2384 Clinical Dental Hygiene III
- *DHYG 2394 Clinical Dental Hygiene IV

Total Credit Hours: 91-98

- *Course has prerequisite (See course description section of catalog).
- +Prerequisite to Dental Hygiene Curriculum schedule. (19-27 hours).
- Course must be completed with a "C" or above.

DIGITAL MEDIA

Workforce Development Degree

- 1) Adobe Master Design Specialist
- 2) Broadcast Production Specialist
- 3) Digital Media Specialist
- 4) Multimedia Reporting Specialist
- 5) Radio Production Specialist
- 6) Web Design Specialist

Program Description:

Digital Media is an interdisciplinary area of study combining computer science, art, video, music, journalism/mass communications, and design. Through the Center for Creativity, digital media specialists prepare for careers in graphic design, advertising, print media, digital photography, animation, digital character development, virtual cinematography, digital video, special effects, print and online reporting, television broadcast production, interactive media, web site development, online instructional technologies and business related to digital arts and entertainment. This degree will transfer to Southern Nazarene University.

Degree Awarded: Associate in Applied Science

For More Information Contact:

Business and Information Technology Division, Metro (918) 595-7039
 Communications Division, Metro: (918) 595-7064

General Education Requirements Credit Hours: 18-19**English 6 hours**

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/ Professional Writing

*ENGL 2343 Business Communication I

Mathematics 3-4 hours

*MATH 1454 Technical Mathematics

*MATH 1513 College Algebra

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 US History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I

SPCH 2103 Interpersonal Communications

Specialized Course Requirements Credit Hours: 49**Art 9 hours**

ART 1013 Fundamentals of Art I

*ART 2423 Graphic Design I

and select one of the following:

ART/JRMC 2853 Photography

CSYS 2763 Digital Photography

Computer Information Systems 16 hours

CSCI 1203 Computer Concepts and Applications

*CSYS 1033 Adobe Photoshop

*CSYS 1043 Adobe Acrobat

*CSYS 1073 Advanced Photoshop

CSYS 1211 Introduction to Mac OS

and select one course from the following:

*CSCI 2973 Digital Media Capstone

*JRMC 2973 Journalism and Mass Communication Internship I

Select from one of the following six (6) options

1) Adobe Master Design Specialist

2) Broadcast Production Specialist

3) Digital Media Specialist

4) Multimedia Reporting Specialist

5) Radio Production Specialist

6) Web Design Specialist

1) Adobe Master Design Specialist Option 24 hours

*CSCI 1283 Adobe Flash

*CSYS 1153 Adobe Dreamweaver

*CSYS/JRMC 2573 Videography

*CSYS 2673 Adobe Illustrator

*CSYS 2683 Adobe InDesign

*CSYS 2713 Adobe Premiere

*CSYS 2733 Adobe Soundbooth

*CSYS 2753 Adobe AfterEffects

2) Broadcast Production Specialist Option 24 hours

JRMC 1103 Introduction to Broadcasting

*CSYS/JRMC 2573 Videography

*JRMC 2143 Studio Production

*JRMC 2173 Advanced Broadcasting

*CSCI/JRMC 2263 Digital Video I Final Cut Pro

*CSCI/JRMC 2273 Digital Video II Final Cut Pro

*JRMC 2373 Broadcast Laboratory

*JRMC 2433 Field Production

3) Digital Media Specialist Option 24 hours

*CSCI 1123 3D Graphics Using Lightwave

*CSCI 1283 Adobe Flash

*CSCI 1293 3D Animation Using Lightwave

*CSCI/JRMC 2263 Digital Video I / Final Cut Pro

*CSCI/JRMC 2273 Digital Video II / Final Cut Pro

*CSYS/JRMC 2573 Videography

*CSYS 2733 Adobe Soundbooth

*CSYS 2753 Adobe AfterEffects

4) Multimedia Reporting Specialist Option 24 hours

*CSYS 1153 Adobe Dreamweaver

JRMC 1103 Introduction to Broadcasting

*JRMC 1113 Writing for the Mass Media

*JRMC 1123 News Writing and Reporting

*JRMC 2173 Advanced Broadcasting

*CSCI/JRMC 2263 Digital Video I/Final Cut Pro

*JRMC 2433 Field Production

*CSYS/JRMC 2573 Videography

5) Radio Production Specialist Option 24 hours

*CSYS 2733 Adobe Soundbooth

JRMC 1103 Introduction to Broadcasting

*JRMC 1613 Radio Production I

*JRMC 2613 Radio Production II

*JRMC 2173 Advanced Broadcasting

*JRMC 2623 Radio Laboratory I

*JRMC 2443 Media Management

MKTG 2423 Principles of Marketing

6) Web Design Specialist Option 24 hours

*CSCI 1123 3D Graphics Using Lightwave

*CSCI 1283 Adobe Flash

*CSCI 1293 3D Animation Using Lightwave

*CSYS 1013 XHTML

*CSYS 1153 Adobe Dreamweaver

*CSYS 2033 Scripting

*CSYS 2463 PHP Programming

*CSYS 2733 Adobe Soundbooth

Total Credit Hours: 67-68

*Course has prerequisite (see course description section of catalog).

DIGITAL MEDIA CERTIFICATE

Workforce Development Certificate

- 1) Adobe Master Design Specialist
- 2) Broadcast Production Specialist
- 3) Digital Media Specialist
- 4) Multimedia Reporting Specialist
- 5) Radio Production Specialist
- 6) Web Design Specialist

Program Description:

Digital Media is an interdisciplinary area of study combining computer science, art, video, music, journalism/mass communications, and design. Through the Center for Creativity, digital media specialists prepare for careers in graphic design, advertising, print media, digital photography, animation, digital character development, virtual cinematography, digital video, special effects, print and online reporting, television broadcast production, interactive media, web site development, online instructional technologies and business related to digital arts and entertainment.

Degree Awarded: Certificate of Achievement

For More information Contact:

Business and Information Technology Division
 Metro: (918) 595-7039
 Communications Division
 Metro (918) 595-7064

Computer Information Systems 13 hours

CSCI 1203 Computer Concepts and Applications
 *CSYS 1033 Adobe Photoshop
 *CSYS 1043 Adobe Acrobat
 *CSYS 1073 Advanced Photoshop
 CSYS 1211 Introduction to Mac OS

Specialized Course Requirements Credit Hours 24

Select from one of the following six (6) options

- 1) Adobe Master Design Specialist
- 2) Broadcast Production Specialist
- 3) Digital Media Specialist
- 4) Multimedia Reporting Specialist
- 5) Radio Production Specialist
- 6) Web Design Specialist

1) Adobe Master Design Specialist Option 24 hours

*CSCI 1283 Adobe Flash
 *CSYS 1153 Adobe Dreamweaver
 *CSYS/JRMC 2573 Videography
 *CSYS 2673 Adobe Illustrator
 *CSYS 2683 Adobe InDesign
 *CSYS 2713 Adobe Premiere
 *CSYS 2733 Adobe Soundbooth
 *CSYS 2753 Adobe AfterEffects

2) Broadcast Production Specialist Option 24 hours

JRMC 1103 Introduction to Broadcasting
 *CSYS/JRMC 2573 Videography
 *JRMC 2143 Studio Production
 *JRMC 2173 Advanced Broadcasting
 *CSCI/JRMC 2263 Digital Video I Final Cut Pro
 *CSCI/JRMC 2273 Digital Video II Final Cut Pro
 *JRMC 2373 Broadcast Laboratory
 *JRMC 2433 Field Production

3) Digital Media Specialist Option 24 hours

*CSCI 1123 3D Graphics Using Lightwave
 *CSCI 1283 Adobe Flash
 *CSCI 1293 3D Animation Using Lightwave
 *CSCI/JRMC 2263 Digital Video I / Final Cut Pro
 *CSCI/JRMC 2273 Digital Video II / Final Cut Pro
 *CSYS/JRMC 2573 Videography
 *CSYS 2733 Adobe Soundbooth
 *CSYS 2753 Adobe AfterEffects

4) Multimedia Reporting Specialist Option 24 hours

*CSYS 1153 Adobe Dreamweaver
 JRMC 1103 Introduction to Broadcasting
 *JRMC 1113 Writing for the Mass Media
 *JRMC 1123 News Writing and Reporting
 *JRMC 2173 Advanced Broadcasting
 *CSCI/JRMC 2263 Digital Video I/Final Cut Pro
 *JRMC 2433 Field Production
 *CSYS/JRMC 2573 Videography

5) Radio Production Specialist Option 24 hours

*CSYS 2733 Adobe Soundbooth
 JRMC 1103 Introduction to Broadcasting
 *JRMC 1613 Radio Production I
 *JRMC 2613 Radio Production II
 *JRMC 2173 Advanced Broadcasting
 *JRMC 2623 Radio Laboratory I
 *JRMC 2443 Media Management
 MKTG 2423 Principles of Marketing

6) Web Design Specialist Option 24 hours

*CSCI 1123 3D Graphics Using Lightwave
 *CSCI 1283 Adobe Flash
 *CSCI 1293 3D Animation Using Lightwave
 *CSYS 1013 XHTML
 *CSYS 1153 Adobe Dreamweaver
 *CSYS 2033 Scripting
 *CSYS 2463 PHP Programming
 *CSYS 2733 Adobe Soundbooth

Total Credit Hours: 37

*Course has prerequisite (See course description section of catalog).

**DRAFTING & DESIGN
ENGINEERING TECHNOLOGY**
Workforce Development Degree

Program Description:

The American Design Drafting Association has fully certified this program to the level of design drafter. It provides the student with a general education in mathematics, physics, English, engineering drawing, and design as well as specific training in Computer Aided Design Drafting (CADD). Those completing the associate degree program will be prepared for exciting careers in the fields of mechanical, structural, electrical, or other graphics communication technologies. Upon completion of this program, the graduate may apply for the ADDA National Examination for certification.

Degree Awarded: Associate in Applied Science**For More Information Contact:**

Science, Mathematics, and Engineering Technology Division:
Northeast: (918) 595-7542

General Education Requirements Credit Hours: 20-22**English 6 hours**

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

Mathematics 4-6 hours

*MATH 1454 Technical Mathematics

or the following two courses:

*MATH 1513 College Algebra

*MATH 1613 Plane Trigonometry

Physics 4 hours

*PHYS 1114 General Physics I

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 40**Computer Information Systems 3 hours**

*CSYS 2073 MS Office

Drafting and Computer Aided Design Technology 20 hours

DRFT 1323 Engineering Drawing I

*DRFT 1442 Descriptive Geometry

*DRFT 2203 AutoCad 2

*DRFT 2223 Mechanical Design I (CAD)

DRFT 2293 Survey of CAD Applications

and select two courses from the following:

*DRFT 2023 Pro/Engineer Modeling

*DRFT 2033 Pro/Engineer Manufacturing

DRFT 2233 Autodesk Inventor

*DRFT 2393 Basic Solid Works

Electronics 2 hours

*ELET 1212 Introduction to Electricity

Engineering 6 hours

ENGR 1313 Manufacturing Process

*ENGR 1443 Geometric Dimensioning and Tolerancing

Quality Control 3 hours

*QCTT 1223 Blueprint Reading

Speech 3 hours

SPCH 1113 Speech Communication I

Controlled Electives 3 hours

CSCI 1203 Computer Concepts and Applications

*DRFT 1363 Civil Drafting and Design

*DRFT 2042 CATIA Fundamentals

*DRFT 2393 Basic Solid Works

DRFT 2233 Autodesk Inventor

QCTT 1313 Introduction to Quality Control

Total Credit Hours: 60-62

*Course has prerequisite (See course description section of catalog).

**DRAFTING & DESIGN
ENGINEERING TECHNOLOGY**

Drafting and Computer-Aided Design Option
Workforce Development Certificate

Program Description:

The Certificate of Achievement in Drafting and Computer Aided Design Technology is designed to recognize the accomplishment of students who have completed the technical coursework required for the Associate in Applied Science degree in Design Engineering Technology, but not the General Education requirements. This certificate is a logical goal for students seeking the technical skill level of the Associate Degree, but whose circumstances impose a more limited time frame than the Degree requires. It also provides documentation of exposure to both basic Drafting and more advanced Design theory and practice.

Degree Awarded: Certificate of Achievement**Drafting and Computer Aided Design Technology 6 hours**

+DRFT 1323 Engineering Drawing I

+*DRFT 2203 AutoCad 2

Engineering 3 hours

*ENGR 1443 Geometric Dimensioning and Tolerancing

Mathematics 4-6 hours

*MATH 1454 Technical Mathematics

or the following two courses:

*MATH 1513 College Algebra

*MATH 1613 Plane Trigonometry

Quality Control 3 hours

*QCTT 1223 Blueprint Reading

Continued >>

Controlled Electives 6-8 hours

- *DRFT 1363 Civil Drafting and Design
- *DRFT 2023 Pro/Engineer Modeling
- *DRFT 2033 Pro/Engineer Manufacturing
- DRFT 2042 CATIA Fundamentals
- *DRFT 2223 Mechanical Design I (CAD)
- +DRFT 2233 Autodesk Inventor
- +DRFT 2393 Basic Solid Works
- *ENGR 1132 Engineering Design with Computer-Aided Design

Total Credit Hours: 22-26

*Course has prerequisite (See course description section of catalog).
Note: Students completing all courses marked with a "+" may apply for an institutional certificate of completion in drafting technology from the Science, Mathematics and Engineering Technology division at Northeast Campus.

EDUCATION PROGRAMS

NOTE: All Teacher Education majors are required to take the OGET (Oklahoma General Education Test) prior to admission to professional education programs at the university. Please visit the Counseling Center at any campus for information about the OGET. National Council for Accreditation of Teacher Education (NCATE) is the national accrediting program for teacher education. The council requires that students in teacher education programs at 4-year colleges complete a portfolio. Students in Child Development or Education degree programs at Tulsa Community College should save all assignments from those courses for possible inclusion in the portfolio. Contact the college where you plan to transfer for specific portfolio requirements.

NOTE: Prior to graduation from a 4-year college or university, students majoring in Early Childhood, Elementary, or Special Education must complete with a "C" or better a minimum of:
 12 hours of Communication Arts
 12 hours of Social Science
 12 hours of Math
 12 hours of Science
 Demonstrate Proficiency in a language other than English.
 To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

PRE-EDUCATION

Physical Education Option
 University Transfer Degree

Program Description:

This suggested curriculum includes TCC degree requirements and courses generally completed in the first two years of a four-year curriculum. This degree is for the student who has interests in sports and fitness, exercise physiology, health and wellness, and the leisure services. Teaching is only one facet of this major. The choices are as broad as coaching to directing outdoor sports activities, trainer, or sports director in professional athletics. Students considering this major should consult the catalog of the college or university to which they are planning to transfer and carefully select courses that will meet requirements for both the baccalaureate and associate degree programs.

Degree Awarded: Associate in Science

For More Information Contact:

Science and Mathematics Divisions: Metro: (918) 595-7334,
 Northeast: (918) 595-7542, Southeast: (918) 595-7742, West: (918) 595-8193

General Education Requirements Credit Hours: 18

See the General Education Requirements for the complete list. Science, math and elective requirements satisfied in Specialized Course Requirements and Recommended Electives.

Specialized Course Requirements Credit Hours: 28-29

Behavioral Sciences 6 hours

- PSYC 1113 Introduction to Psychology
- SOCI 1113 Introduction to Sociology

Mathematics 3 hours

- *MATH 1513 College Algebra

Physical Education 11 hours

- BIOL 1383 Nutrition
- PHED 1113 Personal, School and Community Health
- PHED 1143 Foundations of Physical Education
- PHED 2212 First Aid

Science 8-9 hours

- BIOL 1114 General Biology for Non-Majors
- and select one course from the following:**
- GEOG 1014 Geography (Physical)
- *CHEM 1315 General Chemistry I

Controlled Electives Credit Hours: 14

- *CHEM 1415 General Chemistry II
- CSCI 1203 Computer Concepts and Applications
- GEOG 1043 Introduction to Cultural Geography
- *MATH 1613 Plane Trigonometry
- *PHYS 1114 General Physics I
- *PHYS 1214 General Physics II
- SPCH 1113 Speech Communication I

Total Credit Hours: 60-61

*Course has prerequisite (See course description section of catalog). Students should select hours from the recommended field of concentration and/or recommended electives to satisfy general education requirements where possible. To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements Physical

PRE-EDUCATION

Elementary Education and Secondary Education
 University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Arts

General Education Requirements Credit Hours: 35

English 6 hours

- *ENGL 1113 Composition I
- *ENGL 1213 Composition II

Humanities 6 hours

See the General Education Requirements page for complete list

Mathematics 3 hours

See the General Education Requirements to select 3 hours of Mathematics.

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Science 8 hours

- *PHSC 1114 General Physical Science
- BIOL 1114 General Biology for Non-Majors
(Courses in Physics, Chemistry, Zoology may be substituted.
One of the courses must have a lab.)

Social Science 6 hours

- POLS 1113 American Federal Government
- and select one course from the following:**
- HIST 1483 U.S. History 1492 to Civil War Era
- HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I

Two (2) credit hours of General Education Requirements are satisfied in recommended electives section below.

Recommended Electives 25 hours

Students should very carefully select courses which will conform to requirements at the institution to which they will transfer.

Elementary Education 25 hours

- BIOL 1383 Nutrition
- BIOL 2123 Human Ecology
- CHLD 2031 Early Field Experience
- CSCI 1203 Computer Concepts and Applications
- ENGL 2373 Teach-A-Reader
- *ENGL 2413 Introduction to Literature
- *ENGL 2683 World Literature II
- GEOG 1023 World Geography (Economic)
- GEOG 1043 Introduction to Cultural Geography
- GEOG 2033 World Regional Geography
- GEOG 2153 Human Ecology
- HIST 1033 History of Oklahoma
- HIST 1053 Ancient and Medieval Western Civilization
- HIST 1063 Modern Western Civilization
- HUMN 2113 Humanities I
- HUMN 2223 Humanities II
- *MATH 2193 Elementary Statistics
- *MATH 2423 Mathematics Concepts for Educators
- *MATH 2553 Geometry and Measurement
- MUSC 1612 Class Piano I
- *MUSC 1622 Class Piano II
- PHED 1113 Personal, School and Community Health

- PHED 2212 First Aid
- PHIL 1113 Introduction to Philosophy
- PSYC 1023 Psychology of Personal Adjustment
- *PSYC 2023 Developmental Psychology
- *PSYC 2523 Child Psychology
- RELG 1113 Introduction to Religious Studies
- SOCI 1113 Introduction to Sociology
- SOCI 2113 Social Problems in America
- SPCH 1013 Fundamentals of Listening
- SPCH 2103 Interpersonal Communication
- **Select from one Foreign Language.

Secondary Education 25 hours

13 hours: From classes listed under Elementary Education above
and

12 hours: Choose classes that follow the suggested program in the anticipated academic teaching area.

Total Credit Hours: 60

Note: Foreign Language is necessary and the number of hours will vary depending on the transfer university requirements.

*Course has prerequisite (See course description section of catalog).

**Check catalog for advanced standing credit. Language proficiency at the novice high level required. Call (918) 595-7851 for proficiency certification.

^Course must be completed with a "C" or better.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements..

Physical education activity courses do not count toward the associate degree requirements in this curriculum.

ELEMENTARY EDUCATION

LU Transfer Option for Elementary or Special Education

Program Description:

This curriculum includes degree requirements and courses generally completed in the first two years of a four-year curriculum. The degree is for students who want to receive Oklahoma Teacher Certification and teach at the elementary level or in special education. Students should work with an academic counselor at Tulsa Community College West Campus to carefully select courses that will meet the Langston baccalaureate and the TCC associate degree programs. Students in this degree should plan to take the Oklahoma General Education Test during the last term at TCC. Upon completion of the four-year curriculum at Langston, a student will be prepared to apply for an Oklahoma Teacher Certificate in Elementary Education or Special Education. A grade of "C" or better is required in the coursework for this curriculum and students must maintain a 2.5 GPA to graduate from Langston University.

Degree Awarded: Associate in Arts

General Education Requirements Credit Hours: 38

English 9 hours

- *ENGL 1113 Composition I
- *ENGL 1213 Composition II
- *ENGL 2383 Advanced Composition

Humanities 6 hours

See the General Education Requirements page for complete list

Continued >>

Mathematics 3 hours

See the General Education Requirements page for complete list

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Science 8 hours

*PHSC 1114 General Physical Science
 BIOL 1114 General Biology for Non-Majors
 (Courses in Physics, Chemistry, Zoology may be substituted.
 One of the courses must have a lab.)

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 22
Child Development 10 hours

^CHLD 2003 Child Development in the Lifespan
 ^CHLD 2031 Early Field Experience
 ^*CHLD 2133 Middle Childhood Foundations
 ^*CHLD 2173 Historical and Philosophical Foundations of Schools

Recommended Electives 12 hours

CSCI 1203 Computer Concepts and Applications
 ENGL/NURS 1003 Academic Strategies
 GEOG 1043 Introduction to Cultural Geography
 *MATH 2423 Mathematics Concepts for Educators
 *MATH 2553 Geometry and Measurement
 SPCH 2103 Interpersonal Communication

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).
 ^Course must be completed with a "C" or better.
 To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.
 Foreign Language: Students must meet the university requirement of two college-level courses in a single foreign language or successful completion of 2 years of foreign language in high school and pass a proficiency exam.
 Physical education activity courses do not count toward the associate degree requirements in this curriculum.

ELECTRONICS TECHNOLOGY

Workforce Development Degree

Program Description:

This program prepares the student with the necessary knowledge and skills to gain employment as an engineering technician, field service technician, research and development technician, or production technician in the field of electronics and be able to advance to positions of increasing responsibility. This program will help the graduate prepare to take the examination to become a Certified Engineering Technician given by the Institute for Certification of Engineering Technicians. **This program also allows incoming credit from approved Military Electronics Training Facilities.**

Degree Awarded: Associate in Applied Science
General Education Requirements Credit Hours: 20-22
English 6 hours

*ENGL 1113 Composition I
and select one course from the following:
 *ENGL 1213 Composition II
 **ENGL 2333 Technical/Professional Writing

Mathematics 4-6 hours

*MATH 1454 Technical Mathematics
or the following two courses:
 ***MATH 1513 College Algebra
 ***MATH 1613 Plane Trigonometry

Science 4 hours

Select one course from the following:
 *PHYS 1114 General Physics
 *PHSC 1114 General Physical Science

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 40
Computer Information Systems 3 hours

CSCI 1203 Computer Concepts and Applications

Drafting and Design Engineering Technology 3 hours

DRFT 1323 Engineering Drawing with CAD

Electronics Technology Option 28 hours

*ELET 1212 Introduction to Electricity
 *ELET 1303 DC Circuit Analysis
 *ELET 1313 AC Circuit Analysis
 *ELET 1503 Programmable Control
 *ELET 2215 Digital Circuits
 *ELET 2244 Amplifiers I
 *ELET 2333 Amplifiers II
 *ELET 2525 Wireless Communications

or US Navy Technology Option 28 hours

+Navy or Military Technical Training Facilities (ACE credit)

Controlled Electives Credit Hours: 6

*ELET 1223 Hydraulics and Pneumatics
 *ELET 2514 Microprocessors
 *ELET 2533 Automation Control
 *ELET 2622 Electronic Design
 *ELET/ALTE 1442 Introduction to Alternative Energy
 *ELET/NANT 2632 Introduction to Nanotechnology
 NCMT 1212 Introduction to Machining

Total Credit Hours: 60-62

*Course has prerequisite (See course description section of the catalog).
 **It is highly recommended that students select this course as part of their English requirements.
 ***Recommended for students who plan to transfer to a four-year program.
 + Students with fewer than 28 hours ACE credit should contact Advisement or Testing for other options.

ELECTRONICS TECHNOLOGY

Alternative Energy Option

Workforce Development Degree

Program Description:

This multi-functional program is designed for students interested in working with alternative/renewable energy. Oklahoma is ranked 8th in the United States for wind mill utility operation and is growing with the reduced cost of manufacturing solar cells. The student will measure and analyze both wind and solar power systems. This program will also study Biofuels and Hydrogen power conversion systems.

Degree Awarded: Associate in Applied Science

General Education Requirements Credit Hours: 20-22

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Mathematics 4-6 hours

*MATH 1454 Technical Mathematics

or the following two courses:

*MATH 1513 College Algebra

*MATH 1613 Plane Trigonometry

Science 4 hours

Select one course from the following:

*PHYS 1114 General Physics

*PHSC 1114 General Physical Science

Specialized Course Requirements Credit Hours: 41

Computer Information Systems 3 hours

CSCI 1203 Computer Concepts and Applications

Drafting and Design 3 hours

DRFT 1323 Engineering Drawing with CAD

Alternative Energy 13 hours

ALTE/ELET 1223 Hydraulics and Pneumatics

*ALTE/ELET 1442 Introduction to Alternative Energy

*ALTE 1453 Solar Energy Systems

*ALTE 1463 Wind Energy Systems

ALTE 1472 Renewable Design Project

Electronics 14 hours

*ELET 1212 Introduction to Electricity

*ELET 1303 DC Circuits

*ELET 1313 AC Circuits

*ELET 1503 Programmable Control

*ELET 2533 Automation Control

Engineering 6 hours

ENGR 1363 Metallurgy

ENGR 1463 Composite Materials

Numerical Control 2 hours

NCMT 1212 Introduction to Machining

Total Credit Hours: 61-63

* Course has prerequisite. (See course description section of catalog).

ELECTRONICS TECHNOLOGY

Biomedical Equipment Technology Option

Workforce Development Degree

Program Description:

This program prepares the student with the necessary knowledge and skills to gain employment as a biomedical equipment technician. The biomedical equipment technician is qualified for positions in medical research and development, operation calibration, and maintenance of medical equipment for hospitals, equipment suppliers, and manufacturers. Upon completion of the program, the graduate may apply for the certification test given by the board of examiners for the International Certification Commission for the Certified Biomedical Equipment Technician (CBET)

Degree Awarded: Associate in Applied Science

General Education Requirements Credit Hours: 20-22

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

Mathematics 4-6 hours

*MATH 1454 Technical Mathematics

or the following two courses:

***MATH 1513 College Algebra

***MATH 1613 Plane Trigonometry

Science 4 hours

Select one course from the following:

*PHYS 1114 General Physics I

*PHSC 1114 General Physical Science

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 45

Biomedical Equipment 15 hours

*BMET 1304 Introduction to Biomedical Electronics

*BMET 2343 Biomedical Electronics Theory I

*BMET 2353 Biomedical Electronics Theory II

*BMET 2382 Contemporary Issues in Biomedical Electronics

and select one course from the following:

*BMET 2373 Biomedical Electronics Clinical

*CSCI 2103 Networking Technology

Computer Information Systems 6 hours

CSCI 1203 Computer Concepts and Applications

*CSCI 1263 Networking Fundamentals

Electronics Technology 24 hours

*ELET 1212 Introduction to Electricity

*ELET 1303 DC Circuit Analysis

*ELET 1313 AC Circuit Analysis

*ELET 2215 Digital Circuits

*ELET 2244 Amplifiers I

*ELET 2525 Wireless Communication

*ELET/NANT 2632 Introduction to Nanotechnology

Total Credit Hours: 65-67

*Course has prerequisite (See course description section of catalog).

***It is highly recommended that students select this course as part of this program.

ELECTRONICS TECHNOLOGY

Electro-Mechanical Manufacturing Option Workforce Development Degree

Program Description:

This multi functional program is designed for students to gain a successful career in many of Tulsa's manufacturing jobs. Automation is the lead technology used to control processes in manufacturing circles. Students will receive training in electronics, fluid power, PLCs, and motor control systems that applies to industry needs. Energy and composite material will be introduced with laboratory experiences. This program is also designed to provide upgrade training to those already employed in a manufacturing environment.

Degree Awarded: Associate in Applied Science
General Education Requirements Credit Hours: 20-22
English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

Mathematics 4-6 hours

*MATH 1454 Technical Mathematics

or the following two courses:

***MATH 1513 College Algebra

***MATH 1613 Plane Trigonometry

Science 4 hours
Select one course from the following:

*PHYS 1114 General Physics I

*PHSC 1114 General Physical Science

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 40
Computer Information Systems 3 hours

CSCI 1203 Computer Concepts and Applications

Drafting and Design Engineering Technology 3 hours

DRFT 1323 Engineering Drawing with CAD

Electronics Technology 17 hours

*ELET 1212 Introduction to Electricity

*ELET/ALTE 1223 Hydraulics and Pneumatics

*ELET 1303 DC Circuit Analysis

*ELET 1313 AC Circuit Analysis

*ELET 1503 Programmable Control

*ELET 2533 Automation Control

Controlled Electives 17 hours

**APPR 1203 Apprenticeship

*ELET/ALTE 1442 Introduction to Alternative Energy

ELET 2215 Digital Circuits

ENGR 1313 Manufacturing Processes

ENGR 1363 Metallurgy

ENGR/NANT 1463 Composite Material

MGMT 1353 Management Essentials

NCMT 1212 Introduction to Machining

QCTT 1313 Introduction to Quality Control

Total Credit Hours: 60-62

*Course has prerequisite (See course description section of catalog).

**Three credit hours will be awarded to those students who have successfully completed the equivalent related coursework from a career technology center, industry training or 3 credit hours of Science and Engineering classes at TCC.

***It is highly recommended that students select this course as part of this program.

ELECTRONICS TECHNOLOGY

Nanotechnology Option Workforce Development Degree

Program Description:

This program prepares the student with a background in the growing field of nanotechnology. Nanotechnology is currently in the forefront of all other new technologies because nano and micro substances is a large part of electrical, chemical, and biological science. This option will help the graduate to obtain employment in the nano sciences or as a field service technician, engineering and research technician or systems electronic technician.

Degree Awarded: Associate in Applied Science
General Education Requirements Credit Hours: 28-31
Biology 4 hours

BIOL 1114 General Biology for Non-Majors

BIOL 1224 Introduction to Biology for Majors

Chemistry 4-5 hours

*CHEM 1114 Principles of Chemistry

*CHEM 1315 General Chemistry I

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

**ENGL 2333 Technical / Professional Writing

Mathematics 4-6 hours

*MATH 1454 Technical Mathematics

or the following two courses:

***MATH 1513 College Algebra

***MATH 1613 Plane Trigonometry

Science 4 hours**Select one course from the following:**

*PHYS 1114 General Physics

*PHSC 1114 General Physical Science

Social Science 6 hours

POLS 1113 American Federal Government

and select one of the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 37**Computer Information System 3 hours**

CSCI 1203 Computer Concepts and Applications

Biomedical Equipment Technology 4 hours

BMET 1304 Introduction to Biomedical Electronics

Electronics Technology 22 hours

*ELET 1212 Introduction to Electricity

*ELET 1303 DC Circuit Analysis

*ELET 1313 AC Circuit Analysis

*ELET 2215 Digital Circuits

*ELET 2244 Amplifiers I

*ELET 2525 Wireless Communications

Nanotechnology 8 hours

*NANT/ELET 2632 Introduction to Nanotechnology

*NANT/ELET 2643 Nanoelectronics

*NANT/ELET 2653 Nanoscience

Total Credit Hours 65-68

*Course has prerequisite (see course description section of the catalog).

** It is highly recommended that students select this course as part of their English requirements.

***Recommended for students who plan to transfer to a four-year program.

ELECTRONICS TECHNOLOGY**Workforce Development Certificate****Program Description:**

This program prepares the student with the necessary knowledge and skills to gain employment as an engineering technician, field service technician, research and development technician, or production technician in the field of electronics and be able to advance to positions of increasing responsibility. This program will help the graduate prepare to take the examination to become a Certified Engineering Technician given by the Institute for Certification of Engineering Technicians.

Degree Awarded: Certificate of Achievement**Mathematics 4-6 hours**

*MATH 1454 Technical Mathematics

or the following two courses:

***MATH 1513 College Algebra

***MATH 1613 Plane Trigonometry

Electronics Technology 12 hours

*ELET 1212 Introduction to Electricity

*ELET 1303 DC Circuit Analysis

*ELET 1313 AC Circuit Analysis

*ELET 2244 Amplifiers I

Controlled Electives 5-6 hours

ELET 1223 Hydraulics and Pneumatics

ELET 1503 Programmable Control

*ELET 2215 Digital Circuits

ELET 2533 Automation Control

Total Credit Hours: 21-24

*Course has prerequisite (See course description section of the catalog).

ELECTRONICS TECHNOLOGY**Alternative Energy****Workforce Development Certificate****Program Description:**

This short program is designed for those interested in working with alternative/renewable energy or wanting a better understanding of the different energy production fields. Oklahoma is ranked 8th (2007) in the US for wind mill utility operation. Solar has long been a part in alternative energy production and is growing with the reduced cost of manufacturing solar cells. The student will measure and analyze both wind and solar power systems. This program also studies Biofuels and Hydrogen power conversion systems.

Degree Awarded: Certificate of Achievement**For More Information Contact:**

Science, Mathematics, and Engineering Technology Division:
Northeast (918) 595-7542

Alternative Energy 13 hours

ALTE/ELET 1223 Hydraulics and Pneumatics

*ALTE/ELET 1442 Introduction to Alternative Energy

*ALTE 1453 Solar Energy Systems

*ALTE 1463 Wind Energy Systems

ALTE 1472 Renewable Design Project

Electronics 5 hours

*ELET 1212 Introduction to Electricity

*ELET 1503 Programmable Control

Total Credit Hours 18

* Course has prerequisite. (See course description section of catalog).

ELECTRONICS TECHNOLOGY

Biomedical Equipment Technology Option Workforce Development Certificate

Program Description:

This program is designed to prepare students who have already obtained an associate or bachelor's degree in science to work in the medical electronic field.

Degree Awarded: Certificate of Achievement
Mathematics 4-6 hours

*MATH 1454 Technical Mathematics

or the following two courses:

***MATH 1513 College Algebra

***MATH 1613 Plane Trigonometry

Biomedical Equipment 10 hours

*BMET 1304 Introduction to Biomedical Electronics

*BMET 2343 Biomedical Electronics Theory I

*BMET 2353 Biomedical Electronics Theory II

Electronics Technology 17 hours

*ELET 1212 Introduction to Electricity

*ELET 1303 DC Circuit Analysis

*ELET 1313 AC Circuit Analysis

*ELET 2215 Digital Circuits

*ELET 2244 Amplifiers I

Total Credit Hours: 31-33

*Course has prerequisite (See course description section of catalog).

***It is highly recommended that students select this course as part of this program.

ELECTRONICS TECHNOLOGY

Nanotechnology Workforce Development Certificate

Program Description:

This program certificate is designed to prepare the engineering technologist student with a background in Nanotechnology. The study of Nanotechnology includes chemistry, electronics, bio science, plastics, and micro mechanical machines. It is recommended that the additional math and science courses be completed before starting this course work.

Degree Awarded: Certificate of Achievement
Chemistry 4-5 hours
Select one course from the following:

*CHEM 1114 Principles of Chemistry

*CHEM 1315 General Chemistry I

Mathematics 3-4 hours
Select one course from the following:

*MATH 1454 Technical Mathematics

***MATH 1513 College Algebra

Electronics Technology 2 hours

*ELET 1212 Introduction to Electricity

Nanotechnology/Electronics 8 hours

NANT/ENGR 1463 Composite Materials

*NANT/ELET 2632 Introduction to Nanotechnology

and select one course from the following:

*NANT/ELET 2643 Nanoelectronics

*NANT/ELET 2653 Nanoscience

Total Credit Hours: 17-19

*Course has prerequisite (See course description section of the catalog).

***Recommended for students who plan to transfer to a four-year program.

EMERGENCY MEDICAL TECHNOLOGY

Workforce Development Degree

Program Description:

This program is developed jointly by Tulsa Community College and Tulsa Technology Center. Basic: This option provides an opportunity for individuals to develop skills to function as an entry-level Emergency Medical Technician in a pre-hospital setting. Course of study includes introductory anatomy and physiology, patient assessment, automatic operations. Paramedic: The paramedic phase of the program emphasizes more extended and in-depth study of theories and clinical experiences. Basic Trauma Life Support, Advanced Cardiac Life Support and Pediatric Advanced Life Support units are taught. This phase also contains leadership instruction appropriate to prepare the student to function in the role of the Paramedic and as a member of the health care team. Successful completion of the National Registry of Emergency Medical Technicians examination at the Basic and Paramedic levels qualifies graduates for licensure by the Oklahoma State Department of Health.

Degree Awarded: Associate in Applied Science
Procedures for Application:

1. Obtain an admission packet from Tulsa Technology Center. Packets are located at all Tulsa Technology Center campuses in the Adult Education office.
2. An admission test is required for full-time programs at Tulsa Technology Center (see admission packet for details).
3. Submit completed program application form and required documents to the Career Services Center, Tulsa Technology Center, Please call (918) 828-2024 for application deadlines.
4. Contact Associate Dean, Liberal Arts and Community Service Programs (918) 595-7494, for program application form and any specific information.
5. All prospective EMDT program students must complete an application for enrollment to the College and submit their high school transcripts, GED scores, ACT/SAT scores, college transcripts and any previous training and/or education to the Northeast Campus Registrar at 3727 East Apache, Tulsa, OK 74115. Incomplete submissions will not be considered for Science Degree program.

For More Information Contact:

Students should consult with Tulsa Tech Admissions and Enrollment Staff in the Career Services Center at (918) 828-5200 before enrolling in this option.

TCC Liberal Arts and Community Services Division:
Northeast Campus (918) 595-7494

General Education Requirements Credit Hours: 19**Biology 4 hours**

BIOL 1314 Human Anatomy and Physiology

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2343 Business Communication I

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 41**EMDT Basic 8 hours**

**EMDT 1013 EMDT Basic Introduction

**EMDT 1024 EMDT Basic Practicum

**EMDT 1041 EMDT Basic Clinical

EMDT Paramedic 24 hours

EMDT 1213 Introduction to Paramedicine

EMDT 1231 Paramedicine Clinical Introduction

EMDT 1342 Paramedic Patient Assessment

EMDT 1351 Patient Assessment Clinical

EMDT 2003 Paramedic Trauma and Trauma Clinical

EMDT 2014 Paramedic Medical

EMDT 2031 Paramedic Medical Clinical

EMDT 2061 PreHospital Trauma Life Support

EMDT 2111 EMS Clinical

*EMDT 2131 Paramedic Special Considerations and Assessment Based Mgmt.

EMDT 2151 Special Considerations Clinical

EMDT 2212 Physician Internship

EMDT 2231 Paramedic Operations

EMDT 2252 EMS Internship

Fire and Emergency Services 3 hours

FESR 1313 Fundamentals of Fire Protection

Recommended Electives 6 hours

ALDH 1323 Medical Terminology

BUSN 2363 Supervisory Management

CSCI 1203 Computer Concepts and Applications

HCAD 1103 Legal Practices in Health Care

HCAD 1113 Risk Management in Health Care

HSVC 1313 Chemical Dependency and Treatment

HSVC 2003 Dynamics of Family Relationships

INTD 1363 American Sign language I

MGMT 2123 Leadership Development

*MATH 1513 College Algebra

NURS 2403 Dosage Calculations for Nurses

PHIL 2153 Medical Ethics

*PSYC 2023 Developmental Psychology

*PSYC 2053 Social Psychology

*SOC 2713 Aging and Behavior

SPAN 1103 Spanish I

SPCH 1113 Speech Communication I

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).

**Course must be completed with a "B" grade or above.

NOTE: Students who have passed the State of Oklahoma and National Registry examinations at either the Basic EMDT or Paramedic level may apply for advanced standing credit in these courses. Application must be made in the Counseling and Testing Center at the Northeast Campus. Specialized Course Requirements should be taken at Tulsa Technology Center, Peoria Campus, or any other educational institution that offers approved programs.

ENGINEERING**University Transfer Degree****University Transfer Degree Information:**

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Science**For More Information Contact:**

Science, Mathematics, and Engineering Technology Division:
Northeast: (918) 595-7542

General Education Requirements Credit Hours: 21

See the General Education Requirements for the complete list, including the 3 hours of required electives from the following: Psychology, Social Sciences, Foreign Languages, Fine Arts (Art, Music, Theatre). Science, Mathematics, and elective requirements satisfied in Specialized Course Requirements.

Specialized Course Requirements Credit Hours: 45**Chemistry 5 hours**

*CHEM 1315 General Chemistry I

Engineering 17 hours

*ENGR 1132 Engineering Design with Computer Aided Design

*ENGR 2103 Engineering Statics

*ENGR 2143 Engineering Strength of Materials

*ENGR 2213 Thermodynamics

*ENGR 2523 Elementary Dynamics

*ENGR 2613 Introduction to Electrical Science

Mathematics 15 hours

*MATH 2114 Analytic Geometry and Calculus I

*MATH 2124 Analytic Geometry and Calculus II

*MATH 2134 Analytic Geometry and Calculus III

*MATH 2613 Elementary Differential Equations

Physics 8 hours

*PHYS 2034 Engineering Physics I

*PHYS 2124 Engineering Physics II

Continued >>

Additional Recommended Courses

(not required for degree)

+*CHEM 1415 General Chemistry II

CSCI 1203 Computer Concepts and Applications

**ENGR 1111 Introduction to Engineering

**ENGR 1242 Introductory Engineering Computer Programming

Total Credit Hours: 66

*Course has prerequisite (See course description section of catalog).

**Recommended for all engineering majors.

+Recommended for students wishing to complete a BS degree in chemical or environmental engineering.

Students should select hours from the recommended field of concentration and/or recommended electives to satisfy general education requirements where possible. Courses needed to remedy any necessary deficiency in mathematics may, in some cases, meet general education requirements. To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

*PHYS 2124 Engineering Physics II

Computer Information Systems 7 hours

*CSCI 1901 Beginning UNIX (LINUX)

*CSCI 2473 C Language

*CSCI 2843 C++ Programming Language

Total Credit Hours: 67

*Course has prerequisite (See course description section of catalog).

Students should select hours from the recommended field of concentration and/or recommended electives to satisfy general education requirements where possible. Courses needed to remedy any necessary deficiency in mathematics may, in some cases, meet general education requirements.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

ENGINEERING
**Computer Engineering Option
University Transfer Degree**
University Transfer Degree Information:

 This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Science.
For More Information Contact:

 Science, Mathematics, and Engineering Technology Division:
Northeast: (918) 595-7542

General Education Requirements Credit Hours: 21

See the General Education Requirements for the complete list, including the 3 hours of required electives from the following: Psychology, Social Sciences, Foreign Languages, Fine Arts (Art, Music, Theatre). Science, Mathematics, and elective requirements satisfied in Specialized Course Requirements.

Specialized Course Requirements Credit Hours: 46
Chemistry 10 hours

*CHEM 1315 General Chemistry I

*CHEM 1415 General Chemistry II

Engineering 6 hours

ENGR 1111 Introduction to Engineering

*ENGR 1132 Engineering Design with Computer Aided Design

*ENGR 2613 Introduction to Electrical Science

Mathematics 15 hours

*MATH 2114 Analytic Geometry and Calculus I

*MATH 2124 Analytic Geometry and Calculus II

*MATH 2134 Analytic Geometry and Calculus III

*MATH 2613 Elementary Differential Equations

Physics 8 hours

*PHYS 2034 Engineering Physics I

ENGINEERING
**Electronics Technology Option
University Transfer Degree**
University Transfer Degree Information:

 This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Science
For More Information Contact:

 Science, Mathematics, and Engineering Technology Division:
Northeast: (918) 595-7542

General Education Requirements Credit Hours: 34
English 6 hours

*ENGL 1113 Composition I

*ENGL 1213 Composition II

Geography 3 hours

GEOG 1043 Introduction to Cultural Geography

Humanities 6 hours

See the General Education Requirements page for complete list.

Mathematics 6 hours

*MATH 1513 College Algebra

*MATH 1613 Plane Trigonometry

Science 4 hours

*PHYS 1114 General Physics I

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 33****Apprenticeship 3 hours**

APPR 1203 Apprenticeship

Computer Information Systems 3 hours

Select any 3 hours of CSCI/CSYS courses.

Electronics 27 hours

*ELET 1212 Introduction to Electricity

*ELET 1303 DC Circuit Analysis

*ELET 1313 AC Circuit Analysis

*ELET 1503 Programmable Controls

*ELET 2215 Digital Circuits

*ELET 2244 Amplifiers I

*ELET 2525 Wireless Communications

*ELET 2622 Electronic Design

Total Credit Hours: 67

*Course has prerequisite (See course description section of catalog).

**This 3 credit hour apprenticeship will be awarded to those students who have successfully completed the equivalent of 3 credit hours of Computer Science, Electronics or Telecommunications from a Career Technology Center. (Students planning to transfer to pursue a bachelor's degree should contact Northeast Campus Counseling Center staff to select courses that will transfer.)

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

ENGINEERING**Electronics Engineering Technology Option****University Transfer Degree****University Transfer Degree Information:**

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer to and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree program.

Degree Awarded: Associate in Science**For More Information Contact:**Science, Mathematics, and Engineering Technology Division:
Northeast: (918) 595-7542**General Education Requirements Credit Hours: 42****Chemistry 5 hours**

*CHEM 1315 General Chemistry I

English 6 hours

*ENGL 1113 Composition I

*ENGL 1213 Composition II

Humanities 6 hours

See the General Education Requirements page for complete list

Mathematics 8 hours

*MATH 2114 Analytic Geometry and Calculus I

*MATH 2124 Analytic Geometry and Calculus II

Physics 8 hours

*PHYS 1114 General Physics I

*PHYS 1214 General Physics II

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 24**Computer Information Systems 4 hours**

*CSCI 1901 Beginning UNIX (LINUX)

*CSCI 2473 C Language

Electronics Technology 20 hours

*ELET 1303 DC Circuit Analysis

*ELET 1313 AC Circuit Analysis

*ELET 1212 Introduction to Electricity

*ELET 2215 Digital Circuits

*ELET 2244 Amplifiers I

*ELET 2333 Amplifiers II

Total Credit Hours: 66

*Course has prerequisite (See course description section of catalog).

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

ENGINEERING**Electrical Engineering Option****University Transfer Degree****University Transfer Degree Information:**

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Science.**For More Information Contact:**Science, Mathematics, and Engineering Technology Division:
Northeast: (918) 595-7542**General Education Requirements Credit Hours: 21**

See the General Education Requirements for the complete list, including the 3 hours of required electives from the following: Psychology, Social Sciences, Foreign Languages, Fine Arts (Art, Music, Theatre). Science, Mathematics, and elective requirements satisfied in Specialized Course Requirements.

Continued >>

Specialized Course Requirements Credit Hours: 48
Chemistry 10 hours

- *CHEM 1315 General Chemistry I
- *CHEM 1415 General Chemistry II

Engineering 9 hours

- ENGR 1111 Introduction to Engineering
- *ENGR 1132 Engineering Design with Computer Aided Design
- *ENGR 2103 Engineering Statics
- *ENGR 2613 Introduction to Electrical Science

Mathematics 15 hours

- *MATH 2114 Analytic Geometry and Calculus I
- *MATH 2124 Analytic Geometry and Calculus II
- *MATH 2134 Analytic Geometry and Calculus III
- *MATH 2613 Elementary Differential Equations

Physics 8 hours

- *PHYS 2034 Engineering Physics I
- *PHYS 2124 Engineering Physics II

Computer Information Systems 7 hours

- *CSCI 1901 Beginning UNIX (LINUX)
- *CSCI 2473 C Language
- *CSCI 2843 C++ Programming Language

Total Credit Hours: 69

*Course has prerequisite (See course description section of catalog). Students should select hours from the recommended field of concentration and/or recommended electives to satisfy general education requirements where possible. Courses needed to remedy any necessary deficiency in mathematics may, in some cases, meet general education requirements.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

ENGINEERING

Mechanical Engineering Option University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Science
For More Information Contact:

Science, Mathematics, and Engineering Technology Division:
Northeast: (918) 595-7542

General Education Requirements Credit Hours: 21

See the General Education Requirements for the complete list, including the 3 hours of required electives from the following: Psychology, Social Sciences, Foreign Languages, Fine Arts (Art, Music, Theatre). Science, Mathematics, and elective requirements satisfied in Specialized Course Requirements.

Specialized Course Requirements Credit Hours: 48
Chemistry 5 hours

- *CHEM 1315 General Chemistry I

Engineering 20 hours

- ENGR 1111 Introduction to Engineering
- *ENGR 1132 Engineering Design with Computer Aided Design
- **ENGR 1242 Introductory Engineering Computer Programming
- *ENGR 2103 Engineering Statics
- *ENGR 2143 Engineering Strength of Materials
- *ENGR 2213 Thermodynamics
- *ENGR 2523 Elementary Dynamics
- *ENGR 2613 Introduction to Electrical Science

Mathematics 15 hours

- *MATH 2114 Analytic Geometry and Calculus I
- *MATH 2124 Analytic Geometry and Calculus II
- *MATH 2134 Analytic Geometry and Calculus III
- *MATH 2613 Elementary Differential Equations

Physics 8 hours

- *PHYS 2034 Engineering Physics I
- *PHYS 2124 Engineering Physics II

Total Credit Hours: 69

*Course has prerequisite (See course description section of catalog).

**Recommended for all engineering majors.

Students should select hours from the recommended field of concentration and/or recommended electives to satisfy general education requirements where possible. Courses needed to remedy any necessary deficiency in mathematics may, in some cases, meet general education requirements.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

ENGLISH

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Arts
For More Information Contact:

Communication Services Division
Metro: (918) 595-7064 • Northeast: (918) 595-7494

General Education Requirements Credit Hours: 37

See the General Education Requirements for complete list.

Specialized Course Requirements Credit Hours: 23-24
English 15 hours

- *ENGL 2413 Introduction to Literature
- *ENGL 2543 British Literature I
- *ENGL 2653 British Literature II
- *ENGL 2773 American Literature I
- *ENGL 2883 American Literature II

Recommended Electives 8-9 hours

ART 1053 Art History Survey I
 ART 1063 Art History Survey II
 ART 1113 Art Appreciation
 ECON 2013 Principles of Macroeconomics
 *ENGL 2333 Technical/Professional Writing
 *ENGL 2343 Business Communication I
 FREN 1103 French I
 *FREN 1213 French II
 *FREN 1313 French III
 *FREN 1413 French IV
 HIST 1033 History of Oklahoma
 HIST 1053 Ancient and Medieval Western Civilization
 HIST 1063 Modern Western Civilization
 HIST 1083 Survey of English History to 1688
 HIST 1093 Survey of English History 1688-Present
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present
 HUMN 2113 Humanities I
 JRMC 1013 Introduction to Mass Communications
 *JRMC 1123 News Writing and Reporting
 MUSC 1113 Music Appreciation
 PHIL 1113 Introduction to Philosophy
 PHIL 2113 Logic
 PSYC 1113 Introduction to Psychology
 SOCI 1113 Introduction to Sociology
 SPAN 1103 Spanish I
 *SPAN 1213 Spanish II
 SPCH 1113 Speech Communication I
 THEA 1093 Introduction to Theatre

Total Credit Hours: 60-61

*Course has prerequisite. (See course description section of catalog.)
 To receive an A.A. or A.S. degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements. Physical education activity courses do not count toward the associate degree requirements in this curriculum.

ENTERPRISE DEVELOPMENT

General Studies

University Transfer Program

Program Description: This degree is designed for working adults who want to finish an associate degree. Students must have completed at least 18 hours of college credit through any accredited college or university, have a minimum 2.0 GPA from previous college credits, and have completed any required remedial courses. Additional information is available at www.tulsacc.edu/reachhigher. Admission to this program is by special approval of the Business and Information Technology Division Office at West Campus.

Degree Awarded: Associate in Arts, Associate in Science

For More Information Contact:

Business and Information Technology:
 West: (918) 595-8033

General Education Requirements Credit Hours: 37

See the General Education Requirements for complete list. The nine hours of Required and Recommended Electives are satisfied by taking the three required courses below:
 CSCI 1203 Computer Concepts and Applications
 SPCH 1113 Speech Communication I
 Any Foreign Language - 3 credit hours

Students may select from the following two degree options:

- 1) Business Administration
- 2) General Studies

1) Business Administration Option 24 hours

Accounting 6 hours

ACCT 2213 Financial Accounting
 *ACCT 2223 Managerial Accounting

Business 3 hours

Select three credit hours from 2000-level BUSN courses

Economics 6 hours

ECON 2013 Principles of Macroeconomics
 *ECON 2023 Principles of Microeconomics

Internship 3 hours

Select three credit hours from any Internship/Practicum

Marketing 3 hours

MKTG 2423 Principles of Marketing

Statistics 3 hours

MATH 2193 Elementary Statistics

2) General Studies Option 23 hours

Select courses in student's field of interest for 23 credit hours

Total Credit Hours: 60-61

*Course has prerequisite. (See course description section of catalog.)
 To receive an A.A. or A.S. degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements. Physical education activity courses do not count toward the associate degree requirements in this curriculum.

ENVIRONMENTAL SCIENCE & NATURAL RESOURCES

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Program Description:

This degree is designed for students interested in pursuing a career in agriculture, conservation, environmental science, or natural resource management (such as forestry, range or wildlife sciences).

Continued >>

Degree Awarded: Associate in Science

For More Information Contact:

Science and Mathematics Division
 Metro: (918) 595-7334 West (918) 595-8193

General Education Requirements Credit Hours: 35

Additional hours of General Education recommended elective requirements satisfied in Specialized Course Requirements.

Biology 8 hours

BIOL 1224 Introduction to Biology for Majors
and select one course from the following

- *BIOL 1604 Zoology
- *BIOL 1404 General Botany

English 6 hours

- *ENGL 1113 Composition I
- *ENGL 1213 Composition II

Humanities 6 hours

See the General Education Requirements for complete list. **

Mathematics 3 hours

- *MATH 1513 College Algebra

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Controlled Electives 6 hours

- ECON 2013 Principles of Macroeconomics
- SPCH 1113 Speech Communications I

Specialized Course Requirements Credit Hours: 26-28

Chemistry 10 hours

- *CHEM 1315 General Chemistry I
- *CHEM 1415 General Chemistry II

Mathematics 6 hours

- *MATH 1613 Plane Trigonometry
- *MATH 2193 Elementary Statistics

Earth Science 4 hours

Select one course from the following:

- GEOL 1014 General Physical Geology
- *PHSC 1114 General Physical Science

Select 6-8 credit hours from the following areas of emphasis:

Environmental Science

- SOCI 1113 Introduction to Sociology
- BIOL 2123 Human Ecology
- BIOL 2313 Principles of Ecology
- *MATH 2114 Analytical Geometry and Calculus I

or

- *MATH 2523 Calculus for Business, Life, and Social Sciences
- *PHYS 1114 General Physics I
- *PHYS 1214 General Physics II

Natural Resources

- *BIOL 1404 General Botany

*BIOL 1604 Zoology

GEOG/GIS 2344 Introduction to Geographic Information Systems

GIS 2373 GIS Data Acquisition and Management

*GIS 2383 Advanced Geographic Information Systems

Total Credit Hours: ^61-63

*Course has prerequisites (See course description section of catalog). Student should select hours from the recommended field of concentration and/or recommended electives to satisfy general education requirements where possible.

To receive an A.A. or A.S. degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

**** Students should select courses that will transfer to the specific college/university they plan to attend. See the University Transfer Degree Information above.**

FIRE and EMERGENCY SERVICES

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Program Description:

This program offers a broad education in the principles and practical applications of fire prevention, fire hydraulics, incident command, fire and associated hazards, fire protection systems, building design, and fire service administration. It provides specialized training for in-service fire personnel and individuals who wish to enter the profession. Graduates are prepared to secure employment with municipal or other fire departments, industrial firms, governmental agencies, and fire protection companies. In addition to the Associate in Science degree, attainment of Emergency Medical Technician-Basic (EMDT-B) is strongly encouraged for individuals seeking employment in the fire service.

IT SHOULD BE NOTED THAT FIRE DEPARTMENTS HAVE RIGOROUS PHYSICAL REQUIREMENTS AND THE TYPICAL APPLICATION PROCESS IS EXTREMELY COMPETITIVE. WHILE FIRE DEPARTMENT ADMINISTRATIONS VIEW FORMAL EDUCATION IN FIRE AND EMERGENCY SERVICES WITH FAVOR, STUDENTS SHOULD NOT ASSUME THAT COMPLETION OF THIS PROGRAM WILL GUARANTEE EMPLOYMENT WITH A FIRE DEPARTMENT. (In most fire departments, applicants must be at least 21 years of age.)

Degree Awarded: Associate in Science

For More Information Contact:

Fire and Emergency Services Program: (918) 595-7443

Liberal Arts and Community Services Division:

Northeast: (918) 595-7494

General Education Requirements Credit Hours: 38

Chemistry 4 hours

- *CHEM 1114 Principles of Chemistry

Computer Information Systems 3 hours

CSCI 1203 Computer Concepts and Applications
or
 any higher level Computer Information Systems course

English 6 hours

*ENGL 1113 Composition I
 *ENGL 1213 Composition II

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Humanities 6 Hours

See the General Education Requirements page for complete list.

Mathematics 3 hours

*MATH 1513 College Algebra

Physics 4 hours

*PHYS 1114 General Physics

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Speech 3 hours

SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 30**Fire and Emergency Services 30 hours**

FESR 1313 Fundamentals of Fire Protection
 *FESR 1333 Fire Protection Hydraulics and Water Supply
 FESR 1343 Fundamental of Fire Prevention
 FESR 1353 Introduction to Incident Management
 FESR 2213 Introduction to Homeland Defense
 FESR 2313 Building Construction for Fire Protection
 FESR 2323 Fire and Emergency Services Administration
 FESR 2343 Fire Behavior and Combustion
 FESR 2403 Fire Protection Systems
 FESR 2463 Emergency Services Internship

Additional Recommended Courses

(not required for graduation)

FESR 2108 Basic Emergency Medical Technician Certification

Total Credit Hours: 68

*Course has prerequisite (See course description section of catalog).
 To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

FIRE and EMERGENCY SERVICES
Workforce Development Certificate

Program Description:

This certificate program is designed for both students who are preparing themselves for a career in the fire service and those who are currently employed as Firefighters. The curriculum is designed to provide education in the development of fire protection in the U.S., hydraulics and water supply, fire

prevention, incident management, fire investigation, building construction, fire and emergency services administration, fire behavior, fire protection systems, and emergency medical services response. This curriculum provides students with the technical knowledge necessary to maximize effectiveness in the position of Firefighters.

Degree Awarded: Certificate of Achievement**For More Information Contact:**

Fire and Emergency Services Program: (918) 595-7443.
 Liberal Arts and Community Services Division:
 Northeast: (918) 595-7494.

Fire and Emergency Services 41 hours

FESR 1313 Fundamentals of Fire Protection
 *FESR 1333 Fire Protection Hydraulics and Water Supply
 FESR 1343 Fundamentals of Fire Prevention
 FESR 1353 Introduction to Incident Management
 FESR 1363 Fire Investigation and Arson
 FESR 2108 Basic Emergency Medical Technician Certification.
 FESR 2213 Introduction to Homeland Defense
 FESR 2313 Building Construction for Fire Protection
 FESR 2323 Fire and Emergency Services Administration
 FESR 2343 Fire Behavior and Combustion
 FESR 2403 Fire Protection Systems
 FESR 2463 Emergency Services Internship

Total Credit Hours: 41

*Course has prerequisite (See course description section of the catalog).

GEOGRAPHY
University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Program Description:

Geography is the scientific study of Earth's surface and its immediate atmosphere. Geographers study the political, economic, social and environmental qualities of places and how these attributes interact. A geography graduate will possess the flexibility to pursue a career in urban and regional planning, international affairs, community development, location analysis in both the public and private sector, resource planning and management, cartography and teaching.

Degree Awarded: Associate in Science**For More Information Contact:**

Science and Mathematics Division Metro: (918) 595-7334,
 Liberal Arts Division Southeast: (918) 595-7780

Continued >>

General Education Requirements Credit Hours: 30**

See the General Education Requirements for the complete list. Science requirements satisfied in Specialized Course Requirements (one Science course selected must be a lab science.)

Specialized Course Requirements Credit Hours: 30-31
Geography 10 hours

+GEOG 1014 Geography (Physical)
 GEOG 1023 World Geography (Economic)
 GEOG 1043 Introduction to Cultural Geography
 GEOG 2013 Meteorology
 GEOG 2033 World Regional Geography
 GEOG 2153 Human Ecology

Geology 8-9 hours

GEOL 1014 General Geology (Physical)
 GEOL 1024 General Geology (Historical)
 GEOL 1113 Introduction to Oceanography
 GEOL 2021 Map and Airphoto Interpretations

Recommended Electives 11-12 hours

*BIOL 1404 General Botany
 *BIOL 1604 Zoology
 *CHEM 1315 General Chemistry I
 *CHEM 1415 General Chemistry II
 *GEOG/GIS/SURV 2344 Introduction to Geographic Information Systems
 GEOG 2354 Computer Cartography
 *GIS 2373 GIS Data Acquisition and Management
 *GIS 2383 Advanced Geographic Information Systems
 *GIS 2393 Geographic Information Systems Practicum
 *MATH 2114 Analytic Geometry and Calculus I
 *MATH 2124 Analytic Geometry and Calculus II
 *MATH 2134 Analytic Geometry and Calculus III
 SOCI 2123 Introduction to Cultural Anthropology

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).

**Students should select hours from the recommended field of concentration and/or recommended electives to satisfy general education requirements where possible.

+This course is required as part of the 10 hour program requirement. To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements. Physical education activity courses do not count toward the associate degree requirements in this curriculum.

GEOGRAPHIC INFORMATION SYSTEMS
Workforce Development Certificate

Program Description:

This certificate is designed for individuals whose objective is to become qualified for employment as a Geographic Information Systems Technician. The certificate will also serve to enable students to pursue education in GIS supplemental to any major they have chosen. In addition, the certificate will provide additional training and education to individuals currently working in a GIS career.

Degree Awarded: Certificate of Achievement
For More Information Contact:

Science and Mathematics Division: Metro: (918) 595-7334

Geography/Geographic Information Systems 17 hours

GIS/GEOG 2344 Introduction to Geographic Information Systems
 GEOG 2354 Computer Cartography

*GIS 2373 GIS Data Acquisition and Management

*GIS 2383 Advanced Geographic Information Systems

*GIS 2393 Geographic Information Systems Practicum

Total Credit Hours: 17

*Course has prerequisite (See course description section of catalog).

GEOLOGY
University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Program Description:

Geology is the scientific study of the earth. This endeavor includes Earth's composition, history, surface processes and internal workings. A degree in geology will provide the graduate the skills to discover, recognize and use the earth's natural resources to promote the quality of human life. Because the geologist will be aware of the events that continually shape the earth's surface, the geology graduate will provide to society the knowledge to enable all of us to occupy this planet's physical environment more safely.

Degree Awarded: Associate in Science
For More Information Contact:

Science and Mathematics Division: Metro: (918) 595-7334

General Education Requirements Credit Hours: 27-29**

See the General Education Requirements for the complete list.

NOTE: Students must complete a total of 60 hours to graduate. Science and Mathematics requirements satisfied in Specialized Course Requirements.

Specialized Course Requirements Credit Hours: 31-33
Chemistry 10 hours

*CHEM 1315 General Chemistry I

*CHEM 1415 General Chemistry II

Geology 8-9 hours

GEOL 1014 General Geology (Physical)

GEOL 1024 General Geology (Historical)

*GEOL 2021 Map and Airphoto Interpretation

Mathematics 5-6 hours

*MATH 1513 College Algebra

and

*MATH 1613 Plane Trigonometry

or

*MATH 1715 College Algebra and Trigonometry

Physics 8 hours

*PHYS 1114 General Physics I and

*PHYS 1214 General Physics II

or

*PHYS 2034 Engineering Physics I and

*PHYS 2124 Engineering Physics II

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).

**Students should select hours from the recommended field of concentration and/or recommended electives to satisfy general education requirements where possible. To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

GERIATRIC TECHNICIAN

Workforce Development Certificate

Program Description:

The Tulsa Community College Geriatric Technician Program is based on the proposed Oklahoma Certified Nurse Aide Career Ladder that provides an industry recognized professional development career path for certified nurse aides. The program provides collaborative learning experiences that develop advanced skills which will be utilized in the care of elderly clients in community-based long-term care facilities/agencies. The TCC Geriatric Technician Program consists of two options 1) the Geriatric Technician Certificate that offers six (6) hours of college credit in eight (8) weeks or 2) The Certified Nursing Assistant (CNA) Career Ladder with three distinctive levels, similar to the proposed Oklahoma Certified Nurse Aide Career Ladder model.

Option 1:**Geriatric Technician Certificate**

Geriatric Technicians are employed in community-based long-term care settings. Their job responsibilities are performed under the delegation and supervision of licensed nurses. Their responsibilities fall between those of a Certified Nurse Assistant and a Licensed Practical Nurse.

Option 2:**CNA Career Ladder Certificate Option**

The CNA Career Ladder Certificate Option offers a three (3) step progression in becoming a Geriatric Technician. Level 1 is based upon current Oklahoma nurse aide certification training and testing requirements regulated by the Oklahoma State Department of Health, Nurse Aide Registry. For those students who are already certified nursing assistants, the CNA Level 2 courses provide 2 hours of college credit with an additional 32 hours of skill development in core competencies applicable to certified nursing assistants working in a variety of community-based long-term care settings. The Level 3 CNA program provides 4 hours of college credit with an additional 128 hours of advanced education with a specialization in geriatric and dementia care. Upon completion of the CNA Level 3 course, the graduate receives certification as a Geriatric Technician. NOTE: Students enrolling in the CNA Level 1 course must also be enrolled in the CNA Level 2 program. Students must complete all coursework within the Geriatric Technician and CNA Career Ladder programs with a grade of "C" or higher, which includes

satisfactory demonstration of required skills.

Degree Awarded: Certificate of Achievement**For More Information Contact:**

Geriatric Technician Office: Metro (918) 595-7324

Procedure For Application:

1. Contact the Geriatric Technician Program Office, (918) 595-7324 for Geriatric Technician program application form and specific program information.
2. All prospective Geriatric Technician students must complete an application for enrollment to the College.
3. Submit completed program application form and required materials by the deadlines as identified in application materials. Submit materials to the Geriatric Technician Office located on the Metro Campus, Room MC501, 909 South Boston Ave., Tulsa, OK 74119.
4. Acceptance to Tulsa Community College does not guarantee admission into the Geriatric Technician Program.
5. Eligible applicants will be notified by mail regarding their selection status.
6. An orientation to the program, immunizations, current CPR certification and TB screening are required of students after their admission letter has been received and prior to the start of class.
7. In order to enroll in courses that include a clinical component and are a part of the program degree plan, students must receive clearance on a criminal background check, including sex offender registry. Drug testing is a requirement for participation in clinical rotations.

Certificate Requirements Credit Hours: 6

Nursing 6 hours

Option 1:

NURS 1216 Geriatric Technician

or**Option 2:**

*NURS 1142 Certified Nursing Assistant Level 2 (CNA II)**

*NURS 1154 Certified Nursing Assistant Level 3 (CNA III)

Total Credit Hours: 6

*Course has prerequisite (see course description section of the catalog).

**Requires NURS 1133 Long-Term Care Nursing Assistant (LTCNA) Level 1 or CNA Certification or equivalent.

GRAPHICS AND IMAGING TECHNOLOGY

Workforce Development Degree

Program Description:

This program is developed jointly by Tulsa Community College and Tulsa Technology Center. Printing is the process of manufacturing visual products intended for communicating a message through permanent graphic images. Production of printed materials involves work in a wide variety of graphic arts occupations and skill levels. This program offers training in the process of printing from plates produced by photographic negatives for both offset and flexographic printing. During the first year, the student will experience basic training in total production procedures including electronic imaging

(desktop publishing) using Apple Macintosh computers and QuarkXpress page layout software, camera and darkroom, negative stripping, platemaking process, offset press operation, flexographic press operations, and binding/finishing. Emphasis during the second year is on mechanical and quality control. Advanced training is given in bindery procedures, press operations, prepress operation, and electronic imaging using Photoshop and Illustrator software. Successful completion will qualify TCC's Graphics and Imaging Technology students for national certification by the Graphics Art Education Council and the Printing Industries of America. Students who attain a state competency certificate(s) will be placed on the Printing Industries of Americas National Employment Registry, 100 Daingerfield Rd., Alexandria, VA. 22314-2888, Phone: 703-519-8100. Course Location: Graphics and Imaging Technology courses will be taken at Tulsa Technology Center-Lemley Campus. General education courses will be offered by Tulsa Community College.

Degree Awarded: Associate in Applied Science

For More Information Contact:

Tulsa Community College Business and Information Technology Division at West Campus: (918) 595-8033
 Tulsa Technology Center Career Resources Center Department: (918) 828-5151

Procedures for Application:

1. Obtain an admission packet from Tulsa Technology Center. Packets are located at all Tulsa Tech campuses in the Adult Education Office.
2. An admission test is required for full-time programs at Tulsa Technology Center (see admission packet for details).
3. Submit completed program application form and required documents to the Career Services Center, Tulsa Technology Center, 3420 S. Memorial Dr., Tulsa OK 74145. Please call (918) 828-5200 for application deadlines.
4. All prospective Graphics and Imaging Technology students must complete an application for enrollment to Tulsa Community College and submit their high school transcripts, GED scores, ACT/SAT scores, college transcripts and any previous training and/or education to any TCC campus registrar.
5. Acceptance to TCC does not guarantee admission to the Graphics and Imaging Technology program.

General Education Requirements Credit Hours: 22-23

Chemistry 4-5 hours

CHEM 1034 Practical Chemistry
 *CHEM 1114 Principles of Chemistry
 *CHEM 1315 General Chemistry I

English 6 hours

*ENGL 1113 Composition I
 *ENGL 1213 Composition II

Psychology/Philosophy 3 hours

Select one course from the following

PSYC 1113 Introduction to Psychology

PSYC 1313 Human Relations
 PHIL/BUSN 1143 Introduction to Ethics: Business Issues

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

Select one course from the following:

SPCH 1113 Speech Communication I
 SPCH 2103 Interpersonal Communication
 SPCH/BUSN 2053 Intercultural Communication

Specialized Course Requirements Credit Hours: 37-38

Graphics and Imaging Technology 32 hours

GRPH1011 Graphics Imaging Technologies Introduction
 GRPH 1143 Reproduction Photography
 GRPH 1223 Image Assembly/Platemaking
 GRPH 1333 Basic Press Operation
 GRPH 1413 Basic Electronic Imaging
 GRPH 1443 Finishing/Bindery
 #GRPH 2014 Advanced Electronic Imaging I
 GRPH 2064 Advanced Electronic Imaging II
 ##GRPH 2124 Advanced Press Operations I
 GRPH 2224 Advanced Press Operations II

Recommended Electives 5-6 hours

BUSN 1053 Introduction to Business
 BUSN/PHIL 1143 Introduction to Ethics: Business Issues
 BUSN/SPCH 2053 Intercultural Communication
 HIST 1033 History of Oklahoma
 MGMT 1353 Management Essentials
 MGMT 2123 Leadership Development
 MGMT 2363 Principles of Management
 *MATH 1454 Technical Mathematics
 QCT 1313 Introduction to Quality Control

Total Credit Hours: 60-61

*Course has prerequisite (See course description section of catalog).

Upon completion of Advanced Electronic Imaging I, the student may continue to Advanced Electronics Imaging II or move to Advanced Press Operations I.
 ## Upon completion of Advanced Press Operations I, the student may continue to Advanced Press Operations II or move to Advanced Electronics Imaging I.

HEALTH and HUMAN PERFORMANCE

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Program Description:

The Health and Human Performance program prepares students for careers in a variety of settings including corporate, hospital-based, community, government and private enterprises. This degree track prepares a student for the American Council on Exercise Certification Exam.

Degree Awarded: Associate in Science Degree

For More Information Contact:

Science, Mathematics and Engineering:
Northeast: (918) 595-7542

General Education Requirements Credit Hours: 40

English 6 Hours

*ENGL 1113 Composition I
*ENGL 1213 Composition II

Humanities 6 Hours

See the General Education Requirements page for complete list

Mathematics 6 Hours

*MATH 1513 College Algebra
*MATH 2193 Elementary Statistics

Social Science 6 Hours

POLS 1113 American Federal Government
and select one course from the following:
HIST 1483 U.S. History 1492 to Civil War Era
HIST 1493 U.S. History Civil War Era to Present

Science 13 Hours

BIOL 1224 Introduction to Biology for Majors
*BIOL 2154 Human Physiology
*CHEM 1315 General Chemistry I

Speech 3 Hours

SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 20

Behavioral Science 6 Hours

PSYC 1113 Introduction to Psychology
SOC1 1113 Introduction to Sociology

Exercise Science Core 14 Hours

BIOL 1383 Nutrition
^PHED 2212 First Aid
PHED 2263 Principles in Health Education and Human Promotion
PHED 2653 Applied Anatomy and Kinesiology

and choose one course from the following:

PHED 1113 Personal, School, and Community Health
PHED 2603 Total Wellness
(Requirements for PHED 1113 or 2603 vary by institution. See transfer institution for program requirements.)

Total Credit Hours: 60

*Course has prerequisite (see course description section of catalog).
^ Advanced credit may be awarded for current certification. To receive an A.A. or A.S. degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

HEALTH INFORMATION TECHNOLOGY

Medical Records

Workforce Development Degree

Program Description:

This program of study prepares the student for employment in the field of health information management in a variety of health care settings including hospitals, physician's office or clinic, home health agencies, hospice, long term care facilities, rehabilitation facilities, psychiatric care settings, insurance companies, and pharmaceutical companies. Career options for the Health Information Technician include coding and reimbursement specialist; clinical data specialist (statistics, database research, and specialty registries); patient information coordinator (release of information, confidentiality, medical-legal aspects of documentation, health history management and information resources); data quality manager (quality improvement for data integrity, and quality care/service monitoring and audits); document and repository manager (retention and accessibility of health care data, and preparation and conversion to electronic health records); and health information manager (enterprise- or facility-wide line or staff manager for health information management services). This program is accredited by the Commission on Accreditation for Health Informatics and Information Management Education (CAHIIM). After graduation, students are eligible to apply to write the national qualifying examination for certification as a Registered Health Information Technician (RHIT).

Degree Awarded: Associate in Applied Science

For More Information Contact:

Allied Health Services Division: Metro: (918) 595-7002
for program application form and any specific program information.

Procedures For Application:

1. Submit completed program application form and required materials by May 1 to the Allied Health Services Division located in the Alfred M. Philips Building, Room MP458, 909 South Boston, Tulsa, OK 74119.

2. All prospective Health Information Technology students must also complete an application for enrollment to the College, submit their high school transcripts or GED scores, ACT or SAT scores and previous college transcripts to the Metro Campus Registrar at 909 South Boston, Tulsa, OK 74119. Incomplete submissions will not be considered for admission into the Health Information Technology program.

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3. Acceptance to Tulsa Community College does not guarantee admission to the Health Information Technology program.

4. Eligible applicants to be interviewed will be notified by mail for consideration for admission into the Health Information Technology program. All interviewed applicants will be notified by mail regarding their selection status.

5. In order to enroll in courses that include a clinical component and are a part of the program degree plan, students must receive clearance on a criminal background check, including the sex offender registry. Potential students need to be aware that drug testing is a requirement for participation in all clinical components.

General Education Requirements Credit Hours: 16

Remaining General Education Requirements are satisfied in Specialized Course Requirements.

Biology 4 hours

**BIOL 1314 Human Anatomy and Physiology

English 6 hours

**ENGL 1113 Composition I

and select one course from the following:

**ENGL 1213 Composition II

**ENGL 2333 Technical/Professional Writing

**ENGL 2343 Business Communication I

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 53

Allied Health 3 hours

*ALDH 1323 Medical Terminology

Computer Information Systems 3 hours

**CSYS 2073 MS Office

Health Information Technology 47 hours

**HITC 1113 Introduction to Health Information Management

**HITC 1131 Health Care Delivery, Systems and Trends

**HITC 1213 Statistics and Research Methodology

**HITC 1223 Electronic Health Record Systems

**HITC 1231 Management of Medical Document Processing

**HITC 1242 Health Information Management in Alternate Care Settings

**HITC 1333 CPT and HCPCS Coding

**HITC 1353 Legal Aspects of Health Records

**HITC 1363 ICD-9-CM Coding I and Nomenclature/Classification Systems

**HITC 1412 Practicum I

**HITC 2053 Pathophysiology and Pharmacology I

**HITC 2113 Management Techniques for Health Information Services

**HITC 2121 Physician Billing and Reimbursement

**HITC 2133 Reimbursement Systems and Revenue Cycle Management

**HITC 2153 Pathophysiology and Pharmacology II

**HITC 2213 Quality, Utilization and Risk Assessment

**HITC 2342 Coding and Reimbursement Internship

**HITC 2403 ICD-9-CM Coding II

**HITC 2412 Practicum II

Total Credit Hours: 69

*Course has prerequisite (See course description of catalog).

**Course must be completed with a "C" or above.

HEALTH INFORMATION TECHNOLOGY

Coding and Reimbursement Specialist

Workforce Development Certificate

Program Description:

This option is designed to prepare the student with the necessary skills to be employed as a coding and reimbursement specialist in a variety of health care settings including hospitals, physicians office or clinic, home health agencies, hospice, long-term care facilities, rehabilitation facilities, insurance companies, and pharmaceutical companies. ICD-9-CM and CPT coding guidelines will be examined in detail, as will insurance and reimbursement issues such as claims processing, case mix index, and reimbursement systems, (i.e., diagnosis related groups (DRGs), ambulatory patient classification (APCs), resource based relative value system (RBRVS), resource utilization groups (RUGs), case mix groups (CMG) and home health resource groups (HHRG). Students successfully completing the certificate option may apply to sit for a national examination to become a certified coding associate (CCA). After 2-3 years of recommended coding experience, the graduate may sit for the national certified coding specialist (hospital based, CCS, physician based, CCS-P) examination. The Coding and Reimbursement Specialist Certificate program has been approved by the American Health Information Management Association (AHIMA).

Degree Awarded: Certificate of Achievement

For More Information Contact:

Allied Health Services Division: Metro: (918) 595-7002, for program application form and any specific program information.

Procedures For Application:

1. Submit completed program application form and required materials by May 1 to the Allied Health Services Division located in the Alfred M. Philips Building, Room MP458, 909 South Boston, Tulsa, OK 74119.
2. All prospective Coding and Reimbursement Specialist Certificate students must also complete an application for enrollment to the College, submit their high school transcripts, or GED scores; ACT or SAT scores and previous college transcripts to the Metro Campus Registrar at 909 South Boston, Tulsa, OK 74119. Incomplete submissions will not be considered for admission into the Coding and Reimbursement Specialist Certificate program.
3. Acceptance to Tulsa Community College does not guarantee admission to the Health Information Technology Coding and Reimbursement Specialist Certificate program.
4. Eligible applicants to be interviewed for consideration for admission into the Health Information Technology - Coding and Reimbursement Specialist Certificate program will be notified by mail. All interviewed applicants will be notified by mail regarding their selection status.

5. In order to enroll in courses that include a clinical component and are a part of the program degree plan, students must receive clearance on a criminal background check, including the sex offender registry. Potential students need to be aware that drug testing is a requirement for participation in all clinical components.

General Education Requirements Credit Hours: 4

Biology 4 hours

**BIOL 1314 Human Anatomy and Physiology

Specialized Course Requirements Credit Hours: 36

Allied Health 3 hours

**ALDH 1323 Medical Terminology

Computer Information Systems 3 hours

**CSYS 2073 MS Office

Health Information Technology 30 hours

**HITC 1113 Introduction to Health Information Management

**HITC 1131 Health Care Delivery, Systems and Trends

**HITC 1223 Electronic Health Record Systems

**HITC 1242 Health Information Management in Alternate Care Settings

**HITC 1333 CPT and HCPCS Coding

**HITC 1363 ICD-9-CM Coding I and Nomenclature/Classification Systems

**HITC 2053 Pathophysiology and Pharmacology I

**HITC 2133 Reimbursement Systems and Revenue Cycle Management

**HITC 2121 Physician Billing and Reimbursements

**HITC 2153 Pathophysiology and Pharmacology II

**HITC 2342 Coding and Reimbursement Internship

**HITC 2403 ICD-9-CM Coding II

Total Credit Hours: 40

*Course has a prerequisite (See course description section of catalog).

**Course must be completed with a "C" or above.

HISTORY

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Program Description:

To function in a particular society or in an international setting, it is crucial to gain an accurate historical understanding of a present situation or past event through the study of history. The study of history involves verifying events and ideas, exploring the causes and effects of events and ideas, reconciling various interpretations of them, and making informed judgments about how to utilize differing views to

assert a conclusion. In addition, it is essential that the historical reasoning process be expressed in a clear and effective style of written communication.

Degree Awarded: Associate in Arts

General Education Requirements Credit Hours: 37

See the General Education Requirements for the complete list.

Specialized Course Requirements Credit Hours: 23-24

History 12 hours

HIST 1033 History of Oklahoma

HIST 1044 Oklahoma History plus Research

HIST 1053 Ancient and Medieval Western Civilization

HIST 1063 Modern Western Civilization

HIST 1073 Twentieth Century World History

HIST 1083 Survey of English History to 1688

HIST 1093 Survey of English History 1688 to Present

HIST 1483 U.S. History 1492 to Civil War Era
or

HIST 1493 U.S. History Civil War Era to Present

HIST 2023 Modern Eastern Civilization

HIST 2043 Contemporary Affairs

HIST 2163 Introduction to the History and Philosophy of Science

HIST 2223 Modern Latin American History

HIST 2333 African-American History

HIST 2343 Native American History

HIST 2533 Survey of the American Frontier

Recommended Electives 11-12 hours

ECON 2013 Principles of Macroeconomics

*ENGL 2413 Introduction to Literature

*ENGL 2543 British Literature I

*ENGL 2653 British Literature II

*ENGL 2773 American Literature I

*ENGL 2883 American Literature II

GEOG 1014 Geography (Physical)

PHIL 1113 Introduction to Philosophy

PHIL 2163 Introduction to the History and Philosophy of Science

POLS 1023 Introduction to State and Local Government

*POLS 2013 Introduction to Comparative Governments

*POLS 2023 Introduction to American Politics

*POLS 2033 Introduction to Political Thought

*POLS 2133 Introduction to Public Administration

*POLS 2153 Introduction to the Constitution and Judicial Process

*POLS 2203 Introduction to International Relations

PSYC 1113 Introduction to Psychology

*PSYC 2053 Social Psychology

RELG 2233 Religion in America

SOCI 1113 Introduction to Sociology

SOCI 2123 Introduction to Cultural Anthropology

Total Credit Hours: 60-61

*Course has prerequisite (See course description section of catalog).

Proficiency in a foreign language is recommended.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

Physical education activity courses do not count toward the associate degree requirements in this curriculum.

HORTICULTURE TECHNOLOGY

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Program Description:

Horticulture Technology is for students who want to make an enduring difference in the environment by working with plants. Opportunities abound in landscape architecture, public horticulture, turf management and numerous related fields.

Degree Awarded: Associate in Science

General Education Requirements Credit Hours: 45

Biology 8 hours

*BIOL 1224 Introduction to Biology for Majors

*BIOL 1404 General Botany

Chemistry 10 hours

*CHEM 1315 General Chemistry I

*CHEM 1415 General Chemistry II

English 6 hours

* ENGL 1113 Composition I

* ENGL 1213 Composition II

Humanities 6 hours

See the General Education Requirements page for complete list.

Mathematics 3 hours

* MATH 1513 College Algebra

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 18

Horticulture 18 hours

HORT 1303 Principles of Horticulture Technology

HORT 1313 Ornamental Horticulture

*HORT 1343 Plant Identification

HORT 2353 Lawn and Turf Care

HORT 2413 Nursery and Greenhouse Management

HORT 2483 Interior Plants

Total Credit Hours: 63

*Course has a prerequisite (See course description section of catalog).

To receive an A.A. or A.S. degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

HORTICULTURE TECHNOLOGY

Workforce Development Degree

Program Description:

This multi-option program is designed to develop the necessary skills for graduates to function in such jobs as foreman, groundskeeper, horticulture technician, interiorscaper, floral designer, landscaper, management trainee, sales person with greenhouses, garden centers, landscaping operation, parks, and private industry.

Areas of Emphasis:

- 1) Floral Design and Interiorscape
- 2) General Horticulture
- 3) Golf and Sports Turf
- 4) Greenhouse and Nursery Production
- 5) Landscape Design and Construction
- 6) Landscape Maintenance

Degree Awarded: Associate in Applied Science

For More Information Contact:

Green Country Horticulture Center Northeast: (918) 595-8435

General Education Requirements Credit Hours: 19

Biology 4 hours

*BIOL 1404 General Botany

Computer Information Systems 3 hours

CSCI 1203 Computer Concepts and Applications

English 6 hours

* ENGL 1113 Composition I

and select one course from the following:

* ENGL 1213 Composition II

* ENGL 2333 Technical/Professional Writing

* ENGL 2343 Business Communication I

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 41

Horticulture Technology Core Courses 23 hours

HORT 1233 Introduction to Irrigation

HORT 1303 Principles of Horticulture Technology

HORT 1313 Ornamental Horticulture

*HORT 1343 Plant Identification

*HORT 1353 Fertilizers and Soils
 *HORT 1363 Plant Diseases and Pests
 HORT 2251 Horticulture Internship I Project
 HORT 2401 Pest Control Certification and Licensing
 *HORT 2493 Horticulture Management Principles

Select 12 credit hours from the following areas of emphasis:

1) Floral Design and Interiorscape Emphasis

*HORT 2363 Landscape Planning and Design I
 HORT 2413 Nursery and Greenhouse Management
 HORT 2433 Floral Design
 HORT 2483 Interior Plants

2) General Horticulture Emphasis

HORT 1413 Equipment Safety and Maintenance
 HORT 2353 Lawn and Turf Care
 *HORT 2363 Landscape Planning and Design I
 HORT 2413 Nursery and Greenhouse Management

3) Golf and Sports Turf Emphasis

HORT 1413 Equipment Safety and Maintenance
 HORT 2224 Golf and Sports Turf
 HORT 2353 Lawn and Turf Care
 *HORT 2363 Landscape Planning and Design I

4) Greenhouse and Nursery Production Emphasis

HORT 1413 Equipment Safety and Maintenance
 HORT 2413 Nursery and Greenhouse Management
 HORT 2433 Floral Design
 HORT 2483 Interior Plants

5) Landscape Design and Construction Emphasis

HORT 1091 Landscape Construction
 HORT 1413 Equipment Safety and Maintenance
 *HORT 2353 Lawn and Turf Care
 *HORT 2363 Landscape Planning and Design I
 *HORT 2513 Landscape Planning and Design II
 *SURV 1324 Surveying I

6) Landscape Maintenance Emphasis

HORT 1413 Equipment Safety and Maintenance
 *HORT 2353 Lawn and Turf Care
 *HORT 2363 Landscape Planning and Design I
 HORT 2423 Arboriculture Practices

Controlled Electives 6 hours

Select any Horticulture Classes

Total Credit Hours: 60-61

*Course has a prerequisite (See course description section of catalog).

NOTE: Students who complete all the courses in any of the six areas of emphasis may apply for an institutional certificate of completion from the Science and Mathematics division at Northeast Campus.

HORTICULTURE TECHNOLOGY
 Workforce Development Certificate

Program Description:

This curriculum serves as an overview of Horticulture. Designed primarily to allow individuals to master most home horticulture challenges.

Degree Awarded: Certificate of Achievement

Biology 4 hours

*BIOL 1404 General Botany

Horticulture Technology 23 hours

HORT 1233 Introduction to Irrigation
 HORT 1303 Principles of Horticulture Technology
 *HORT 1313 Ornamental Horticulture
 *HORT 1343 Plant Identification
 *HORT 1353 Fertilizers and Soils
 *HORT 1363 Plant Diseases and Pests
 HORT 2251 Horticulture Internship I Project
 HORT 2401 Pest Control Certification and Licensing
 *HORT 2493 Horticulture Management Principles

Select 6 credit hours from the following areas of emphasis:

Floral Design and Interiorscape Emphasis

*HORT 2363 Landscape Planning and Design I
 HORT 2413 Nursery and Greenhouse Management
 HORT 2433 Floral Design
 HORT 2483 Interior Plants
 HORT 2493 Horticulture Management Principles

General Horticulture Emphasis

HORT 1413 Equipment Safety and Maintenance
 HORT 2353 Lawn and Turf Care
 *HORT 2363 Landscape Planning and Design I
 HORT 2413 Nursery and Greenhouse Management

Golf and Sports Turf Emphasis

HORT 1413 Equipment Safety and Maintenance
 HORT 2224 Golf and Sports Turf
 HORT 2353 Lawn and Turf Care
 *HORT 2363 Landscape Planning and Design I

Greenhouse and Nursery Production Emphasis

HORT 1413 Equipment Safety and Maintenance
 HORT 2413 Nursery and Greenhouse Management
 HORT 2433 Floral Design
 HORT 2483 Interior Plants
 HORT 2493 Horticulture Management Principles

Landscape Design and Construction Emphasis

HORT 1091 Landscape Construction
 HORT 1413 Equipment Safety and Maintenance
 *HORT 2353 Lawn and Turf Care
 *HORT 2363 Landscape Planning and Design I
 *HORT 2513 Landscape Planning and Design II
 *SURV 1324 Surveying I

Continued >>

Landscape Maintenance Emphasis

HORT 1413 Equipment Safety and Maintenance
 *HORT 2353 Lawn and Turf Care
 *HORT 2363 Landscape Planning and Design I
 HORT 2423 Arboriculture Practices

Total Credit Hours: 33

*Course has a prerequisite (See course description section of catalog).
NOTE: Students who complete all the courses in any of the six areas of emphasis may apply for an institutional certificate of completion from the Science, Mathematics and Engineering division at Northeast Campus.

HORTICULTURE TECHNOLOGY

Interior Plant Care Specialist Option
 Workforce Development Certificate

Program Description:

This program is designed to develop the necessary skills for graduates to function as an assistant to an Interior Plant Technician.

Computer Information Systems 2 hours

CSCI 1011 Introduction to Microcomputers
 *CSCI 1161 Introduction to Internet

Horticulture Technology 8 hours

HORT 1031 Therapeutic Horticulture
 HORT 1041 Bonsai
 HORT 1081 Small Greenhouses
 HORT 1221 Principles of Floral Arranging
 HORT 1241 Cacti and Kin/Orchids and Others
 HORT 1261 Tropical Plant Care
 HORT 2251 Horticulture Internship I Project
 HORT 2401 Pest Control Certification and Licensing

Total Credit Hours: 10

*Course has a prerequisite (See course description section of catalog).

HORTICULTURE TECHNOLOGY

Landscape Specialist Option
 Workforce Development Certificate

Program Description:

This program is designed to develop the necessary skills for graduates to function as a nursery retail assistant or assistant to a Landscape Technician.

Degree Awarded: Certificate of Achievement
Computer Information Systems 1 hour

*CSCI 1161 Introduction to Internet

Horticulture Technology 9 hours

HORT 1021 Lawn Sprinkler System and Drainage
 HORT 1051 Nightscaping
 HORT 1061 Water Gardening
 HORT 1071 Annual and Perennial Culture

HORT 1091 Home Landscape Construction
 HORT 1201 Habitat Gardening
 HORT 1381 Home Landscape Design
 HORT 2251 Horticulture Internship I Project
 HORT 2401 Pest Control Certification and Licensing

Total Credit Hours: 10

*Course has a prerequisite (See course description section of catalog)

HOSPITALITY MANAGEMENT

Casino Gaming Management, Event Management, Event Management Professional, Hotel Management and Restaurant Management Options
 Workforce Development Certificate

Program Description:

This program is designed for individuals whose objective is to become qualified for employment in the hospitality industry.

Degree Awarded: Certificate of Achievement
For More Information Contact:

Business and Information Technology Division:
 West (918) 595-8033

Core Business Courses 12 hours
Business 9 hours

BUSN 1153 Introduction to Hospitality Operations - Hotels, Restaurants and Tourism
 BUSN 2813 Supervision & Leadership - Hospitality Industry
 BUSN 2403 Guest Relations and Customer Service

Computer Information Systems 3 hours

CSCI 1203 Computer Concepts and Applications

Select from one of the following five (5) certificate options.

- 1) Casino Gaming Management
- 2) Event Management
- 3) Event Management Professional
- 4) Hotel Management
- 5) Restaurant Management

1) Casino Gaming Management Option 6 hours

GMOP 1113 Casino Gaming Operations
 *GMOP 1213 Advanced Casino Gaming Operations

2) Event Management Option 6 hours

EVNT 1113 Meetings and Conventions Management
 *EVNT 2113 Advanced Meetings and Conventions Management

3) Event Management Professional Option 12 hours

EVNT 1113 Meetings and Conventions Management
 *EVNT 2113 Advanced Meetings and Conventions Management
 EVNT 2213 Special Events Management
 *EVNT 2813 Event Management Practicum

4) Hotel Management Option 6 hours

BUSN 2813 Legal Issues in Hospitality Management
 *CSYS 2553 Information Technology Services, Hospitality and Gaming Emphasis

5) Restaurant Management Option 6 hours

HFSV 1413 Labor and Food Cost Management
 HFSV 2021 Quality Control Procedures
 HFSV 2312 Off-Premise Service Management

Total Credit Hours: 18-24

*Course has prerequisite (See course description section of catalog).

HUMAN RESOURCES**Workforce Development Degree****Program Description:**

This program is designed to prepare students for a career in the human resources profession. Due to the fact that nearly all corporations have a human resources department, solid growth in this profession is predicted over the next ten years. This program is designed for both individuals starting out in human resources and those currently employed in human resources. Students gain a comprehensive knowledge in human resources along with the people skills greatly desired in today's business world.

Degree Awarded: Associate in Applied Science**For More Information Contact:**

Business and Information Technology Division:
 Southeast: (918) 595-7639
 Counseling Center: Southeast: (918)595-7651

General Education Requirements Credit Hours: 18**English 6 hours**

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2343 Business Communication I

Psychology 6 hours

PSYC 1113 Introduction to Psychology

*PSYC 1313 Human Relations

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 42**Accounting 6 hours**

ACCT 2213 Financial Accounting

*ACC 2223 Managerial Accounting

Business 6 hours

BUSN 1053 Introduction to Business

and select 3 credit hours from the following:

BUSN 2363 Supervisory Management
 MGMT 2363 Principles of Management

Computer Information Systems 3 hours

**Select 3 hours from any Computer Information Systems (CSYS/CSCI) courses.

Human Resources 24 hours

HRES 1313 Principles of Human Resources

*HRES 1333 Benefits Management

*HRES 1343 Compensation Management

*HRES 2313 Human Resource Law I

*HRES 2323 Employment and Evaluation Techniques

*HRES 2333 Employee and Labor Relations

*HRES 2343 Training and Development

*HRES 2353 Human Resource Law II

Controlled Electives 3 hours

*BUSN/PSYC 2633 Industrial and Organizational Psychology

*CSCI 2033 Excel

*ECON 2123 International Economic Issues

HSVC 1213 Basic Counseling Skills

*MGMT 2103 Workforce Development Internship

SPCH 1013 Fundamentals of Listening

SPCH 1113 Speech Communication I

SPCH 2053 Intercultural Communication

SPCH 2103 Interpersonal Communication

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).

**Spreadsheet experience is highly recommended.

NOTE: A student may substitute PHR (Professional in Human Resources) or SPHR (Senior Professional in Human Resources) certification for the course HRES 1313 Principles of Human Resources, if the student is current in the PHR or SPHR period of certification. (PHR or SPHR exams will not substitute for any other HRES courses).

NOTE: MGMT 2103 Workforce Development Internship is highly recommended for those with no experience in a Human Resources Department.

HUMAN RESOURCES**Workforce Development Certificate****Program Description:**

This program is designed to prepare students for a career in the human resources profession. Due to the solid growth in the human resources profession, this program is designed for both individuals wanting to enter the human resources profession, and those currently employed in human resources who desire advancement.

Degree Awarded: Certificate of Achievement**Computer Information Systems 3 hours**

** Select 3 credit hours from any of the Computer Information Systems courses.

Human Resources 24 hours

HRES 1313 Principles of Human Resources

*HRES 1333 Benefits Management

- *HRES 1343 Compensation Management
- *HRES 2313 Human Resource Law I
- *HRES 2323 Employment and Evaluation Techniques
- *HRES 2333 Employee and Labor Relations
- *HRES 2343 Training and Development
- *HRES 2353 Human Resource Law II

Controlled Electives 3 hours

- *BUSN/PSYC 2633 Industrial and Organizational Psychology
- *ECON 2123 International Economic Issues
- *ENGL 2343 Business Communication I
- *HSVC 1213 Basic Counseling Skills
- *CSCI 2033 Excel
- *MGMT 2103 Workforce Development Internship
- PHED 2212 First Aid
- SPCH 1013 Fundamentals of Listening
- SPCH 1113 Speech Communication I
- SPCH 2053 Intercultural Communication
- SPCH 2103 Interpersonal Communication

Total Credit Hours: 30

*Course has prerequisite (See course description section of catalog).

**Spreadsheet experience is highly recommended.

NOTE: A student may substitute PHR (Professional in Human Resources) or SPHR (Senior Professional in Human Resources) certification for the course HRES 1313 Principles of Human Resources, if the student is current in the PHR or SPHR period of certification. (PHR or SPHR exams will not substitute for any other HRES courses).

NOTE: MGMT 2103 Workforce Development Internship is highly recommended for those with no employment in a Human Resources Department.

HUMAN SERVICES

Program Description:

Human service workers and assistants provide direct and indirect client services and serve to improve and enhance the lives of others in a variety of roles within social and human service delivery settings. Job titles vary: case management aide, social work assistant, alcohol or drug abuse counselor, mental health aide, community outreach worker, life skill counselor, crisis intervention counselor, intake worker, gerontology aide, family support worker, habilitation aide, residential counselor, and juvenile specialist. The U.S. Department of Labor states, "Human services worker and assistant occupations are projected to be among the fastest growing. Job opportunities should be excellent [for qualified applicants]"... The Human Services program at Tulsa Community College is designed to provide education and training for individuals seeking careers in a wide range of helping profession settings. Students gain basic knowledge, skills, and values necessary to communicate and interact with persons experiencing personal and social problems in order to assess needs and provide appropriate intervention. Students have many opportunities to gain hands-on experience with community agencies and populations. In addition to general education requirements, all Human Service students complete core coursework in:

- Principles of Human Services
- Basic Counseling Skills
- Lifespan Development
- Human Services Applications/Case Management
- Internship

For More Information Contact:

Liberal Arts/Community Services Division: Northeast: (918) 595-7494

University Transfer (2 + 2) Options

Degree options are available to provide seamless transfer to four-year degrees in Child and Family Services, Therapeutic Recreation, Pre-Social Work, Human Development, Family Studies and Human Relations. Articulation agreements between Tulsa Community College and the designated universities provide for a seamless transition toward a baccalaureate or advanced degree in a human services-related field. Students complete general education requirements for the bachelors degree and also complete core courses within the Human Services program, which complement upper division coursework within the major field at the four-year university.

Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960 to select courses that will meet both the associate and baccalaureate degree programs.

General Information

The Human Services coursework is available in a variety of schedule alternatives, including traditional 16-week classes day and evening. Courses are also aligned with the FAST-TRACK program to allow degree completion to students desiring an accelerated schedule. The Human Services Institute offers special focus courses providing in-depth information on current issues in the human services field for students and community professionals in short-course formats. Students are strongly encouraged to enroll in core courses within the Human Services program early in their academic career along with general education requirements. Faculty advisement is available in this program. For more career and occupational information in the human services field, visit the following Web sites:

<http://bls.gov> and <http://stats.bls.gov/oco>

HUMAN SERVICES

Child and Family Services Option

University Transfer Degree

Program Description:

This option is designed for individuals seeking careers in the helping professions providing services to children, youth, elderly, and families in a variety of community based settings. Students gain 24 credit hours of specialization in Human Services while earning the associate degree.

Degree Awarded: Associate in Science

Semester plan available through faculty advisement.

General Education Requirements Credit Hours: 37

English 6 hours

*ENGL 1113 Composition I

*ENGL 1213 Composition II

Geography 3 hours

GEOG 1043 Introduction to Cultural Geography

Humanities 3 hours

HUMN 2113 Humanities I

HUMN 2223 Humanities II

Mathematics 6 hours

*MATH 1513 College Algebra

*MATH 2193 Elementary Statistics

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Science 7 hours

BIOL 1114 General Biology for Non-Majors

BIOL 1383 Nutrition

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 23-24**^Human Services 18 hours**

HSVC 1113 Principles of Human Services

HSVC 1213 Basic Counseling Skills

HSVC 2023 Lifespan Development

*HSVC 2053 Human Services Applications/Case Management

*HSVC 2113 Internship

*HSVC 2203 Parent-Child Relations

Controlled Electives 5-6 hours**

^HSVC 1313 Chemical Dependency and Treatment

^HSVC 2003 Dynamics of Family Relationship

^HSVC 2073 Issues in Human Services

or

^HSVC 2173 Service Learning in Human Services

PHED 2212 First Aid

PHED 2533 Introduction to Therapeutic Recreation

PSYC 2133 / SOCI 1133 Crisis Intervention and Experience

PSYC 2053 Social Psychology

Total Credit Hours: 60-61

*Course has prerequisite (See course description section of catalog).

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. ^Students must earn a "C" or better in HSVC courses in order to progress to advanced courses in the program, or gain permission of instructor or associate dean.

****Students should select courses that will transfer to the college/university they plan to attend. See the University Transfer Information above.****HUMAN SERVICES**

Human Development Option

University Transfer Degree

Program Description:

This option is designed for individuals seeking a career in the helping professions with an emphasis in applying the principles and philosophy of human services to each area of human growth and development in a variety of human service delivery settings.

Degree Awarded: Associate in Science

Semester plan available through faculty advisement.

General Education Requirements Credit Hours 37**English 6 hours**

*ENGL 1113 Composition I

*ENGL 1213 Composition II

Humanities 9 hours

See the General Education Requirements page for complete list

Mathematics 3 hours**Select one course from the following:**

*MATH 1473 Mathematics for Critical Thinking

*MATH 1513 College Algebra

Science 7 hours

BIOL 1114 General Biology for Non-Majors

BIOL 1383 Nutrition

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Psychology/Sociology 3 hours**Select one course from the following:**

PSYC 1113 Introduction to Psychology

SOCI 1113 Introduction to Sociology

Speech 3 hours**Select one course from the following:**

SPCH 1113 Speech Communication I

SPCH 2103 Interpersonal Communication

Specialized Course Requirements Credit Hours: 27**^Human Services** 21 hours**

HSVC 1113 Principles of Human Services

HSVC 1213 Basic Counseling Skills

HSVC 2023 Lifespan Development

*HSVC 2053 Human Services Applications/Case Management

*HSVC 2073 Issues in Human Services

*HSVC 2113 Internship

and select one of the following:

*HSVC 2203 Parent-Child Relations

HSVC 2003 Dynamics of Family Relations

Recommended Electives 2-3 hours**

^HSVC 1313 Chemical Dependency and Treatment

^HSVC 2073 Issues in Human Services

^*HSVC 2613 Gerontology in Human Services

^HSVC Any Human Services Course

*PSYC 2133/SOCI 1133 Crisis Intervention and Experience

*SOCI 2013 Marriage and Family

*SOCI 2113 Social Problems in America

*SOCI 2143 Minorities in America

Total Credit Hours: 60-61

*Course has prerequisite (See course description section of catalog).

^Students must earn a "C" or better in HSVC courses in order to progress to advanced courses in the program, or gain permission of instructor or associate dean.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

****Students should select courses that will transfer to the college/university they plan to attend. See the University Transfer Information above.**

HUMAN SERVICES
Pre-Social Work Option
University Transfer Degree

Program Description:

This option is designed for individuals seeking careers in helping professions providing services to children, youth, elderly, and families in a variety of community-based settings with an academic goal of earning a bachelor's or master's degree in generalist social work practice. Articulation agreements between universities provide a seamless transition toward a baccalaureate degree or master's degree, which can be earned in five years in the greater Tulsa area. Students gain 21 credit hours of specialization in Human Services while earning the associate degree.

Degree Awarded: Associate in Science

General Education Requirements Credit Hours 37

English 6 hours

- *ENGL 1113 Composition I
- *ENGL 1213 Composition II

Humanities 6 hours

- GEOG 1043 Introduction to Cultural Geography
- and select one course from the following:**
- HUMN 2113 Humanities I
- HUMN 2223 Humanities II

Mathematics 3 hours

- Select one course from the following:**
- *MATH 1513 College Algebra
- *MATH 1473 Mathematics for Critical Thinking

Psychology 3 hours

- PSYC 1113 Introduction to Psychology

Science 7 hours

- BIOL 1114 General Biology for Non-Majors
- BIOL 1383 Nutrition

Social Science 6 hours

- POLS 1113 American Federal Government
- and select one course from the following:**
- HIST 1483 U.S. History 1492 to Civil War Era
- HIST 1493 U.S. History Civil War Era to Present

Sociology 3 hours

- SOCI 1113 Introduction to Sociology

Speech 3 hours

- SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 27

Economics 3 hours

- ECON 2013 Principles of Macroeconomics

^Human Services 15 hours

- HSVC 1113 Principles of Human Services
- HSVC 1213 Basic Counseling Skills
- HSVC 2023 Lifespan Development
- *HSVC 2053 Human Services Applications/Case Management

*HSVC 2113 Internship

Controlled Electives 9 hours

Select two courses from the following:

- ^HSVC 1313 Chemical Dependency and Treatment
- ^*HSVC 2073 Issues in Human Services
- *PSYC 2133/SOCI 1133 Crisis Intervention and Experience

and select one course from the following:

- *MATH 2193 Elementary Statistics
- *PSYC 2223/SOCI 2223 Behavioral Statistics

Other HSVC electives may be allowed. See HSVC faculty advisors.

Total Credit Hours: 64

*Course has prerequisite (See course description section of catalog). To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.
^Students must earn a "C" or better in HSVC courses in order to progress to advanced courses in the program, or gain permission of instructor or associate dean.

HUMAN SERVICES
Therapeutic Recreation Option
University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer to and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree program.

Program Description:

This program is designed for individuals who want a professional career providing Therapeutic Recreation services within hospitals, rehabilitation centers, long-term care facilities and the community.

Degree Awarded: Associate in Science

Semester plan available through faculty advisement.

General Education Requirements Credit hours: 34

English 6 hours

- *ENGL 1113 Composition I
- *ENGL 1213 Composition II

Humanities 3 hours

Select one course from the following:

- HUMN 2113 Humanities I
- HUMN 2223 Humanities II

Mathematics 6 hours

- *MATH 1513 College Algebra
- *MATH 2193 Elementary Statistics

Philosophy 3 hours

- PHIL 2153 Medical Ethics

Psychology 3 hours

- PSYC 1113 Introduction to Psychology

Science 7 hours

BIOL 1114 General Biology for Non-Majors
BIOL 1383 Nutrition

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
HIST 1483 U.S. History 1492 to Civil War Era
HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 27**^Human Services 12 hours**

HSVC 1213 Basic Counseling Skills
HSVC 2023 Lifespan Development
*HSVC 2053 Human Services Applications/Case Management
** *HSVC 2113 Internship

Physical Education 8 hours

PHED 2212 First Aid
PHED 2513/HSVC 2413 Introduction to Leisure Studies
PHED 2533/HSVC 2433 Introduction to Therapeutic Recreation

Biology 4 hours

BIOL 1314 Human Anatomy and Physiology

Controlled Electives 3 hours

SOCI 2143 Minorities in America
*HSVC 2073 Issues in Human Services

Additional Recommended Courses

(Not required for degree)

^HSVC 1113 Principles of Human Services
^HSVC 1313 Chemical Dependency and Treatment
^HSVC 1413 Introduction to Developmental Disabilities
^HSVC 1423 Models for Supporting Persons with
Developmental Disabilities
^*HSVC 2203 Parent-Child Relations
^*HSVC 2073 Issues in Human Services
^*HSVC 2613 Gerontology in Human Services
^PHED/HSVC 2342 Recreation Therapy/ Rope Course Training
^PHED/HSVC 2363 Recreation Therapy/ Outdoor Adventure
ALDH 1323 Medical Terminology

Total Credit Hours: 61

*Course has prerequisite (See course description section of catalog)

**The internship should be completed in a hospital setting under the supervision of a CTRS. Hours completed as part of your TCC Internship will go toward documentation of 500 hours of paid or volunteer experience within the recreation field required prior to enrolling in your senior internship experience (12 credits). See the Liberal Arts/Community Services Division Office at Northeast Campus for more information.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

^Students must earn a "C" or better in HSVC courses in order to progress to advanced courses in the program, or gain permission of instructor or associate dean.

HUMAN SERVICES**Workforce Development Programs****Degrees awarded: Associate in Applied Science or Certificate of Achievement**

Human Services workers and assistants provide direct and indirect client services and serve to improve and enhance the lives of others in a variety of roles within social and human service delivery settings. Job titles vary: case management aide, social work assistant, alcohol or drug abuse counselor, mental health aide, community outreach worker, life skill counselor, crisis intervention counselor, intake worker, gerontology aide, family support worker, habilitation aide, residential counselor, and juvenile specialist. The U.S. Department of Labor states: Human services worker and assistant occupations are projected to be among the fastest growing. Job opportunities should be excellent [for qualified applicants]... The Human Services program at Tulsa Community College is designed to provide education and training for individuals seeking careers in a wide range of helping profession settings. Students gain basic knowledge, skills, and values necessary to communicate and interact with persons experiencing personal and social problems in order to assess needs and provide appropriate intervention. Students have many opportunities to gain hands-on experience with community agencies and populations. In addition to general education requirements, all Human Service students complete core coursework in:

- Principles of Human Services
- Basic Counseling Skills
- Chemical Dependency and Treatment
- Lifespan Development
- Human Services Applications/Case Management
- Issues in Human Services
- Crisis Intervention
- Internship

Additional career and occupational information in the human services field can be found at:

<http://bls.gov> <http://stats.bls.gov/oco>

HUMAN SERVICES**Workforce Development Degree****Degree Awarded: Associate in Applied Science**

Semester plan available through faculty advisement

General Education Requirements Credit Hours: 24**English 6 hours**

*ENGL 1113 Composition I
and select one course from the following:
*ENGL 1213 Composition II
*ENGL 2333 Technical/Professional Writing
*ENGL 2343 Business Communication I

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Continued >>

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Sociology 6 hours

*SOCL 1133 Crisis Intervention and Experience
and select one course from the following:
 SOCI 1113 Introduction to Sociology
 SOCI 2113 Social Problems in America

Speech 3 hours

SPCH 1013 Fundamentals of Listening
 SPCH 1113 Speech Communication I
 SPCH 2103 Interpersonal Communication

Specialized Course Requirements Credit Hours: 36

^Human Services 33 hours

HSVC 1113 Principles of Human Services
 HSVC 1213 Basic Counseling Skills
 HSVC 1313 Chemical Dependency and Treatment
 HSVC 2023 Lifespan Development
 *HSVC 2053 Human Services Applications/Case Management
 *HSVC 2073 Issues in Human Services
 *HSVC 2113 Internship
 *HSVC 2613 Gerontology in Human Services

and select one course from the following:

HSVC 1413 Introduction to Developmental Disabilities
 HSVC 1423 Models for Supporting Persons with Developmental Disabilities

and select one course from the following:

HSVC 2003 Dynamics of Family Relationships
 *HSVC 2203 Parent-Child Relations

and select one course from the following:

*HSVC 2513 Management of Community Programs
 *HSVC 1523 Volunteer Management in Human Services

Computer Information Systems 3 hours

Select three credit hours from any of the Computer Information Systems courses.

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).

^ Students must earn a grade of "C" or better in HSVC courses in order to progress to advanced courses in the program, or gain permission of instruction or associate dean.

HUMAN SERVICES

Chemical & Alcohol Dependency
 Counseling Option

Workforce Development Degree

Program Description:

Graduates from this program should meet the qualifications in preparation for certification for an Alcohol/Drug Counselor in Training with the Oklahoma Drug and Alcohol Professional Counselor Certification Board. Specialized course requirements (12 credit hours) include:

- Dynamics of Family Relationships
- Introduction to Group Dynamics
- CADC Practicum

Degree Awarded: Associate in Applied Science

Semester plan available through faculty advisement

General Education Requirements Credit Hours: 24

English 6 hours

*ENGL 1113 Composition I
and select one course from the following:
 *ENGL 1213 Composition II
 *ENGL 2333 Technical/Professional Writing
 *ENGL 2343 Business Communication I

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Sociology 6 hours

*SOCL 1133 Crisis Intervention and Experience
and select one course from the following:
 SOCI 1113 Introduction to Sociology
 SOCI 2113 Social Problems in America

Speech 3 hours

SPCH 1013 Fundamentals of Listening
 SPCH 1113 Speech Communication I
 SPCH 2103 Interpersonal Communication

Specialized Course Requirements Credit Hours: 36

^Human Services 30 hours

HSVC 1113 Principles of Human Services
 HSVC 1213 Basic Counseling Skills
 HSVC 1313 Chemical Dependency and Treatment
 HSVC 2003 Dynamics of Family Relationships
 HSVC 2023 Lifespan Development
 *HSVC 2213 Introduction to Group Dynamics
 *HSVC 2053 Human Services Applications/Case Management
 *HSVC 2073 Issues in Human Services
 *HSVC 2103 Practicum I
 *HSVC 2113 Internship

Computer Information Systems 3 hours

Select three credit hours from any of the Computer Information Systems (CSYS/CSCI) courses.

Controlled Electives 3 hours

Foreign Languages – Any Course
 ^Human Services – Any Courses
 INED 1363 American Sign Language I
 CRIM 2103 Criminal Evidence
 CRIM 2123 Criminal Law I
 *PSYC 2053 Social Psychology
 *PSYC 2423 Introduction to Abnormal Psychology
 *SOCI 2053 Social Psychology
 *SOCI 2133 Introduction to Deviant Behavior
 *SOCI 2143 Minorities in America
 *SOCI 2243 Introduction to Social Work

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).
 ^ Students must earn a grade of "C" or better in HSVC courses in order to progress to advanced courses in the program, or gain permission of instructor or associate dean.

HUMAN SERVICES
**Community Services Management Option
 Workforce Development Degree**
Program Description:

Students in this option gain learning experiences that focus on the knowledge and skills necessary to manage, operate, and deliver services in community-based agencies. Graduates will be prepared for entry-level management positions in non-profit and other human service agencies as volunteer coordinator, program coordinator, site coordinator, residential manager, advocacy or social policy liaison, or board member, as well as gaining insights to enhance performance in any position within an agency. Specialized course requirements (12-15 credit hours) include:

- Management of Community Programs
- Volunteer Management in Human Services
- Supervisory Management or Management Essentials

Degree Awarded: Associate in Applied Science

Semester plan available through faculty advisement

General Education Requirements Credit Hours: 27**English 6 hours**

*ENGL 1113 Composition I

and select one course from the following:

- *ENGL 1213 Composition II
- *ENGL 2333 Technical/Professional Writing
- *ENGL 2343 Business Communication I

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

- HIST 1483 U.S. History 1492 to Civil War Era
- HIST 1493 U.S. History Civil War Era to Present

Sociology 6 hours

*SOCI 1133 Crisis Intervention and Experience

and select one course from the following:

- SOCI 1113 Introduction to Sociology
- SOCI 2113 Social Problems in America

Speech 3 hours

SPCH 1013 Fundamentals of Listening

SPCH 1113 Speech Communication I

SPCH 2103 Interpersonal Communication

Computer Information Systems 3 hours

Select 3 credit hours from any of the Computer Information Systems (CSYS/CSOI) courses.

Specialized Course Requirements Credit Hours: 33**Business/Management 3 hours****select one course from the following:**

BUSN 2363 Supervisory Management

MGMT 1353 Management Essentials

^Human Services 27 hours

HSVC 1113 Principles of Human Services

HSVC 1213 Basic Counseling Skills

HSVC 1313 Chemical Dependency and Treatment

HSVC 2003 Dynamics of Family Relationships

HSVC 2023 Lifespan Development

*HSVC 2053 Human Services Applications/Case Management

*HSVC 2073 Issues in Human Services

*HSVC 2113 Internship

*HSVC 2513 Management of Community Programs

Controlled Electives 3 hours

^Human Services – Any Courses

INED 1413 Deaf Culture and History

*MGMT 1373 Human Resources Management

MGMT 1233 Health Care Management

PHED 1113 Personal, School, and Community Health

*POLS 2103 Introduction to State and Local Government

*POLS 2133 Introduction to Public Administration

*PSYC/*SOCI 2053 Social Psychology

*PSYC/*SOCI 2813 Human Sexuality

*SOCI 2043 Juvenile Delinquency

*SOCI 2133 Introduction to Deviant Behavior

*SOCI 2143 Minorities in America

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).

^Students must earn a grade of "C" or better in HSVC courses in order to progress to advanced courses in the program, or gain permission of the instructor or associate dean

HUMAN SERVICES**Corrections Option****Workforce Development Degree****Program Description:**

Students gain a diversity of skills necessary for job functions related to juvenile and adult corrections, including positions in parole, halfway houses, and residential settings for youth, correctional facilities, and community centers. Specialized coursework (12-15 credit hours) includes:

- Social Psychology
- Juvenile Delinquency or Adolescent or Adult Psychology
- Criminal Justice or relevant courses

Degree Awarded: Associate in Applied Science

Semester plan available through faculty advisement

General Education Requirements Credit Hours: 27**English 6 hours**

*ENGL 1113 Composition I

and select one course from the following:

- *ENGL 1213 Composition II
- *ENGL 2333 Technical/Professional Writing
- *ENGL 2343 Business Communication I

Continued >>

Psychology 6 hours

PSYC 1113 Introduction to Psychology

*PSYC/SOCI 2053 Social Psychology

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Sociology 6 hours

*SOCI 1133 Crisis Intervention and Experience

and select one course from the following:

SOCI 1113 Introduction to Sociology

SOCI 2113 Social Problems in America

Speech 3 hours
Select one from the following:

SPCH 1013 Fundamentals of Listening

SPCH 1113 Speech Communication I

SPCH 2103 Interpersonal Communication

Specialized Course Requirements Credit Hours: 33
Computer Information Systems 3 hours

Select 3 credit hours from any of the Computer Information Systems (CSYS/CSCI) courses.

^Human Services 21 hours

HSVC 1113 Principles of Human Services

HSVC 1213 Basic Counseling Skills

HSVC 1313 Chemical Dependency and Treatment

HSVC 2023 Lifespan Development

*HSVC 2053 Human Services Applications/Case Management

*HSVC 2073 Issues in Human Services

*HSVC 2113 Internship

Controlled Electives 9 hours

Criminal Justice – Any Courses

^Human Services – Any Courses

*MGMT 1373 Human Resources Management

PHED 1113 Personal, School, and Community Health

*POLS 2103 Introduction to State and Local Government

*POLS 2133 Introduction to Public Administration

PSYC 2323 Conflict Resolution

*PSYC 2533 Adolescent Psychology

*PSYC / SOCI 2813 Human Sexuality

*SOCI 2013 Marriage and Family

*SOCI 2043 Juvenile Delinquency

*SOCI 2133 Introduction to Deviant Behavior

*SOCI 2143 Minorities in America

*SOCI 2243 Introduction to Social Work

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).

^ Students must earn a grade of "C" or better in HSVC courses in order to progress to advanced courses in the program, or gain permission of instruction or associate dean.

HUMAN SERVICES

Developmental Disabilities Option

 Workforce Development Degree

Program Description:

This option is designed to provide graduates with the basic knowledge, attitudes, and skills regarding family, community living, education, employment, leisure and recreation, and support services necessary for job preparation in organizations serving people with developmental disabilities. Specialized coursework (15 credit hours) includes:

- Introduction to Developmental Disabilities
- Models for Supporting Persons with Disabilities
- Management of Community Programs

Degree Awarded: Associate in Applied Science

Semester plan available through faculty advisement

General Education Requirements Credit Hours: 24
English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

*ENGL 2343 Business Communication I

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Sociology 6 hours

*SOCI 1133 Crisis Intervention and Experience

and select one course from the following:

SOCI 1113 Introduction to Sociology

SOCI 2113 Social Problems in America

Speech 3 hours

SPCH 1013 Fundamentals of Listening

SPCH 1113 Speech Communication I

SPCH 2103 Interpersonal Communication

Specialized Course Requirements Credit Hours: 36
^Human Services 30 hours

HSVC 1113 Principles of Human Services

HSVC 1213 Basic Counseling Skills

HSVC 1313 Chemical Dependency and Treatment

HSVC 1413 Introduction to Developmental Disabilities

HSVC 1423 Models for Supporting Persons with Developmental Disabilities

HSVC 2023 Lifespan Development

*HSVC 2053 Human Services Applications/Case Management

*HSVC 2073 Issues in Human Services

*HSVC 2113 Internship

*HSVC 2513 Management of Community Programs

Controlled Electives 6 hours

CHLD 2213 Children with Special Needs
 ^*HSVC 1433 Leisure, Recreation, Visual, and Performing Arts in Disabilities
 ^*HSVC 1523 Volunteer Management in Human Services
 ^HSVC 2003 Dynamics of Family Relationships
 ^HSVC 2203 Parent-Child Relations
 INED 1363 American Sign Language I
 OCTA 1313 Introduction to Occupational Therapy
 PHED 1113 Personal, School, and Community Health
 PHIL 2153 Medical Ethics
 *POLS 2133 Introduction to Public Administration
 *PSYC / SOCI 2053 Social Psychology
 *PSYC 2213 Brain and Behavior
 *PSYC / SOCI 2813 Human Sexuality
 *SOCI 2133 Introduction to Deviant Behavior
 *SOCI 2243 Introduction to Social Work

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).
 ^ Students must earn a grade of "C" or better in HSVC courses in order to progress to advanced courses in the program, or gain permission of instructor or associate dean.

HUMAN SERVICES

Family Studies Option

Workforce Development Degree

Program Description

This option provides graduates with additional knowledge and skills to serve at-risk families and children in settings addressing prevention and intervention in child abuse, domestic violence, welfare assistance, youth supervision, adoption services, special needs and disabilities, child advocacy, shelters, and foster care. This degree may also transfer to baccalaureate institutions. Students should consult an academic advisor for transfer information.

Degree Awarded: Associate in Applied Science

Semester plan available through faculty advisement.

General Education Requirements Credit Hours: 30-31

Communications 9 hours

*ENGL 1113 Composition I

and select 6 credit hours from the following:

each course must be from a different discipline

*ENGL 2413 or other ENGL literature course

Speech (SPCH)

Foreign Language

Humanities 9 hours

Select 9 credit hours from three different disciplines designated as Humanities on the general education page.

Science/Math 6-7 hours

Select one course from two of the following disciplines:

MATH

PHYS or PHSC

BIOL

GEOL or GEOG

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 33

^Human Services 24 hours

HSVC 1113 Principles of Human Services
 HSVC 1213 Basic Counseling Skills
 HSVC 2003 Dynamics of Family Relationships
 HSVC 2023 Lifespan Development
 *HSVC 2053 Human Services Applications/Case Management
 *HSVC 2113 Internship
 *HSVC 2203 Parent-Child Relations
 *HSVC 2613 Gerontology in Human Services

Psychology/Sociology 3 hours

Select one course from the following:

PSYC 1113 Introduction to Psychology

SOCI 1113 Introduction to Sociology

Computer Information Systems 3 hours

Select 3 credit hours from any of the Computer Information Systems (CSYS/CSCI) courses.

Controlled Electives 3 hours

Foreign Languages – Any Courses

^Human Services – Any Courses

PHED 1113 Personal, School, and Community Health

PHED 2212 First Aid

PSYC any courses

PSYC 2133/SOCI 1133 Crisis Intervention and Experience

SOCI any courses

*SOCI 2013 Marriage and Family

Total Credit Hours: 63-64**

*Course has prerequisite (See course description section of catalog).
 ^ Students must earn a grade of "C" or better in HSVC courses in order to progress to advanced courses in the program, or gain permission of instructor or associate dean.

HUMAN SERVICES

Gerontology Option

Workforce Development Degree

Program Description:

Students in the Gerontology Option obtain skills and knowledge that will provide flexibility to work in a number of settings relating to the aging population. Careers serving the elderly can be found in senior centers, adult day care, nursing homes and other residential settings for the elderly, home companion/home health care, hospice, and family support. Specialized coursework (15 - 16 credit hours) includes:

- Gerontology in Human Services
- Aging and Behavior
- Management of Community Programs

Degree Awarded: Associate in Applied Science

Continued >>

General Education Requirements Credit Hours: 27

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

*ENGL 2343 Business Communication I

Psychology 6 hours

PSYC 1113 Introduction to Psychology

PSYC/SOCI 2713 Aging and Behavior

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Sociology 6 hours

*SOCI 1133 Crisis Intervention and Experience

and select one course from the following:

SOCI 1113 Introduction to Sociology

SOCI 2113 Social Problems in America

Speech 3 hours

Select one course from the following:

SPCH 1013 Fundamentals of Listening

SPCH 1113 Speech Communication I

SPCH 2103 Interpersonal Communication

Specialized Course Requirements Credit Hours: 36-37

Computer Information Systems 3 hours

Select 3 credit hours from any of the Computer Information Systems (CSYS/CSCI) courses.

^Human Services 27 hours

HSVC 1113 Principles of Human Services

HSVC 1213 Basic Counseling Skills

HSVC 1313 Chemical Dependency and Treatment

HSVC 2023 Lifespan Development

*HSVC 2053 Human Services Applications/Case Management

*HSVC 2073 Issues in Human Services

*HSVC 2113 Internship

*HSVC 2513 Management of Community Programs

*HSVC 2613 Gerontology in Human Services

Philosophy 3 hours

PHIL 2153 Medical Ethics

Controlled Electives 3-4 hours

^Human Services - Any Courses

ALDH 1323 Medical Terminology

BIOL 1383 Nutrition

HORT 1031 Therapeutic Horticulture

MGMT 1233 Health Care Management

PHED 1113 Personal, School, and Community Health

PHED 2212 First Aid

*POLS 2133 Introduction to Public Administration

*PSYC / SOCI 2053 Social Psychology

*PSYC 2213 Brain and Behavior

*PSYC 2613 Adult Psychology

*SOCI 2243 Introduction to Social Work

Total Credit Hours: 63-64

*Course has prerequisite (See course description section of catalog).
^ Students must earn a grade of "C" or better in HSVC courses in order to progress to advanced courses in the program, or gain permission of instructor or associate dean.

HUMAN SERVICES

Workforce Development Certificate

Program Description:

The certificate option involves the student strictly in courses specific to the human services field, providing students with technical skills necessary for employment prior to obtaining general education requirements for an academic degree or may provide the core courses needed to individuals with academic degrees in unrelated fields desiring to change careers.

Degree Awarded: Certificate of Achievement

Semester plan available through faculty advisement

^Human Services 27 hours

HSVC 1113 Principles of Human Services

HSVC 1213 Basic Counseling Skills

HSVC 1313 Chemical Dependency and Treatment

HSVC 2023 Lifespan Development

*HSVC 2053 Human Services Applications/Case Management

*HSVC 2113 Internship

and select one course from the following:

*HSVC 2003 Dynamics of Family Relationships

*HSVC 1443 Direct Support Professional I

HSVC 2513 Management of Community Programs

and select one course from the following:

HSVC 1413 Introduction to Developmental Disabilities

*HSVC 2073 Issues in Human Services

*HSVC 2203 Parent-Child Relations

HSVC 2433 Introduction to Therapeutic Recreation

and select one course from the following:

HSVC 1423 Models for Supporting Persons with Developmental Disabilities

*HSVC 2213 Introduction to Group Dynamics

HSVC 2413 Introduction to Leisure Services

*HSVC 2613 Gerontology in Human Services

Psychology/Sociology 3 hours

Select one course from the following:

*PSYC 2133 Crisis Intervention and Experience

*SOCI 1133 Crisis Intervention and Experience

Total Credit Hours: 30

*Course has prerequisite (See course description section of catalog).

^ Students must earn a grade of "C" or better in HSVC courses in order to progress to advanced courses in the program, or gain permission of instructor or associate dean.

HUMAN SERVICES

Direct Support Professional Option Workforce Development Certificate

Program Description:

The DSP Certificate involves the student strictly in courses specific to the Direct Support Professional, building upon required training in the State of Oklahoma. DSPs support people with developmental disabilities, physical disabilities, and other related conditions in residential, vocational, educational, recreation, health, and other community settings.

Degree Awarded: Certificate of Achievement

Semester plan available through faculty advisement.

^Human Services 15 hours

- *HSVC 1403 Direct Support Professional Foundations
- HSVC 1413 Introduction to Developmental Disabilities
- HSVC 1423 Models for Supporting Persons with Developmental Disabilities
- *HSVC 1443 Direct Support Professional I
- *HSVC 1453 Direct Support Professional Practicum

Total Credit Hours: 15

*Course has prerequisite (See course description section of catalog).

^Students must earn a grade of "C" or better in HSVC courses in order to progress to advanced course in the program, or gain permission of the instructor.

NOTE: This certificate option may be completed prior to obtaining general education requirements for an academic degree or may provide the core courses needed to individuals with academic degrees in unrelated fields desiring to change careers.

HUMANITIES

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Program Description:

According to Socrates, "the unexamined life is not worth living." By studying the humanities, students will have the opportunity to examine the diverse expressions of human experience. The humanities can be understood as the systematic study of the human artistic/creative response to the circumstances of existence. Human creativity in all cultures has manifested itself in a variety of forms including, but not limited to the academic disciplines of: painting, sculpture, architecture, literature, poetry, drama, philosophy, music, dance, and film. Humanities courses approach this subject matter in a manner that encourages the cultivation of diverse cultural and analytical perspectives in an attempt to carefully reflect upon the wider implications of being human.

Degree Awarded: Associate in Arts**General Education Requirements Credit Hours: 31**

See the General Education Requirements for complete list.

Humanities requirements are met in Specialized Course Requirements.

Specialized Course Requirements Credit Hours: 29-30**Humanities 9 hours**

- HUMN 2113 Humanities I
- HUMN 2223 Humanities II
- HUMN 2553 American Humanities

Select 9 credit hours from the following:

- HUMN 2333 Humanities: Literature and Film
- HUMN 2443 Art of Film
- HUMN 2663 Hollywood's America
- HUMN 2773 Popular Culture
- HUMN 2883 Culture and Identity

Select 3 credit hours from the following:

- HUMN 2613 International Film
- GEOG 1043 Introduction to Cultural Geography
- ASNS 2103 Survey of Asian Civilizations
- AFRS 2713 Survey of African Civilizations
- HIST 2223 Modern Latin American History
- NAMS 2113 Native American Culture
- NAMS 2213 Spiritualities of Native America
- NAMS 2313 Introduction to Native American Literature, Drama, and Film
- RELG/PHIL 1213 Religions of the World: Eastern Tradition
- RELG/PHIL 1223 Religions of the World: Western Tradition

Controlled Electives 6 hours

- ART 1053 Art History Survey I
- ART 1063 Art History Survey II
- ART 2053 Art History Survey IV
- *ENGL 2543 British Literature I
- *ENGL 2653 British Literature II
- *ENGL 2673 World Literature I
- *ENGL 2683 World Literature II
- *ENGL 2773 American Literature I
- *ENGL 2883 American Literature II
- HIST 1053 Ancient and Medieval Western Civilization
- HIST 1063 Modern Western Civilization
- MUSC 1113 Music Appreciation
- PHIL 1113 Introduction to Philosophy
- PHIL 2163 Introduction to the History and Philosophy of Science
- RELG 1113 Introduction to Religious Studies
- RELG 2243 Christian Ethics and Social Thought
- RELG 2313 Religion in Film
- SOCI 2123 Introduction to Cultural Anthropology
- THEA 1093 Introduction to Theatre

Recommended Electives 2-3 hours

Foreign Languages strongly suggested

Total Credit Hours: 60-61

*Course has prerequisite (See course description section of catalog).

Proficiency in foreign language is recommended.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

Physical education activity courses do not count toward the associate degree requirements in this curriculum.

INFORMATION TECHNOLOGY

Workforce Development Degree

Program Description:

The Information Technology program at Tulsa Community College provides students with the skills needed to work in today's rapidly changing Information technology environment. Students may earn an Associate in Applied Science degree in any of the following nine (9) options:

- 1) Business Application Professional
- 2) Cloud Computing
- 3) Information Technology
- 4) Mobile Computing Development
- 5) Networking
- 6) Programming
- 7) Systems Support Technician
- 8) Web Development
- 9) Website Management

Degree Awarded: Associate in Applied Science

For More Information Contact:

Business and Information Technology Division:
 Metro: (918) 595-7039, Northeast: (918) 595-7439,
 Southeast: (918) 595-7639, West: (918) 595-8033

General Education Requirements Credit Hours: 18

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

- *ENGL 1213 Composition II
- *ENGL 2333 Technical/Professional Writing
- *ENGL 2343 Business Communication I

Mathematics 3 hours

- *MATH 1513 College Algebra
- BUSN 1353 Business Mathematics

Social Science 6 hours

- POLS 1113 American Federal Government
- #### and select one course from the following:
- HIST 1483 U.S. History 1492 to Civil War Era
 - HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

- SPCH 1113 Speech Communication I
- SPCH 2103 Interpersonal Communication

Specialized Course Requirements Credit Hours: 42

Core Courses 15 hours

Business 3 hours

Select one course from the following:

- BUSN 1053 Introduction to Business
- MGMT 2363 Principles of Management

Computer Information Systems 12 hours

- CSCI 1203 Computer Concepts and Applications
- *CSYS 1013 XHTML
- CSCI 1263 Network Fundamentals
- CSYS 1203 Introduction to Computer Programming

Select from any of the nine (9) degree options:

1) Business Application Professional Option 27 hours

The Business Application Professional program is designed to prepare business professionals and information managers with the diversity of computer technology and applications software skills needed (1) to complete business tasks and projects efficiently and profitably, (2) to collaborate and connect to vital business resources, (3) to use desktop applications with an executive focus, and (4) to prepare for the Microsoft Certified Application Specialist exams (MCAS).

Information Systems 15 hours

- *CSCI 2013 Word
- *CSCI 2033 Excel
- *CSCI 2043 Access
- *CSCI 2163 Windows Operating Systems
- *CSCI 2483 PowerPoint/Multimedia

Controlled Electives 12 hours

Any 2000 level CSYS/CSCI course
 The following are highly recommended:

- *CSYS 2323 Outlook
 - *CSYS 2343 Visual Basic for Applications
- or
- *CSCI 2283 Visual Basic
 - CSYS 1063 Digital Image Editing
 - *CSCI 2983 Information Technology Internship

2) Cloud Computing Option 27 hours

Through this option students learn critical Cloud computing skills related to future careers as network engineers.

- * CSCI 1483 Introduction to Unix
- *CSYS 1213 ITIL Foundations
- * CSYS 2063 Microsoft Windows Server
- *CSYS 2493 Principles of Information Assurance
- *CSYS 2563 Enterprise Security
- * ITCV 2023 Wireless Networking
- * ITCV 2033 Broadband Networking/CCENT/CCNA ICND1
- * ITCV 2203 CCNA Routing and Switching/CND2
- * ITCV 2293 Cloud Computing

3) Information Technology Option 27 hours

The Information Technology Degree seeks to provide maximum flexibility in designing a course curriculum through electives which meets the needs of students in the Information Technology field. This degree is designed to allow graduates with prior work experience the ability to count those experiences as advanced standing credit.

Select 27 credit hours from any CSCI or CSYS courses.

Students with prior experience in an Information Technology

specialty may be awarded advanced standing credit for up to 18 of these 27 hours as APPR credit hours.

APPR 1306 Apprenticeship I

*APPR 1346 Apprenticeship II

*APPR 2306 Apprenticeship III

4) Mobile Computing Development Option 27 hours

This program is designed to provide graduates with the depth and diversity of skills needed for employment in the field of mobile application development.

*CSCI 2473 C Language

*CSCI 2843 C++ Programming Language

*CSYS 2613 C# Programming

*CSCI 2133 Introduction to Java

*CSYS 1793 Mobile Development - iPhone

*CSYS 2623 Mobile Development – Advanced iPhone

*CSYS 2793 Mobile Development - Android

*CSYS 2813 Mobile Development – Windows Mobile

*CSYS 2843 Mobile Development - Capstone

5) Networking Option 27 hours

The Networking program is designed to provide skills needed to work in today's changing IT network environment. Many of these courses help prepare students to take industry certification exams.

*CSCI 1483 Intro to UNIX (Linux)

*CSYS 2023 A+ Essentials

*CSYS 2063 Microsoft Windows Server

*CSYS 2493 Principles of Information Assurance

*ITCV 2023 Wireless Networking

ITCV 2033 Broadband Networking / CCENT/CCNA ICND1

ITCV 2063 Convergent Technologies

ITCV 2203 CCNA Routing and Switching/CND2

*CSYS 2563 Enterprise Security

6) Programming Option 27 hours

The Programming option is designed to provide graduates with the logic and programming skills needed to design and create computer programs in a wide range of programming languages that satisfy the needs of business and industry.

Information Systems 24 hours

Select one of the following two courses:

*CSCI 1483 Introduction to UNIX (Linux)

*CSCI 2163 Windows Operating Systems

Select all of the following:

*CSCI 2133 Introduction to JAVA

CSCI 2283 Visual Basic

*CSYS 2413 Advanced JAVA

*CSCI 2473 C Language

*CSYS 2643 Database Design and SQL

*CSCI 2843 C++ Programming Language

*CSCI 2893 Advanced Visual Basic

Controlled Electives 3 hours

*CSYS 2463 PHP Programming

*CSYS 2533 Java Server Pages (JSP)

*CSCI 2683 Data Structures

*CSCI 2983 Information Technology Internship

7) Systems Support Technician Option 27 hours

This program is designed to provide graduates with the diversity of skills needed to troubleshoot and implement a course of action necessary to solve customer hardware, software, and networking problems.

Information Systems 18 hours

*CSYS 2023 A+ Essentials

*CSYS 2493 Principles of Information Assurance

*CSCI 1273 Customer Support

*CSCI 1483 Introduction to UNIX (Linux)

*CSYS 2063 Windows 2000 Series Server

*CSCI 2143 A+ IT Technician

Controlled Electives 9 hours

CSYS 2563 Enterprise Security

ITCV 2023 Wireless Networking

ITCV 2033 Broadband Networking / CCENT/CCNA ICND1/ITCV

2063 Convergent Technologies

*CSCI 2983 Information Technology Internship

8) Web Development Option 27 hours

This program is designed to provide graduates with the knowledge required to assume the role of a Web application developer. Completion of this program will allow a student to create interactive Website front ends using (X)HTML, JavaScript, and CSS and the student will be able to code server side components for delivering content to database driven Websites and Web applications.

Information Systems 24 hours

*CSCI 2163 Windows Operating Systems

*CSYS 2033 Scripting

CSCI 2283 Visual Basic

*CSYS 2643 Database Design and SQL

*CSYS 2503 ASP.NET

*CSYS 2463 PHP Programming

*CSYS 2853 Ruby

*CSYS 2863 Rails 1

Controlled Electives 3 hours

*CSCI 1483 Introduction to UNIX (Linux)

*CSYS 1153 Adobe Dreamweaver

*CSCI 2983 Information Technology Internship

*CSYS 2873 Rails II

9) Website Management Option 27 hours

The Website Management option is designed to provide graduates with the skills needed to develop and promote a business through effective informational and e-business Websites.

Information Systems 15 hours

*CSYS 1063 Digital Image Editing

*CSYS 1393/MKTG 1393 Web Design and Marketing

CSYS 1443/MKTG 1443 Electronic Commerce

*CSCI 1483 Introduction to Unix (Linux)

Continued >>

*CSYS 2153 Advanced XHTML Technologies

Controlled Electives 12 hours

*CSCI 2163 Windows Operating Systems

*CSCI 2043 Access

MKTG 2423 Principles of Marketing

MKTG 2393 Advertising and Promotion Management

MGMT 2123 Leadership Development

*CSCI 2983 Information Technology Internship

Total Credit Hours 60

*Course has prerequisite (See course description section of catalog).

INFORMATION TECHNOLOGY

Workforce Development Certificate

Program Description

The Information Technology program at Tulsa Community College provides students with the skills needed to work in today's rapidly changing Information Technology environment. Students may earn a Certificate in any of the eight (8) options listed below. These certificates range from 27 to 39 hours. Many of the courses help prepare students to take industry certification examinations. After earning a Certificate, students can earn an Associate in Applied Science degree by taking additional classes.

- 1) Business Application Specialist
- 2) Cloud Computing
- 3) Mobile Computing Development
- 4) Networking
- 5) Programming
- 6) System Support Technician
- 7) Web Development
- 8) Website Management

Degree Awarded: Certificate of Achievement

For More Information Contact:

Business and Information Technology Divisions:
 Metro: (918) 595-7039, Northeast: (918) 595-7439,
 Southeast: (918) 595-7639, West: (918) 595-8033

Computer Information Systems 12 hours

(required for all options)

CSCI 1203 Computer Concepts and Applications

*CSCI 1263 Network Fundamentals

*CSYS 1013 XHTML

*CSYS 1203 Introduction to Computer Programming

1) Business Application Specialist Option 15 hours

The Business Application Specialist Certificate is designed to prepare business professionals and information workers with the diversity of computer technology and applications software skills required to work in a collaborative environment to effectively complete business tasks using multiple

applications effectively and to prepare for the Microsoft Certified Application Specialist Exam (MCAS).

*CSCI 2013 Word

*CSCI 2033 Excel

*CSCI 2043 Access

*CSCI 2163 Windows Operating Systems

*CSCI 2483 PowerPoint/Multimedia

2) Cloud Computing Option 18 hours

This program is designed to complement the Wavebreak technology program. Students learn critical Cloud computing skills related to future careers as network engineers.

*CSYS 1213 ITIL Foundations

*CSYS 2063 Microsoft Windows Server

*CSYS 2493 Principles of Information Assurance

*CSYS 2563 Enterprise Security

ITCV 2033 Broadband Networking / CCENT/CCNA ICND1

*ITCV 2293 Cloud Computing

3) Mobile Computing Development Option 18 hours

This program is designed to complement the Wavebreak technology program. Students learn critical mobile computing development skills related to future careers as mobile application developers.

*CSCI 2133 Introduction to Java

*CSCI 2473 C Language

*CSYS 1793 Mobile Development - iPhone

*CSYS 2623 Mobile Development - Advanced iPhone

*CSYS 2793 Mobile Development - Android

*CSYS 2843 Mobile Development - Capstone

4) Networking Option 18 hours

The Networking program is designed to provide skills needed to work in today's changing IT network environment. After earning this certificate, students can acquire an Associate in Applied Science Degree in Networking by taking 10 additional classes. Many of these courses help prepare students to take industry certification exams.

*CSYS 2023 A+ Essentials

*CSYS 2063 Microsoft Window Server

*CSYS 2493 Principles of Information Assurance

*CSYS 2563 Enterprise Security

*ITCV 2023 Wireless Networking

*ITCV 2033 Broadband Networking/CCENT/CCNA ICND1

5) Programming Option 27 hours

The Programming certificate is designed to provide graduates with the logic and programming skills needed to design and create computer programs in a wide range of programming languages that satisfy the needs of business and industry.

*CSCI 2133 Introduction to JAVA

CSCI 2283 Visual Basic

*CSCI 2473 C Language

*CSCI 2843 C++ Programming Language

*CSCI 2893 Advanced Visual Basic

*CSYS 2413 Advanced JAVA

*CSYS 2643 Database Design and SQL

and select one course from the following:

- *CSCI 1483 Introduction to UNIX (Linux)
- *CSCI 2163 Windows Operating Systems

Controlled Electives 3 hours

- *CSCI 2683 Data Structures
- *CSCI 2983 Information Technology Internship
- *CSYS 2463 PHP Programming
- *CSYS 2533 Java Server Pages (JSP)

6) Systems Support Technician Option 18 hours

This program is designed for students who wish to acquire knowledge and skills needed to trouble shoot and implement a course of action necessary to solve customer hardware, software, and networking problems. Entry competencies include basic knowledge of PCs and familiarity with the Windows operating system. On completion of coursework, students may sit for certification exams from CompTIA and Microsoft.

- *CSCI 1273 Customer Support
- *CSCI 1483 Introduction to UNIX (Linux)
- *CSCI 2143 A+ IT Technician
- *CSYS 2023 A+ Essentials
- *CSYS 2063 Windows 2000 Series Server
- *CSYS 2493 Principles of Information Assurance

7) Web Development Option 24 hours

This program is designed to provide graduates with the knowledge required to assume the role of a Web developer. Completion of this program will allow a student to create interactive Website front ends using (X)HTML, JavaScript, and CSS and the student will be able to code server side components for delivering content to database driven Websites and Web applications.

- *CSCI 2163 Windows Operating Systems
- CSCI 2283 Visual Basic
- *CSYS 2033 Scripting
- *CSYS 2463 PHP Programming
- *CSYS 2503 ASP.NET
- *CSYS 2643 Database Design and SQL
- *CSYS 2853 Ruby
- *CSYS 2863 Rails 1

Students who complete those courses with a "+" above, along with CSYS 2873 Rails II, may apply for a Web Development Level I certification of completion from the Business and Information Technology division.

8) Website Management Option 15 hours

The Website Management Certificate is designed to provide graduates with the skills needed to develop and promote a business through effective informational and e-business websites.

Information Systems 15 hours

- *CSCI 1483 Introduction to Unix (Linux)
- *CSYS 1063 Digital Image Editing
- *CSYS 1393/MKTG 1393 Web Design and Marketing
- CSYS 1443/MKTG 1443 Electronic Commerce
- *CSYS 2153 Advanced XHTML Technologies

Total Credit Hours: 27-39 hours

*Course has prerequisite (See course description section of catalog).

INFORMATION TECHNOLOGY

Business Computer User

Workforce Development Certificate

Program Description:

This program is designed to produce a knowledgeable and proficient computer user, with the computer technology and applications software skills needed to collaborate with and connect to vital business resources, and to use desktop applications to complete business tasks and projects.

Degree Awarded: Certificate of Achievement

For More Information Contact:

Business and Information Technology Division:
West: (918) 595-8033

Computer Information Systems 6 hours

- CSCI 1203 Computer Concepts and Applications
- *CSYS 2073 MS Office

Total Credit Hours: 6

*Course has prerequisite (See course description section of catalog).

INTERIOR DESIGN

Workforce Development Degree

Program Description:

Upon completion of the program the student will have skills in the following areas: cost estimating, purchase orders, display, drafting for interiors including floor plans, space planning, elevations, isometrics, one and two point perspective sketching, delineation techniques, historic periods of design, knowledge of fire, life safety and handicap codes, knowledge of lighting, textiles computer-aided design, and sales representation. These skills combined with field internships, market field trips, and customer service prepare student to enter the interior design field and combine their education with work experience.

Degree Awarded: Associate in Applied Science

For More Information Contact:

Business and Information Technology Division:
Southeast: (918) 595-7639

Semester plan available through faculty advisement.

General Education Requirements Credit Hours: 18

Art 3 hours

ART 1063 Survey of Art History II

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

Psychology 3 hours

PSYC 1313 Human Relations

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 48
Interior Design 39 hours

INTD 1313 Interior Design Orientation

*INTD 1353 Presentation Drawing

*INTD 1373 Color Graphics for Interior Designers

*INTD 1383 Lighting Concepts

INTD 1413 History of Interiors

*INTD 1453 Design I

*INTD 1463 Design II

*INTD 2303 Textiles for Interior Design

*INTD 2313 Professional Practice

*INTD 2323 Design III

*INTD 2333 Design IV

*INTD 2383 Introduction to CAD for Interior Design

*INTD 2413 Advanced CAD for Interior Design

Marketing 6 hours

MKTG 1313 Sales and Negotiations

MKTG 2423 Principles of Marketing

Controlled Electives 3 hours

*** *INTD 2343 Field Application

**INTD 2403 Market Field Trip

INTD 2993 Selected Topics in Interior Design

Total Credit Hours: 66

*Course has prerequisite (See course description section of catalog).

**Course may be taken twice.

***These courses are highly recommended for students not employed in the field.

INTERIOR DESIGN

Workforce Development Certificate

Program Description:

Upon completion of the Certificate of Achievement program the student will have skills in the following areas: cost estimating, purchase orders, floor plans, space planning, one and two point perspective sketching, delineation techniques, life safety and handicap codes, historic periods of design, lighting techniques, and sales presentation. These skills combined with work related experience will prepare the student for a career in interior design.

Degree Awarded: Certificate of Achievement
Interior Design 27 hours

INTD 1313 Interior Design Orientation

*INTD 1383 Lighting Concepts

INTD 1413 History of Interiors

*INTD 1453 Design I

*INTD 1463 Design II

*INTD 2313 Professional Practice

*INTD 2323 Design III

*INTD 2333 Design IV

*INTD 2383 Introduction to CAD for Interior Design

Marketing 3 hours

MKTG 1313 Sales and Negotiations

Controlled Electives 6 hours

*INTD 1353 Presentation Drawing

*INTD 1373 Color Graphics for Interior Designers

*** *INTD 2343 Field Application

**INTD 2403 Market Field Trip

MKTG 2423 Principles of Marketing

Total Credit Hours: 36

*Course has prerequisite (See course description section of catalog).

**Course may be taken twice.

***These courses are highly recommended for students not employed in the field.

INTERNATIONAL BUSINESS

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Science
For More Information Contact:

Business and Information Technology Divisions:

Metro: (918) 595-7039, Northeast: (918) 595-7439,

Southeast: (918) 595-7639, West: (918) 595-8033

General Education Requirements Credit Hours: 28

See the General Education Requirements for the complete list.

Required Electives (3 hours) and Recommended Electives (6 hours) are included in the Foreign Language requirement.

Specialized Course Requirements Credit Hours: 32
Accounting 6 hours

ACCT 2213 Financial Accounting

*ACCT 2223 Managerial Accounting

Computer Information Systems 3 hours

CSCI 1203 Computer Concepts and Applications

Economics 9 hours

ECON 2013 Principles of Macroeconomics

*ECON 2023 Principles of Microeconomics

*ECON 2123 International Economic Issues

Foreign Language 9 hours**

Speech 3 hours

SPCH/BUSN 2053 Intercultural Communication

Recommended Electives Credit 2 hours

BUSN 1053 Introduction to Business

*BUSN 2253 International Business Seminar/Field Study

CSYS 2563 Enterprise Security

GEOG 1023 World Geography (Economics)

GEOG 1043 Introduction to Cultural Geography

MGMT 2123 Leadership Development

MGMT 2363 Principles of Management

MKTG 2423 Principles of Marketing

*MKTG 2813 International Marketing

*MATH 2193 Elementary Statistics

MATH 2523 Calculus for Business, Life, and Social Studies

*POLS 2013 Introduction to Comparative Governments

*POLS 2203 Introduction to International Relations

Total Credit Hours: 60

*Course has prerequisites (See course description section of catalog).

**All foreign languages must be from one language. Check catalog pages 25-26 for Proficiency Certification and Foreign Language advanced standing credit options.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

**Students should select courses that will transfer to the specific college/university they plan to attend. See the University Transfer Degree Information above.

Physical education activity courses do not count toward the associate degree requirements in this curriculum.

INTERNATIONAL BUSINESS
Workforce Development Certificate

Program Description:

This program is designed to provide the student with the business skills required for employment by a company with international operations. Competency in a modern international language is a program option. The program is directed toward students who are preparing for employment by a multinational organization, those who are presently employed in a company with international relations, and students who need assistance in preparing for travel abroad to conduct business. This program allows students the option of developing a competency in a foreign language of choice or of selecting elective business support courses that are related to the student's occupational goal. Either option will provide the student with an increased knowledge and awareness of international business concepts and cultural practices.

Degree Awarded: Certificate of Achievement**Computer Information Systems 3 hours**CSCI 1203 Computer Concepts and Applications
or

Select three hours from any CSYS/CSCI courses.

Economics 6 hours

ECON 2013 Principles of Macroeconomics

*ECON 2123 International Economic Issues

English 6 hours

ENGL 1113 Composition I

and select 3 credit hours from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

*ENGL 2343 Business Communication I

Geography 3 hours

GEOG 1023 World Geography (Economics)

GEOG 1043 Introduction to Cultural Geography

Speech 3 hours

SPCH/BUSN 2053 Intercultural Communication

Controlled Electives 9 hours**Choose one of the two emphases below:**

1. Select 9 credit hours from one foreign language discipline

or

2. Select 9 credit hours of Business courses

ACCT 2213 Financial Accounting

*ACCT 2223 Managerial Accounting

BUSN/PHIL 1143 Introduction to Ethics: Business Issues

*BUSN 2213 Small Business Management

*BUSN 2253 International Business Seminar/Field Study

BUSN 2313 Business Law I

CSYS 2563 Enterprise Security

*ECON 2023 Principles of Microeconomics

MGMT 2123 Leadership Development

MGMT 2363 Principles of Management

MKTG 2423 Principles of Marketing

Total Credit Hours: 30

*Course has prerequisites (See course description section of catalog).

Students should choose either the SPCH or BUSN discipline when enrolling.

(1) Recommended for students with no foreign language proficiency.

(2) Recommended for students with foreign language proficiency.

INTERNATIONAL LANGUAGE STUDIES

University Transfer Degrees

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

INTERNATIONAL LANGUAGE STUDIES

French Option

University Transfer Degree

Degree Awarded: Associate in Arts

General Education Requirements Credit Hours: 37

Foreign Language (3 hours Required Elective) and International (6 hours Recommended Elective) may be satisfied with 9 hours of additional French Language courses. See the General Education Requirements for the complete list. Foreign Language requirement is satisfied in Specialized Course Requirements.

Specialized Course Requirements Credit Hours: 23

French 18 hours

- FREN 1103 French I
- *FREN 1213 French II
- *FREN 1313 French III
- *FREN 1413 French IV
- *FREN 2113 Intermediate French I
- *FREN 2213 Intermediate French II

Controlled Electives 5 hours

- *FREN 1001 French for Communication I
- *FREN 1031 French Pronunciation
- *FREN 1201 French for Communication II
- *FREN 1301 French for Communication III
- *FREN 1401 French for Communication IV
- FREN 2033 French Literature in Translation
- FREN 2041 French - Introduction to the Arts
- FREN 2071 French History and Geography Introduction
- *FREN 2121 Intermediate French Communication
- *FREN 2143 French Civilization and Culture
- *FREN 2263 Intermediate French Literature
- *FREN 2320 International Work and/or Study Seminar
- *FREN 2330 French International Seminar and/or Field Studies
- *FREN 2413 French Translating
- FREN 2421 French Culture Comparisons
- *FREN 2433 French Cinema and Conversation
- *FREN 2523 Intermediate French Grammar and Composition

*FREN 2533 Advanced French Conversation

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog). To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

INTERNATIONAL LANGUAGE STUDIES

German Option

University Transfer Degree

Degree Awarded: Associate in Arts

General Education Requirements Credit Hours: 37

Foreign Language (3 hours Required Elective) and International (6 hours Recommended Elective) may be satisfied with 9 hours of additional German Language courses. See the General Education Requirements for the complete list. Foreign Language requirement is satisfied in Specialized Course Requirements.

Specialized Course Requirements Credit Hours: 23

German 18 hours

- GRMN 1103 German I
- *GRMN 1213 German II
- *GRMN 1313 German III
- *GRMN 1413 German IV
- *GRMN 2113 Intermediate German I
- *GRMN 2213 Intermediate German II

Controlled Electives 5 hours

- *GRMN 1001 German for Communication I
- *GRMN 1031 German Pronunciation
- *GRMN 1201 German for Communication II
- *GRMN 1301 German for Communication III
- *GRMN 1401 German for Communication IV
- GRMN 2033 German Literature in Translation
- GRMN 2041 German - Introduction to the Arts
- GRMN 2071 German History and Geography Introduction
- *GRMN 2121 Intermediate German Communication
- *GRMN 2143 German Civilization and Culture
- *GRMN 2263 Intermediate German Literature
- *GRMN 2320 International Work and/or Study Seminar
- *GRMN 2330 German International Seminar and/or Field Studies
- *GRMN 2413 German Translating
- GRMN 2421 German Culture Comparisons
- *GRMN 2523 Intermediate German Grammar and Composition
- *GRMN 2533 Advanced German Conversation

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog). To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency.

er proficiency. Please see page 22 for complete requirements.

INTERNATIONAL LANGUAGE STUDIES

Italian Option University Transfer Degree

Degree Awarded: Associate in Arts

General Education Requirements Credit Hours: 37

See the General Education Requirements for the complete list.

Specialized Course Requirements Credit Hours: 23

Italian 18 hours

ITAL 1103 Italian I

*ITAL 1213 Italian II

*ITAL 1313 Italian III

*ITAL 1413 Italian IV

*ITAL 2113 Intermediate Italian I

*ITAL 2213 Intermediate Italian II

Controlled Electives 5 hours

*ITAL 1001 Italian for Communication I

*ITAL 1201 Italian for Communication II

*ITAL 1301 Italian for Communication III

*ITAL 1401 Italian for Communication IV

ITAL 2033 Italian Literature in Translation

ITAL 2041 Italian - Introduction to the Arts

ITAL 2071 Italian History and Geography Introduction

*ITAL 2121 Intermediate Italian Communication

*ITAL 2143 Italian Civilization and Culture

*ITAL 2263 Intermediate Italian Literature

*ITAL 2320 International Work and/or Study Seminar

*ITAL 2330 Italian International Seminar and/or Field Studies

*ITAL 2413 Italian Translating

ITAL 2421 Italian Culture Comparisons

ITAL 2433 Italian Film/Literature

*ITAL 2523 Intermediate Italian Grammar and Composition

*ITAL 2533 Advanced Italian Conversation

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

INTERNATIONAL LANGUAGE STUDIES

Japanese Option University Transfer Degree

Degree Awarded: Associate in Arts

General Education Requirements Credit Hours: 37

See the General Education Requirements for the complete list.

**Foreign Language (3 hours Required Elective) and International (6 hours Recommended Elective) may be satisfied with 9 hours of additional Japanese Language.

Specialized Course Requirements Credit Hours: 23

Japanese 15 hours

JAPN 1103 Japanese I

*JAPN 1213 Japanese II

*JAPN 1313 Japanese III

*JAPN 1413 Japanese IV

*JAPN 2113 Intermediate Japanese

Controlled Electives 8 hours

*JAPN 1001 Japanese for Communication I

*JAPN 1201 Japanese for Communication II

*JAPN 1301 Japanese for Communication III

*JAPN 1401 Japanese for Communication IV

JAPN 2033 Japanese Literature in Translation

JAPN 2041 Japanese - Introduction to the Arts

JAPN 2071 Japanese History and Geography Introduction

*JAPN 2121 Intermediate Japanese Communications

*JAPN 2143 Japanese Civilization and Culture

*JAPN 2213 Intermediate Japanese II

*JAPN 2320 International Work and/or Study Seminar

*JAPN 2413 Japanese Translating I

JAPN 2421 Japanese Culture Comparisons

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

INTERNATIONAL LANGUAGE STUDIES

Russian Option University Transfer Degree

Degree Awarded: Associate in Arts

General Education Requirements Credit Hours: 37

See the General Education Requirements for the complete list. Foreign Language (3 hours required elective) and International (6 hours recommended elective) may be satisfied with 9 hours of additional Russian Language courses.

Specialized Course Requirements Credit Hours: 23

Russian 15 hours

RUSS 1103 Russian I

*RUSS 1213 Russian II

*RUSS 1313 Russian III

*RUSS 1413 Russian IV

*RUSS 2113 Intermediate Russian I

Controlled Electives 8 hours

*RUSS 1001 Russian for Communication I

RUSS 1031 Russian Pronunciation

RUSS 1061 Russian for Biblical Study

*RUSS 1201 Russian for Communication II

*RUSS 1301 Russian for Communication III

*RUSS 1401 Russian for Communication IV

RUSS 2033 Russian Literature in Translation

RUSS 2041 Russian - Introduction to the Arts

Continued >>

- RUSS 2071 Russian History and Geography Introduction
- *RUSS 2143 Russian Civilization and Culture
- *RUSS 2213 Intermediate Russian II
- *RUSS 2320 International Work and/or Study Seminar
- *RUSS 2413 Russian Translating
- RUSS 2421 Russian Culture Comparisons
- *RUSS 2523 Intermediate Russian Grammar and Composition

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog). To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

INTERNATIONAL LANGUAGE STUDIES

Spanish Option

University Transfer Degree

Degree Awarded: Associate in Arts

General Education Requirements Credit Hours: 37

See the General Education Requirements for the complete list. Foreign Language (3 hours required elective) and International (6 hours Recommended Elective) may be satisfied with 9 hours of additional Spanish Language courses.

Specialized Course Requirements Credit Hours: 23

Spanish 18 hours

- SPAN 1103 Spanish I
- *SPAN 1213 Spanish II
- *SPAN 1313 Spanish III
- *SPAN 1413 Spanish IV
- *SPAN 2113 Intermediate Spanish
- *SPAN 2213 Intermediate Spanish II

or

- *SPAN 2523 Intermediate Spanish Grammar and Composition

Controlled Electives 5 hours

- *SPAN 1001 Spanish for Communication I
- SPAN 1061 Spanish for Biblical Study
- *SPAN 1201 Spanish for Communication II
- *SPAN 1301 Spanish for Communication III
- *SPAN 1401 Spanish for Communication IV
- SPAN 2033 Spanish Literature in Translation
- SPAN 2041 Spanish-Introduction to the Arts
- SPAN 2071 Spanish-Mexican History and Geography Introduction
- *SPAN 2121 Intermediate Spanish Communication
- *SPAN 2143 Latin American Civilization and Culture
- *SPAN 2263 Intermediate Spanish Literature
- *SPAN 2320 International Work and/or Study Seminar
- *SPAN 2330 Spanish International Seminar and/or Field Studies
- *SPAN 2413 Translating Spanish to English
- SPAN 2421 Spanish Culture Comparisons
- *SPAN 2443 Interpreting Spanish to English
- *SPAN 2453 Interpreting English to Spanish
- *SPAN 2463 Courtroom Interpreting Skills Introduction
- *SPAN 2473 Medical Interpreting Skills Introduction

- *SPAN 2523 Intermediate Spanish Grammar and Composition
- *SPAN 2533 Advanced Spanish Conversation
- *SPAN 2543 Translating English to Spanish
- *SPAN 2663 Spanish Service Learning

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog). To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

SPANISH

NSU-Tahlequah Transfer Option

Program Description:

This program is designed for students who wish to acquire oral and written language proficiency, an awareness of the Spanish-speaking culture, and who have plans to transfer to a North-eastern State University- Tahlequah to complete a baccalaureate degree in Spanish or in Spanish Education.

Degree Awarded: Associate in Arts

General Education Requirements Credit Hours: 34

See the General Education Requirements for the complete list. General Education required electives are met in specialized course requirements.

Specialized Course Requirements Credit Hours: 27

Spanish 15 hours

- ^SPAN 1103 Spanish I
- *^SPAN 1213 Spanish II
- *SPAN 1313 Spanish III
- *SPAN 1413 Spanish IV

and select one from the following

- *SPAN 2113 Intermediate Spanish
- *SPAN 2213 Intermediate Spanish II
- *SPAN 2523 Intermediate Spanish Grammar and Composition

International Languages 3 hours

- ARBC 1103 Arabic I
- CHNS 1103 Chinese I
- FREN 1103 French I
- GRMN 1103 German I
- GREE 1103 Greek I
- ITAL 1103 Italian I
- JAPN 1103 Japanese I
- LATN 1103 Latin I
- NAMS 1013 Cherokee Language I
- PORT 1103 Portuguese I
- RUSS 1103 Russian I

Psychology 3 hours

- **PSYC 1113 Introduction to Psychology

Controlled Electives 6 hours

- *SPAN 2113 Intermediate Spanish
- *SPAN 2143 Latin American Civilization and Culture
- *SPAN 2213 Intermediate Spanish II

- *SPAN 2263 Intermediate Spanish Literature
- *SPAN 2413 Translating Spanish to English
- *SPAN 2443 Interpreting Spanish to English
- *SPAN 2453 Interpreting English to Spanish
- *SPAN 2463 Courtroom Interpreting Skills Introduction
- *SPAN 2473 Medical Interpreting Skills Introduction
- *SPAN 2523 Intermediate Spanish Grammar and Composition
- *SPAN 2533 Advanced Spanish Conversation
- *SPAN 2543 Translating English to Spanish
- *SPAN 2660 Spanish Service Learning
- *SPAN 2773 Spanish for Native Speakers

Total Credit Hours: 61

*Course has prerequisite (See course description section of catalog).

** Students transferring to the B.A.Ed. in Spanish Education must take PSYC 1113, students who will be majoring in Spanish at NSU are advised to see a counselor regarding optional substitutions for this course that meet the criteria of "required electives" for general education.

^ A maximum of 18 credit hours in Spanish will transfer toward the major requirements at NSU. SPAN 1103 and 1213 will transfer as lower level electives under this agreement.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

INTERNATIONAL LANGUAGE STUDIES

Workforce Development Certificates

Certificate Program Description:

This program provides an in-depth study of the spoken and written language and prepares students to use the chosen language as a career skill. The courses are designed to emphasize acquisition of competency sufficient to communicate orally and in writing with a native speaker of the target language on a professional or work-related basis. TCC instructional methods infuse technology into the learning process, which increases access to resources for the language. Graduates find a variety of positions with government or social organizations and firms involved with speakers of the target language (translating, interpreting, investments, accounting, banking, education, publishing, manufacturing, sales, service, and travel).

Certificate options in:

- Chinese
- French
- German
- Italian
- Japanese
- Russian
- Spanish
- Spanish Interpreting Skills
- Spanish Translating Skills

INTERNATIONAL LANGUAGE STUDIES

Chinese Option

Workforce Development Certificate

Degree Awarded: Certificate of Achievement

Chinese 12 hours

- CHNS 1103 Chinese I
- *CHNS 1213 Chinese II
- *CHNS 1313 Chinese III
- *CHNS 1413 Chinese IV

Controlled Electives 8 hours

- CHNS 1001 Chinese for Communication I
- CHNS 1031 Chinese Pronunciation
- *CHNS 1201 Chinese for Communication II
- CHNS 2033 Chinese Literature in Translation
- CHNS 2041 Chinese-Introduction to the Arts
- CHNS 2071 Chinese History and Geography Introduction
- *CHNS 2113 Intermediate Chinese I
- *CHNS 2121 Intermediate Chinese Communication
- CHNS 2143 Asian Civilization and Culture
- *CHNS 2213 Intermediate Chinese II
- *CHNS 2331-3 Chinese International Seminar and/or Field Studies
- CHNS 2421 Chinese Culture Comparisons
- ASNS 1103 Asian Philosophy and Culture
- ASNS 2693 Asian Literature in Translation

NOTE: One alternate language, 1-3 credit hours, may be substituted if necessary to complete the required total credit hours for Controlled Electives. Select from Arabic, French, German, Greek, Hebrew, Italian, Japanese, Latin, Portuguese, Russian or Spanish.

Total Credit Hours: 20

*Course has prerequisite (See course description section of catalog)

INTERNATIONAL LANGUAGE STUDIES

French Option

Workforce Development Certificate

Degree Awarded: Certificate of Achievement

French 18 hours

- FREN 1103 French I
- *FREN 1213 French II
- *FREN 1313 French III
- *FREN 1413 French IV
- *FREN 2113 Intermediate French I
- *FREN 2213 Intermediate French II

Controlled Electives 7 hours

- *FREN 1001 French for Communication I
- *FREN 1031 French Pronunciation

Continued >>

*FREN 1201 French for Communication II
 *FREN 1301 French for Communication III
 *FREN 1401 French for Communication IV
 FREN 2033 French Literature in Translation
 FREN 2041 French - Introduction to the Arts
 FREN 2071 French History and Geography Introduction
 *FREN 2121 Intermediate French Communication
 *FREN 2143 French Civilization and Culture
 *FREN 2263 Intermediate French Literature
 *FREN 2320 International Work and/or Study Seminar
 *FREN 2330 International Seminar and/or Field Studies
 *FREN 2413 French Translating
 FREN 2421 French Culture Comparisons
 *FREN 2433 French Cinema and Conversations
 *FREN 2523 Intermediate French Grammar and Composition
 *FREN 2533 Advanced French Conversation

NOTE: One alternate language, 1-3 credit hours, may be substituted if necessary to complete the required total credit hours for Controlled Electives. Select from Arabic, Chinese, German, Greek, Hebrew, Italian, Japanese, Latin, Portuguese, Russian or Spanish.

Total Credit Hours: 25

*Course has prerequisite (See course description section of catalog).

INTERNATIONAL LANGUAGE STUDIES

German Option

Workforce Development Certificate

Degree Awarded: Certificate of Achievement

German 18 hours

GRMN 1103 German I
 *GRMN 1213 German II
 *GRMN 1313 German III
 *GRMN 1413 German IV
 *GRMN 2113 Intermediate German I
 *GRMN 2213 Intermediate German II

Controlled Electives 7 hours

*GRMN 1001 German for Communication I
 *GRMN 1031 German Pronunciation
 *GRMN 1201 German for Communication II
 *GRMN 1301 German for Communication III
 *GRMN 1401 German for Communication IV
 GRMN 2033 German Literature in Translation
 GRMN 2041 German - Introduction to the Arts
 GRMN 2071 German History and Geography Introduction
 *GRMN 2121 Intermediate German Communication
 *GRMN 2143 German Civilization and Culture
 *GRMN 2263 Intermediate German Literature
 *GRMN 2320 International Work and/or Study Seminar
 *GRMN 2330 German International Seminar and/or Field Studies
 *GRMN 2413 German Translating
 GRMN 2421 German Culture Comparisons
 *GRMN 2523 Intermediate German Grammar and Composition
 *GRMN 2533 Advanced German Conversation

NOTE: One alternate language, 1-3 credit hours, may be substituted if necessary to complete the required total credit hours for Controlled Electives. Select from Arabic, Chinese, French, Greek, Hebrew, Italian, Japanese, Latin, Portuguese, Russian or Spanish.

Total Credit Hours: 25

*Course has prerequisite (See course description section of catalog).

INTERNATIONAL LANGUAGE STUDIES

Italian Option

Workforce Development Certificate

Degree Awarded: Certificate of Achievement

Italian 15 hours

ITAL 1103 Italian I
 *ITAL 1213 Italian II
 *ITAL 1313 Italian III
 *ITAL 1413 Italian IV
 *ITAL 2113 Intermediate Italian I

Controlled Electives 5 hours

*ITAL 1001 Italian for Communication I
 *ITAL 1201 Italian for Communication II
 *ITAL 1301 Italian for Communication III
 *ITAL 1401 Italian for Communication IV
 ITAL 2033 Italian Literature in Translation
 ITAL 2041 Italian - Introduction to the Arts
 ITAL 2071 Italian History and Geography Introduction
 *ITAL 2121 Intermediate Italian Communication
 *ITAL 2143 Italian Civilization and Culture
 *ITAL 2213 Intermediate Italian II
 *ITAL 2263 Intermediate Italian Literature
 *ITAL 2320 International Work and/or Study Seminar
 *ITAL 2330 Italian International Seminar and/or Field Studies
 *ITAL 2413 Italian Translating
 ITAL 2421 Italian Culture Comparisons
 *ITAL 2433 Italian Film/Literature
 *ITAL 2523 Intermediate Italian Grammar and Composition
 *ITAL 2533 Advanced Italian Conversation

NOTE: One alternate language, 1-3 credit hours, may be substituted if necessary to complete the required total credit hours for Controlled Electives. Select from Arabic, Chinese, French, German, Greek, Hebrew, Japanese, Latin, Portuguese, Russian or Spanish.

Total Credit Hours: 20

*Course has prerequisite (See course description section of catalog).

INTERNATIONAL LANGUAGE STUDIES
Japanese Option
Workforce Development Certificate

Degree Awarded: Certificate of Achievement
Japanese 15 hours

- JAPN 1103 Japanese I
 *JAPN 1213 Japanese II
 *JAPN 1313 Japanese III
 *JAPN 1413 Japanese IV
 *JAPN 2113 Intermediate Japanese I

Controlled Electives 5 hours

- *JAPN 1001 Japanese for Communication I
 *JAPN 1201 Japanese for Communication II
 *JAPN 1301 Japanese for Communication III
 *JAPN 1401 Japanese for Communication IV
 JAPN 2033 Japanese Literature in Translation
 JAPN 2041 Japanese - Introduction to the Arts
 JAPN 2071 Japanese History and Geography
 *JAPN 2121 Intermediate Japanese
 *JAPN 2143 Japanese Civilization and Culture
 *JAPN 2213 Intermediate Japanese II
 *JAPN 2320 International Work and/or Study Seminar
 *JAPN 2413 Japanese Translating
 JAPN 2421 Japanese Culture Comparisons

NOTE: One alternate language, 1-3 credit hours, may be substituted if necessary to complete the required total credit hours for Controlled Electives. Select from Arabic, Chinese, French, German, Greek, Hebrew, Italian, Latin, Portuguese, Russian or Spanish.

Total Credit Hours: 20

*Course has prerequisite (See course description section of catalog).

INTERNATIONAL LANGUAGE STUDIES
Russian Option
Workforce Development Certificate

Degree Awarded: Certificate of Achievement
Russian 15 hours

- RUSS 1103 Russian I
 *RUSS 1213 Russian II
 *RUSS 1313 Russian III
 *RUSS 1413 Russian IV
 *RUSS 2113 Intermediate Russian I

Controlled Electives 5 hours

- *RUSS 1001 Russian for Communication I
 RUSS 1031 Russian Pronunciation
 RUSS 1061 Russian for Biblical Study
 *RUSS 1201 Russian for Communication II
 *RUSS 1301 Russian for Communication III

- *RUSS 1401 Russian for Communication IV
 RUSS 2033 Russian Literature in Translation
 RUSS 2041 Russian - Introduction to the Arts
 RUSS 2071 Russian History and Geography Introduction
 *RUSS 2143 Russian Civilization and Culture
 *RUSS 2213 Intermediate Russian II
 *RUSS 2320 International Work and/or Study Seminar
 *RUSS 2413 Russian Translating
 RUSS 2421 Russian Culture Comparisons
 *RUSS 2523 Intermediate Russian Grammar and Composition

NOTE: One alternate language, 1-3 credit hours, may be substituted if necessary to complete the required total credit hours for Controlled Electives. Select from Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Latin, Portuguese, or Spanish.

Total Credit Hours: 20

*Course has prerequisite (See course description section of catalog).

INTERNATIONAL LANGUAGE STUDIES
Spanish Option
Workforce Development Certificate

Program Description:

This program provides an in-depth study of the spoken and written language and prepares students to use the Spanish language as a career skill. The courses are designed to emphasize acquisition of competency sufficient to communicate orally and in writing with a native speaker of the target language on a professional or work-related basis. TCC instructional methods infuse technology into the learning process, which increases access to resources for the language. Graduates find a variety of positions with government or social organizations and firms involved with speakers of the target language (translating, interpreting, investments, accounting, banking, education, publishing, manufacturing, sales, service, and travel). Courses may also be transferred to an Associate of Arts or Associate in Applied Science Degree.

Degree Awarded: Certificate of Achievement
Spanish 18 hours

- SPAN 1103 Spanish I
 *SPAN 1213 Spanish II
 *SPAN 1313 Spanish III
 *SPAN 1413 Spanish IV
 *SPAN 2113 Intermediate Spanish I
 *SPAN 2213 Intermediate Spanish II
or
 *SPAN 2523 Intermediate Spanish Grammar and Composition

Controlled Electives 7 hours

- *SPAN 1001 Spanish for Communication I
 SPAN 1031 Spanish Pronunciation
 SPAN 1061 Spanish for Biblical Study
 *SPAN 1201 Spanish for Communication II
 *SPAN 1301 Spanish for Communication III
 *SPAN 1401 Spanish for Communication IV
 SPAN 2033 Spanish Literature in Translation
 SPAN 2041 Spanish - Introduction to the Arts

Continued >>

SPAN 2071 Spanish-Mexican History and Geography Introduction
 *SPAN 2121 Intermediate Spanish Communication
 *SPAN 2143 Latin American Civilization and Culture
 *SPAN 2263 Intermediate Spanish Literature
 *SPAN 2320 International Work and/or Study Seminar
 *SPAN 2330 Spanish International Seminar and/or Field Studies
 *SPAN 2413 Translating Spanish to English
 SPAN 2421 Spanish Culture Comparisons
 *SPAN 2443 Interpreting Spanish to English
 *SPAN 2453 Interpreting English to Spanish
 *SPAN 2523 Intermediate Spanish Grammar and Composition
 *SPAN 2533 Advanced Spanish Conversation
 *SPAN 2543 Translating English to Spanish

NOTE: One alternate language, 1-3 credit hours, may be substituted if necessary to complete the required total credit hours for Controlled Electives. Select from Arabic, Chinese, French, German, Greek, Hebrew, Italian, Japanese, Latin, Portuguese, or Russian.

Total Credit Hours: 25

*Course has prerequisite (See course description section of catalog).

INTERNATIONAL LANGUAGE STUDIES

Spanish Interpreting Skills Option Workforce Development Certificate

Program Description:

This program provides an introduction to interpreting skills for the courtroom or medical areas. Courses are designed to emphasize acquisition of speaking competency sufficient to communicate fluently (Spanish to English and English to Spanish) and to provide communication assistance between non-Spanish speaking medical personnel and non-English speaking patients with legal or medical groups.

Degree Awarded: Certificate of Achievement

Spanish 18 hours

*SPAN 1313 Spanish III
 *SPAN 1413 Spanish IV
 *SPAN 2443 Interpreting Spanish to English
 *SPAN 2453 Interpreting English to Spanish
and select one of the following:
 *SPAN 2113 Intermediate Spanish I
 *SPAN 2213 Intermediate Spanish II
 *SPAN 2523 Intermediate Spanish Grammar and Composition
and select one of the following:
 *SPAN 2463 Courtroom Interpreting Skills Introduction
 *SPAN 2473 Medical Interpreting Skills Introduction

Controlled Electives 3 hours

*SPAN 2121 Intermediate Spanish Communication
 *SPAN 2143 Latin America Civilization and Culture
 *SPAN 2421 Spanish Culture Comparisons
 *SPAN 2533 Advanced Spanish Conversation
 *SPAN 2661-3 Spanish Service Learning

Total Credit Hours: 21

*Course has prerequisite (See course description section of catalog).

INTERNATIONAL LANGUAGE STUDIES

Spanish Translating Skills Option Workforce Development Certificate

Program Description:

This program provides an introduction to translating skills. Courses are designed to emphasize usage of language competency for written translation purposes (Spanish to English and English to Spanish). Holders of the certificate find a variety of opportunities in business and industry and social service areas.

Degree Awarded: Certificate of Achievement

Spanish 18 hours

*SPAN 1313 Spanish III
 *SPAN 1413 Spanish IV
 *SPAN 2113 Intermediate Spanish I
 *SPAN 2413 Translating Spanish to English
 *SPAN 2543 Translating English to Spanish
and select one of the following:
 *SPAN 2213 Intermediate Spanish II
 *SPAN 2523 Intermediate Spanish Grammar and Composition

Controlled Electives 3 hours

*SPAN 2321-3 International Work and/or Study Seminar
 *SPAN 2331-3 Spanish International Seminar and/or Field Studies
 *SPAN 2143 Latin American Civilization and Culture

Total Credit Hours: 21

*Course has prerequisite (See course description section of catalog).

INTERPRETER EDUCATION

University Transfer Degree

Program Description:

This program is designed to prepare students for a career as a sign language interpreter for persons who are deaf or hard of hearing. This program emphasizes the acquisition of American Sign Language, the appreciation of deaf culture and the process of interpreting and transliterating.

Degree Awarded: Associate in Arts

For More Information Contact:

Liberal Arts Division: Northeast (918) 595-7494

General Education Requirements Credit Hours: 28

Remaining General Education Requirements satisfied in Specialized Course Requirements.

English 6 hours

*ENGL 1113 Composition I
 *ENGL 1213 Composition II

Humanities 6 hours

HUMN 2113 Humanities I
 HUMN 2223 Humanities II

Mathematics 3 hours

*MATH 1513 College Algebra

Science 7 hours

See General Education Requirements. One course must be a lab science.

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 38

*INED 1373 American Sign Language II

INED 1413 Deaf Culture and History

INED 1423 Introduction to Interpreting

*INED 2213 ASL to English Interpreting I

*INED 2233 ASL to English Interpreting II

* INED 2393 Interpreting I

*INED 2403 Interpreting II

*INED 2414 American Sign Language III

*INED 2443 Interpreting in Specialized Settings

*INED 2524 American Sign Language IV

*INED 2613 Interpreting III

*INED 2643 Interpreting Internship

Total Credit Hours: 66

*Course has prerequisite (See course description section of catalog). To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

INTERPRETER EDUCATION

Workforce Development Certificate

Program Description:

This program is designed to prepare students for a career as a sign language interpreter for persons who are deaf or hard of hearing. This program emphasizes the acquisition of American Sign Language, the appreciation of Deaf Culture and the process of interpreting and transliterating. The courses are designed to prepare the student to take the interpreter certification tests and to work in entry-level positions as an interpreter in the public schools, colleges and universities, social service agencies and/or private practice.

Degree Awarded: Associate in Applied Science**For More Information Contact:**

Liberal Arts Division: Northeast (918) 595-7494

General Education Requirements Credit Hours: 15

The remaining General Education Requirements may be satisfied in Specialized Course Requirements or Controlled Electives.

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

Select one course from the following:

SPCH 1013 Fundamentals of Listening

SPCH 1113 Speech Communication I

SPCH 2103 Interpersonal Communication

Specialized Course Requirements Credit Hours: 45**Interpreter Education 41 hours**

INED 1363 American Sign Language I

*INED 1373 American Sign Language II

INED 1413 Deaf Culture and History

INED 1423 Introduction to Interpreting

* INED 2213 ASL to English Interpreting I

*INED 2233 ASL to English Interpreting II

*INED 2393 Interpreting I

*INED 2403 Interpreting II

*INED 2414 American Sign Language III

* INED 2443 Interpreting in Specialized Settings

*INED 2524 American Sign Language IV

*INED 2613 Interpreting III

*INED 2643 Interpreting Internship

Controlled Electives 3 hours

ENGL 1083 Grammar and Mechanics

PSYC 1113 Introduction to Psychology

PSYC 1313 Human Relations

SOCI 2113 Social Problems in America

Recommended Electives 1 hour

Select one credit hour from any discipline

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog)

INTERPRETER EDUCATION

Workforce Development Certificate

Program Description:

This program is designed to prepare students who have already obtained an associate or bachelor's degree in another field for a career in interpreting for persons who are deaf or hard of hearing. The program emphasizes the acquisition of American Sign Language, the appreciation of Deaf Culture and the process of interpreting and transliterating. The courses are designed to prepare the student to take the interpreter certification tests and to work in entry-level positions as an interpreter in the public schools, colleges and universities, social service agencies and/or private practice.

Degree Awarded: Certificate of Achievement**For More Information Contact:**

Liberal Arts/Community Services Division: Northeast:
(918) 595-7494

Continued >>

Interpreter Education 41 hours

INED 1363 American Sign Language I
 *INED 1373 American Sign Language II
 INED 1413 Deaf Culture and History
 INED 1423 Introduction to Interpreting
 *INED 2213 ASL to English Interpreting I
 *INED 2233 ASL to English Interpreting II
 *INED 2393 Interpreting I
 *INED 2403 Interpreting II
 *INED 2414 American Sign Language III
 *INED 2443 Interpreting in Specialized Settings
 *INED 2524 American Sign Language IV
 *INED 2613 Interpreting III
 *INED 2643 Interpreting Internship

Total Credit Hours: 41

*Course has prerequisite (See course description section of catalog).

JOURNALISM & MASS COMMUNICATIONS

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog or transfer counselor of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12906/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Arts
For More Information Contact:

Communications Services Division
 Metro: (918) 595-7064

General Education Requirements Credit Hours: 34

See the General Education Requirements for complete list. Required General Education Electives are satisfied in the Specialized Course Requirements.

Specialized Course Requirements Credit Hours: 27
English 3 hours

ENGL 1083 Grammar and Mechanics

Journalism 9 hours

JRMCM 1013 Introduction to Mass Communications
 *JRMCM 1113 Writing for the Mass Media
 *JRMCM 1123 News Writing and Reporting

Speech 3 hours

SPCH 1113 Speech Communication I

**Select courses from the following two areas of emphasis:
9 hours**
Television Broadcasting Emphasis

JRMCM 1103 Introduction to Broadcasting
 *JRMCM 2263 Digital Video I/Final Cut Pro
 *JRMCM 2173 Advanced Broadcasting

or

*JRMCM 2273 Digital Video II/Final Cut Pro

Public Relations/Advertising Emphasis

*JRMCM 2013 Principles of Advertising
 *JRMCM 2183 Principles of Public Relations
 MKTG 2423 Principles of Marketing

Controlled Electives 3 Hours

*CSYS 2673 Adobe Illustrator
 *CSYS 2683 Adobe InDesign
 *ENGL 2343 Business Communication I
 CSYS/JRMCM 2573 Videography
 HIST 2043 Contemporary Affairs
 *JRMCM 2013 Principles of Advertising
 *JRMCM 2143 Studio Production
 *JRMCM 2173 Advanced Broadcasting
 *JRMCM 2183 Principles of Public Relations
 *JRMCM 2263 Digital Video I/Final Cut Pro
 *JRMCM 2273 Digital Video II/Final Cut Pro
 *JRMCM 2373 Broadcast Laboratory
 *JRMCM 2433 Field Production
 *JRMCM 2513 TCC Honors Connection I
 *JRMCM 2523 TCC Honors Connection II
 JRMCM 2853 Photography
 *JRMCM 2973 Journalism and Mass Communications Internship I
 *JRMCM 2983 Journalism and Mass Communications Internship II
 MKTG 2423 Principles of Marketing
 *SPCH 2093 Business and Professional Speech
 SPCH 2313 Voice and Diction I
 *THEA 2453 Script Writing

Total Credit Hours: 61

*Course has prerequisite. (See course description section of catalog.) To receive an A.A. or A.S. degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

LAW ENFORCEMENT

Workforce Development Degree

Program Description:

This program is designed principally for persons interested in a career as a peace officer and as a program for current peace officers to improve their knowledge and skills in specialized fields. Law enforcement agencies have various strenuous entrance, background, and physical requirements. Students should not assume this program will lead to employment in law enforcement.

Degree Awarded: Associate in Applied Science

For More Information Contact:

Liberal Arts/Community Services Division:
Northeast: (918) 595-7494

General Education Requirements Credit Hours: 24 hours**English 6 hours**

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

Psychology 3 hours**Select one course from the following:**

PSYC 1113 Introduction to Psychology

PSYC 1313 Human Relations

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Sociology 6 hours

SOCI 1113 Introduction to Sociology

*SOCI 2043 Juvenile Delinquency

Speech 3 hours**Select one course from the following:**

SPCH 1113 Speech Communication I

SPCH 2103 Interpersonal Communication

Specialized Course Requirements Credit Hours: 36**Computer Information Systems 3 hours**

CSCI 1203 Computer Concepts and Applications

Criminal Justice 21 hours

CRIM 1013 Introduction to Criminal Justice

CRIM 2103 Criminal Evidence

*CRIM 2113 Criminalistics

CRIM 2123 Criminal Law I

*CRIM 2143 Criminal Law II

CRIM 2223 Criminal Procedures I

*CRIM 2333 Criminal Procedures II

Recommended Electives 12 hours

*CRIM 1213 Police Fundamentals

*CRIM 1253 Police Methods and Equipment

*CRIM 2023 Traffic Investigation

CRIM 2063 Law Enforcement Supervision

CRIM 2183 Police Equipment and Weapons

CRIM 2213 Interrogation Techniques

FESR 1363 Fire Investigation and Arson

MGMT 2363 Principles of Management

POLS 2103 Introduction to State and Local Government

Total Credit Hours: 60

*Course has prerequisite (See course description section of the catalog).
Physical education activity courses do not count toward the associate degree requirements in this curriculum.

LIBERAL ARTS**University Transfer Degree****University Transfer Degree Information:**

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult either the college catalog or a transfer counselor at the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree program.

Degree Awarded: Associate in Arts**General Education Requirements Credit Hours: 31**

See the General Education Requirements for the complete list. Recommended electives are satisfied in specialized course requirements.

Specialized Course Requirements Credit Hours: 29-30**Humanities 6 hours**

HUMN 2113 Humanities I

HUMN 2223 Humanities II

Select courses from the following three areas of emphasis:**1) General Emphasis 23 Hours****Controlled Electives 12 hours**

Choose courses from at least four Liberal Arts & Sciences** disciplines.

**Liberal Arts & Sciences disciplines include the following: Art, African Studies, Asian Studies, Computer Science, Economics, Humanities, Languages, Life and Physical Sciences, Journalism & Mass Communications, Mathematics, Music & Theatre (nonperformance courses only), Native American Religious Studies, Social Sciences.

Recommended Electives 11 hours**2) Peace Studies and Conflict Resolution Emphasis** 24 Hours****Foreign Language 6 hours**

2 semesters of the same foreign language

Integrative Courses 6 hours

PSYC 2323 Conflict Resolution

*SOCI 1133/*PSYC 2133 Crisis Intervention and Experience

*Prerequisite of PSYC 1113 or SOCI 1113 may be met in General Education requirements.

Cultural Organizations 3 hours

SOCI 2123 Introduction to Cultural Anthropology

POLS 2013 Introduction to Comparative Governments

POLS 2203 Introduction to International Relations

RELG 2173 Religion and Society

RELG 1213 Religions of the World - Eastern Tradition

RELG 1223 Religions of the World - Western Tradition

Continued >>

ECON 2013 Principles of Macroeconomics
 ECON 2123 International Economic Issues
 BUSN/SPCH 2053 Intercultural Communications
 BUSN/PHIL 1143 Introduction to Ethics/Business Issues

Artistic Expression 3 hours

ENGL 2683 Survey of World Literature from 1700
 ENGL 2893 Minority Literature
 HUMN 2163 International Film
 ART 1063 Art History Survey II
 NAMS 2613 Native American Arts
 HUMN 2883 Art and Identity
 HUMN 2323 20th Century Global Humanities

Social Sciences and World Affairs 3 hours

GEOG 2153/BIOL 2123 Human Ecology
 GEOG 2033 World Regional Geography
 GEOG 1043 Introduction to Cultural Geography
 GEOG 1023 World Economic Geography
 GEOG 2053 Social Psychology
 SOCI 2113 Social Problems in America
 SOCI 2143 Minorities in America

History 3 hours

AFRS 2343 The African Diaspora
 HIST 2343 Native American History
 HIST 1073 20th Century World History
 HIST 2023 Modern Eastern Civilizations
 HIST 2223 Modern Latin American History
 HIST 2333 African American History

3) Humanities and the Environment Emphasis** 23 Hours

Integrative Courses 6 hours

BIOL 2123/GEOG 2153 Human Ecology
 HUMN 2993 Capstone: Environmental Humanities - Activism Projects

Physical and Social Sciences 8 hours

PHSC 1114 General Physical Sciences
 BIOL 1114 General Biology for Non-Majors
 If PHSC 1114 and/or BIOL 1114 were completed under the General Education Requirements, select 8-9 hours from the following:

BIOL 2144 Marine Biology
 GEOG 1043 Introduction to Cultural Geography
 GEOG 2113 Introduction to Oceanography
 GEOL 1014 General Geology (Physical)
 GEOL 1024 General Geology (Historical)
 SOCI 2123 Introduction to Cultural Anthropology
 NAMS 2113 Native American Cultures

History and Philosophy 6 hours

PHIL 2163/HIST 2163 Introduction to the History and Philosophy of Science
 HIST 1073 20th Century World History
 HIST 2023 Modern Eastern Civilization
 HIST 2043 Contemporary Affairs
 HIST 2223 Modern Latin American History
 PHIL 1113 Introduction to Philosophy
 BUSN 1143/PHIL 1143 Introduction to Ethics: Business Issues

PHIL 2133 Introduction to Ethical Thinking
 PHIL 2143 Introduction to Social and Political Philosophy
 PHIL 1213/RELG 1213 Religions of the World - Eastern Tradition

Artistic Expressions 3 hours

ENGL 2413 Introduction to Literature
 ENGL 2773 Survey of American Literature to 1865
 ENGL 2883 Survey of American Literature from 1865
 ENGL 2893 Minority Literature
 HUMN 2163 International Film
 HUMN 2333 Humanities: Literature and Film
 HUMN 2553 American Humanities
 HUMN 2883 Art and Identity: Cultural Encounters in America
 ART 1063 Art History Survey II
 NAMS 2613 Native American Arts

Total Credit Hours: 60-61

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements. Physical Education activity classes do not count toward the associate degree requirements in this curriculum at TCC.

**NOTE: Students who complete this area of emphasis may apply for an institutional certificate of completion from the Liberal Arts Division. Physical education activity courses do not count toward the associate degree requirements in this curriculum.

LIBERAL ARTS

American Studies Option

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult either the college catalog or a transfer counselor at the specific college/university to which they plan to transfer and the signed articulation or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Arts

General Education Requirements Credit Hours: 25

Additional general education requirements met in Specialized Course Requirements.

English 6 hours

*ENGL 1113 Composition I
 *ENGL 1213 Composition II

Humanities 3 hours

HUMN 2553 American Humanities

Mathematics 3 hours

*MATH 1513 College Algebra

Social Sciences 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. 1492 to Civil War Era
 HIST 1493 U.S. Civil War Era to Present

Science 7 hours

Seven credit hours of science (one course must be a laboratory science) from the General Education Requirements list.

Specialized Course Requirements Credit Hours: 36

*ENGL 2773 American Literature I

*ENGL 2883 American Literature II

RELG 2233 Religion in America

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War

HIST 1493 U.S. History Civil War to Present

Select one of the following courses on minorities in America:

*ENGL 2893 Minority Literature

HIST 2333 African-American History

HIST 2343 Native American History

(Same course as NAMS 2343 Native American Histories)

SOCI 2143 Minorities in America

Select one of the following courses on American society:

HIST 2043 Contemporary Affairs

SOCI 2113 Social Problems in America

PHIL 2143 Introduction to Social and Political Philosophy

POLS 2023 Introduction to American Politics

*SOCI 2013 Marriage and Family

+NAMS 2513 Introduction to Native American Law

Select one of the following courses on American culture:

HUMN 2443 Art of Film

HUMN 2663 Hollywood's America

HUMN 2773 American Popular Culture

HUMN 2883 Art and Identity: Culture Encounters in America

+NAMS 2113 Introduction to Native American Cultures

+NAMS 2213 Introduction to Native American Spiritualities

+NAMS 2313 Introduction to Native American Literature/Drama/Film

Controlled Electives 15 hours

(Any course not taken from the list of specialized course requirements may be taken as a controlled elective.)

^Foreign Language through Level IV (Spanish recommended)

HIST 1033 Oklahoma History

HIST 1073 Twentieth Century World History

HIST 2533 American Frontier

Any NAMS course+

Recommended Electives (not required for degree)

HIST 1063 Modern Western Civilization

HUMN 2223 Humanities II

RELG 1223 Religions of the World: The Western Tradition

Total Credit Hours: 60-61

*Course has prerequisite (See course description section of catalog).

+NOTE: Courses in Native American Studies have not been approved for transfer as part of the 2+2 program with OSU.

To receive an A. A. or A. S. degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements. Physical education activity courses do not count toward the associate degree requirements in this curriculum.

LIBERAL ARTS

Film Emphasis

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult either the college catalog or a transfer counselor at the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree program.

Degree Awarded: Associate in Arts

General Education Requirements Credit Hours: 31

See the General Education Requirements for the complete list. Recommended electives are satisfied in specialized course requirements.

Specialized Course Requirements Credit Hours: 30

Art 3 hours

ART 1113 Art Appreciation

or

ART 1063 Art History Survey II

Computer Sciences 3 hours

CSCI 1203 Computer Concepts and Applications

Filmmaking 9 hours

ART 2813 Filmmaking I

*ART 2823 Film Internship, Filmmaking II

ART 2913 Film/Video History Analysis I

Humanities 9 hours

HUMN 2333 Film and Literature

HUMN 2443 Art of Film

HUMN 2663 Hollywood's America

Theatre 6 hours

THEA 1053 Acting I

THEA 2453 Scriptwriting

Additional Recommended Courses

(not required for degree)

*ART 1123 Drawing I

ART 2853 Photography

HUMN 2613 International Film

RELG 2313 Religion in Film

Any Foreign Language

Total Credit Hours: 61

*Course has prerequisite (See course description section of catalog).

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

LIBERAL ARTS
 International Emphasis
 University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult either the college catalog or a transfer counselor at the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree program.

Degree Awarded: Associate in Arts
For More Information Contact:

Liberal Arts Divisions: Metro: (918) 595-7118 Northeast: (918) 595-7494 Southeast: (918) 595-7780 West: (918) 595-8079

General Education Requirements Credit Hours: 31

Recommended electives are satisfied in specialized course requirements.

English 6 hours

- *ENGL 1113 Composition I
- *ENGL 1213 Composition II

Humanities 6 hours

- HUMN 2113 Humanities I
- HUMN 2223 Humanities II

Mathematics 3 hours

- *MATH 1513 College Algebra
- *MATH 1613 Plane Trigonometry
- *MATH 1715 College Algebra and Trigonometry
- *MATH 2114 Analytic Geometry and Calculus I
- *MATH 2124 Analytic Geometry and Calculus II

Science 7 hours

- One course must be a laboratory science
- BIOL 1114 General Biology for Non-Majors
 - BIOL 1383 Nutrition
 - *BIOL 1404 General Botany
 - *BIOL 1604 Zoology
 - *BIOL 2154 Human Physiology
 - *BIOL 2164 Microbiology
 - *CHEM 1114 Principles of Chemistry
 - GEOL 1014 General Geology (Physical)
 - GEOL 1024 General Geology (Historical)
 - GEOG 1014 Geography (Physical)
 - GEOG 2013 Meteorology
 - *PHYS 1114 General Physics I
 - *PHSC 1114 General Physical Science

Social Science 6 hours

- HIST 1493 U.S. History Civil War Era to Present
- POLS 1113 American Federal Government

Required Electives 3 hours
Select one course from the following:

- Art 1113 Art Appreciation
- MUSC 1113 Music Appreciation
- SOCI 2123 Introduction to Cultural Anthropology

Specialized Course Requirements Credit Hours: 30
Economics 3 hours
Select one course from the following:

- ECON 2013 Principles of Macroeconomics
- *ECON 2023 Principles of Microeconomics
- ECON 2123 International Economic Issues

Foreign Language 6 hours

** (Same language)

Geography 3 hours
Select one course from the following:

- GEOG 1023 World Geography (Economic)
- GEOG 1043 Introduction to Cultural Geography
- GEOG 2033 World Regional Geography

History 3 hours
Select one course from the following:

- HIST 1063 Modern Western Civilization
- HIST 1073 Twentieth Century World History
- HIST 2023 Modern Eastern Civilization
- HIST 2043 Contemporary Affairs
- HIST 2223 Modern Latin American History
- HIST 2333 African American History

Philosophy/Religion 3 hours
Select one course from the following:

- PHIL/RELG 1213 Religions of the World: The Eastern Tradition
- PHIL/RELG 1223 Religions of the World: The Western Tradition

Political Science 3 hours
Select one course from the following:

- *POLS 2013 Introduction to Comparative Governments
- *POLS 2203 Introduction to International Relations

Controlled Electives 9 hours
Select one course from the following:

- CSCI 1203 Computer Concepts and Applications
- *ENGL 2673 World Literature I
- *ENGL 2683 World Literature II
- SPCH 2053 Intercultural Communication

and select two courses from the following:

- AFRS 2713 Survey of African Civilization
- ASNS 1103 Asian Philosophy and Culture
- BIOL 2123 Human Ecology
- HUMN 2613 International Film
- NAMS 2113 Native American Cultures

Total Credit Hours: 61

*Course has prerequisite (See course description section of catalog).
 **Check catalog for advanced credit.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

LIBERAL ARTS

Native American Emphasis University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult either the college catalog or a transfer counselor at the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree program.

Program Description:

This emphasis is designed to meet the educational needs of both Native American and non-Native American students. Native American Studies (NAMS) courses focus upon the diverse world-views expressed in Native American cultures, spiritualities, histories, oral traditions, and literatures.

Degree Awarded: Associate in Arts

For More Information Contact:

Humanities/Native American Studies Program (918) 595-8210
Liberal Arts Division: West (918) 595-8079

General Education Requirements Credit Hours: 28

Additional 9 credit hours required and recommended electives are satisfied in specialized course requirements.

English 6 hours

- *ENGL 1113 Composition I
- *ENGL 1213 Composition II

Humanities 6 hours

GEOG 1043 Introduction to Cultural Geography

Select one course of the following:

- HUMN 2113 Humanities I
- HUMN 2223 Humanities II

Mathematics 3 hours

Select one course from the following:

- *MATH 1513 College Algebra
- *MATH 1473 Mathematics for Critical Thinking

Science 7 hours

See the General Education Requirements page for complete list. One course must be a laboratory science.

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

- HIST 1483 U.S. History 1492 to Civil War Era
- HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 32-33

Select four courses from the following: 12 hours

- NAMS 1013 Cherokee Language I
- NAMS 1023 Cherokee Language II
- NAMS 2013 Images of Indians in American Culture

- NAMS 2113 Native American Cultures
- NAMS 2213 Native American Spiritualities
- NAMS 2313 Native American Literature/Drama/Film
- NAMS/HIST 2343 Native American History
- NAMS 2513 Native American Law
- NAMS 2613 Native American Art

Select four courses from the following: 12 hours

(Any course not taken from the list of Native American Studies courses may be substituted for a course on American society.)

- HIST 1033 Oklahoma History
- HIST 1483 U.S. History 1492 to Civil War Era

or

- HIST 1493 U.S. History Civil War Era to Present
- HIST 2533 American Frontier
- HUMN 2553 American Humanities
- HUMN 2663 Hollywood's America
- HUMN 2773 American Popular Culture
- HUMN 2883 Art and Identity: Cultural Encounters in America
- RELG 2233 Religion in America
- SOCI 2113 Social Problems In America
- SOCI 2143 Minorities in America

Recommended Electives 8-9 hours

(Any course not taken from the list of General Education Requirements or the lists of Specialized Course Requirements may be taken as an elective.)

- ART 1113 Art Appreciation
- CSCI 1203 Computer Concepts and Applications
- GEOG 2153 Human Ecology
- HORT 1303 Principles of Horticulture
- HORT 1343 Plant Identification
- HUMN 2113 Humanities I
- HUMN 2223 Humanities II
- RELG 1113 Introduction to Religious Studies
- RELG/SOCI 2173 Religion and Society
- SOCI 2123 Introduction to Cultural Anthropology
- SPCH 2053 Intercultural Communication

Total Credit Hours: 60-61

*Course has prerequisite (See course description section of catalog). To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements. Physical education activity courses do not count toward the associate degree requirements in this curriculum.

MANAGEMENT

Workforce Development Degree

Program Description:

The General Management option will prepare students for a wide range of management positions. For managers already in the business world, this option will equip them with the additional management skills they need, and hone the skills they already possess. This option will help managers succeed in their current positions and prepare them for further career advancement. Major focus of this option is on improving decision-making processes, learning how to motivate members of a team, and developing new techniques to resolve conflicts. *Continued >>*

Degree Awarded: Associate in Applied Science

For More Information Contact:

Business and Information Technology Divisions:
 Northeast: (918) 595-7439, Southeast: (918) 595-7639

This program is offered at the Northeast Campus, the Southeast Campus, and on-site at corporations and organizations in the greater Tulsa area.

General Education Requirements Credit Hours: 18

Economics 3 hours

ECON 2013 Principles of Macroeconomics
 *ECON 2023 Principles of Microeconomics

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II
 *ENGL 2333 Technical/Professional Writing
 *ENGL 2343 Business Communication I

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 42

Accounting 6 hours

ACCT 2213 Financial Accounting
 *ACCT 2223 Managerial Accounting

Computer Information Systems 3 hours

CSCI 1203 Computer Concepts and Applications
or
 CSCI 1011 Introduction to Microcomputers
 and select two one credit hour software courses.

Management 12 hours

MGMT 2323 Organizational Behavior
 *MGMT 2353 Business Policy
 *MGMT 1373 Human Resources Management
and select one course from the following:

MGMT 1353 Management Essentials
 MGMT 2363 Principles of Management
 MGMT 1233 Health Care Management

Marketing 3 hours

MKTG 2423 Principles of Marketing

Controlled Electives 18 hours

*MGMT 2103 Workforce Development Internship
 MGMT 2123 Leadership Development
 MGMT 2403 Critical Thinking for Results
 MGMT 2443 Imagination, Innovation, and Creativity
 MGMT 2993 Selected Topics in Management
 BUSN 1053 Introduction to Business
 *BUSN 2213 Small Business Management

BUSN 2363 Supervisory Management
 BUSN 2333 Principles of Finance
 *ECON 2023 Principles of Microeconomics

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).

MANAGEMENT

Internship Option

Workforce Development Degree

Program Description:

Learning to do, doing to learn. That's the essence of the Management Internship option, designed not only to help students develop the managerial skills they must have to prosper in today's business world, but also to practice those skills in their own business setting. This option combines formal classroom study with a student-internship project at the student's place of employment. This option is recommended for current managers who wish to advance and need additional management training, those recently promoted to managerial positions, or those who have been identified by their employer as having managerial potential.

Degree Awarded: Associate in Applied Science

This program is offered at the Northeast Campus, the Southeast Campus, and on-site at corporations and organizations in the greater Tulsa area.

Admission to the Program:

Fulfill all admission requirements to Tulsa Community College. Arrange an advisement meeting with a program instructor and discuss the requirements for the internship classes.

General Education Requirements Credit Hours: 18

Economics 3 hours

ECON 2013 Principles of Macroeconomics
 *ECON 2023 Principles of Microeconomics

English 6 hours

*ENGL 1113 Composition I

and select 3 credit hours from the following:

*ENGL 1213 Composition II
 *ENGL 2333 Technical/Professional Writing
 *ENGL 2343 Business Communication I

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 42

Accounting 3 hours

ACCT 2213 Financial Accounting

Computer Information Systems 3 hours

CSCI 1203 Computer Concepts and Applications
or

CSCI 1011 Introduction to Microcomputers
and select two 1 credit hour software courses.

Management 18 hours

*MGMT 2323 Organizational Behavior

*MGMT 2353 Business Policy

*MGMT 1373 Human Resources Management

**MGMT 1343 Management Internship I

**MGMT 1363 Management Internship II

and select one of the following:

MGMT 1353 Management Essentials

MGMT 2363 Principles of Management

MGMT 1233 Health Care Management

Marketing 3 hours

MKTG 2423 Principles of Marketing

Controlled Electives 15 hours

*ACCT 2223 Managerial Accounting

**MGMT 2303 Management Internship III

**MGMT 2343 Management Internship IV

MGMT 2123 Leadership Development

MGMT 2403 Critical Thinking for Results

MGMT 2443 Imagination, Innovation, and Creativity

BUSN 1053 Introduction to Business

*BUSN 2213 Small Business Management

BUSN 2363 Supervisory Management

BUSN 2333 Principles of Finance

*ECON 2023 Principles of Microeconomics

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).

**All students in this program must contact a Management Program instructor prior to enrolling in one of the Management Internship courses.

MANAGEMENT**Workforce Development Certificate****Program Description:**

The General Management option will prepare students for a wide range of management positions. For managers already in the business world, this option will equip them with the additional management skills they need, and hone the skills they already possess. This option will help managers succeed in their current positions and prepare them for further career advancement. Major focus of this option is on improving decision-making processes, learning how to motivate members of a team, and developing new techniques to resolve conflicts.

Degree Awarded: Certificate of Achievement**For More Information Contact:**

Business and Information Technology Divisions:

Northeast: (918) 595-7439, Southeast: (918) 595-7639

This program is offered at the Northeast Campus, Southeast Campus, corporations, and organizations in the greater Tulsa area.

Accounting 3 hours

ACCT 2213 Financial Accounting

Computer Information Systems 3 hours

CSCI 1203 Computer Concepts and Applications
or

CSCI 1011 Introduction to Microcomputers
and select two one credit hour software courses.

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

*ENGL 2343 Business Communication I

Management 12 hours

MGMT 2323 Organizational Behavior

*MGMT 2353 Business Policy

*MGMT 1373 Human Resources Management

and select one course from the following:

MGMT 1353 Management Essentials

MGMT 2363 Principles of Management

MGMT 1233 Health Care Management

Marketing 3 hours

MKTG 2423 Principles of Marketing

Controlled Electives 3 hours

*ACCT 2223 Managerial Accounting

*MGMT 2103 Workforce Development Internship

MGMT 2123 Leadership Development

MGMT 2403 Critical Thinking for Results

MGMT 2443 Imagination, Innovation, and Creativity

MGMT 2993 Selected Topics in Management

BUSN 1053 Introduction to Business

*BUSN 2213 Small Business Management

BUSN 2363 Supervisory Management

BUSN 2333 Principles of Finance

*ECON 2013 Principles of Macroeconomics

*ECON 2023 Principles of Microeconomics

Total Credit Hours: 30

*Course has prerequisite (See course description section of catalog).

** All students in this program must contact a Management Program instructor prior to enrolling in one of the Management Internship courses.

MANAGEMENT

Internship Option

Workforce Development Certificate

Program Description:

Learning to do, doing to learn. That's the essence of the Management Internship option, designed not only to help students develop the managerial skills they must have to prosper in today's business world, but also to practice those skills in their own business setting. This option combines formal classroom study with a student-internship project at the student's place of employment. This option is recommended for current managers who wish to advance and need additional management training, those recently promoted to managerial positions, or those who have been identified by their employer as having managerial potential.

Degree Awarded: Certificate of Achievement

For More Information Contact:

Business and information Technology Divisions:
Northeast: (918) 595-7439, Southeast: (918) 595-7639

This program is offered at the Northeast Campus, the Southeast Campus, and on-site at corporations and organizations in the greater Tulsa area.

Certificate Requirements Credit Hours: 30

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

*ENGL 2343 Business Communication I

Management 18 hours

*MGMT 2323 Organizational Behavior

*MGMT 2353 Business Policy

*MGMT 1373 Human Resources Management

**MGMT 1343 Management Internship I

**MGMT 1363 Management Internship II

and select one course from the following:

MGMT 1353 Management Essentials

MGMT 2363 Principles of Management

MGMT 1233 Health Care Management

Marketing 3 hours

MKTG 2423 Principles of Marketing

Controlled Electives 3 hours

**MGMT 2303 Management Internship III

**MGMT 2343 Management Internship IV

MGMT 2123 Leadership Development

MGMT 2403 Critical Thinking for Results

MGMT 2443 Imagination, Innovation, and Creativity

BUSN 1053 Introduction to Business

*BUSN 2213 Small Business Management

BUSN 2363 Supervisory Management

BUSN 2333 Principles of Finance

Total Credit Hours: 30

*Course has prerequisite (See course description section of catalog).

**All students in this program must contact a Management Program instructor prior to enrolling in one of the Management Internship courses.

MANAGEMENT

Management Leadership

Workforce Development Certificate

Program Description:

The Management Leadership option will prepare students for a wide range management and leadership positions. For students already in the workforce, this option will equip them with the necessary skills for success in the business world, and help perfect the skills they already possess. This option will help managers and leaders succeed in their current positions, and prepare them for further career advancement. This option is designed to provide the human, practical, and conceptual skills necessary to successfully manage and lead organizations in the 21st Century.

Degree Awarded: Certificate of Achievement

For More Information Contact:

Business and Information Technology Divisions:
Northeast: (918) 595-7439, Southeast (918) 595-7639

This program is offered at the Northeast Campus, Southeast Campus, corporations, and organizations in the Greater Tulsa area.

Management 9 hours

Select two courses from the following:

MGMT 2323 Organizational Behavior

*MGMT 2353 Business Policy

*MGMT 1373 Human Resources Management

and select one course from the following:

MGMT 1353 Management Essentials

MGMT 2363 Principles of Management

MGMT 1233 Health Care Management

Marketing 3 hours

MKTG 2423 Principles of Marketing

Controlled Electives 3 hours

*MGMT 2103 Workforce Development Internship

MGMT 2123 Leadership Development

MGMT 2403 Critical Thinking for Results

MGMT 2443 Imagination, Innovation, and Creativity

MGMT 2993 Selected Topics in Management

BUSN 1053 Introduction to Business

*BUSN 2213 Small Business Management

BUSN 2363 Supervisory Management

BUSN 2333 Principles of Finance

*ECON 2023 Principles of Microeconomics

Total Credit Hours: 15

*Course has prerequisite (See course description selection of catalog).

MANUFACTURING ENGINEERING TECHNOLOGY

Workforce Development Degree

Program Description:

Tulsa Community College's Manufacturing Engineering Technology program provides the student with solid knowledge and skills in the area of applied engineering. Manufacturing Engineers create and implement the manufacturing build plan in order to take engineering designs from the drawing board to product delivery. The manufacturing build plan includes defining the requirements for facilities, equipment, special machinery, tooling, materials, manpower, and processes required to produce all of the detail parts and assemblies to make the final product. Manufacturing Engineering takes a leading role in the creation, maintenance, and improvement of the processes used in the production of every manufactured product in industry today.

Degree Awarded: Associate in Applied Science**For More Information Contact:**

Science, Math, and Engineering Technology Division:
Northeast: (918) 595-7542

General Education Requirements Credit Hours: 20-22**English 6 hours**

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

Mathematics 4-6 hours

*MATH 1454 Technical Mathematics

or

*MATH 1513 College Algebra

and

*MATH 1613 Plane Trigonometry

Physics 4 hours

*PHYS 1114 General Physics I

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 38-40**Computer Information Systems 3 hours**

Select any three credit hours of Computer Information Systems (CSCI-CSYS) Courses

Drafting & Computer Aided Design Technology 3 hours

DRFT 1323 Engineering Design with CAD

Manufacturing Engineering Technology 23 hours

ENGR 1313 Manufacturing Processes

ENGR 1363 Metallurgy

*ENGR/QCTT 1443 Geometric Dimensioning and Tolerancing

ENGR 1463 Composite Materials

ENGR 2153 Lean, Six Sigma Quality Systems

*ENGR 2462 Project Engineering and Management

*ENGR 2543 Manufacturing Engineering I

*ENGR 2643 Manufacturing Engineering II

Quality Control Technology 9 hours

QCTT 1223 Blueprint Reading

QCTT 1313 Introduction to Quality Control

*QCTT 2333 Inspection Principles

Recommended Electives Credit Hours: 0-2

DRFT 2473 Tool Design

ENGR 1111 Introduction to Engineering

*ELET 1212 Introduction to Electricity

*ELET 1223 Hydraulics and Pneumatics

MGMT 1353 Management Essentials

NCMT 1212 Introduction to Machining

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog). To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency.

MARKETING

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult either the college catalog or a transfer counselor at the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree program.

Program Description:

This program is designed to provide the student with fundamental skills, attitudes, and experience in Marketing, Communication, Customer Service, Consumer Behavior and Sales.

Degree Awarded: Associate in Science**For More Information:**

Business and Information Technology Division:

Southeast: (918) 595-7639

General Education Requirements Credit Hours: 37

See the General Education requirements page for complete list.

****Note:** CSCI 1203 Computer Concepts and Applications and SPCH

1113 Speech Communication I are highly recommended for transfer to Oklahoma universities.

Specialized Course Requirements Credit Hours: 24**Accounting 6 hours**

ACCT 2213 Financial Accounting

*ACCT 2223 Managerial Accounting

Continued >>

Economics 6 hours

ECON 2013 Principles of Macroeconomics
 *ECON 2023 Principles of Microeconomics

Marketing 9-12 hours**

MKTG 1313 Sales and Negotiations
 *MKTG 2363 Consumer Behavior
 MKTG 2423 Principles of Marketing
 MKTG 2343 Customer Service
 *MKTG 2393 Advertising and Promotion Management

Mathematics 0-3 hours**

*MATH 2193 Elementary Statistics

Total Credit Hours: 61

*Course has prerequisite (See course description section of catalog). To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

** It is highly recommended that students consult with an advisor at the college or university to which they plan to transfer when selecting these courses.

MARKETING

Merchandising Option

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult either the college catalog or a transfer counselor at the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960/ to select courses that will meet requirements for both the associate and baccalaureate degree program.

Program Description:

Merchandising degrees include the study of Marketing Principles, Drawing, Fashion Innovation Design, and Product Development. Further study of Human Development, Psychology, Sociology and Leadership are included.

Degree Awarded: Associate in Science

General Education Requirements Credit Hours: 37-38

English 6 hours

*ENGL 1113 Composition I
 *ENGL 1213 Composition II

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Science 7-8 hours

Select one course from the following:
 CHEM 1034 Practical Chemistry
 *CHEM 1114 Principles of Chemistry
 *CHEM 1315 General Chemistry I
and 3 hours of general education courses designated as science including DHM 2573, available at OSU-Tulsa.

Humanities 6 hours

Select 6 hours designated as Humanities in the General Education Requirements.

Mathematics 6 hours

*MATH 1513 College Algebra
and

**3 hours designated as Mathematics in the General Education Requirements.

Speech 3 hours

SPCH 1113 Speech Communication I

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Economics 3 hours

ECON 2013 Principles of Macroeconomics

Specialized Course Requirements Credit Hours: 27

Accounting 3 hours

ACCT 2213 Financial Accounting

Computer Science 3 hours

CSCI 1203 Computer Concepts and Applications

Sociology 3 hours

SOCI 1113 Introduction to Sociology

Management 3 hours

MGMT 2123 Leadership Development

Marketing 9 hours

MKTG 1313 Sales and Negotiations
 MKTG 2343 Customer Service
 MKTG 2423 Principles of Marketing

Human Development 3 hours

Select one course from the following:

CHLD 2003 Child Development and Parenting
 HSVC 2023 Lifespan Development
 PSYC 2023 Developmental Psychology

Total Credit Hours: 64-65

*Course has a prerequisite (See course description section of the catalog). **Students are encouraged to take MATH 2193 Elementary Statistics. To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

MARKETING

Workforce Development Degree

Program Description:

This program is designed to provide students the opportunity to engage in a hands-on approach to marketing. Participants of this program learn the essentials of marketing, how to create professional sales presentations, develop advertising campaigns, write press releases, develop marketing websites, conduct market research and much more. This program is designed to prepare the student for successful employment in a marketing position. The marketing job market remains strong with high salary potential. Graduates of the program qualify for many marketing career opportunities including assistant buyer, customer service consultant, data analyst, event coordinator,

marketing assistant, project manager, sales representative, web designer, graphic editor, and telemarketing representative. The program also allows for marketing internship opportunities.

Degree Awarded: Associate in Applied Science

For More Information Contact:

Business and Information Technology Division:
Southeast: (918) 595-7639

General Education Requirements Credit Hours: 18

Economics 3 hours

Select one course from the following:

ECON 1353 Personal Finance
ECON 2013 Principles of Macroeconomics

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II
*ENGL 2343 Business Communication I

Mathematics 3 hours

Select one course from the following:

*MATH 1513 College Algebra
BUSN 1353 Business Mathematics

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era
HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 42

Accounting 3 hours

ACCT 2213 Financial Accounting

Management 6 hours

MGMT 2123 Leadership Development
MGMT 2363 Principles of Management

Computer Information Systems 3 hours

Select 3 credit hours from any Computer Information Systems (CSYS/CSCI) courses.

Marketing 15 hours

MKTG 1313 Sales and Negotiations
MKTG/CSYS 1393 Web Design & Marketing
MKTG 2343 Customer Service
*MKTG 2393 Advertising and Promotion Management
MKTG 2423 Principles of Marketing

Controlled Electives 6 hours

Select two courses from the following:

ACCT 2223 Managerial Accounting
BUSN 1053 Introduction to Business
ECON 2023 Introduction to Microeconomics
MKTG 2993 Special Topics in Marketing
MKTG 2813 International Marketing

Select 9 hours from any of the following areas of emphasis:

General Marketing Emphasis

MKTG 2363 Consumer Behavior

MKTG 2433 Product Development

and

Select 3 credit hours from any Marketing (MKTG) course

Web Design & Marketing Emphasis

MKTG/CSYS 1443 Electronic Commerce
CSYS 1013 XHTML
CSYS 1063 Digital Image Editing

Marketing Internship Emphasis

MKTG 1403 Marketing Internship I
MKTG 1423 Marketing Internship II
MKTG 1433 Marketing Internship III

Merchandising and Fashion Design Emphasis

MKTG 1333 Fashion Innovation and Marketing
MKTG 2363 Consumer Behavior
MKTG 2433 Product Development

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).

MARKETING

Customer Service Option

Workforce Development Certificate

Program Description:

This program provides students with an overall understanding of multiple marketing elements. Students will have the opportunity to expand their understanding of customer service, professional sales, consumer behavior, and advertising. This program gives students the necessary skills to gain employment in a marketing position and to excel in this dynamic aspect of business.

Degree Awarded: Certificate of Achievement

For More Information Contact:

Business and Information Technology Division:
Southeast: (918) 595-7639

Computer Information Systems 3 hours

Select 3 credit hours from any Computer Information Systems (CSCI/CSYS) courses.

English 3 hours

Select one course from the following:

*ENGL 1113 Composition I
*ENGL 2343 Business Communication I

Management 6 hours

MGMT 2123 Leadership Development
MGMT 2363 Principles of Management

Marketing 18 hours

MKTG 1313 Sales and Negotiations
MKTG/CSYS 1393 Web Design & Marketing
MKTG 2343 Customer Service
*MKTG 2363 Consumer Behavior
MKTG 2393 Advertising and Promotional Management
MKTG 2423 Principles of Marketing

Total Credit Hours: 30

*Course has prerequisite (See course description section of catalog).

MARKETING

E-Business Option

Workforce Development Certificate

Program Description:

This certificate program includes all the fundamental elements of marketing as well as multiple elements of Computer Information Systems. Students will develop skills in customer service, professional sales, consumer behavior, advertising, and marketing principles. Students will develop skills in web-based application and website administration as well as learning some programming languages. This program provides students with fundamental marketing skills as well as the tools necessary to create marketing websites on the Internet. Students will gain the skills to be eligible for employment in a marketing or website development position.

Degree Awarded: Certificate of Achievement

For More Information Contact:

Business and Information Technology Division:
Southeast: (918) 595-7639

Marketing 12 hours

MKTG 1313 Sales and Negotiations
MKTG 2343 Customer Service
*MKTG 2393 Advertising and Promotion Management
MKTG 2423 Principles of Marketing

Computer Information Systems 6 hours

CSYS 1063 Digital Imaging Editing
CSCI 1203 Computer Concepts and Applications

Management 6 hours

MGMT 2123 Leadership Development
MGMT 2363 Principles of Management

Marketing/Computer Information Systems 6 hours

*MKTG/CSYS 1393 Web Design & Marketing
*MKTG 1443 Electronic Commerce

Total Credit Hours: 30

*Course has prerequisite (See course description section of catalog).

MATHEMATICS

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult either the college catalog or a transfer counselor at the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960 to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Program Description:

This degree is designed for the student interested in an academic field that reflects the real world through numeric patterns, geometric forms, and analytical processes. A degree in mathematics provides students with tools for lifelong learning in a wide variety of other careers. The mathematics graduate will be prepared to be involved in fields that blend quantitative skills with applied areas such as chemistry, engineering, and physics.

Degree Awarded: Associate in Science

For More Information Contact:

Science and Mathematics Division:
Metro: (918) 595-7334, Northeast: (918) 595-7542,
Southeast: (918) 595-7742, West: (918) 595-8193

General Education Requirements Credit Hours: 37

See the General Education Requirements for the complete list.

Specialized Course Requirements Credit Hours: 23-24

Mathematics 15 hours

*MATH 2114 Analytic Geometry and Calculus I
*MATH 2124 Analytic Geometry and Calculus II
*MATH 2134 Analytic Geometry and Calculus III
*MATH 2613 Elementary Differential Equations

Recommended Electives 8-9 hours

*CHEM 1315 General Chemistry I
*CHEM 1415 General Chemistry II
CSCI 1203 Computer Concepts and Applications
*MATH 1613 Plane Trigonometry
*MATH 1715 College Algebra and Trigonometry
*MATH 2193 Elementary Statistics
*PHYS 1114 General Physics I **and** *PHYS 1214 General Physics II
or
*PHYS 2034 Engineering Physics I **and** *PHYS 2124 Engineering Physics II

Total Credit Hours: 60-61

*Course has prerequisite (See course description section of catalog).

Students should select hours from the recommended field of concentration and/or recommended electives to satisfy general education requirements where possible.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements. Physical education activity courses do not count toward the associate degree requirements in this curriculum.

MEDICAL ASSISTANT

Workforce Development Certificate

Program Description:

The Medical Assistant is a Certificate of Achievement that takes three 16 week terms to complete and prepares individuals with the skills needed for both the clinical (back office) and administrative (front office) areas in a physician office or clinic setting. Clinical duties include but are not limited to: patient triage, medial record documentation, taking of vital signs, performing EKGs and X-rays, drawing blood, giving injections, basic pharmacology, wound dressing, suture

removal, performing lab tests, infection control, medical asepsis and sterilization procedures, disposal of biohazard waste, or assisting the physician with patient exams, diagnostic procedures and minor office surgery. Administrative duties include but are not limited to: confidentiality of patient information, computer applications in the medial office, telephone triage, scheduling of office, outpatient, and hospital visits, medical record preparation, filing, coding, compliance, insurance billing, patient billing, collections, accounts payable and receivable, payroll, inventory, medical office management and medical office supervision.

Accreditation:

The Medical Assistant Program at Tulsa Community College is nationally accredited by the commission on Accreditation of Allied Health Education Program (CAAHEP) upon the recommendation of the Curriculum Review Board (CRB) of the American Association of Medical Assistants' Endowment (AAMAE).

Program Information:

Prerequisites should be taken prior to admission to the program. Prospective students should submit an application for admission to Tulsa Community College and the Medical Assistant program application by May 1 each year.

Degree Awarded: Certificate of Achievement

For More Information Contact:

the Allied Health Services Division located in the Alfred M. Phillips Building, Metro Campus, Room MP 458, 909 South Boston Avenue, Tulsa, Oklahoma 74119, (918) 595-7002 for program application and any other specific information.

Procedures For Application:

1. Submit completed Tulsa Community College application for admission, high school or GED transcripts, ACT scores, and any previous technical school or college transcripts to Metro Campus Registrar at 909 South Boston Avenue, Tulsa, Oklahoma 74119.
2. All applicants must have a 2.5 GPA or better and / or an ACT of 19 or better or passing scores in all areas of the CPT. Submit completed Medical Assistant program application before May 1 to TCC Allied Health Services Division, Alfred M. Phillips Center, Room MP458, 909 South Boston Avenue, Tulsa, Oklahoma 74119.
3. All applicants must possess keyboarding by touch skills with ability to type 40 wpm on a typing test. If keyboarding skills are lacking, take BUSN 1123 and / or BUSN 1243.
4. All applicants must possess proficient computer skills with ability to pass a computer concepts and applications test or take CSCI 1203.
5. All applicants must possess current First Aid and CPR certification prior to enrollment in the medical assistant externship course.
6. Applicants selected for the program will receive a letter of acceptance through the mail.
7. All applicants must complete the prerequisite courses ALDH 1323, BIOL 1314. and CSCI 2013 with a 'C' or better prior to acceptance into the program.
8. All specialized courses in the MDAS Program must be passed with a grade of "C" or above.
9. In order to enroll in courses that include a clinical

component, students must receive clearance on a criminal background check, including sex offender registry. Potential students need to be aware that drug testing and clearance is a requirement for participation in all clinical components.

General Education Requirements Credit Hours: 10

Allied Health 3 hours

ALDH 1323 Medical Terminology

Biology 4 hours

BIOL 1314 Human Anatomy & Physiology

Computer Science 3 hours

*CSCI 2013 Word

Specialized Courses Requirements Credit Hours: 30

Medical Assistant 30 hours

*MDAS 1315 Clinical Procedures

*MDAS 1343 Medical Office Concepts and Applications

*MDAS 2234 Common Disease and Treatments

*MDAS 2243 Medical Office Financial Management and Applications

*MDAS 2336 Medical Assistant Externship

*MDAS 2346 Clinical Laboratory Procedures

*MDAS 2393 Medical Coding & Insurance Billing for the Physician Office

Total Credit Hours: 40

*Course has prerequisite (See course description section of catalog)

MEDICAL ASSISTANT

Medical Transcription Option

Workforce Development Certificate

Program Description:

The Medical Transcription program is a Certificate of Achievement that takes three (3) semesters to complete and provides the training for an individual to work as a medical transcriptionist in a hospital, medical transcription service, physician's office, clinic, laboratories, medical libraries, government medical facilities, other related health care setting or at home. Responsibilities include but are not limited to knowledge of professional ethics, confidentiality, record retention, commonly used medical report formats, basic grammar and mechanics of writing, proofreading and editing skills, computer concepts and word processing, medical terminology, human anatomy and physiology, laboratory testing, diagnostic procedures, common surgical procedures, basic pharmacology, and human disease processes.

The Medical Transcription Certificate of Achievement option of the Medical Assistant Program is not accredited by the Commission on Accreditation of Allied Health Education Programs (www.caahep.org) upon the recommendation of the Medical Assistant Education Review Board (MAERB) of the American Association of Medical Assistants Endowment (AAMAE).

Continued >>

Program Information:

Prospective students should submit an application for admission to Tulsa Community College and the Medical Transcription program by May 1 each year.

Degree Awarded: Certificate of Achievement
For more Information Contact:

Allied Health Services Division located in the Alfred M. Phillips Building, Metro Campus, Room MP 458, 909 South Boston Avenue, Tulsa, Oklahoma 74119, (918) 595-7002 for program application and any other specific information.

Procedures For Application:

1. Submit completed Tulsa Community College application for admission, high school or GED transcripts, ACT scores, and any previous technical school or college transcripts to Metro Campus Registrar at 909 South Boston Avenue, Tulsa, Oklahoma 74119.
2. All applicants must have a 2.5 GPA or better and / or an ACT of 19 or better or passing scores in all areas of the CPT.
3. Submit completed Medical Transcription Program application before May 1st to TCC Allied Health Services Division, Alfred M. Phillips Center, Room MP458, 909 South Boston Avenue, Tulsa, Oklahoma 74119.
4. All applicants, must possess keyboarding by touch skills with ability to type 40 wpm on a typing test. If keyboarding skills are lacking, take BUSN 1123 and / or BUSN 2173.
5. All applicants must possess proficient computer skills with ability to pass a computer concepts and applications test or take CSCI 1203.
6. Applicants selected for the program will receive a letter of acceptance through the mail.
7. All general education and specialized courses in the Medical Transcription Program must be passed with a grade of "C" or above.
8. In order to enroll in courses that include a clinical component, students must receive clearance on a criminal background check, including sex offender registry. Potential students need to be aware that drug testing and clearance is a requirement for participation in all clinical components.

General Education Requirements Credit Hours: 13
Allied Health 3 hours

ALDH 1323 Medical Terminology

Biology 4 hours

BIOL 1314 Human Anatomy & Physiology

Computer Science 3 hours

CSCI 2013 Word

English 3 hours

ENGL 1083 Grammar and Mechanics

Specialized Course Requirements Credit Hours: 20
Medical Transcription 20 hours

- *MDAS 2234 Common Diseases and Treatments
- *MDTR 2305 Medical Transcription I
- *MDTR 2315 Medical Transcription II
- *MDTR 2436 Medical Transcription Externship

Total Credit Hours: 33

*Course has prerequisite (See course description section of catalog.)

MEDICAL LABORATORY TECHNOLOGY
Workforce Development Degree

Program Description:

This program prepares the student to perform tests and related duties in a medical laboratory with the supervision of a medical technologist. The Medical Laboratory Technician Program is accredited by the National Accrediting Agency for Clinical Laboratory Sciences. Upon successful completion of the program, students may sit for the National Registry sponsored by the American Society of Clinical Pathology.

Degree Awarded: Associate in Applied Science
For More Information Contact:

Health Sciences at Southeast Campus:
(918) 595-8632 for program application form and any specific program information.

Procedures For Application:

1. Submit completed program application form and required materials by July 15th to Health Sciences at Southeast Campus, room 8263.
2. All prospective Medical Laboratory technology program students must complete an application for enrollment to the College, submit their high school transcript, ACT scores and previous college transcripts to the Southeast Campus Registrar at 10300 E 81st, Tulsa, OK 74133. Incomplete submissions will not be considered for admission into the Medical Laboratory Technology program.
3. Acceptance to Tulsa Community College does not guarantee admission into the Medical Laboratory Technology program.
4. Eligible applicants to be interviewed for consideration into the Medical Laboratory Technology program will be notified by mail. All interviewed applicants will be notified by mail regarding their selection status.
5. In order to enroll in courses that include a clinical component and are part of the program degree plan, students must receive clearance on a criminal background check, including sex offender registry. Potential students need to be aware that drug testing and clearance is a requirement for participation in all clinical components.

General Education Requirements Credit Hours: 28
Biology 8 hours

°BIOL 1314 Human Anatomy and Physiology

°*BIOL 2164 Microbiology

Chemistry 5 hours

°*CHEM 1315 General Chemistry I

English 6 hours

*ENGL 1113 Composition I

*ENGL 1213 Composition II

Psychology or Sociology 3 hours

PSYC 1113 Introduction to Psychology

SOCI 1113 Introduction to Sociology

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 41

Medical Laboratory Technology 41 hours

+MDLT 1203 Phlebotomy
 +MDLT 1212 Introduction to Medical Laboratory Technology
 +^{o*}MDLT 1222 Phlebotomy Clinical
^{o*}MDLT 2305 Basic Hematology
^{o*}MDLT 2344 Clinical Chemistry I
^{o*}MDLT 2365 Clinical Chemistry II
^{o*}MDLT 2395 Clinical Microbiology
^{o*}MDLT 2426 Urinalysis, Immunology and Blood Banking
^{o*}MDLT 2434 Clinical Practicum I
^{o*}MDLT 2465 Clinical Practicum II

Total Credit Hours: 69

* Course has prerequisite (See course description section of catalog).
^o Course must be completed with a "C" or above.
 + Course must be taken concurrently.

4. Eligible applicants to be interviewed will be notified by mail for consideration for admission into the Medical Laboratory Technology Phlebotomy program. All interviewed applicants will be notified by mail regarding their selection status.
 5. In order to enroll in courses that include a clinical component and are part of the program degree plan, students must receive clearance on a criminal background check, including sex offender registry. Potential students need to be aware that drug testing and clearance is a requirement for participation in all clinical components.

Medical Laboratory Technology 7 hours

^o+MDLT 1203 Phlebotomy
^{**}+MDLT 1212 Introduction to Medical Laboratory Technology
^{o*}+MDLT 1222 Phlebotomy Clinical

Total Credit Hours: 7

*Course has prerequisite (See course description section of catalog).
^o Course must be completed with a "C" or above.
 ** Course required for Medical Laboratory Technology majors.
 + Course must be taken concurrently.

MEDICAL LABORATORY TECHNOLOGY

Phlebotomy Option

Workforce Development Certificate

Program Description:

This option is for phlebotomy trainees and professionals new to the medical laboratory technology field who need to rapidly acquire phlebotomy (the drawing of blood) skills, as well as acquire a comprehensive overview of the key areas of the clinical laboratory to include specimen processing. The Phlebotomy Program is approved through the National Accrediting Agency for Clinical Laboratory Sciences. Graduates with a phlebotomy certificate may apply for the National Phlebotomy Registry examination through the American Society of Clinical Pathology.

Degree Awarded: Certificate of Achievement

For More Information Contact:

Health Sciences at Southeast Campus:
 (918) 595-8632 for program application form and any specific program information.

Procedures For Application:

1. Submit completed program application form and required materials by July 15th and November 15th to Health Sciences located at Southeast Campus, room 8263.
2. All prospective Medical Laboratory Technology Phlebotomy program, students must complete an application for enrollment to the College, submit their high school transcript, ACT scores and previous college transcripts to the Southeast Campus Registrar at 10300 E 81st, Tulsa, OK 74133. Incomplete submissions will not be considered for admission into the Medical Laboratory Technology Phlebotomy program.
3. Acceptance to Tulsa Community College does not guarantee admission into the Medical Laboratory Technology Phlebotomy program.

MUSIC

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult either the college catalog or a transfer counselor at the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960 to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Program Description:

This program is designed to create a solid musical foundation in our students enabling them to transfer into four-year colleges and universities to pursue a baccalaureate degree in music. The program is also an appropriate course of study for individuals preparing for one of the many careers in music which do not require a baccalaureate degree or for personal enrichment. Skill enhancement and depth are provided by course work in applied music performance ensembles, music theory, music literature, keyboard, computer music composition, and private lessons. Students have the opportunity to broaden the scope of their classroom education by participation in performance groups including the Concert Choir, Show Choir, Concert Band, Jazz Band, Orchestra, and chamber ensembles. The music degree program is supported by a substantial performing arts facility which includes a music recording studio, practice rooms, a MIDI keyboard laboratory, and choral and instrumental rehearsal halls. Most music programs are presented at the state-of-the-art VanTrease Performing Arts Center for Education.

Degree Awarded: Associate in Arts

For More Information Contact:

Continued >>

Performing Arts Division: Southeast: (918) 595-7752
 TCC Music Office: Southeast: (918) 595-8698

General Education Requirements Credit Hours: 28

See the General Education Requirements for the complete list. Recommended electives and required electives are satisfied in the Specialized Course Requirements.

Specialized Course Requirements Credit Hours: 35-43

Performance Ensemble 4 hours

A music major must enroll in at least one of these each 16-week term. Substitutions may be made only with Dean's approval.

- *MUSC 1541 Orchestra
- MUSC 1551 Concert Choir
- *MUSC 1651 Concert Band

Applied Music Lessons on Primary Instrument 8 hours

- ** MUSC 1200-1490 Private Lessons
- ** MUSC 2200-2240 Private Lessons

Piano 0-8 hours

A music major must be proficient in or enrolled in:

- MUSC 1612 Class Piano I
- *MUSC 1622 Class Piano II
- *MUSC 1632 Class Piano III
- *MUSC 1642 Class Piano IV

Theory & History 23 hours

- *MUSC 1013 Music Theory I
- *MUSC 1023 Music Theory II
- *MUSC 1062 Aural Theory I
- *MUSC 1072 Aural Theory II
- *MUSC 2013 Music Theory III
- *MUSC 2023 Music Theory IV
- *MUSC 2062 Aural Theory III
- *MUSC 2072 Aural Theory IV
- *MUSC 2133 Introduction to History and Literature of Music

Additional Recommended Courses

(Not required for degree)

- MUSC 1002 Fundamentals of Music
- MUSC 1053 Recording Studio Techniques I
- MUSC 1113 Music Appreciation
- *MUSC 1142 Computer Music Techniques I
- MUSC 1153 American Popular Music
- MUSC 1171 Beginning Guitar
- MUSC 1181 Percussion Class
- MUSC 1512 Voice Class
- *MUSC 1562 Musical Theatre
- *MUSC 1661 Jazz Band
- *MUSC 1711 Brass Ensemble
- *MUSC 1721 Woodwind Ensemble
- *MUSC 1731 Guitar Ensemble
- *MUSC 1761 String Ensemble
- *MUSC 1771 Percussion Ensemble
- *MUSC 1781 Chamber Ensemble
- *MUSC 1791 Jazz Combo

- MUSC 1801 Jazz Lab
- MUSC 2161 Cello Choir
- *MUSC 2181 Show Choir
- *MUSC 2223 Recording Studio Techniques II
- *MUSC 2333 Music Internship

Total Credit Hours: 63-71

*Course has prerequisite (See course description section of catalog).

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

** Music majors at four-year colleges/universities are required to take 2 credit hours of private instruction per 16-week term.

Scholarships may be available. Please contact the music office at 595-8698.

NURSING PROGRAMS

Setting the standard of nursing excellence for our community, TCC's Nursing Programs have provided Tulsa and northeastern Oklahoma with thousands of excellent nursing professionals. With programs ranging from one to nine semesters, including Patient Care Technician, and the Certified Nursing Assistant (CNA), Career Ladder/Geriatric Technician.

NURSING

TCC Associate Degree Nursing Program

Program Description:

Tulsa Community College offers a five-semester Nursing Program that is accredited by the National League for Nursing Accrediting Commission (NLNAC) and approved by the Oklahoma Board of Nursing. The graduate receives an Associate Degree in Applied Science and is eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). All potential nursing students must have two (2) applications on file. The application to the College must be on file in the Enrollment Services Office. The application for the Nursing Program must be submitted to the Nursing Division office, Metro Campus. These applications are available online at www.tulsacc.edu/nursing.

Degree Awarded: Associate in Applied Science

For More Information Contact:

Nursing Division: Metro: (918) 595-7188

TRADITIONAL NURSING PROGRAM

The Traditional Nursing Program admits a new class each fall and each spring semester. The Traditional Nursing Program consists of five semesters to complete an Associate Degree, with most courses offered during the daytime hours.

General Education Requirements Credit Hours: 38

English 6 hours

- +*ENGL 1113 Composition I
- *ENGL 1213 Composition II

Social Science 6 hours

- POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Psychology 6 hours

+PSYC 1113 Introduction to Psychology
 *PSYC 2023 Developmental Psychology

Science 20 hours

+BIOL 1224 Introduction to Biology for Majors
 +*BIOL 2134 Human Anatomy
 *BIOL 2154 Human Physiology
 *BIOL 2164 Microbiology
 +*CHEM 1114 Principles of Chemistry

Specialized Course Requirements Credit Hours: 34**Nursing 34 hours**

(Enrollment requires admission to Nursing Program)

*NURS 1401 Nursing Issues & Perspectives I
 *NURS 1421 Nursing Issues & Perspectives II
 *NURS 1431 Introduction to Pharmacology and Dosage Calculations
 *NURS 1446 Foundations of Nursing Practice
 *NURS 1457 Nursing of Adults w/Major Health Disruptions
 *NURS 2423 Nursing of Childbearing Families
 *NURS 2433 Nursing of Children and Their Families
 *NURS 2453 Nursing Promotion of Quality of Life
 *NURS 2512 Psychiatric/Mental Health Nursing
 *NURS 2564 Advanced Medical Surgical Nursing
 *NURS 2543 Transition to Novice Nurse

Total Credit Hours 72

*Has prerequisite/corequisite (See course description section of catalog.)

+Prerequisite course

Additional Nursing Courses/Electives

(not required for degree)

NURS 1003 Academic Strategies in Nursing
 NURS 1013 Critical Thinking & Decision Making
 NURS 1023 Stress Management
 NURS 1033 HON Nursing Policy & Politics
 NURS 1043 Nursing Informatics
 NURS 1073 HON Service Learning in Nursing
 *NURS 2303 Pharmacology
 NURS 2403 Dosage Calculations for Nurses
 NURS 2993 Selected Topics in Nursing

APPLICATION TO THE NURSING PROGRAM

Applicants become qualified for admission based on achievement of Nursing Program admission criteria by the application deadline date. Admission criteria are listed in the Program application. Deadlines for submitting the nursing applications are the last Friday in February for the fall semester class (or summer semester for Part-time Program or LPN-RN) and the second Friday in September for the spring semester class. All applicants are notified of their admission status, in writing, within ten (10) to twelve (12) weeks of the application deadline dates. The admission decision is based on a ranking process (see

the Nursing Application Packet). Students who are accepted to the Nursing Program must meet the following program and curriculum prerequisites prior to beginning nursing courses:

1. Attend Program Enrollment and Orientation sessions.
2. Earn required minimum scores on the entry tests. (See the Nursing Application Packet for specific information related to nursing entry testing.)
3. Complete the following prerequisite semester courses of general education classes with a grade of "C" or higher.
 - ENGL 1113 Composition I
 - *CHEM 1114 Principles of Chemistry
 - PSYC 1113 Introduction to Psychology
 - *BIOL 2134 Human Anatomy
 - BIOL 1224 Introduction to Biology for Majors

4. Provide documentation of Certification as a Nurse Assistant (CNA) or acceptable substitute. Demonstrate competency in CNA skills. (See Nursing Application Packet.)

5. Students must make a minimum of "C" in all courses required at each level of the curriculum pattern for continued enrollment and graduation in the Nursing Program. See course descriptions for pre- and corequisite course requirements. A Nursing Program Curriculum Plan is available in the Nursing Division Office.

6. Admission to Tulsa Community College does not guarantee admission to the Nursing Program. To be admitted to the Nursing Program and to remain in the program, the student must be in "good standing" at TCC.

7. See Nursing Administration Application packet for specific requirements related to criminal background check, health record requirements, and CPR certification. Potential students need to be aware that they may not be approved by the Oklahoma Board of Nursing to take the NCLEX-RN licensure examination if they have:

- 1) Been arrested/convicted of any offense including a deferred sentence.
- 2) Been declared judicially incompetent.
- 3) Ever been convicted of a felony.
- 4) Ever had disciplinary action taken against another health related license. Those needing other information regarding this topic can obtain a copy of Guidelines for NCLEX Candidates with History of Arrests, Convictions, or prior Disciplinary Action in the Metro Campus Nursing Division office.

The Tulsa Community College Nursing Program is approved by the Oklahoma Board of Nursing. Graduates of this state-approved program are eligible to apply to write the National Council Licensure Examination (NCLEX) for registered nurses. Applicants for Oklahoma licensure must meet all state and federal requirements to hold an Oklahoma license to practice nursing. In addition to completing a state-approved nursing education program that meets educational requirements and successfully passing the licensure examination, requirements include submission of an application for licensure, a criminal history records search, and evidence of citizenship or qualified alien status. Applicants for practical nurse licensure must also hold a high school diploma or a graduate equivalency degree

Continued >>

(G.E.D.) [59 O.S. §567.5 & 567.6]. To be granted a license, an applicant must have the legal right to be in the United States (United States Code Chapter 8, Section 1621). In addition, Oklahoma law only allows a license to be issued to U.S. citizens, U.S. nationals, and legal permanent resident aliens. Other qualified aliens may be issued a temporary license that is valid until the expiration of their visa status, or if there is no expiration date, for one year. Applicants who are qualified aliens must present to the Board office, in person, valid documentary evidence of:

1. A valid, unexpired immigrant or nonimmigrant visa status for admission into the United States;
 2. A pending or approved application for asylum in the United States;
 3. Admission into the United States in refugee status;
 4. A pending or approved application for temporary protected status in the United States;
 5. Approved deferred action status; or
 6. A pending application for adjustment of status to legal permanent resident status or conditional resident status.
- The Board has the right to deny a license to an individual with a history of criminal background, disciplinary action on another health-related license or certification, or judicial declaration of mental incompetence [59 O.S. §567.8]. These cases are considered on an individual basis at the time application for licensure is made, with the exception of felony convictions. An individual with a felony conviction cannot apply for licensure for at least five years after completion of all sentencing terms, including probation and suspended sentences, unless a presidential or gubernatorial pardon is received [59 O.S. §567.5 & 567.6]

PART-TIME NURSING PROGRAM

The Part-time Nursing Program admits a new class each summer semester. Applicants must meet the admission criteria for the Traditional Program. The deadline for submitting applications is the last Friday in February. All applicants are notified of their admission status, in writing, within ten (10) to twelve (12) weeks of the application deadline dates. The admission decision is based on a ranking process. See the Nursing Application Packet.

Prerequisite Courses

- +*ENGL 1113 Composition I
- +PSYC 1113 Introduction to Psychology
- BIOL 1224 Introduction to Biology for Majors
- +*CHEM 1114 Principles of Chemistry
- +*BIOL 2134 Human Anatomy

Summer-Year 1-Semester 1

- NURS 1401 Nursing Issues & Perspectives I
- NURS 1431 Introduction to Pharmacology and Dosage Calculations
- *BIOL 2154 Human Physiology

or

- *ENGL 1213 Composition II

Fall-Year 1-Semester 2

- *BIOL 2154 Human Physiology

or

- *ENGL 1213 Composition II
- *NURS 1446 Foundations of Nursing Practice

Spring-Year 1-Semester 3

- *BIOL 2164 Microbiology
- *NURS 1454 Nursing of Adults w/Major Health Disruptions 1

Summer-Year 2-Semester 1

- *PSYC 2023 Developmental Psychology
- *#NURS 1421 Nursing Issues & Perspectives II

Fall-Year 2-Semester 2

- *NURS 1453 Nursing of Adults w/ Major Health Disruptions 2
- *#NURS 1421 Nursing Issues & Perspectives II

Spring-Year 2-Semester 3

- *NURS 2423 Nursing of Childbearing Families
- *NURS 2433 Nursing of Children and Their Families

Summer-Year 3-Semester 1

- POLS 1113 American Federal Government
- *NURS 2453 Nursing Promotion of Quality of Life

Fall-Year 3-Semester 2

- HIST 1483 U.S. History 1492 to Civil War Era

or

- HIST 1493 U.S. History Civil War Era to Present
- *NURS 2512 Psychiatric/Mental Health Nursing
- *NURS 2543 Transition to Novice Nursing

Spring-Year 3-Semester 3

- *NURS 2564 Advanced Medical Surgical Nursing

Total Credit Hours: 72

*Course has prerequisite/corequisite (See course description section of catalog).

+ Prerequisite course.

Student has the option to take NURS 1421 in the Summer or Fall Semester.

LPN ADVANCED PLACEMENT TRACK

The TCC Nursing Program offers an Advanced Placement Track for Licensed Practical Nurses (LPN) which allows for completion of nursing courses in as few as two or three semesters. To facilitate the progression of the working LPN, the courses of the Advanced Placement Track are offered using on-line resources and some on-campus classroom and laboratory activities. Clinical rotations are typically during evening and weekend hours. The courses will consist of classroom, lab/clinical and blended/hybrid (Internet-based). Students in the Advanced Placement Track, must have access to a personal computer with broadband or DSL ISP (Internet Service Provider). The first course, NURS 1393 LPN Bridge, may be offered each semester based on demand. After successful completion of NURS 1393, the student will be eligible to enter Level 3 Nursing courses or may be eligible to receive advanced standing based on review of standardized testing results (contact the Nursing Division Office for advanced placement testing information) and enter Level 4 classes. Upon successful completion of Level 4 and TCC graduation requirements, graduates receive an Associate in

Applied Science and are eligible to take the National Council Licensure Examination for Registered Nurses (NCLEX-RN). LPNs interested in pursuing a degree through advanced placement should contact the Nursing Division office for an application and curriculum plan or access the Nursing Division web page (www.tulsacc.edu/nursing) for more information.

General Education Requirements Credit Hours: 38

English 6 hours

+*ENGL 1113 Composition I

*ENGL 1213 Composition II

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Psychology 6 hours

+PSYC 1113 Introduction to Psychology

*PSYC 2023 Developmental Psychology

Science 20 hours

+BIOL 1224 Introduction to Biology for Majors

+*BIOL 2134 Human Anatomy

*BIOL 2154 Human Physiology

*BIOL 2164 Microbiology

+*CHEM 1114 Principles of Chemistry

Specialized Course Requirements Credit Hours: 37

Articulation or Substitution Credit Nursing 19 hours

*NURS 1401 Nursing Issues & Perspectives I

*NURS 1421 Nursing Issues & Perspectives II

*NURS 1431 Introduction to Pharmacology and Dosage Calculations

*NURS 1446 Foundations of Nursing Practice

*NURS 1457 Nursing of Adults w/Major Health Disruptions

*NURS 2453 Nursing Promotion of Quality of Life

Nursing 18 hours

Enrollment requires admission to Nursing Program

*NURS 1393 LPN Bridge

*NURS 2423 Nursing of Childbearing Families

*NURS 2433 Nursing of Children and their Families

*NURS 2512 Psychiatric/Mental Health Nursing

*NURS 2564 Advanced Medical Surgical Nursing

*NURS 2543 Transition to Novice Nurse

Total Credit Hours 75

*Has prerequisite/corequisite (See course description section of catalog.)

+Prerequisite course

Additional Nursing Courses/Electives

NURS 1003 Academic Strategies in Nursing

NURS 1013 Critical Thinking & Decision Making

NURS 1023 Stress Management

NURS 1033 HON Nursing Policy & Politics

NURS 1043 Nursing Informatics

NURS 1073 HON Service Learning in Nursing

*NURS 2303 Pharmacology

NURS 2403 Dosage Calculations for Nurses

NURS 2993 Selected Topics in Nursing

BSN ARTICULATION OPTION

BSN Articulation Option

In addition to the general education courses required for entry and progression in the TCC Nursing Program, these courses provide the foundation for admission into many RN-BSN programs upon completion of TCC's Nursing Program.

Humanities 6 hours

Humanities requirements vary by BSN program. Please contact Academic Counselor for recommendations for specific programs.

Mathematics 3 hours

*MATH 2193 Elementary Statistics

Social Science 6 hours

SOCI 1113 Introduction to Sociology

SOCI 2123 Introduction to Cultural Anthropology

Sciences 8 hours

BIOL 1383 Nutrition

*CHEM 1315 General Chemistry I (may be substituted for Nursing prerequisite)

Most BSN programs require additional electives representing non-nursing courses for a total of up to 64-67 general education credits.

NURSING

Pre-Nursing - University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult either the college catalog or a transfer counselor at the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960 to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Science

For More Information Contact:

Nursing Division: Metro (918) 595-7188

Science and Mathematics Division: Metro: (918) 595-7334

Northeast: (918) 595-7542, Southeast: (918) 595-7742

West: (918) 595-8193

General Education Requirements Credit Hours: 24

See the General Education Requirements for the complete list. Science and Mathematics and 3 hours general education elective requirements satisfied in Specialized Course Requirements section.

English 6 Hours

ENGL 1113 Composition I

ENGL 1213 Composition II

Continued >>

Social Science 6 Hours

POLS 1113 American Federal Government

And select one course from the following

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Humanities 6 hours

See the General Education Requirements for complete list.

Psychology 6 hours

PSYC 1113 Introduction to Psychology

*PSYC 2023 Developmental Psychology

Specialized Course Requirements Credit hours: 36
Mathematics 6 hours

*MATH 1513 College Algebra

*MATH 2193 Elementary Statistics

Science 24 hours

BIOL 1224 Introduction to Biology for Majors

BIOL 1383 Nutrition

*BIOL 2134 Human Anatomy

*BIOL 2154 Human Physiology

*BIOL 2164 Microbiology

*CHEM 1315 General Chemistry I

Controlled Electives 6 hours
Select classes that will apply to the university of your choice:

BUSN 1053 Introduction to Business

CSCI 1203 Computer Concepts and Applications

*CSCI 2033 Excel

*ENGL 2383 Advanced Composition

*MATH 2513 Finite Mathematics

SOCI 1113 Introduction to Sociology

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).

To receive an A.A. or A.S. Degree, students must demonstrate

computer proficiency. Please see page 22 for complete requirements.

NOTE: Consult an advisor at the 4-year institution for prerequisite and

application information.

NUTRITIONAL SCIENCES

University Transfer Degree

University Transfer Degree Information:

This curriculum includes courses designed for students planning to transfer to a degree program in Nutritional Sciences at a baccalaureate college, or university. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960 to select courses that will meet requirements for both the associate and baccalaureate degree programs.

Program Description:

The Nutritional Sciences program prepares students to work in a wide range of settings, in the public and private sectors and assume an array of challenging responsibilities. Career opportunities for a registered/licensed dietitian include:

health care dietitian and administrator, nutrition or food science researcher, fitness/wellness consultant, public health nutritionist, entrepreneur in dietetic programs and services, and corporate dietitian /nutritionist.

- The **allied health** option is for students who desire to work in the field of foods and nutrition, but do not plan to become a registered dietitian. The allied health option provides course work that is required for most nursing schools, physician assistant's programs, schools of physical and occupational therapy and other health professions.
- The **community nutrition** option is for students who desire to work in the field of foods and nutrition, but do not plan to become a registered dietitian. The community nutrition option provides emphasis in international nutrition and nutrition education.
- The **dietetics** option prepares students for diverse and dynamic professions that integrate human nutrition, food service administration, food science, chemistry, physiology, management and interpersonal skills. Students will be able to transfer to an Oklahoma university and complete course work that meets the Didactic Program in Dietetics (DPA) and is approved by the American Dietetic Association (ADA). When students successfully complete the academic requirements (DPA) and experience component (dietetic internship), they are eligible for the Registration Examination for Dietitians administered by the Commission on Dietetic Registration of the American Dietetic Association (ADA). Individuals who are successful on the examination become registered dietitians and are entitled to use the initials "R.D." to signify professional competence. Many states including Oklahoma also require a license to practice dietetics in the state.
- The **dietetics and exercise** option prepares students for diverse and dynamic professions that integrate human nutrition, food service administration, food science, chemistry, physiology, management and interpersonal skills. Students will be able to transfer to an Oklahoma university and complete course work that meets the requirements for both the Didactic Program in Dietetics (DPA) and for the American College of Sports Medicine allowing them to become a Certified Exercise Specialist, (this certification requires more than 600 hours of practicum experience not offered in this option).
- The **nutrition and exercise** option is for students who desire work in the field of foods and nutrition, but do not plan to become a registered dietitian. The nutrition and exercise option meets the course work requirements to become a certified Exercise Specialist through the American College of Sports Medicine (this certification requires more than 600 hours of practicum experience not offered in this option).

Degree Awarded: Associate in Science
For More Information Contact:

Science, Mathematics, and Engineering, Northeast Campus:
(918) 595-7542

General Education Requirements Credit Hours: 44
English 6 hours

*ENGL 1113 Composition I

*ENGL 1213 Composition II

Humanities 6 hours

See the General Education Requirements for complete list.

Mathematics 6 hours

*MATH 1513 College Algebra

*MATH 2193 Elementary Statistics

Science 14 hours

BIOL 1224 Introduction to Biology for Majors

*CHEM 1315 General Chemistry I

*CHEM 1415 General Chemistry II

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Specialized Course Requirements Credit Hours: 16-22

Nutrition Core 9 hours

BIOL 1383 Nutrition

HSVC 1113 Principles of Human Services

HSVC 2023 Lifespan Development

Select from one of the following five (5) options:

1) Allied Health Option 7 hours

*BIOL 2164 Microbiology

PHED 2603 Total Wellness

2) Community Nutrition Option 10 hours

ECON 1353 Personal Finance

PHED 2111 Professional Career and Nutritional Sciences

PHED 2263 Principles in Health and Health Promotion

PHED 2603 Total Wellness

3) Dietetics Option 8 hours

ACCT 2213 Financial Accounting

*BIOL 2164 Microbiology

PHED 2111 Professional Career and Nutritional Sciences

4) Dietetics and Exercise Option 13 hours

ACCT 2213 Financial Accounting

*BIOL 2164 Microbiology

PHED 2111 Professional Career and Nutritional Sciences

**PHED 2212 First Aid

PHED 2653 Applied Anatomy and Kinesiology

5) Nutrition and Exercise Option 7 hours

PHED 2111 Professional Career and Nutritional Sciences

PHED 2603 Total Wellness

PHED 2653 Applied Anatomy and Kinesiology

Total Credit Hours: 60-66

*Course has prerequisite (See course description section of catalog).

**Current Certification-Advanced Credit

To receive an A.A. or A.S. degree, students must demonstrate computer proficiency.

Transfer admission requirement: 2.5 GPA

OCCUPATIONAL THERAPY ASSISTANT

Workforce Development Degree

Program Description:

This program is designed to prepare a student to perform occupational therapy procedures and related tasks under the direction and supervision of a Registered Occupational Therapist. The Occupational Therapy Assistant performs various treatment procedures delegated by the Registered Occupational Therapist to patients with physical, psychological, or cognitive disabilities. The Assistant also will work independently in programs to prevent disability and maintain health, such as Activity Director.

Degree Awarded: Associate in Applied Science

For More Information Contact:

Allied Health Services Division at Metro Campus: (918) 595-7002 for program application form and any specific program information.

The Occupational Therapy Assistant Program is accredited by the Accreditation Council for Occupational Therapy Education (ACOTE) of the American Occupational Therapy Association (AOTA), located at 4720 Montgomery Lane, P.O. Box 31220, Bethesda, MD 20824-1220. AOTAs phone number is (301) 652-2682 (Website: www.aota.org).

Graduates of the program will be able to sit for the national certification examination for the occupational therapy assistant administered by the National Board for Certification in Occupational Therapy (NBCOT). The total number of graduates who passed the National Board of Certification in Occupational Therapy (NBCOT) certification examination as first-time new graduate takers in 2008-2010 was 40 out of 41, which is a pass rate of 97.5%. During this 3-year period, the program had 41 graduates. After successful completion of this exam, the individual will be a Certified Occupational Therapy Assistant (COTA). Most states require licensure in order to practice; however, state licenses are usually based on the results of the NBCOT Certification Examination.

Admission To The Program:

The program admits one class of 20 students each year in the summer term. Prospective students are required to complete the application process by January 15 of each year.

Procedures for Application:

1. Submit completed program application form and required materials by January 15 to the Allied Health Services Division located in the Alfred M. Philips Building, room MP458, 909 South Boston Avenue, Tulsa, OK 74119.
2. All prospective Occupational Therapy Assistant program students must complete an application for enrollment to the College, submit their high school transcripts, ACT scores and previous college

Continued >>

transcripts to the Metro Campus Registrar's Office at 909 South Boston Avenue, Tulsa, OK 74119. Incomplete submissions will not be considered for admission into the Occupational Therapy Assistant program.

3. Acceptance to Tulsa Community College does not guarantee admission to the Occupational Therapy Assistant program.
4. Interviews will be granted to applicants who meet the programs minimum requirements. All interviewed applicants will be notified by mail regarding their selection status.
5. In order to enroll in courses that include a clinical component and are part of the program degree plan, students must receive clearance on a criminal background check, including sex offender registry. Potential students need to be aware that drug testing and clearance is a requirement for participation in all clinical components.

General Education Requirements Credit Hours: 22

Biology 4 hours

◦BIOL 1314 Human Anatomy and Physiology

English 6 hours

*ENGL 1113 Composition I

*ENGL 1213 Composition II

Psychology 6 hours

PSYC 1113 Introduction to Psychology

and select one course from the following:

*PSYC 2023 Developmental Psychology

*PSYC 2193 Personality Theories

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 46

Occupational Therapy Assistant 46 hours

◦OTA 1203 Introduction to Occupational Therapy

◦*OCTA 1293 Introduction to Occupational Therapy II

◦*OCTA 1303 Clinical Conditions, Terminology, and Skills

◦*OCTA 1352 Neuro Anatomy and Physiology for OTAs

◦*OCTA 1363 Applied Anatomy for OTAs

◦*OCTA 1403 Therapeutic Media

◦*OCTA 1483 Physical Disabilities

◦*OCTA 1443 Psychosocial Theory and Practice

◦*OCTA 1502 Fieldwork I

◦*OCTA 2203 Therapeutic Adaptations

◦*OCTA 2233 Developmental Disabilities Theory and Practice

◦*OCTA 2263 Current Trends in Occupational Therapy

◦*OCTA 2356 Fieldwork II A

◦*OCTA 2376 Fieldwork II B

Total Credit Hours: 68

*Course has prerequisite (See course description section of catalog).

◦ Course must be completed with a "C" or above.

It is recommended that students intending to pursue a Master's degree in Occupational Therapy counsel with an OCTA faculty member to select appropriate electives.

NOTE: When you apply to write the certification examination with the National Board for Certification in Occupational Therapy (NBCOT), you

will be asked to answer questions related to the topic of felonies. For further information on these limitations, you may contact the NBCOT at: National Board for Certification in Occupational Therapy 4720 Montgomery Lane P. O. Box 31220 Bethesda, MD 20824-1220 .

PARALEGAL

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960 to select courses that will meet the requirements for both the associate and baccalaureate degree programs.

Program Description:

Upon satisfactory completion of the course requirements, including a grade of "C" or better in all Paralegal courses, graduates are eligible to apply for the examination given by the National Association of Legal Assistants, Inc. to become Certified Legal Assistants (CLA). Tulsa Community College is a member of the American Association for Paralegal Education.

Degree Awarded: Associate in Arts

For More Information Contact:

Business and Information Technology Division:
Metro Campus: (918) 595-7439

Paralegal Program Coordinator: (918) 595-7317

ADMISSION TO THE PROGRAM

1. Complete all admission requirements to Tulsa Community College.

2. Complete all admission requirements to the Paralegal Program.

a. Complete Paralegal Application. (Available in the Business and Technology Division Office, Metro Campus, MC 416)

b. Furnish copies of all transcripts to the program director with application.

Tulsa Community College will refuse program completion credit for legal specialty courses taken more than six years prior to completion of the program, unless the student's proficiency in the area can be demonstrated.

General Education Requirements Credit Hours: 34

English 6 hours

*ENGL 1113 Composition I

*ENGL 1213 Composition II

Humanities 6 hours

See the General Education Requirements page for complete list.

Mathematics 3 hours

MATH 1513 College Algebra
or higher level MATH course

Science 7 hours

See the General Education Requirements page for complete list
One course must be laboratory.

Social Science 6 hours

POLS 1113 American Federal Government

and select one of the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Speech 3 hours

SPCH 1113 Speech Communication I

Required Electives 3 hours

Select 3 credit hours from the following disciplines: Psychology, Social Sciences, Foreign Languages, Fine Arts (Art, Music, Theatre). See General Education Requirements.

Specialized Course Requirements Credit Hours 27**Accounting 3 hours**

ACCT 2213 Financial Accounting

Paralegal 21 hours

Students are required to earn a "C" or better in all Paralegal Courses

*PLGL 1213 Introduction to the Legal System

*PLGL 1313 Civil Procedure I

*PLGL 2303 Civil Procedure II

*PLGL 2333 Introduction to Legal Research and Writing

*PLGL 2343 Advanced Legal Research and Writing

*PLGL 2353 Contracts

*PLGL 2363 Real Property Law

Controlled Electives 3 hours

Select 3 credit hours from the following: Economics, Geography, Nutrition, Business Law, Math or ENGL 2343 which is highly recommended for students with no office experience.

Total Credit Hours: 61

*Course has prerequisite (See course description section of catalog). To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

PARALEGAL
Workforce Development Degree

Program Description:

This program is designed to prepare graduates to work as professional assistants under the supervision of attorneys, with training in civil procedure, legal research and writing, drafting of documents, interviewing techniques, litigation support, computer use in the law, and law office systems management. Students acquire additional knowledge of various substantive and procedural areas of law including, among others, contract law, real property transactions, business organizations, family law, bankruptcy or probate practice. Upon satisfactory completion of the course requirements, including a grade of "C" or better in all Paralegal courses, graduates are eligible to apply for the examination given by the National Association of Legal Assistants, Inc. to be Certified Legal Assistants (CLA). Tulsa Community College is a member of the American Association for Paralegal Education.

Degree Awarded: Associate in Applied Science**For More Information Contact:**

Paralegal Program Coordinator: (918) 595-7317

Business and Information Technology Division:

Metro Campus (918) 595-7039

ADMISSION TO THE PROGRAM

1. Complete all admission requirements to Tulsa Community College.

2. Complete all admission requirements to the Paralegal Program.

a. Complete Paralegal Application. (Available in the Business and Information Technology Division Office, Metro Campus, MC 416

b. Furnish copies of all transcripts to the program direction with application.

Tulsa Community College will refuse program completion credit for legal specialty courses taken more than six years prior to completion of the program, unless student's proficiency in the area can be demonstrated.

General Education Requirements Credit hours: 18**English 6 hours**

*ENGL 1113 Composition I

*ENGL 1213 Composition II

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Additional General Education 6 hours

Within the requirement for 18 semester hours or the equivalent of General Education coursework, students must take courses in at least three different disciplines such as social sciences, natural sciences, mathematics, humanities, foreign language and English. Acceptable courses include survey and theory courses, but exclude performance, activity, and special topics 2991-2996 courses. See the Paralegal Program Coordinator for questions about specific course acceptability.

Specialized Course Requirements Credit Hours: 45**Accounting 3 hours**

ACCT 2213 Financial Accounting

Computer information Systems 3 hours

CSCI 1203 Computer Concepts and Applications

Paralegal 21 hours

Students are required to earn a "C" or better in all Paralegal Courses.

*PLGL 1213 Introduction to the Legal System

*PLGL 1313 Civil Procedure I

*PLGL 2303 Civil Procedure II

*PLGL 2333 Introduction to Legal Research and Writing

*PLGL 2343 Advanced Legal Research and Writing

*PLGL 2353 Contracts

*PLGL 2363 Real Property Law

Speech 3 hours

SPCH 1113 Speech Communication I

Continued >>

Controlled Electives 15 hours

**Paralegal 9 hours

- *PLGL 2373 Computers in the Law
- *PLGL 2403 Principles of Family Law
- *PLGL 2413 Law Office Systems and Procedures
- *PLGL 2423 Corporations, Partnerships and LLC's
- *PLGL 2433 Bankruptcy
- *PLGL 2443 Probate, Administration of Estates and Trusts
- *PLGL 2453 Administrative Law
- *PLGL 2463 Labor and Employment
- *PLGL 2473 Torts and Insurance
- *PLGL 2483 Native American Law
- *PLGL 2493 Criminal Law for Paralegals
- *PLGL 2502 Medical Record Analysis for Paralegals
- *PLGL 2511 E-Discovery for Paralegal
- *PLGL 2601 Worker's Compensation for Paralegals
- *PLGL 2613 Social Security Administration
- *PLGL 2621 Elder Law
- *PLGL 2802 Internship
- *PLGL 2813 Internship

Select an additional 6 hours from other computer, accounting, business, management, administrative careers, or paralegal courses, Examples are:

- MGMT 2363 Principles of Management
- ***ENGL 2343 Business Communication I
- *PLGL 2802 Internship
- *PLGL 2813 Internship

Total Credit Hours: 63

- *Course has prerequisite (See course description section of catalog).
- **Graduation credit for 1 and 2 credit hour courses in this series is limited to a maximum of 3 credit hours.
- ***ENGL 2343 is recommended for students with no law office experience.
- *PLGL 2802 or *PLGL 2813 is recommended for students with no law office experience or no experience as paralegals.

PATIENT CARE TECHNICIAN

Workforce Development Certificate

Program Description:

The Patient Care Technician (PCT) Program is approved by the Oklahoma Board of Nursing. Students who successfully complete the Patient Care Technician Program will be eligible to take the State Certification Exam offered by the Oklahoma Board of Nursing to practice as an Advanced Unlicensed Assistant (Patient Care Technician). Students must complete the PCT course with a grade of "C" or higher which includes satisfactory demonstration of required skills.

Degree Awarded: Certificate of Achievement

For More Information Contact:

Patient Care Technician Office: Metro: (918) 595-7324

Patient Care Technician Certificate

Patient Care Technicians are employed in a variety of healthcare settings. Their job responsibilities are performed under the delegation and supervision of licensed nurses. Their job responsibilities fall between those of a Certified Nurse Assistant and a Licensed Practical Nurse.

Procedure For Application:

1. Contact the Patient Care Technician Program (918) 595-7324, for program application form and any specific program information.
2. All prospective Patient Care Technician students must complete an application for enrollment to the College.
3. Submit completed program application form and required materials by the deadlines as identified in application materials. Submit materials to the Patient Care Technician office located on the Metro Campus, Room MC501, 909 South Boston, Tulsa, OK 74119.
4. Acceptance to Tulsa Community College does not guarantee admission into the Patient Care Technician Program.
5. Eligible applicants will be notified by mail regarding their selection status.
6. An orientation to the program, immunizations, current CPR certification and TB screening are required of students after their admission letter has been received and prior to the start of class.
7. In order to enroll in courses that include a clinical component and are a part of the program plan, students must receive clearance on a criminal background check, including sex offender registry. Potential students need to be aware that drug testing and clearance is a requirement for participation in all clinical components.

Certificate Requirements Credit Hours: 7

Nursing 7 hours

NURS 1207 Patient Care Technician

Total Credit Hours: 7

PHARMACY TECHNICIAN

Workforce Development Certificate

Program Description:

The Pharmacy Technician Program at Tulsa Community College prepares individuals to work under the supervision of registered pharmacists in providing a high level of modern pharmaceutical care in hospitals, clinics, extended care facilities, nursing homes and other organized health care settings. Their duties may include prescription order processing, inventory activities, quality assurance and control, over-the-counter sales, customer service and relations, product prepackaging, bulk compounding, parenteral IV admixture operations, third party processing and computer operations. A faster than average growth in the profession is expected. The demand for qualified technicians is increasing due to cost containment, advanced technology and changes in legislation.

Program Information:

The Pharmacy Technician Program admits a new class each full term beginning in August and January. Admission to the class is limited to 25 students. The Pharmacy Technician classes are offered in the evenings on the Metro Campus and will take 16 weeks to complete. The graduates of this one term program will receive a Certificate of Achievement and will be eligible to take the National Pharmacy Technician Certification Examination through the Pharmacy Technician Certification Board (PTCB). Individuals who have been convicted of a felony or a crime involving moral turpitude, or who have a substance abuse problem, may not be eligible for licensure in the State of Oklahoma or as a candidate for national certification. If any of these circumstances exist, you may wish to contact the Oklahoma State Board of Medical Licensure and Supervision, P.O. Box 18256, Oklahoma City, OK 73154 and the Pharmacy Technician Certification Board, 2215 Constitution Avenue, NW, Washington, D.C. 20037-2985.

ACCREDITATION

The Pharmacy Technology Program at Tulsa Community College is accredited by the Oklahoma State Board of Regents for Higher Education.

Degree Awarded: Certificate of Achievement

For More Information Contact:

Allied Health Services Division: Metro: (918) 595-7002

Application Instructions:

1. Send official high school transcript or GED scores to the Registrar's Office. High school seniors should send a seven (7th) semester transcript. Upon completion of high school, another official transcript must be sent with final grades and graduation date.
2. Send official college transcript(s) to the Registrar's Office from each college attended.
3. Send official ACT/SAT scores to the Registrar's Office. (Each candidate must have either an ACT or SAT score to be considered for the program, regardless of age or educational background.)
4. First-time college students must meet with a counselor in the Counseling and Testing Center regarding new student orientation, appropriate college placement exam score, and possible high school curricular deficiencies.
5. College students new at TCC must meet with a counselor regarding the CPT (College Placement Test). Each applicant must show a proficiency in English, Reading and Science.
6. Send the completed Pharmacy Technology Program application for admission to the Allied Health Services Division by June 15 for the fall term and by November 15 for the spring term.
7. In order to enroll in courses that include a clinical component, which are a part of the program plan, all Allied Health Services students are required to complete and receive clearance on a criminal background check, including sex offender registry. Potential students need to be aware that drug testing and clearance is a requirement for participation in all clinical components.

Selection Criteria:

A selection committee reviews all applications. Qualified applicants will be granted an interview with the Pharmacy Technology Program faculty. Qualified applicants are then ranked from the highest to the lowest score according to an established point system. The top 20-25 applicants are selected for the next term class and are notified of their selection within two weeks of their interview. The selection criteria is based upon the following:

- Cumulative GPA of 2.0
- ACT/SAT Composite Score minimum of 14
- High School GPA of 2.5 (if less than 12 college credit hours)
- Submission of high school transcript or GED
- Submission of college transcript(s)
- Interview

Certificate Requirements Credit Hours: 16

Pharmacy Technology 16 hours

- o*PHMT 1318 Introduction to Pharmacy Technician I
- o*PHMT 1414 Pharmacy Technician Practicum I
- o*PHMT 1524 Preceptorship I

Total Credit Hours: 16

*Course has prerequisite (see course description section of catalog)

o Course must be completed with a "C" or above.

PHILOSOPHY

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960 to select courses that will meet the requirements for both the associate and baccalaureate degree programs.

Program Description:

Philosophy seeks answers to fundamental questions such as: How do I know this to be true? What kind of life should a human being live? Is there such a thing as religious or scientific truth? What is the world ultimately like? Philosophy attempts to develop and use critical methods; that is, to develop standards of logical thinking as opposed to emotional reaction. Philosophy, then, seeks to develop analytical skills that will be useful in every aspect of life as well as enriching and fulfilling to the individual.

Degree Awarded: Associate in Arts

General Education Requirements Credit Hours: 31

See the General Education Requirements for the complete list. Humanities requirement is satisfied in Specialized Course Requirements.

Specialized Course Requirements Credit Hours: 30

Philosophy 15 hours

- PHIL 1113 Introduction to Philosophy
- PHIL 1133 Philosophy in Literature
- PHIL 1143 Introduction to Ethics: Business Issues
- PHIL 1213 Religions of the World: The Eastern Tradition
- PHIL 1223 Religions of the World: The Western Tradition
- PHIL 2113 Logic
- PHIL 2133 Introduction to Ethical Thinking
- PHIL 2143 Introduction to Social and Political Philosophy
- PHIL 2153 Medical Ethics
- PHIL 2163 Introduction to the History and Philosophy of Science
- PHIL 2173 Introduction to the Philosophy of Religion
- PHIL 2203 Symbolic Logic

Controlled Electives 15 hours

- *ENGL 2413 Introduction to Literature
- HIST 1053 Ancient and Medieval Western Civilization
- *POLS 2033 Introduction to American Politics
- PSYC 1023 Psychology of Personal Adjustment
- PSYC 1113 Introduction to Psychology
- SOCI 1113 Introduction to Sociology
- SOCI 2113 Social Problems in America
- SOCI 2123 Introduction to Cultural Anthropology

Total Credit Hours: 61

*Course has prerequisite (See course description section of catalog).

Proficiency in a foreign language is recommended.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

PHYSICAL THERAPIST ASSISTANT

Workforce Development Certificate

Program Description:

Tulsa Community College offers a five (5) term Physical Therapist Assistant Program accredited by The Commission on Accreditation in Physical Therapy Education, American Physical Therapy Association, 1111 North Fairfax Street, Alexandria, VA 22314, Telephone: (703) 706-3245, Website: www.apta.org/CAPTE.

The physical therapist assistant is a technically educated health care provider who assists the physical therapist in the provision of physical therapy. The physical therapist assistant may perform procedures and related tasks that have been selected and delegated by the supervising physical therapist. To further investigate the role of the physical therapist assistant, contact the American Physical Therapy Association at www.apta.org. Successful completion of this program requires that the student perform at a "C" level or better in all of their physical therapist assistant courses.

The graduate of this program is eligible to apply for the National Physical Therapy Examination for the physical therapist assistant. Individuals who have been convicted of a felony or of a crime involving moral turpitude, or who have had a drug problem, may not be permitted to take the licensure examination. If any of these circumstances exist, you may wish to contact the Oklahoma State Board of Medical Licensure and Supervision, (405)-848-6841 for clarification.

Degree Awarded: Associate in Applied Science

For More Information Contact:

Allied Health Services Division at Metro Campus:
(918) 595-7002 for program application form and any specific program information.

Admission To The Program:

Program admits one class each year during the spring term. Prospective students MUST request an application to the program by December 15th of each year.

Procedure For Application:

1. Submit completed program application form and required materials by January 20 to the Allied Health Services Division located in the Alfred M. Philips Building, room MP458, 909 South Boston, Tulsa, OK 74119.
2. All prospective Physical Therapist Assistant Program students must complete an application for enrollment to the College, submit their high school transcripts, ACT scores and previous college transcripts to the Metro Campus Registrar at 909 South Boston, Tulsa, OK 74119. Incomplete submissions will not be considered for admission into the Physical Therapist Assistant program.
3. Acceptance to Tulsa Community College does not guarantee admission to the Physical Therapist Assistant Program.
4. Eligible applicants to be interviewed for consideration for admission into the Physical Therapist Assistant Program will be notified by mail. All interviewed applicants will be notified by mail regarding their selection status.
5. In order to enroll in courses that include a clinical component and are part of the program degree plan, students must receive clearance on a criminal background check, including

sex offender registry. Potential students need to be aware that drug testing and clearance is a requirement for participation in all clinical components.

General Education Requirements Credit Hours: 19 Biology 4 hours

o**BIOL 1314 Human Anatomy and Physiology

English 6 hours

*ENGL 1113 Composition I

and select 3 credit hours from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical / Professional Writing

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 50

Allied Health 3 hours

oALDH 1323 Medical Terminology

Physical Therapist Assistant 47 hours

*PHTA 1203 Anatomy and Physiology for PTAs

*PHTA 1231 Clinical Practice I

*PHTA 1242 Human Growth and Development

*PHTA 1303 Introduction to Physical Therapy

*PHTA 1363 Kinesiology for PHTA's

*PHTA 1383 Pathophysiology for PTAs

*PHTA 1392 Clinical Procedures I

*PHTA 2113 Rehabilitation

*PHTA 2332 Clinical Practice II

*PHTA 2343 Clinical Procedures II

*PHTA 2373 Therapeutic Exercise I

*PHTA 2383 Therapeutic Exercise II

*PHTA 2432 Clinical Practice III

*PHTA 2442 Psychosocial Aspects of Physical Therapy

*PHTA 2486 Clinical Practice IV

*PHTA 2543 Neuroscience

*PHTA 2522 Special Studies in Clinical Practice

*PHTA 2551 Pharmacology for PTAs

Total Credit Hours: 69

*Course has prerequisite (See course description section of catalog).

**Student may substitute BIOL 2154 and BIOL 2134 for BIOL 1314.

oCourse must be completed with a "C" or above.

PHYSICS

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960 to select courses that will meet the requirements for both the associate and baccalaureate degree programs.

Program Description:

Physics is the foundation for all science areas such as Astronomy, Biology, Chemistry, and Geology. Physics is also the foundation for medicine-related studies and aviation.

Degree Awarded: Associate in Science

For More Information Contact:

Science and Mathematics Divisions: Metro: (918) 595-7334, Northeast: (918) 595-7542, Southeast: (918) 595-7742, West: (918) 595-8193

General Education Requirements Credit Hours: 27

See the General Education Requirements page for complete list. Science and Mathematics requirements are satisfied in Specialized Course Requirements.

Specialized Course Requirements Credit Hours: 33

Chemistry 10 hours

- *CHEM 1315 General Chemistry I
- *CHEM 1415 General Chemistry II

Mathematics 8 hours

- *MATH 2114 Analytic Geometry and Calculus I
- *MATH 2124 Analytic Geometry and Calculus II

Physics 8 hours

- *PHYS 2034 Engineering Physics I
- *PHYS 2124 Engineering Physics II

Recommended Electives 7 hours

- CSCI 1203 Computer Concepts and Applications
- *ENGR 1242 Introductory Engineering Computer Programming
- *MATH 2134 Analytic Geometry and Calculus III
- *MATH 2613 Elementary Differential Equations

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog). Students should select hours from the recommended field of concentration and/or recommended electives to satisfy general education requirements where possible. To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements. Physical Education activity classes do not count toward the associate degree requirements in this curriculum at TCC.

POLITICAL SCIENCE

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960 to select courses that will meet the requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Arts

General Education Requirements Credit Hours: 37

See the General Education Requirements for the complete list.

Specialized Course Requirements Credit Hours: 23-24

Political Science 12 hours

- *POLS 2013 Introduction to Comparative Governments
- *POLS 2023 Introduction to American Politics
- *POLS 2033 Introduction to Political Thought
- *POLS 2103 Introduction to State and Local Government
- *POLS 2133 Introduction to Public Administration
- *POLS 2153 Introduction to the Constitution and Judicial Process
- *POLS 2203 Introduction to International Relations

Recommended Electives 11-12 hours

Choose from at least three different disciplines.

- CSCI 1203 Computer Concepts and Applications
- ECON 2013 Principles of Macroeconomics
- GEOG 1023 World Geography (Economic)
- HIST 1033 History of Oklahoma
- HIST 1053 Ancient and Medieval Western Civilization
- HIST 1063 Modern Western Civilization
- HIST 1483 U.S. History 1492 to Civil War Era
- HIST 1493 U.S. History Civil War Era to Present
- HIST 2043 Contemporary Affairs
- PHIL 1113 Introduction to Philosophy
- PHIL 2163 Introduction to the History and Philosophy of Science
- PSYC 1113 Introduction to Psychology
- SOCI 1113 Introduction to Sociology
- SOCI 2113 Social Problems in America
- *SOCI 2223 Behavioral Statistics

Total Credit Hours: 60-61

*Course has prerequisite (See course description section of catalog). Proficiency in a foreign language is recommended. To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements. Physical Education activity classes do not count toward the associate degree requirements in this curriculum at TCC.

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PRE-PHARMACY

University Transfer Degree

University Transfer Degree Information:

This suggested curriculum includes TCC degree requirements and prerequisite courses generally completed in the first two years of a pharmacy doctoral curriculum. This curriculum has been specifically designed to provide seamless transition to the doctoral programs at Oklahoma Colleges of Pharmacy. Students considering this major should consult the division offices listed below and/or the selected courses that will meet the requirements of the Pre-Pharmacy associate degree program and the prerequisite requirements of the chosen doctoral program.

Degree Awarded: Associate in Science
For More Information Contact:

Science and Mathematics Divisions: Metro: (918) 595- 7334
 Northeast: (918) 595-7542, Southeast: (918) 595- 7742,
 West: (918) 595-8193

General Education Requirements Credit Hours: 24

See the General Education Requirements for the complete list. Science, Mathematics, and three hours of Recommended Elective requirements are satisfied in specialized course requirements.

English 6 hours

- *ENGL 1113 Composition I
- *ENGL 1213 Composition II

Humanities 6 hours

See General Education Requirements page for complete list.

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
 HIST 1483 U.S. History 1492 to Civil War Era
 HIST 1493 U.S. History Civil War Era to Present

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Economics 3 hours

ECON 2013 Principles of Macroeconomics

Specialized Course Requirements Credit Hours: 45-49
Mathematics 6 hours

- *MATH 1513 College Algebra
- ^*MATH 2523 Calculus for Business, Life, and Social Sciences

Science Courses 36 hours

- BIOL 1224 Introduction to Biology for Majors
- *BIOL 2134 Human Anatomy
- *BIOL 2164 Microbiology
- *CHEM 1315 General Chemistry I
- *CHEM 1415 General Chemistry II
- *CHEM 2145 Organic Chemistry I
- *CHEM 2245 Organic Chemistry II
- *PHYS 1114 General Physics I

Additional Courses for Transfer: 3-7 hours

(Note: These requirements vary by College of Pharmacy. Consult with a transfer counselor at the receiving institution before selecting.)

- *BIOL 2154 Human Physiology
- CHEM 2353 Introduction to Biochemistry
- SPCH 1113 Speech Communication I

Total Credit Hours: 69-73

*Course has prerequisite (See course description section of catalog).
 ^Alternate MATH option: MATH 2114 Analytic Geometry and Calculus I may be taken in place of MATH 2523. Consult the selected College of Pharmacy for specific prerequisite requirements before selecting MATH 2114.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

PRE-PROFESSIONAL SCIENCE RELATED FIELDS OF CONCENTRATION

Pre-Dentistry, Pre-Medicine and Pre-Optometry University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960 to select courses that will meet the requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Science
For More Information Contact:

Science and Mathematics Divisions: Metro: (918) 595- 7334
 Northeast: (918) 595-7542, Southeast: (918) 595- 7742,
 West: (918) 595-8193

General Education Requirements Credit Hours: 21

See the General Education Requirements page for complete list. Science, Mathematics, and recommended elective requirements satisfied in Specialized Course Requirements.

Specialized Course Requirements Credit Hours: 42
Biology 16 hours

BIOL 1224 Introduction to Biology for Majors
and select three courses from the following:

- *BIOL 1404 General Botany
- *BIOL 1604 Zoology
- *BIOL 2134 Human Anatomy
- *BIOL 2154 Human Physiology
- *BIOL 2164 Microbiology

Chemistry 15 hours

Select three courses from the following:

- *CHEM 1315 General Chemistry I
- *CHEM 1415 General Chemistry II
- *CHEM 2145 Organic Chemistry I
- *CHEM 2245 Organic Chemistry II

Mathematics 3 hours**Select one course from the following:**

- *MATH 1513 College Algebra
- *MATH 1613 Plane Trigonometry
- *MATH 1715 College Algebra and Trigonometry
- *MATH 2114 Analytic Geometry and Calculus I
- *MATH 2124 Analytic Geometry and Calculus II
- *MATH 2134 Analytic Geometry and Calculus III

Physics 8 hours**Select two courses from the following:**

- *PHYS 1114 General Physics I
- and**
- *PHYS 1214 General Physics II
- or**
- *PHYS 2034 Engineering Physics I
- and**
- *PHYS 2124 Engineering Physics II

Total Credit Hours: 63

*Course has prerequisite (See course description section of catalog).

Students should select hours from the recommended field of concentration and/or recommended electives to satisfy general education requirements where possible.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

PRE-PROFESSIONAL SCIENCE**RELATED FIELDS OF CONCENTRATION****Pre-Veterinary Science Option****University Transfer Degree****University Transfer Degree Information:**

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960 to select courses that will meet the requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Science**For More Information Contact:**

Science and Mathematics Division:
West Campus: (918) 595-8193

General Education Requirements Credit Hours: 21

See general education requirements for complete list. Science, Mathematics and Recommended Electives requirements satisfied in Specialized Course Requirements.

Specialized Course Requirements Credit Hours: 39**Biology 12 hours**

- +BIOL 1224 Introduction to Biology for Majors
- *BIOL 1604 Zoology
- *BIOL 2164 Microbiology

Chemistry 10 hours

- *CHEM 1315 General Chemistry I
- *CHEM 1415 General Chemistry II

Mathematics 6 hours

- *MATH 1513 College Algebra
- and select one course from the following:**
- *MATH 2193 Elementary Statistics
- *MATH 2523 Calculus for Business, Life and Social Sciences

Physics 8 hours

- *PHYS 1114 General Physics I
- *PHYS 1214 General Physics II

Speech 3 hours

- SPCH 1113 Speech Communication I

Total Credit Hours: 60

+BIOL 1224 is a prerequisite for BIOL 1604 and BIOL 2164.

*Course has prerequisites (See course description section of TCC catalog). Student should select hours from the recommended field of concentration and/or recommended electives to satisfy general education requirements where possible.

To receive an A. A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

PROCESS TECHNOLOGY**Workforce Development Degree****Program Description:**

This program is designed to provide students with the concepts and skills needed to enter careers as Process Technicians in the petro-chemical industry.

Degree Awarded: Associate in Applied Science**For More Information Contact:**

Science, Mathematics, and Engineering Technology Division:
Northeast: (918) 595-7542

General Education Requirements Credit Hours: 34**Chemistry 8 hours**

- *CHEM 1114 Principles of Chemistry
- *CHEM 2054 Process Organic Chemistry

English 6 hours

- *ENGL 1113 Composition I
- *ENGL 1213 Composition II

Economics 3 hours

- ECON 2013 Principles of Macroeconomics

Mathematics 4 hours

- *MATH 1454 Technical Mathematics

Physics 4 hours

- *PHYS 1014 Conceptual Physics

Social Sciences 6 hours

- POLS 1113 American Federal Government
- and select one course from the following:**
- HIST 1483 U.S. History 1492 to Civil War Era
- HIST 1493 U.S. History Civil War Era to Present

Continued >>

Speech 3 hours

SPCH 1113 Speech Communication I

Specialized Course Requirements Credit Hours: 29
Process Technology 29 hours

PRCT 1123 Introduction to Process Technology

PRCT 1133 Safety, Health & Work Practices

*PRCT 2024 Process Tech I (Equipment)

*PRCT 2034 Industrial Instrumentation

*PRCT 2134 Process Tech II (Systems)

*PRCT 2224 Process Tech III (Operations)

*PRCT 2243 Principles of Quality

*PRCT 2324 Process Troubleshooting

Total Credit Hours: 63

*Course has prerequisite (See course description section of catalog).

PROCESS TECHNOLOGY

Workforce Development Certificate

Program Description:

This program is designed to provide students with the concepts and skills needed to enter careers as Process Technicians in the petro-chemical industry.

Degree Awarded: Certificate of Achievement
For More Information Contact:

Science, Mathematics, and Engineering Technology Division:
Northeast: (918) 595-7542

Certificate Requirements Credit Hours: 48
Chemistry 8 hours

*CHEM 1114 Principles of Chemistry

*CHEM 2054 Process Organic Chemistry

Computer Information Systems 3 hours

CSCI 1203 Computer Concepts and Applications

Mathematics 4 hours

*MATH 1454 Technical Mathematics

Physics 4 hours

*PHYS 1014 Conceptual Physics

Specialized Course Requirements Credit Hours: 29
Process Technology 29 hours

PRCT 1123 Introduction to Process Technology

PRCT 1133 Safety, Health and Work Practices

*PRCT 2024 Process Tech I (Equipment)

*PRCT 2034 Industrial Instrumentation

*PRCT 2134 Process Tech II (Systems)

*PRCT 2224 Process Tech III (Operations)

*PRCT 2243 Principles of Quality

*PRCT 2324 Process Troubleshooting

Total Credit Hours: 48

*Course has prerequisite (See course description section of catalog).

PSYCHOLOGY

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960 to select courses that will meet the requirements for both the associate and baccalaureate degree programs.

Program Description:

Psychology is the science of behavior and mental processes. Students investigate such topics as personality theories, social psychology, psychological disorders, motivation, learning, physiology, memory and cognition. Through this program, students will explore the complexity of the human experience through all stages of human development.

Degree Awarded: Associate in Arts
General Education Requirements Credit Hours: 37

See the General Education Requirements for the complete list.

Specialized Course Requirements Credit Hours: 23-24
Psychology 15 hours

PSYC 1113 Introduction to Psychology

PSYC 1313 Human Relations

*PSYC 2023 Developmental Psychology

*PSYC 2053 Social Psychology

PSYC 2123 Leadership Development

PSYC 2143 Guided Activities in Service Learning

*PSYC 2193 Personality Theories

*PSYC 2203 Mind and Behavior

*PSYC 2213 Brain and Behavior

*PSYC 2223 Behavioral Statistics

PSYC 2313 Psychology and Law

*PSYC 2323 Conflict Resolution

PSYC 2523 Child Psychology

*PSYC 2533 Adolescent Psychology

*PSYC 2613 Adult Psychology

*PSYC 2633 Industrial and Organizational Psychology

*PSYC 2713 Aging and Behavior

*PSYC 2813 Human Sexuality

Recommended Electives 8-9 hours

CSCI 1203 Computer Concepts and Applications

*MATH 1513 College Algebra

PHIL 1113 Introduction to Philosophy

PHIL 2163 Introduction to the History and Philosophy of Science

*PSYC 2130 Crisis Intervention and Experience

SOCI 1113 Introduction to Sociology

*SOCI 2013 Marriage and Family

Total Credit Hours: 60-61

*Course has prerequisite (See course description section of catalog).

Proficiency in a foreign language is recommended.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

QUALITY CONTROL TECHNOLOGY

Workforce Development Degree

Program Description:

This program is designed to prepare the student with no previous experience in quality control for an entry level position as a quality control professional. Students having previous quality control experience will be able to upgrade their skills and knowledge in order to qualify for advancement in their chosen field. This program will help the graduate prepare to sit for the examination to become a Certified Quality Control Technician administered through the American Society for Quality, P.O. Box 3005, Milwaukee, WI 53201-3005, 1-800-248-1946.

Degree Awarded: Associate in Applied Science

For More Information Contact:

Science, Mathematics, and Engineering Technology Division:
Northeast: (918) 595-7542

General Education Requirements Credit Hours: 19-20

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

Mathematics 3-4 hours

*MATH 1454 Technical Mathematics

*MATH 1513 College Algebra

Physics 4 hours

*PHYS 1114 General Physics I

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 40-41

Computer Information Systems 3 hours

Select any three credit hours of Computer Information Systems (CSCI-CSYS) Courses

Engineering 9 hours

ENGR 1313 Manufacturing Processes

ENGR 1363 Metallurgy

ENGR 1463 Composite Materials

Quality Control Technology 27 hours

*QCTT 1223 Blueprint Reading

QCTT 1313 Introduction to Quality Control

*QCTT 1443 Geometric Dimensioning and Tolerancing

QCTT 2153 Lean, Six Sigma Quality Systems

*QCTT 2333 Inspection Principles

*QCTT 2343 Statistical Process Control

*QCTT 2363 Quality Standards and Specifications

*QCTT 2373 Quality Costs, Surveys and Audits

QCTT 2413 ISO 9000/2000

Recommended Electives 1-2 hours

ENGR 2462 Project Engineering and Management

ENGR 2543 Manufacturing Engineering I

MGMT 1353 Management Essentials

NCMT 1212 Introduction to Machining

Total Credit Hours: 60

*Course has prerequisite (See course description section of catalog).

QUALITY CONTROL TECHNOLOGY

Workforce Development Certificate

Program Description:

Students who are interested in pursuing a course of study leading to a baccalaureate degree in Quality Control Technology, General option, may complete the freshman and sophomore general education and prerequisite courses at TCC. Students should visit a TCC counseling office in order to consult the transfer catalogs of the universities where the four-year degree is offered and design a program of study and select courses that meet requirements for both the TCC associate degree and the baccalaureate degree at the university of their choice.

Degree Awarded: Certificate of Achievement

For More Information Contact:

Science, Mathematics, and Engineering Technology Division:
Northeast: (918) 595-7542

Computer Information Systems 3 hours

Select any three credit hours of Computer Information Systems (CSCI-CSYS) Courses

English 3 hours

*ENGL 1113 Composition I

Management 3 hours

MGMT 1353 Management Essentials

Mathematics 3-4 hours

*MATH 1454 Technical Mathematics

*MATH 1513 College Algebra

Quality Control Technology 21 hours

QCTT 1223 Blueprint Reading

QCTT 1313 Introduction to Quality Control

*QCTT 1443 Geometric Dimensioning and Tolerancing

*QCTT 2333 Inspection Principles

*QCTT 2363 Quality Standards and Specifications

*QCTT 2373 Quality Costs, Surveys and Audits

QCTT 2413 ISO 9000/2000

Total Credit Hours: 33-34

*Course has prerequisite (See course description section of catalog).

Continued >>

RADIOGRAPHY

(X-ray)

Workforce Development Degree

Introduction:

The Radiography (X-ray) Program at Tulsa Community College is designed to prepare students with the knowledge and skills to function as medical radiographers. The program is nationally accredited by the Joint Review Committee on Education in Radiologic Technology. The graduates of this program receive an Associate Degree in Applied Science and are eligible to apply for the American Registry of Radiologic Technologists Examination.

Position Description:

Medical Radiographers/Radiologic Technologists are the medical personnel who perform diagnostic imaging examinations. Radiographers use x-rays to produce black and white images of anatomy. These images are captured on film, computer or videotape. Radiographers are educated in anatomy, patient positioning, examination techniques, equipment protocols, radiation safety, radiation protection and basic patient care. Radiographers often specialize in areas of CT, MRI, Mammography, Cardiovascular Technology, Quality Control, Management and Education. Radiographers work closely with radiologists, physicians who interpret medical images to either diagnose or rule out disease or injury.

Program Information:

The Radiography (X-ray) Program admits a new class each year beginning in June (summer term). The number of students admitted to the class is limited to 35 students. The Radiography courses are offered during the day only and will take a total of six (6) terms to complete. The program consists of 50 credit hours of radiography lecture and clinical courses and 22 credit hours of related general education courses.

Degree Awarded: Associate in Applied Science

For More Information Contact:

Allied Health Service Division located in the Alfred M. Philips Building, Metro Campus, Room MP 458, 909 South Boston, Tulsa, OK 74119, (918) 595- 7002 for program application and specific information.

Application Instructions:

1. Complete the Tulsa Community College Application for Admission and submit it to the Registrar's Office, if you have not been enrolled at TCC within the past year.
2. Send Official High School Transcript or GED scores to the Registrar's Office. High school seniors should send seventh (7th) semester transcript. Upon completion of high school, another official transcript must be sent with final grades and graduation date.
3. Send Official College transcript(s) to the Registrar's Office from each college attended.
4. Send official ACT/SAT scores to the Registrar's Office. (Each applicant must have either ACT/SAT scores to be considered for the program.)
5. First-time college students must meet with counselors regarding new student orientation, CPT (College Placement Test) and possible high school curricular deficiencies.
6. College students new at TCC must meet with counselors regarding COMPASS (college placement tests). Each applicant

- must show proficiency in English, Reading and Science.
7. Send the completed Allied Health Radiography Program Application for Admission to the Allied Health Services Division by February 1. (All information required for the Radiography Program must be on file by February 1, including TCC Application, Program Application, Transcripts, and ACT/SAT Scores).
8. Acceptance to TCC does not guarantee admission to the Radiography Program.
9. All prospective applicants are encouraged to enroll in: BIOL 1314 Human Anatomy and Physiology, RADT 1212 Introduction to Radiography, and RADT 1201 Introduction to Radiographic Clinical Education.
10. All applicants will be contacted by the program director for an informational visit and will be ranked for acceptance according to their academic background.
11. In order to enroll in courses that include a clinical component and are part of the degree plan, students must receive clearance on a criminal background check, including sex offender registry. Potential students need to be aware that drug testing and clearance is a requirement for participation in all clinical components.

General Education Requirements Credit Hours: 22

Biology 4 hours

o**BIOL 1314 Human Anatomy and Physiology

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

*ENGL 2343 Business Communication I

Mathematics 3 hours

Select one course from the following:

*MATH 1473 Mathematics for Critical Thinking

*MATH 1513 College Algebra

Psychology 3 hours

Select one course from the following:

PSYC 1113 Introduction to Psychology

PSYC 1313 Human Relations

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 50

Radiography 50 hours

- o*RADT 1212 Introduction to Radiography
- o*RADT 1224 Radiographic Clinical Education I
- o*RADT 1313 Radiographic Anatomy and Positioning I
- o*RADT 1324 Radiographic Clinical Education II
- o*RADT 1333 Radiographic Anatomy and Positioning II
- o*RADT 1344 Radiographic Clinical Education III
- o*RADT 1372 Radiographic Technique
- o*RADT 1382 Advanced Radiographic Technique
- o*RADT 2301 Radiographic Seminar
- o*RADT 2314 Radiographic Clinical Education IV
- o*RADT 2323 Radiographic Special Procedures
- o*RADT 2336 Radiographic Clinical Education V
- o*RADT 2343 Radiographic Biology and Pathology

°*RADT 2356 Radiographic Clinical Education VI

°*RADT 2383 Radiographic Physics

Total Credit Hours: 72

*Course has prerequisite (See course description section of catalog).

**Student may substitute BIOL 2154 and BIOL 2134.

°Course must be completed with a "C" or above.

RELIGIOUS STUDIES

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960 to select courses that will meet the requirements for both the associate and baccalaureate degree programs.

Program Description:

Religion is one of the primary social activities of humankind. Its study involves a comparative understanding of the various ways different peoples, across time and space, have developed their religious ideas, values, systems, beliefs, rituals, and traditions in response to fundamental questions of human existence. Religious Studies offers a rigorous, systematic, and objective intellectual inquiry into various aspects of religions, their adherents and world views, their goals and expressions. It employs a wide variety of approaches and methods in order to understand the role of religion in human experience and thought. Courses in Religious Studies are for majors and for those meeting Humanities credit requirements. They are designed to be non-technical and to appeal to a broad range of interests.

Degree Awarded: Associate in Arts

General Education Requirements Credit Hours: 31

See the General Education Requirements for the complete list. Humanities requirement is satisfied in Specialized Course Requirements.

Specialized Course Requirements Credit Hours: 29-30

Religious Studies 12 hours

RELG 1113 Introduction to Religious Studies

and select three courses from the following:

RELG 1213 Religions of the World: The Eastern Tradition

RELG 1223 Religions of the World: The Western Tradition

RELG 2113 Old Testament

RELG 2123 New Testament

Controlled Electives 12 hours

Any course not selected from above or

PHIL 2173 Introduction to the Philosophy of Religion

RELG/SOCI 2173 Religion and Society

RELG 2233 Religion in America

RELG 2243 Christian Ethics and Social Thought

RELG 2313 Religion in Film

Recommended Electives 5-6 hours

General Emphasis

*ENGL 2543 British Literature I

*ENGL 2773 American Literature II

HIST 1053 Ancient and Medieval Western Civilization

HIST 1063 Modern Western Civilization

HUMN 2113 Humanities I

HUMN 2223 Humanities II

PHIL 1113 Introduction to Philosophy

PHIL 1133 Philosophy in Literature

PHIL 2133 Introduction to Ethical Thinking

PSYC 1113 Introduction to Psychology

RELG 2330 Field Studies in Religion

SOCI 1113 Introduction to Sociology

SOCI 2123 Introduction to Cultural Anthropology

or

International Studies Emphasis

GREE 1023 Biblical Greek I

*GREE 1223 Biblical Greek II

HEBR 1023 Biblical Hebrew I

*HEBR 1223 Biblical Hebrew II

LATN 1103 Latin I

*LATN 1213 Latin II

Total Credit Hours: 60-61

*Course has prerequisite (See course description section of catalog).

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

RESPIRATORY CARE

Workforce Development Degree

Program Description:

The Respiratory Care Program at Tulsa Community College (TCC) is designed to prepare individuals with the knowledge, skills and behaviors that are required for successful advanced respiratory therapists. If you enjoy working in a fast-paced environment where your technical and scientific responsibilities will be matched by a real need for human relations skills, then the TCC Respiratory Care Program may be for you. Respiratory Care is a health care specialty that offers a set of unique challenges in the areas of prevention, diagnosis, treatment, management and rehabilitation of people with lung disorders. As an advanced respiratory therapist, you will be involved in a wide variety of lifesaving and life-supporting situations, working side by side with physicians, nurses and others on the health care team. You will treat patients ranging from newborns to senior citizens. Your expertise will be in demand and opportunities to expand your knowledge and skills will be great.

Program Information:

The Respiratory Care Program at TCC generally accepts 20-25 students each year beginning in the fall term. The general education courses may be taken prior to being accepted into the program to lighten term course loads. Human Anatomy and Physiology (BIOL 1314) is a prerequisite course that must be taken prior to acceptance into the program. The Respiratory Care Program is a 2-year, 5-term, full-time day program consisting of specialized courses offered in a specific sequence.

Continued >>

Graduates of the program are awarded an Associate Degree in Applied Science and are eligible to apply for the National Board for Respiratory Care (NBRC) Certification and Registry Examinations.

Accreditation:

The Respiratory Care Program at Tulsa Community College is nationally accredited by the Commission on Accreditation for Respiratory Care (COARC), 1248 Hardwood Rd., Bedford, TX 76021, (817) 283-2835.

Degree Awarded: Associate in Applied Science

For More Information Contact:

Allied Health Services Division: Metro: (918)-595-7002

Application Instructions:

1. Complete the Tulsa Community College Application for Admission and submit it to the Registrar's Office if you have not been enrolled at TCC within the past year.
2. Send official high school transcript or GED scores to the Registrar's Office. High school seniors should send a seventh (7th) semester transcript. Upon completion of high school, another official transcript must be sent with final grades and graduation date.
3. Send official college transcript(s) to the Registrar's Office from each college attended.
4. Send official ACT/SAT scores to the Registrar's Office. (Each candidate must have either an ACT or SAT score to be considered for the program, regardless of age or educational background.)
5. First-time college students must meet with a counselor regarding COMPASS (college placement tests) and possible high school curricular deficiencies.
6. Send the completed Respiratory Care Program application for admission to the Allied Health Services Division by July 1.
7. In order to enroll in courses that include a clinical component and are part of the program degree plan, students must receive clearance on a criminal background check, including sex offender registry. Potential students need to be aware that drug testing and clearance is a requirement for participation in all clinical components.

Selection Criteria

A selection committee reviews all applications. Qualified applicants will be granted an interview with the Respiratory Care Program faculty. Qualified applicants are then ranked from the highest to the lowest score according to an established point system. The top 20-25 applicants are selected for the next fall semester class and are notified of their selection by the middle of July. The selection criteria are based upon the following:

- Cumulative GPA
- ACT/SAT Composite Score
- High School GPA (if less than 12 college credit hours)
- Math and/or Science GPA
- Math and Science ACT/SAT Score
- Interview

General Education Requirements Credit Hours: 19

Biology 4 hours

o+BIOL 1314 Human Anatomy and Physiology

English 6 hours

*ENGL 1113 Composition I

and select 3 credit hours from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

Psychology 3 hours

PSYC 1113 Introduction to Psychology

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 52

- o *RESP 1233 Applied Sciences for Respiratory Care
- o *RESP 1242 Respiratory Care Patient Assessment
- o *RESP 1251 Physician/Therapist Interaction
- o *RESP 1313 Respiratory Care Theory and Techniques I
- o *RESP 1354 Cardiopulmonary Anatomy and Physiology
- o *RESP 1403 Respiratory Care Theory and Techniques II
- o *RESP 1413 Clinical I
- o *RESP 1443 Respiratory Care Pathophysiology
- o *RESP 1511 Clinical Procedure Laboratory
- o *RESP 1522 Introduction to Mechanical Ventilation
- o *RESP 2103 Clinical II
- o *RESP 2203 Clinical III
- o *RESP 2213 Neonatal and Pediatric Respiratory Care
- o *RESP 2324 Advanced Topics in Mechanical Ventilation
- o *RESP 2352 Respiratory Care Pharmacology
- o *RESP 2391 Respiratory Care Case Management
- o *RESP 2413 Clinical IV
- o *RESP 2452 NBRC Review
- o *RESP 2563 Cardiopulmonary Diagnostics
- o *RESP 2493 Respiratory Critical Care

Total Credit Hours: 71

*Course has prerequisite (See course description section of catalog).

+Prerequisite to admission into the Respiratory Care Program.

oCourse must be completed with a "C" or above.

SOCIOLOGY

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960 to select courses that will meet the requirements for both the associate and baccalaureate degree programs.

Program Description:

Sociology is the study of social life, social change, and the social causes and consequences of human behavior. Sociologists investigate the structure of groups, organizations, and societies, and how people interact within these contexts. Since all human behavior is social, the subject matter of sociology ranges from the intimate family to the hostile mob, from organized crime to religious cults, from the divisions of race, gender and social class to the shared beliefs of a common culture, and from the sociology of work to the sociology of

sports. Because sociology addresses the most challenging issues of our time, it is a rapidly expanding field whose potential is increasingly tapped by those who craft policies and create programs.

Degree Awarded: Associate in Arts

General Education Requirements Credit Hours: 37

See the General Education Requirements for the complete list.

Specialized Course Requirements Credit Hours: 23-24

Sociology 15 hours

SOCI 1113 Introduction to Sociology

SOCI 2113 Social Problems in America

and select three of the following courses:

*SOCI 2013 Marriage and Family

*SOCI 2043 Juvenile Delinquency

*SOCI 2053 Social Psychology

*SOCI 2123 Introduction to Cultural Anthropology

*SOCI 2133 Introduction to Deviant Behavior

*SOCI 2143 Minorities in America

SOCI/RELG 2173 Religion and Society

*SOCI 2223 Behavioral Statistics

*SOCI 2713 Aging and Behavior

*SOCI 2813 Human Sexuality

Recommended Electives 8-9 hours

*CSCI 1203 Computer Concepts and Applications

ECON 2013 Principles of Macroeconomics

*ENGL 2883 Survey of American Literature from 1865

HIST 2043 Contemporary Affairs

HUMN 2223 Humanities II

PHIL 1113 Introduction to Philosophy

PHIL 2113 Logic

PHIL 2133 Introduction to Ethical Thinking

PHIL 2163 Introduction to the History and Philosophy of Science

*POLS 2033 Introduction to Political Thought

PSYC 1023 Psychology of Personal Adjustment

PSYC 1113 Introduction to Psychology

PSYC 1313 Human Relations

*SOCI 1073 Human Service Techniques

*SOCI 1130 Crisis Intervention and Experience

*SOCI 2243 Introduction to Social Work

SPCH 1013 Fundamentals of Listening

Total Credit Hours: 60-61

*Course has prerequisite (See course description section of catalog).

Proficiency in a foreign language is recommended.

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

Physical education activity courses do no count toward the associate degree requirements in this curriculum.

SPEECH

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the

catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960 to select courses that will meet the requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Arts

For More Information Contact:

Liberal Arts Divisions

Northeast: (918) 595-7494 • West: (918) 595-8079

Communications Divisions

Metro: (918) 595-7064 • Southeast: (918) 595-7694

General Education Requirements Credit Hours: 37

See the General Education Requirements for complete list.

Specialized Course Requirements Credit Hours: 23-24

Speech 15 hours

SPCH 1113 Speech Communication I

and select four courses from the following:

SPCH 1013 Fundamentals of Listening

SPCH 2053 Intercultural Communication

SPCH 2073 Oral Interpretation

*SPCH 2093 Business and Professional Speech

SPCH 2103 Interpersonal Communication

SPCH 2313 Voice and Diction I

*SPCH 2323 Voice and Diction II

Recommended Electives 8-9 hours

*ENGL 2773 American Literature I

JRMC 1013 Introduction to Mass Communication

PHIL 2113 Logic

PHIL 2133 Introduction to Ethical Thinking

PSYC 1113 Introduction to Psychology

PSYC 1313 Human Relations

SPCH 2333 Forensics

SPCH 2343 Forensics Performance Competition

SPCH 2351 Forensics Competition Practicum

Total Credit Hours: 60-61

*Course has prerequisite (See course description of catalog).

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

Physical education activity courses do no count toward the associate degree requirements in this curriculum.

STAGE PRODUCTION TECHNOLOGY

Workforce Development Degree

Program Description:

This program is designed to prepare students for a career in Stage Production Technology. It also is designed for those students presently employed in the Stage Production field who desire advancement.

Degree Awarded: Associate in Applied Science

For More Information Contact:

Performing Arts Division: Southeast: (918) 595-7752

TCC Theatre Office: Southeast: (918) 595-7733

General Education Requirements Credit Hours: 19
English 6 hours

*ENGL 1113 Composition I

and select 3 credit hours from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

*ENGL 2343 Business Communication I

Mathematics 4 hours

*MATH 1454 Technical Mathematics

Psychology 3 hours

*PSYC 1313 Human Relations

PSYC 1113 Introduction to Psychology

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 45
Computer Information Systems 3 hours

Select 3 credit hours from any Computer Information Systems (CSYS/CSCI) courses.

Theatre 39 hours

THEA 1033 Stagecraft I

*THEA 1043 Stagecraft II

THEA 1073 Entertainment Electrical Fundamentals

THEA 1093 Introduction to Theatre

THEA 1113 Theatre Graphics

THEA 1123 Introduction to Sound Reinforcement

THEA 1133 Costume Techniques I

THEA 1143 Introduction to Rigging & Fly Systems

THEA 2063 Fundamentals of Stage Lighting

THEA 2073 Introduction to Production Design

*THEA 2233 Entertainment – Computer Aided Design

*THEA 2253 Stage Management

*THEA 2273 Stage Production Technology Internship

Controlled Electives 3 hours

ART 1013 Fundamentals of Art I

ART 1083 Fundamentals of Art II

THEA 2013 Makeup I

*THEA 2133 Advanced Lighting for the Stage

*THEA 2153 Advanced Sound Reinforcement

THEA 2343 Introduction to Costume Design

Total Credit Hours: 64

*Course has prerequisite (See course description section of catalog).

SURGICAL TECHNOLOGY

Workforce Development Degree

Program Description:

The Surgical Technology program option provides an opportunity for Certified Surgical Technologists who are

graduates of an accredited educational program, to develop additional skills in mathematics, English, humanities, social and biological sciences and to earn an Associate in Applied Science degree. Surgical technologists are integral members of the surgical team who work closely with surgeons, anesthesiologists, registered nurses and other surgical personnel delivering patient care and assuming appropriate responsibilities before, during and after surgery. Students should consult with the Associate Dean of the Nursing Services Division for information and enrollment. Graduates of the Surgical Technology Program are qualified to take the national certifying exam given by: Liaison Council on Certification for the Surgical Technologist (LCCST), 7790 E. Arapahoe Rd., Suite 240, Englewood, CO 80112-1274, (303) 694-9264, (800) 707-0057.

Course Location: Surgical Technology courses will be taken either at Tulsa Technology Center Lemley Campus or Central Technology Center, Drumright Campus.

General Education courses will be offered by Tulsa Community College.

Degree Awarded: Associate in Applied Science

For More Information Contact:

Nursing Services Division at Metro Campus:

(918) 595-7188

Tulsa Technology Center Career Services Center Department:

(918) 828-5200

Central Technology Center Student Services Office:

(918) 352-2551 Ext. 206

Students should consult with Tulsa Tech and Central Tech

Admissions and Enrollment Staff before enrolling in this program.

Procedures For Application:
Tulsa Technology Center

1. Obtain an admission packet from Tulsa Technology Center. Packets are located at all Tulsa Tech campuses in the Adult Education office, counseling offices.
2. An admission test is required for full-time programs at Tulsa Tech (see admission packet for details)
3. Submit a completed program application form and required documents to the Career Services Center, Tulsa Technology Center, 3420 S. Memorial Dr., Tulsa OK, 74145. Please call (918) 828-5200 for application deadlines.
4. All prospective Surgical Technology program students must complete an application for enrollment to the college and submit their high school transcripts, GED scores, ACT/SAT scores, college transcripts and any previous training and / or education to the Metro Campus Registration at 909 S. Boston, Tulsa OK, 74119. Incomplete submissions will not be considered for the associate in the applied science degree program.
5. Acceptance to TCC does not guarantee admission to the Surgical Technology Associate in Applied Science program.

Procedures For Application:
Central Technology Center

1. Obtain an admission packet from Central Technology Center (CT). Packets are available in the CT Student Services Office, Drumright Campus, 3CT Circle, Drumright, OK 74030, (918) 352-2551, Ext. 206.

2. An admission test is required for entrance into this Central Technology Center class. (See admission packet for details) Applications are taken year round for programs beginning in mid-August (full-time day classes). Class size limited.

3. For start dates and further information, contact the Student Services Office, located on the CT Drumright Campus, 3CT Circle, Drumright, OK 74030. (918) 352- 2551 Ext. 206

General Education Requirements Credit Hours: 21

English 6 hours

*ENGL 1113 Composition I
*ENGL 1213 Composition II

Philosophy 3 hours

PHIL 2153 Medical Ethics

Psychology 6 hours

PSYC 1113 Introduction to Psychology
*PSYC 2023 Developmental Psychology

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
HIST 1483 U.S. History 1492 to Civil War Era
HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 40-44

Biology 7-8 hours

◦^BIOL 1224 Introduction to Biology for Majors
◦BIOL 1314 Human Anatomy and Physiology
◦BIOL 1323 Basic Microbiology
◦*^BIOL 2134 Human Anatomy
◦*^BIOL 2154 Human Physiology
◦*^BIOL 2164 Microbiology

Mathematics 3 hours

*MATH 1513 College Algebra
NURS 2403 Dosage Calculations for Nurses

Surgical Technology 30-33 hours

◦SRGT 1102 Surgical Technology Orientation
◦*SRGT 1112 Surgical Technology Introduction
◦*SRGT 1124 Surgical Case Management
◦*SRGT 1211 Medical Terminology
◦*SRGT 1222 Microbiology and Wound Healing
◦*+SRGT 1324 Anatomy and Physiology
◦*SRGT 1333 Aseptic Technique and Skills
◦*SRGT 1341 Surgical Technology Clinical Practicum I
◦*SRGT 2221 Surgical Pharmacology
◦*SRGT 2312 Surgical Patient Care and Skills
◦*SRGT 2323 Surgical Procedures I
◦*SRGT 2332 Surgical Technology Clinical Practicum II
◦*SRGT 2434 Surgical Procedures II
◦*SRGT 2442 Surgical Technology Clinical Practicum III

Total Credit Hours: 61-65

*Course has prerequisite (See course description section of catalog).
◦Course must be completed with a "C" or above.
^Course recommended for students intending to pursue a degree in Nursing.
+Course not required for students who complete BIOL 1314.

SURVEYING TECHNOLOGY

See Civil Engineering/Surveying Technology

TECHNOLOGY

Workforce Development Degree

Program Description:

This degree is designed for students entering TCC with a technical specialty acquired through completion of Oklahoma Department of Career Technical Education programs, through areas of study that have been evaluated by the American Council on Education, or through industry certification.

Students with prior training or career experience in an area offered as a degree program by TCC must meet with a TCC advisor to determine if credit can be awarded and to create their degree plan.

Degree Awarded: Associate in Applied Science

For More Information Contact:

Business and Information Technology Division,
Northeast (918) 595-7439;
Science, Mathematics, and Engineering and Division,
Northeast (918) 595-7542
Alliance Coordinator/Counselor: (918) 595-7970

General Education Requirements Credit Hours: 18

Computer Information Systems 3 hours

CSCI 1203 Computer Concepts and Applications

English 6 hours

*ENGL 1113 Composition I
and select 3 credit hours from the following:
*ENGL 1213 Composition II
*ENGL 2333 Technical /Professional Writing
*ENGL 2343 Business Communication I

Humanities 3 hours

Choose any humanities course from the general education requirements page.

The following courses are recommended:

BUSN / PHIL 1143 Introduction to Ethics: Business Issues
BUSN / SPCH 2053 Intercultural Communication

Social Science 6 hours

POLS 1113 American Federal Government
and select one course from the following:
HIST 1483 U.S. History 1492 to Civil War Era
HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 42-43

Management 9 hours

MGMT 1353 Management Essentials
*MGMT 1373 Human Resources Management
MGMT 2123 Leadership Development

Continued >>

Mathematics 3-4 hours

select one course from the following:

- *MATH 1454 Technical Mathematics
- *MATH 1473 Mathematics for Critical Thinking
- *MATH 1513 College Algebra

Speech 3 hours

select one course from the following:

- SPCH 1113 Speech Communication I
- SPCH 2103 Interpersonal Communication

Technical Support Course Work 6-18 hours
Advance Standing

Up to 18 (APPR) Credit hours in the technical specialty may be awarded for advanced standing credit.

- APPR 1306 Apprenticeship I
- *APPR 1346 Apprenticeship II
- *APPR 2306 Apprenticeship III

Controlled Electives 15-18 hours

Select one course from the following:

- ENGR 1313 Manufacturing Processes
 - ENGR/SURV 2262 Professional ENGR/SURV Ethics
- and select remaining coursework for a minimum of 60 total credit hours from one of the following areas of emphasis:**

1) Business and Information Technologies

See advisor to select from the following academic disciplines to complement area of specialty: Accounting Business, Information Technology, Economics, Marketing, Finance, Management.

2) Science, Engineering and Mathematics Technologies

See advisor to select from the following academic disciplines to complement area of specialty: Civil Engineering / Surveying Technology, Drafting and Engineering, Horticulture Technology, Manufacturing Engineering Technology, Quality Control Technology.

Total Credit Hours: 60-61

*Course has prerequisite (See course description section of catalog).

THEATRE

University Transfer Degree

University Transfer Degree Information:

This degree program is designed for students planning to transfer to baccalaureate colleges and universities. Transfer credit varies among colleges. Students should consult both the catalog of the specific college/university to which they plan to transfer and the signed transfer agreement or the current transfer planning guide posted at www.tulsacc.edu/12960 to select courses that will meet the requirements for both the associate and baccalaureate degree programs.

Degree Awarded: Associate in Arts
For More Information Contact:

Performing Arts Division: Southeast: (918) 595-7752
 TCC Theatre Office: (918) 595-7733

General Education Requirements Credit Hours: 37

See the General Education Requirements for the complete list.

Specialized Course Requirements Credit Hours: 24
Theatre 15 hours

- THEA 1033 Stagecraft I
- THEA 1053 Acting I
- THEA 1093 Introduction to Theatre
- THEA 1133 Costume Techniques I
- THEA 2063 Fundamentals of Stage Lighting

Controlled Electives 9 hours

Select from the following:

- *THEA 1043 Stagecraft II
- THEA 1081 Theatre Practice I
- THEA 1343 Stage Movement I
- THEA 2013 Make-Up I
- THEA 2043 Costume History
- *THEA 2053 Acting II
- THEA 2073 Introduction to Production Design
- THEA 2081 Theatre Practice II
- THEA 2213 Summer Theatre
- *THEA 2253 Stage Management
- THEA 2313 Voice and Diction I
- THEA 2333 Improvisation for the Theatre
- THEA 2453 Creative Writing: Scriptwriting I

Additional Recommended Courses

(not required for degree)

- *ENGL 2543 British Literature I
- *ENGL 2653 British Literature II
- *ENGL 2773 American Literature I
- *ENGL 2883 American Literature II
- HIST 1053 Ancient and Medieval Western Civilization
- HUMN 2113 Humanities I
- HUMN 2223 Humanities II
- MUSC 1113 Music Appreciation
- MUSC 1153 American Popular Music
- * MUSC 1731 Guitar Ensemble
- * MUSC 1791 Jazz Combo
- *THEA 1562 Musical Theatre

Total Credit Hours: 61

*Course has prerequisite (See course description of catalog).

To receive an A.A. or A.S. Degree, students must demonstrate computer proficiency. Please see page 22 for complete requirements.

VETERINARY TECHNOLOGY

Workforce Development Degree

Program Description:

Veterinary Technicians are essential members of the veterinary health care team. A Registered Veterinary Technician will support and augment the technical capabilities of many fields that involve animal care, including private veterinary practice, biomedical research, herd health management, teaching, zoological parks, and government services. Under the supervision of a licensed veterinarian, a technician may perform a variety of duties including: intensive nursing care,

clinical laboratory procedures, radiology, anesthesiology, dentistry, and surgical assistance. A graduate will also have an in-depth understanding of the fundamentals of animal husbandry, management, and nursing care for a variety of species. The Veterinary Technology Program is accredited by the American Veterinary Medical Association (AVMA). RVT licensure is regulated by the Oklahoma State Board of Veterinary Medical Examiners (OSBVME).

Degree Awarded: Associate In Applied Science

For More Information Contact:

Veterinary Technology Program West Campus: (918) 595-8212
Science and Math Division: West Campus: (918) 595-8193

The graduate will receive an Associate Degree in Applied Science. Upon degree completion, the graduate is eligible to take the NVTE (National Veterinary Technician Examination) and the Oklahoma licensure examination. The licensed RVT will work under the supervision of a licensed veterinarian.

Individuals may not be eligible for a veterinary technician licensure in the state of Oklahoma who have:

- been addicted to narcotics or alcohol;
- received treatment for the habitual use of narcotics or alcohol;
- been convicted of a narcotics-related offense;
- ever been reprimanded, disciplined, disqualified or suspended from the duties of a veterinary technician or animal care;
- ever been a patient in a sanitarium or institution for the treatment of mental illness;
- been arrested/convicted of any felony offense, including a deferred sentence;

If any of these circumstances exist, it is advised that the prospective student discuss this with the Oklahoma State Board of Veterinary Medical Examiners (405) 524-9006.

Note: All applicants for licensure in the State of Oklahoma must undergo an OSBI (Oklahoma State Bureau of Investigation) background check during application for Examination and Licensure.

Procedures For Application:

1. All program applicants must complete an application to Tulsa Community College and to the Veterinary Technology Program.
2. Contact the Veterinary Technology Program, West Campus (918) 595-8212, for program application and specific program information.
3. Submit completed applications and required materials, including official high school and college transcripts, and SAT/ACT scores, to the Veterinary Technology Program, West Campus, 7505 West 41st Street, Tulsa, OK 74107-8633, by April 30.
4. Incomplete submissions will not be considered for admission to the Program.
5. Admission to TCC does not guarantee acceptance into the Veterinary Technology Program.
6. Eligible applicants will be notified and an interview will be scheduled.
7. All interviewed applicants will be notified by mail regarding their selection status.
8. Prerequisite work for the Veterinary Technology Program must be completed prior to admission.

Prerequisites:

Biology 4 hours

^BIOL 1224 Introduction to Biology for Majors

*^BIOL 1604 Zoology

Must complete Intermediate Algebra or test at this level (documented by TCC Counseling). Submit documentation with application.

General Education Requirements Credit Hours: 23-25

Biology 4 hours

+^BIOL 1224 Introduction to Biology for Majors

*+^BIOL 1604 Zoology

Chemistry 4-5 hours

Select one course from the following:

*^CHEM 1114 Principles of Chemistry

*^CHEM 1315 General Chemistry I

English 6 hours

*ENGL 1113 Composition I

and select one course from the following:

*ENGL 1213 Composition II

*ENGL 2333 Technical/Professional Writing

Mathematics 3-4 hours

Select one course from the following:

*^MATH 1473 Mathematics for Critical Thinking

*^MATH 1513 College Algebra

*^MATH 1454 Technical Mathematics

Social Science 6 hours

POLS 1113 American Federal Government

and select one course from the following:

HIST 1483 U.S. History 1492 to Civil War Era

HIST 1493 U.S. History Civil War Era to Present

Specialized Course Requirements Credit Hours: 53-54

Veterinary Technology 53-54 hours

-^VETT 1125 Anatomy and Physiology

-^VETT 1132 Introduction to Veterinary Technology

-^VETT 1161 Clinical Calculations for Veterinary Technicians

-^VETT 1183 Principles of Small Animal Care

-^VETT 1193 Principles of Large Animal Care

-^VETT 1223 Veterinary Hospital Technology I

*^VETT 1234 Clinical Pathology I

*^VETT 1263 Veterinary Office and Computer Skills

*^VETT 2126 Practicum: Animal Clinics and Nursing

*^VETT 2224 Microbiology and Sanitation

*^VETT 2234 Clinical Pathology II

*^VETT 2254 Laboratory, Wild and Exotic Animal Technology

*^VETT 2313 Veterinary Hospital Technology II

*^VETT 2333 Veterinary Pharmacology

*^VETT 2352 Radiology, Ultrasound and Diagnostic Imaging

*^VETT 2364 Large Animal Technology

Total Credit Hours: 76-79

* Course has prerequisite (See course description section of catalog).

^ Course must be completed with a "C" or better.

- Admission to Veterinary Technology Program or permission of program coordinator.

+ Course is recommended