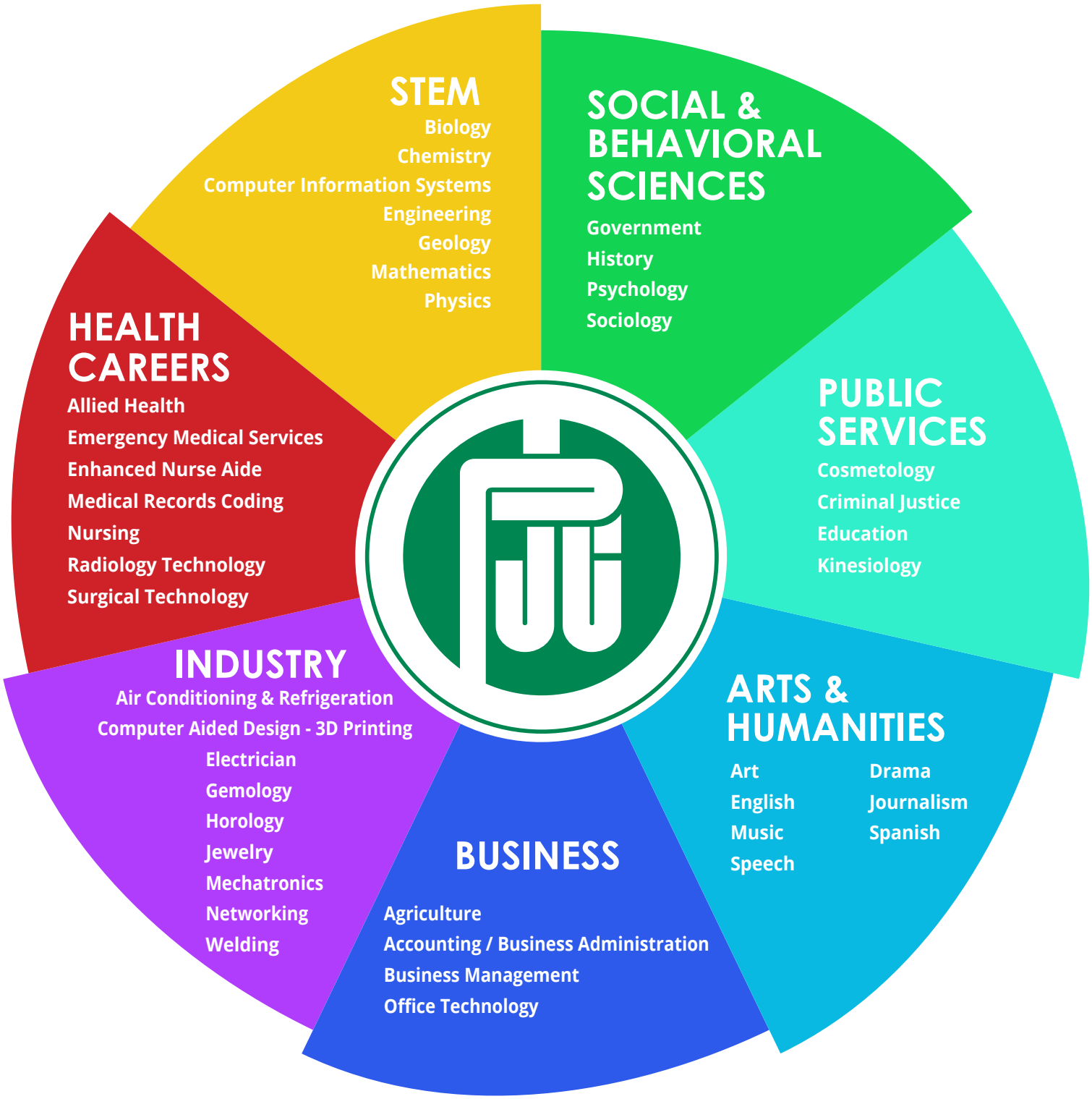
Paris Junior College
PATHWAYS



Art

AS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

ARTS 1311 - Design I
ARTS 1316 - Drawing I
COSC 1301 - Introduction to Computing
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I

Second Semester - 15 SCH

ARTS 1312 - Design II
ARTS 1317 - Drawing II
ENGL 1302 - Composition II
HIST 1301 - United States History I
SOCI 1301 - Introductory Sociology

Third Semester - 15 SCH

ARTS 1301 - Art Appreciation
GOVT 2305 - Federal Government
HIST 1302 - United States History II
MATH 1332 - Contemporary Mathematics
PHYS 1303 - Stars and Galaxies

Fourth Semester - 15 SCH

COMM 1307 - Introduction to Mass Communication
ENGL 2322 - British Literature I
GOVT 2306 - Texas Government
SPCH 1315 - Public Speaking
PHYS 1304 - Solar System

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

Program Outcomes

- Demonstrate the ability to recognize in a work of art chosen randomly from any culture or historical period these three examples of design elements: color harmony, use of perspective, and understanding of dimension.
- Demonstrate the ability to distinguish which cultural, individual, or group style is reflected in a work of art chosen randomly from samples of two-dimensional art and architecture.
- Demonstrate the ability to recognize in a work of art chosen randomly from any cultural or historical period these three design principles: evidence and type of balance, use of scale & proportion, and undestand the difference between the two; describe the category of art as abstract, realistic, or non-objective.

High School Endorsements

Arts & Humanities

Transfer Path / Requirements

For Texas A&M Commerce

- A student completing the Paris Junior College curriculum is considered Core complete at Texas A&M Commerce.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the art major, a minimum of 22 additional sch must be completed within the discipline of art, with an additional 18 advanced sch in the disciplines of Art and Photography.
- Students who are considering teaching in high schools or middle schools must take MATH 1314 and follow guidelines set for teacher certification.

Career Opportunities

Museum Curator; Scenic Charge Artist; Arts Writer/Critic; Cultural Consultant; Artist; Copy Writer; Art Librarian; Appraiser; Graphic Designer; Gallery Owner; Animator; Publications Editor; Arts Dealer; Photographer; Book Illustrator; Instructor; Marketing Director; Art Therapist.

Drama

AS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

COSC 1301 - Introduction to Computing
DRAM 1351 - Acting I
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - United States History I

Second Semester - 15 SCH

DRAM 1310 - Introduction to Theater
DRAM 1341 or DRAM 1342 - Theatrical Makeup or Introduction to Costume
ENGL 1302 - Composition II
HIST 1302 - United States History II
MATH 1332 - Contemporary Mathematics

Third Semester - 15 SCH

DRAM 1330 - Stagecraft I
GOVT 2305 - Federal Government
PHYS 1303 - Stars and Galaxies
SOCI 1301 - Introduction to Sociology
SPCH 1321 - Business & Professional Communication

Fourth Semester - 15 SCH

COMM 1307 - Introduction to Mass Communication
DRAM 1352 or DRAM 2336 - Acting II or Voice for the Theater
ENGL 2322 - British Literature I
GOVT 2306 - Texas Government
PHYS 1304 - Solar System

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

Program Outcomes

- Show proficiency with the basic usage of hardware and equipment associated to various technical theatre areas in a safe manner while being able to correctly identify and utilize technical theatre terminology.
- Demonstrate proficiency in character development through physical and vocal techniques and character analysis.
- Identify the major stages of development in various dramatic forms in Western and Eastern cultures.

High School Endorsements

Arts & Humanities

Transfer Path / Requirements

For Texas A&M Commerce

- A student completing the Paris Junior College curriculum is considered Core complete at Texas A&M Commerce.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the theater major, a minimum of 30 additional sch must be completed within the discipline of theater.
- Students who are considering teaching in high schools or middle schools must take MATH 1314 and follow guidelines set for teacher certification.

Career Opportunities

Film/Theatre Critic; Scenic Charge Artist; Actor; Market Research Assistant; Director; Sales Representative; Dramaturg; Voice-Over Actor; Audio Engineer; Booking Manager; Production Coordinator; Publications Editor; Entertainment Agent; Events Coordinator; Box Office Manager; Instructor; Marketing Director; Stunt Choreographer.

English

AS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

COSC 1301 - Introduction to Computing
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - United States History I
MATH 1332 - Contemporary Mathematics

Second Semester - 15 SCH

DRAM 1310 - Introduction to Theater
ENGL 1302 - Composition II
HIST 1302 - United States History II
PSYC 2301 - General Psychology
SPCH 1315 - Public Speaking

Third Semester - 15 SCH

BIOL 1322 - Nutrition & Diet Therapy
ENGL 2322 - British Literature I
ENGL 2327 - American Literature I
GOVT 2305 - Federal Government
SOCI 1301 - Introduction Sociology

Fourth Semester - 15 SCH

COMM 1307 - Introduction to Mass Communication
ENGL 2323 - British Literature II
ENGL 2328 - American Literature II
GOVT 2306 - Texas Government
PHYS 1303 - Stars and Galaxies

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

Program Outcomes

- Demonstrate the ability to identify, arrange, and evaluate the effectiveness of a thesis statement.
- Demonstrate the ability to identify Standard Written English (SWE) and apply correct forms of English most widely accepted as clear and proper.
- Demonstrate the ability to identify the specific parts of an essay, distinguish appropriate modes of communicating an idea, and use transitional words and phrases effectively.

High School Endorsements

Arts & Humanities

Transfer Path / Requirements

- Student should refer to the catalog of the institution to which he/she plans to transfer for degree requirements.

Texas A&M Commerce

- A student completing the Paris Junior College curriculum is considered Core complete at Texas A&M Commerce.
- *No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the English major, ten advanced courses are required by TAMU-Commerce: ENG 333 (Technical Writing) plus nine courses in literature, linguistics, and writing.
- All students who are considering teaching in Texas high schools or middle schools must follow guidelines set for teacher certification, such as taking MATH 1314.

Career Opportunities

Administrative assistant; Editor/Publisher/Author; Teacher's aide; Teacher; Media Assistant; Social media manager; Retail manager; Corporate blogger; Human resources assistant; Public relations; Desktop publisher; Technical writer; Journalist assistant; News reporter; Interpreter/Translator; Copywriter; Legal assistant; Search engine marketing specialist.

Journalism

AS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

COMM 2311 - Media Writing
COSC 1301 - Introduction to Computing
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - United States History I

Second Semester - 15 SCH

COMM 2305 - Editing and Layout
DRAM 1310 - Introduction to Theater
ENGL 1302 - Composition II
HIST 1302 - United States History II
MATH 1342 - Elementary Statistical Methods

Third Semester - 15 SCH

COMM 2315 - News Reporting
GOVT 2305 - Federal Government
PHYS 1303 - Stars and Galaxies
SOCI 1301 - Introduction to Sociology
SPCH 1321 - Business & Professional Communication

Fourth Semester - 15 SCH

COMM 1307 - Introduction to Mass Communication
COMM 2332 - Radio/Television News
ENGL 2322 - British Literature I
GOVT 2306 - Texas Government
PHYS 1304 - Solar System

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

High School Endorsements

Arts & Humanities

Program Outcomes

- Demonstrate understanding of media literacy as it applies to convergence, law/ethics, and the social and historical impact of mass communication.
- Demonstrate proficiency in news writing and editing across multiple mass media platforms.
- Demonstrate proficiency in layout and design across multiple mass media platforms.

Transfer Path / Requirements

- Student should refer to the catalog of the institution to which he/she plans to transfer for degree requirements.

Texas A&M Commerce

- A student completing the Paris Junior College curriculum is considered Core complete at Texas A&M Commerce.
- *No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the journalism major, a minimum of 35 additional sch must be completed within the discipline of journalism and/or the chosen journalism emphasis.
- Students who are considering teaching in high schools or middle schools must follow guidelines set for teacher certification.

Career Opportunities

Advertising and publicity; Instructor; Copywriter; Sports journalist; Political analyst; Publications editor; Critic; Media Planner; Columnist; Creative director; News commentator; Market research analyst; Photo journalist; Telecommunications specialist; Investigative reporter; News Blogger/Podcaster; Editorial assistant proofreader.

Music

AS (60 SCH*)

*Semester Credit Hour

First Semester - 17 SCH

COSC 1301 - Introduction to Computing
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - United States History I
MUEN 1141 or 1227 - Vocal or Instrumental Ensemble
MUAP 11** - Individual Instruction
MUSI 1301 - Fundamentals of Music I

Second Semester - 15 SCH

ENGL 1302 - Composition II
HIST 1302 - United States History II
MATH 1332 - Contemporary Mathematics
MUAP 11** - Individual Instruction
MUEN 1141 or 1227 - Vocal or Instrumental Ensemble
MUSI 1181 - Piano Class I
MUSI 1306 - Music Appreciation

Third Semester - 14 SCH

GOVT 2305 - Federal Government
MUAP 11** - Individual Instruction
MUEN 1141 or 1227 - Vocal or Instrumental Ensemble
PHYS 1303 - Stars and Galaxies
SOCI 1301 - Introduction to Sociology
SPCH 1315 - Public Speaking

Fourth Semester - 14 SCH

COMM 1307 - Introduction to Mass Communication
ENGL 2322 - British Literature I
GOVT 2306 - Texas Government
MUAP 11** - Individual Instruction
MUEN 1141 or 1227 - Vocal or Instrumental Ensemble
PHYS 1304 - Solar System

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

High School Endorsements

Arts & Humanities

Program Outcomes

- Identify and classify five familiar aural examples of music each differing by musical texture of composition (monophonic, homophonic, and polyphonic).
- Identify and classify five familiar aural examples of music each differing by genre (sonata, symphony, fugue, etc.) of composition.
- Identify and classify five familiar aural examples of music each differing by style period of composition (Early music, Baroque, Classical, etc.).

Transfer Path / Requirements

Texas A&M Commerce

- A student completing the Paris Junior College curriculum is considered Core complete at Texas A&M Commerce.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the music major, a minimum of 41 sch must be completed within the discipline of music.
- Students who are considering teaching in high schools or middle schools must take MATH 1314 and follow guidelines set for teacher certification.

Career Opportunities

Composer; Recording technician; Arts administrator; Singer/Musician; Community development specialist; Publishing specialist; Software programmer; Audio engineer; Instructor; Sound designer; Copywriter; Conductor; Sales representative; Production manager; Recreation director; Entertainment agent.

Spanish

AA (60 SCH*)

*Semester Credit Hour

First Semester - 16 SCH

EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - United States History I
MATH 1332 - Contemporary Mathematics
SPAN 1411 - Beginning Spanish I

Second Semester - 16 SCH

ENGL 1302 - Composition II
HIST 1302 - United States History II
MUSI 1306 - Music Appreciation
SOCI 1301 - Introduction to Sociology
SPAN 1412 - Beginning Spanish II

Third Semester - 15 SCH

BIOL 1322 - Nutrition & Diet Therapy
ENGL 2327 - American Literature I
GOVT 2305 - Federal Government
SPAN 2311 - Intermediate Spanish I
SPCH 1315 - Public Speaking

Fourth Semester - 13 SCH

BIOL 1408 - Biology For Non Science Majors I
COSC 1301 - Introduction to Computing
GOVT 2306 - Texas Government
SPAN 2312 - Intermediate Spanish II

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

Program Outcomes

- Demonstrate proficient listening skills resulting in understanding of most routine questions, statements, commands, and the gist of everyday conversations on non-technical subjects.
- Demonstrate proficiency in reading the Spanish language resulting in an understanding of most routine expressions on familiar subjects with the aid of references.
- Demonstrate the ability to respond orally with comprehension to most routine questions, statements, and commands, to use vocabulary sufficient to express oneself simply, and to discuss situations relevant to everyday life.
- Demonstrate the ability to produce essential messages in writing and the ability to use basic sentence construction and simple vocabulary.
- Show evidence of knowledge and awareness of the history and culture of another people within a range of situations.
- Demonstrate knowledge about how a language operates and skills that result in the application of the language-learning process to the study of other languages.

High School Endorsements

Arts & Humanities

Transfer Path / Requirements

- Students should refer to the catalog of the institution to which he/she plans to transfer for degree requirements.

For Texas A&M Commerce

- A student completing the Paris Junior College curriculum is considered Core complete at Texas A&M Commerce.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the Spanish major, 27 semester hours beyond the elementary level. For the Spanish minor required courses SPAN 231, 232, 331/332, 485, plus six semester hours of upper level Spanish. English major requires 12 semester hours of foreign language (FL). Criminal Justice major one semester of FL, Political Science major 12 semester hours of FL, Art History emphasis 12 semester hours of FL.
- Students who are considering teaching in high schools or middle schools must follow guidelines set for teacher certification.

Career Opportunities

Administrative assistant; Editor/Publisher; Teacher's aide; Teacher; Media assistant; Counselor; Bank teller; International business; Human resources assistant; Social media manager; Desktop publisher; Technical writer; Journalist assistant; News reporter; Interpreter/Translator; Law enforcement; Legal assistant; Social worker; Retail manager; Health care.

Speech

AS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

COSC 1301 - Introduction to Computing
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - United States History I
SPCH 1315 - Public Speaking

Second Semester - 15 SCH

DRAM 1310 - Introduction to Theater
ENGL 1302 - Composition II
HIST 1302 - United States History II
MATH 1332 - Contemporary Mathematics
SPCH 1311 - Introduction to Speech Communication

Third Semester - 15 SCH

GOVT 2305 - Federal Government
PHYS 1303 - Stars and Galaxies
SOCI 1301 - Introduction to Sociology
SPCH 1318 - Interpersonal Communication
SPCH 1321 - Business & Professional Speaking

Fourth Semester - 15 SCH

COMM 1307 - Introduction to Mass Communication
ENGL 2322 - British Literature I
GOVT 2306 - Texas Government
PHYS 1304 - Solar System
SPCH 1342 - Voice & Diction

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

High School Endorsements

Arts & Humanities

Program Outcomes

- Demonstrate verbal, physical, and vocal elements consistent with fundamental speaking techniques and critically analyze other speaker's abilities.
- Compose a structured verbal presentation utilizing an accepted outline format, verbal resources, and visual aids to add credibility to the speaker's message.
- Utilize and define communication terms and principles as they apply to one-on-one, public, and/or business setting.

Transfer Path / Requirements

For Texas A&M Commerce

- A student completing the Paris Junior College curriculum is considered Core complete at Texas A&M Commerce.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the speech major, a minimum of 15 additional sch must be completed within the discipline of speech.
- Students who are considering teaching in high schools or middle schools must take MATH 1314 and follow guidelines set for teacher certification.

Career Opportunities

Advertising and publicity; Instructor; Copywriter; Retail sales; Analyst; Entertainment agent; Critic; Lobbyist; Columnist; Communication manager; Commentator; Consumer advocate; Congressional aide; Publisher; Campaign manager; Speech writer; Editorial assistant; Human resources specialist.

Accounting/Business Administration

AS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

ECON 2301 - Principles of Macroeconomics
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - US History I
MATH 1324 - Mathematics for Business & Social Sciences

Second Semester - 15 SCH

ACCT 2301 - Principles of Financial Accounting
ECON 2302 - Principles of Microeconomics
ENGL 1302 - Composition II
HIST 1302 - US History II
MATH 1325 - Calculus for Business & Social Sciences

Third Semester - 15 SCH

ACCT 2302 - Principles of Managerial Accounting
BIOL 1322 - Nutrition & Diet Therapy
GOVT 2305 - Federal Government
MUSI 1306 - Music Appreciation
SPCH 1321 - Business & Professional Communication

Fourth Semester - 15 SCH

BCIS 1305 - Business Computer Applications
BIOL 2306 - Environmental Biology
BUSI 2301 - Business Law
COMM 1307 - Introduction to Mass Communication
GOVT 2306 - Texas Government

Marketable Skills

- Critical Thinking
- Communication Leadership
- Empirical and Quantitative Analysis
- Personal Responsibility
- Teamwork
- Information Technology Application
- Professionalism
- Work Ethic
- Social Responsibility

Program Outcomes

- Evaluate economic data.
- Apply economic reasoning to analysis of current events.
- Demonstrate an understanding of economic terminology and concepts.
- Analyze and complete journal entries utilizing generally accepted accounting principles.
- Categorize accounts to prepare income statement, statement of owner's equity, statement of cash flows, and balance sheet.
- Evaluate company production, profitability and cost using managerial accounting tools.

High School Endorsements

Business and Industry

Transfer Path / Requirements

Students pursuing a CPA should consider a BBA and MS in Accounting. Other students may wish to pursue a BBA degree in any of the following: Finance, Economics, Management, Management Information Systems, Marketing, Business Analytics, or General Business.

Career Opportunities

Accountant; Marketing director; Analyst; Entrepreneur / Business owner; Business operations manager; Financial advisor; Banker; Sales manager; Economist.

Agriculture

AS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH	Second Semester - 16 SCH
EDUC/PSYC 1300 - Learning Framework	ENGL 1302 - Composition II
ENGL 1301 - Composition I	HIST 1302 - United States History II
HIST 1301 - United States History I	COSC 1301 - Introduction to Computing
MATH 1314 - College Algebra	COMM 1307 - Introduction to Mass Communication
MUSI 1306 - Music Appreciation	AGRI 1415 - Horticulture

Third Semester - 14 SCH	Fourth Semester - 15 SCH
AGRI 1419 - Introductory Animal Science	AGRI 1407 - Agronomy
CHEM 1411 - General Chemistry I	BIOL 1406 - Biology for Science Majors I
ECON 2301 - Principles of Macroeconomics	CHEM 1412 - General Chemistry II
GOVT 2305 - Federal Government	GOVT 2306 - Texas Government

Marketable Skills

- Critical Thinking/Problem Solving
- Written/Oral Communication
- Empirical/Quantitative Reasoning
- Teamwork/Collaboration
- Organization/Time Management
- Research/Planning

Program Outcomes

- Differentiate between traditional and alternative agricultural production.
- Demonstrate knowledge of basic terminology and understanding of major agricultural concepts.
- Understand general market characteristics, plant propagation techniques, soil survey maps and types/characteristics, and scientific animal production, management, & marketing.

High School Endorsements

Business and Industry

Transfer Path / Requirements

For Texas A&M Commerce

- A student completing the Paris Junior College curriculum is considered Core complete at Texas A&M Commerce.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-C.
- For the agricultural science major, the student must go on to take another 60 hours, mostly consisting of agricultural science, plant science, and additional life and physical sciences. For the agribusiness major, the student must take an additional 60 hours, mostly consisting of agricultural courses and business courses.

Career Opportunities

Agricultural engineer; Arborist; Agricultural inspector; Horticulturalist; Botanist; Park Ranger; Conservationist; Forest ranger; Soil and plant scientist; Landscaper; Agricultural food scientist; Ranch manager; Agronomist; Wildlife manager.

Business Computer Applications

Certificate (42 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

ACNT 1303 - Introduction to Accounting I
ITSC 1305 - Introduction to PC Operating Systems
ITSC 1309 - Integrated Software Applications I
ITSW 1304 - Introduction to Spreadsheets
POFT 1321 - Business Math

Second Semester - 15 SCH

ACNT 1311 - Introduction to Computerized Accounting
IMED 1316 - Web Design I
ITSC 1321 - Intermediate PC Operating Systems
ITSW 1307 - Intro to Database
ITSW 2334 - Advanced Spreadsheets

Third Semester - 12 SCH

ITSC 1364 – Practicum - Computer and Information Sciences, General
ITSC 2321 - Integrated Software Applications II
ITSW 1310 - Introduction to Presentation Graphics Software
POFT 2312 - Business Correspondence & Communication

Marketable Skills

- Computer Skills
- Problem Solving
- Critical Reasoning
- Communication
- Analytical Skills

Program Outcomes

- Utilize industry standard application software to produce personal, business, and academic reports and presentations.
- Demonstrate knowledge of computer industry terminology and jargon.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Students may continue their education through a BAAS degree.

Career Opportunities

Data processing analysts; Office manager; Desktop support technician; Office assistant; Database administrator; Administrative assistant.

Business Management

AAS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

ACNT 1303 - Introduction to Accounting I
BCIS 1305 - Business Computer Applications
BUSG 1301 - Introduction to Business
ECON 2301 - Principles of Macroeconomics
MUSI 1306 - Music Appreciation

Second Semester - 15 SCH

ACNT 1311 - Introduction to Computerized Accounting
OR ACNT 1331 - Federal Income Tax: Individual
BMGT 1327 - Principles of Management
ECON 2302 - Principles of Microeconomics
ITSW 1304 - Introduction to Spreadsheets
MATH 1332 - Contemporary Mathematics

Third Semester - 15 SCH

ACCT 2301 - Principles of Financial Accounting
BMGT 2347 - Critical Thinking and Problem Solving
BUSI 2301 - Business Law
ENGL 1301 - Composition I
ITSW 2334 - Advanced Spreadsheets

Fourth Semester - 15 SCH

ACCT 2302 - Principles of Managerial Accounting
BMGT 1368 - Practicum - Business Administration & Management, General
BUSG 2309 - Small Business Management/ Entrepreneurship
HRPO 2301 - Human Resources Management
MRKG 1311 - Principles of Marketing

Marketable Skills

- Critical Thinking
- Communication
- Empirical and Quantitative Analysis
- Teamwork
- Personal Responsibility
- Social Responsibility
- Computer Skills
- Accounting Skills
- Professionalism / Work Ethic

Program Outcomes

- Students will be able to apply business concepts, practices, and/or techniques to effectively manage an organization.
- Students will be able to evaluate company production, profitability and cost using managerial accounting tools.
- Demonstrate proficiency using industry application software.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Students may continue their education through a BAAS degree.

Career Opportunities

Business operations manager; Account executive; Entrepreneur; Office manager; Sales representative; Human resources specialist; Bookkeeping, accounting and audit clerk; Management analyst; Marketing manager.

Business Management

Certificate (42 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

BCIS 1305 - Business Computer Applications
BUSG 1301 - Introduction to Business
BUSG 2309 - Small Business Management/ Entrepreneurship
MRKG 1311 - Principles of Marketing
HRPO 2301 - Human Resources Management

Second Semester - 15 SCH

ACNT 1303 - Introduction to Accounting I
BMGT 1327 - Principles of Management
BUSI 2301 - Business Law
ECON 2302 - Principles of Microeconomics
ITSW 1304 - Introduction to Spreadsheets

Third Semester - 12 SCH

ACNT 1311 - Introduction to Computerized Accounting
ECON 2301 - Principles of Macroeconomics
ITSW 2334 - Advanced Spreadsheets
POFT 2312 - Business Correspondence & Communication

Marketable Skills

- Critical Thinking
- Communication
- Empirical and Quantitative Analysis
- Teamwork
- Personal Responsibility
- Social Responsibility
- Computer Skills
- Accounting Skills
- Professionalism / Work Ethic

Program Outcomes

- Students will be able to apply business concepts, practices, and/or techniques to effectively manage an organization.
- Students will be able to evaluate company production, profitability and cost using managerial accounting tools.
- Demonstrate proficiency using industry application software.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Students may continue their education through an AAS in Business Management and BAAS degree.

Career Opportunities

Business operations manager; Management analyst; Entrepreneur; Human resources specialist; Sales representative; Account executive; Bookkeeping, accounting and audit clerk; Office manager; Marketing manager.

Entreprenuership

Certificate (18 SCH*)

*Semester Credit Hour

First Semester - 18 SCH

ACNT 1303 - Introduction to Accounting I
BUSI 2301 - Business Law
BUSG 2309 - Small Business Management/ Entrepreneurship
MRKG 1311 - Principles of Marketing
HRPO 2301 - Human Resources Management
BUSG 1301 - Introduction to Business

Marketable Skills

- Critical Thinking
- Communication
- Empirical and Quantitative
- Accounting Skills

Program Outcomes

- Students will be able to apply business concepts, practices, and/or techniques to effectively manage an organization.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Students may continue their education through a Certificate in Business Management, AAS in Business Management, and BAAS Degree.

Career Opportunities

Entrepreneur

Office Accounting

Certificate (42 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

ACNT 1303 - Introduction to Accounting I
ITSC 1305 - Introduction to PC Operating Systems
ITSC 1309 - Integrated Software Applications I
POFT 1321 - Business Math
POFT 1329 - Beginning Keyboarding

Second Semester - 12 SCH

BUSG 1301 - Introduction to Business
ITSC 2321 - Integrated Software Applications II
POFT 1319 - Records & Information Management
POFT 2301 - Intermediate Keyboarding

Third Semester - 15 SCH

ACCT 2301 - Principles of Financial Accounting
BUSG 1304 - Introduction to Financial Advising
BUSI 2301 - Business Law
ITSW 1304 - Introduction to Spreadsheets
POFT 2312 - Business Correspondence & Communication

Marketable Skills

- Critical Thinking
- Communication
- Quantitative Reasoning
- Time Management
- Teamwork
- Personal Responsibility
- Social Responsibility
- Computer Skills
- Organizational Skills
- Interpersonal Skills
- Customer Service

Program Outcomes

- Perform basic functions of entry level bookkeeping/accounting positions.
- Use computer and related tools to perform financial reports and management reports.
- Be aware of the ethical issues facing the profession and the value of a responsible citizen.
- Know how to apply related accounting knowledge such as taxation, payroll, auditing in performing accounting/bookkeeping functions/work.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Associate of Science Degree to transfer to a university. BBA and MS in Accounting for CPA career.

Career Opportunities

Financial clerk; Accounting assistant; Bookkeeper; Accounts payable clerk; Bank teller; Business owner; Management trainee.

Office Computer Applications

Certificate (30 SCH*)

*Semester Credit Hour

First Semester - 15 SCH	Second Semester - 15 SCH
ACNT 1303 - Introduction to Accounting I	ITSC 2321 - Integrated Software Applications II
ITSC 1305 - Introduction to PC Operating Systems	ITSW 1310 - Introduction to Presentation Graphics Software
ITSC 1309 - Integrated Software Applications I	POFT 1319 - Records & Information Management
POFT 1321 - Business Math	POFT 1365 - Practicum - Administrative Assistant and Secretarial Science, General
POFT 1329 - Beginning Keyboarding	POFT 2301 - Intermediate Keyboarding

Marketable Skills

- Critical Thinking
- Communication
- Time Management
- Teamwork
- Personal Responsibility
- Social Responsibility
- Computer Skills
- Organizational Skills
- Interpersonal Skills
- Customer Service

Program Outcomes

- Demonstrate effective business communication skills.
- Manage business information using appropriate software.
- Perform records management activities.
- Perform information processing activities.
- Perform office management activities.
- Prepare and use financial information.
- Demonstrate employability and workplace skills.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Office Information Specialist Degree (AAS)

Career Opportunities

Secretary / office assistant; Information / record clerk; Office financial clerk.

Office Information Specialist

AAS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

ACNT 1303 - Introduction to Accounting I
ITSC 1305 - Introduction to PC Operating Systems
ITSC 1309 - Integrated Software Applications I
POFT 1321 - Business Math
POFT 1329 - Beginning Keyboarding

Second Semester - 15 SCH

ENGL 1301 - Composition I
ITSC 2321 - Integrated Software Applications II
MATH 1332 - Contemporary Mathematics
POFT 1319 - Records & Information Management
POFT 2301 - Intermediate Keyboarding

Third Semester - 15 SCH

BUSG 1301 - Introduction to Business
BUSG 1304 - Introduction to Financial Advising
ITSW 1304 - Introduction to Spreadsheets
ITSW 1310 - Introduction to Presentation Graphics Software
POFT 2312 - Business Correspondence & Communication

Fourth Semester - 15 SCH

BUSI 2301 - Business Law
ECON 2302 - Principles of Microeconomics
MUSI 1306 - Music Appreciation
POFT 1365 - Practicum - Administrative Assistant and Secretarial Science, General
SPCH 1321 - Business & Professional Communication

Marketable Skills

- Critical Thinking
- Communication
- Time Management
- Teamwork
- Personal Responsibility
- Social Responsibility
- Computer Skills
- Organizational Skills
- Interpersonal Skills
- Customer Service

Program Outcomes

- Demonstrate effective business communication skills.
- Manage business information using appropriate software.
- Perform records management activities.
- Perform information processing activities.
- Perform office management activities.
- Prepare and use financial information.
- Demonstrate employability and workplace skills.

High School Endorsements

Business and Industry

Additional Educational Opportunities

BAAS Degree (Bachelor of Applied Arts & Sciences)

Career Opportunities

Executive secretary; Administrative assistant; Secretary / office assistant; Office manager; Information / record clerk; Financial clerk.

Air Conditioning

AAS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

COSC 1301 - Introduction to Computing
HART 1301 - Basic Electricity for HVAC
HART 1307 - Refrigeration Principles
HART 1310 - HVAC Shop Practices and Tools
HART 1356 - EPA Recovery Certification Preparation

Second Semester - 15 SCH

HART 1341 - Residential Air Conditioning
HART 1345 - Gas and Electric Heating
HART 2341 - Commercial Air Conditioning
HART 2349 - Heat Pumps
SPCH 1321 - Business & Professional Communication

Third Semester - 15 SCH

GOVT 2305 - Federal Government
HART 1331 - Advanced Electricity for HVAC
HART 2336 - Air Conditioning Troubleshooting
HART 2338 - Air Conditioning Installation & Startup
HART 2345 - Residential Air Conditioning Systems Design

Fourth Semester - 15 SCH

COMM 1307 - Introduction to Mass Communication
ENGL 1301 - Composition I
HART 2334 - Advanced Air Conditioning Controls
HART 2343 - Industrial Air Conditioning
MATH 1332 - Contemporary Mathematics

Marketable Skills

Math Skills; manage time and materials; acquire and evaluate information; interpret and communicate information; oral and written communications skills; computer skills; teamwork; cultural diversity; apply technology to work; creative thinking; decision making; problem solving; self-management; construction and industrial safety; EPA recovery and certification; Electricity for residential, commercial, and industrial HVAC equipment; electrical test instruments; electrical circuits; electrical components; schematic reading; HVAC and Refrigeration controls; electrical troubleshooting; refrigeration cycle, heat transfer, pressure-temperature relationship; troubleshooting air conditioning and refrigeration systems; refrigerant handling; refrigeration components; refrigeration tools and instruments; piping skills: soldering, flare joints , compression joints, fittings; installation of residential and commercial cooling and heating systems; service of residential and commercial cooling and heating systems; installation and service of residential and commercial refrigeration systems; installation, programming, service, and troubleshooting of Distributed Digital Control systems; heat load calculation and duct design.

Program Outcomes

- Install, troubleshoot and repair refrigerators, freezers, and window air conditioners.
- Install, troubleshoot and repair split or package residential air conditioning systems, including electric furnaces, gas furnaces and heat pumps.
- Install, troubleshoot and repair split and package commercial air conditioning and refrigeration systems.
- Install, program, troubleshoot and repair residential, commercial and industrial Distributed Digital control systems.
- Become certified to handle CFC's, HCFC's, and HFC's.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Bachelor of Arts in Applied Science

Career Opportunities

Consulting; Controls technician; Customer service; Dispatcher/ Coordinator; Distributor; Distributor counter sales; Energy auditor; Equipment performance testing specialist; Estimator; Field technical specialist; Field supervisor; HVAC equipment dealer; IAQ inspector; Inside sales and outside sales; Installer; Product technical support; Project manager; Public relations; Purchasing; Sheet metal fabrication; Parts store manager; Technical training instructor; Shop maintenance; Service technician; Contractor.

Air Conditioning

Certificate (39 SCH*)

*Semester Credit Hour

First Semester - 12 SCH

HART 1301 - Basic Electricity for HVAC
HART 1303 - Air Conditioning Control Principles
HART 1307 - Refrigeration Principles
HART 1310 - HVAC Shop Practices and Tools

Second Semester - 12 SCH

HART 1341 - Residential Air Conditioning
HART 1345 - Gas and Electric Heating
HART 2341 - Commercial Air Conditioning
HART 2349 - Heat Pumps

Third Semester - 15 SCH

HART 1356 - EPA Recovery Certification Preparation
HART 2331 - Advanced Electricity for HVAC
HART 2336 - Air Conditioning Troubleshooting
HART 2338 - Air Conditioning Installation & Startup
HART 2345 - Residential Air Conditioning Systems Design

Marketable Skills

Math Skills; manage time and materials; acquire and evaluate information; interpret and communicate information; oral and written communications skills; computer skills; teamwork; cultural diversity; apply technology to work; creative thinking; decision making; problem solving; self-management; construction and industrial safety; EPA recovery and certification; Electricity for residential, commercial, and industrial HVAC equipment; electrical test instruments; electrical circuits; electrical components; schematic reading; HVAC and Refrigeration controls; electrical troubleshooting; refrigeration cycle, heat transfer, pressure-temperature relationship; troubleshooting air conditioning and refrigeration systems; refrigerant handling; refrigeration components; refrigeration tools and instruments; piping skills: soldering, flare joints , compression joints, fittings; installation of residential and commercial cooling and heating systems; service of residential and commercial cooling and heating systems; installation and service of residential and commercial refrigeration systems; installation, programming, service, and troubleshooting of Distributed Digital Control systems; heat load calculation and duct design.

Program Outcomes

- Install, troubleshoot and repair refrigerators, freezers, and window air conditioners.
- Install, troubleshoot and repair split or package residential air conditioning systems, including electric furnaces, gas furnaces and heat pumps.
- Install, troubleshoot and repair split and package commercial air conditioning and refrigeration systems.
- Install, program, troubleshoot and repair residential, commercial and industrial Distributed Digital control systems.
- Become certified to handle CFC's, HCFC's, and HFC's.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Associate of Applied Science in Air Conditioning

Career Opportunities

Consulting; Controls technician; Customer service; Dispatcher/ Coordinator; Distributor; Distributor counter sales; Energy auditor; Equipment performance testing specialist; Estimator; Field technical specialist; Field supervisor; HVAC equipment dealer; IAQ inspector; Inside sales and outside sales; Installer; Product technical support; Project manager; Public relations; Purchasing; Sheet metal fabrication; Parts store manager; Technical training instructor; Shop maintenance; Service technician; Contractor.

Distributed Digital Control in Air Conditioning

Certificate (15 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

HART 1351 - Energy Management
HART 2334 - Advanced Air Conditioning Controls
HART 2342 - Commercial Refrigeration
HART 2343 - Industrial Air Conditioning
HART 2350 - HVAC Zone Controls

Marketable Skills

Math Skills; manage time and materials; acquire and evaluate information; interpret and communicate information; oral and written communications skills; computer skills; teamwork; cultural diversity; apply technology to work; creative thinking; decision making; problem solving; self-management; construction and industrial safety; EPA recovery and certification; Electricity for residential, commercial, and industrial HVAC equipment; electrical test instruments; electrical circuits; electrical components; schematic reading; HVAC and Refrigeration controls; electrical troubleshooting; refrigeration cycle, heat transfer, pressure-temperature relationship; troubleshooting air conditioning and refrigeration systems; refrigerant handling; refrigeration components; refrigeration tools and instruments; piping skills: soldering, flare joints , compression joints, fittings; installation of residential and commercial cooling and heating systems; service of residential and commercial cooling and heating systems; installation and service of residential and commercial refrigeration systems; installation, programming, service, and troubleshooting of Distributed Digital Control systems; heat load calculation and duct design.

Program Outcomes

- Install, troubleshoot and repair refrigerators, freezers, and window air conditioners.
- Install, troubleshoot and repair split or package residential air conditioning systems, including electric furnaces, gas furnaces and heat pumps.
- Install, troubleshoot and repair split and package commercial air conditioning and refrigeration systems.
- Install, program, troubleshoot and repair residential, commercial and industrial Distributed Digital control systems.
- Become certified to handle CFC's, HCFC's, and HFC's.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Associate of Applied Science in Air Conditioning

Career Opportunities

Consulting; Controls technician; Customer service; Dispatcher/ Coordinator; Distributor; Distributor counter sales; Energy auditor; Equipment performance testing specialist; Estimator; Field technical specialist; Field supervisor; HVAC equipment dealer; IAQ inspector; Inside sales and outside sales; Installer; Product technical support; Project manager; Public relations; Purchasing; Sheet metal fabrication; Parts store manager; Technical training instructor; Shop maintenance; Service technician; Contractor.

Computer-Aided Design

AAS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

DFTG 1305 - Technical Drafting
DFTG 1309 - Basic Computer-Aided Drafting
DFTG 1325 - Blueprint Reading and Sketching
DFTG 2319 - Intermediate Computer-Aided Drafting
ENGL 1301 - Composition I

Second Semester - 15 SCH

DFTG 1345 - Parametric Modeling and Design
DFTG 2302 - Machine Drafting
DFTG 2312 - Technical Illustration and Presentation
DFTG 2340 - Solid Modeling/Design
SPCH 1321 - Business & Professional Communication

Third Semester - 15 SCH

DFTG 1317 - Architectural Drafting - Residential
DFTG 2321 - Topographical Drafting
DFTG 2331 - Advanced Technologies in Architectural Design and Drafting
DFTG 2328 - Architectural Drafting - Commercial
MUSI 1306 - Music Appreciation

Fourth Semester - 15 SCH

DFTG 1358 - Electrical/Electronic/Drawing
DFTG 2323 - Pipe Drafting
DFTG 2338 - Final Project - Advanced Drafting
GOVT 2305 - Federal Government
MATH 1314 - College Algebra

Marketable Skills

Math Skills; manage time and materials; acquire and evaluate information; interpret and communicate information; oral and written communications skills; computer skills; teamwork; cultural diversity; apply technology to work; creative thinking; decision making; problem solving; self-management; Visualization; AutoCAD Operator; Blueprint Reading; Use of Civil Design Software-Civil 3D; Use of Architectural Design Software - Revit; Use of Mechanical Design Software - Solidworks; Use of Survey Instruments; Use of Design Tools and Scales; 3D Modeling; 3D printing; Parametric Modeling; Building Information Modeling.

Program Outcomes

- Operate a 2D CAD Design program.
- Read and interpret blueprints.
- Design and document in 3D with a parametric modeling program.
- Create construction and manufacturing documents using various CAD programs.
- Operate and maintain a 3D printer.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Bachelor of Arts in Applied Science

Career Opportunities

CAD technician; Architectural CAD designer; Mechanical CAD designer; Civil CAD designer; Pipe CAD designer; Electrical CAD designer; Surveyor CAD technician; Graphics designer; Rapid prototyping technician; Parametric modeler; Building information modeler; Landscape designer technician; Interior designer technician.

CAD Specialist

Certificate (45 SCH*)

*Semester Credit Hour

First Semester - 12 SCH	Second Semester - 12 SCH
DFTG 1305 - Technical Drafting DFTG 1309 - Basic Computer-Aided Drafting DFTG 1325 - Blueprint Reading and Sketching DFTG 2319 - Intermediate Computer-Aided Drafting	DFTG 1345 - Parametric Modeling and Design DFTG 2302 - Machine Drafting DFTG 2312 - Technical Illustration and Presentation DFTG 2340 - Solid Modeling/Design
Third Semester - 12 SCH	**Fourth Semester - 9 SCH**
DFTG 1317 - Architectural Drafting - Residential DFTG 2321 - Topographical Drafting DFTG 2328 - Architectural Drafting - Commercial DFTG 2331 - Advanced Technologies in Architectural Design and Drafting	DFTG 1358 - Electrical/Electronic/Drawing DFTG 2323 - Pipe Drafting DFTG 2338 - Final Project - Advanced Drafting

Marketable Skills

Math Skills; manage time and materials; acquire and evaluate information; interpret and communicate information; oral and written communications skills; computer skills; teamwork; cultural diversity; apply technology to work; creative thinking; decision making; problem solving; self-management; Visualization; AutoCAD Operator; Blueprint Reading; Use of Civil Design Software-Civil 3D; Use of Architectural Design Software - Revit; Use of Mechanical Design Software - Solidworks; Use of Survey Instruments; Use of Design Tools and Scales; 3D Modeling; 3D printing; Parametric Modeling; Building Information Modeling.

Program Outcomes

- Operate a 2D CAD Design program.
- Read and interpret blueprints.
- Design and document in 3D with a parametric modeling program.
- Create construction and manufacturing documents using various CAD programs.
- Operate and maintain a 3D printer.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Associate in Applied Science, Bachelor of Arts in Applied Science

Career Opportunities

CAD technician; Architectural CAD designer; Mechanical CAD designer; Civil CAD designer; Pipe CAD designer; Electrical CAD designer; Surveyor CAD technician; Graphics designer; Rapid prototyping technician; Parametric modeler; Building information modeler; Landscape designer technician; Interior designer technician.

CAD Technician

Certificate (36 SCH*)

*Semester Credit Hour

First Semester - 12 SCH

DFTG 1305 - Technical Drafting
DFTG 1309 - Basic Computer-Aided Drafting
DFTG 1325 - Blueprint Reading and Sketching
DFTG 2319 - Intermediate Computer-Aided Drafting

Second Semester - 12 SCH

DFTG 1345 - Parametric Modeling and Design
DFTG 2302 - Machine Drafting
DFTG 2312 - Technical Illustration and Presentation
DFTG 2340 - Solid Modeling/Design

Third Semester - 12 SCH

DFTG 1317 - Architectural Drafting - Residential
DFTG 2321 - Topographical Drafting
DFTG 2328 - Architectural Drafting - Commercial
DFTG 2331 - Advanced Technologies in Architectural Design and Drafting

Marketable Skills

Math Skills; manage time and materials; acquire and evaluate information; interpret and communicate information; oral and written communications skills; computer skills; teamwork; cultural diversity; apply technology to work; creative thinking; decision making; problem solving; self-management; Visualization; AutoCAD Operator; Blueprint Reading; Use of Civil Design Software-Civil 3D; Use of Architectural Design Software - Revit; Use of Mechanical Design Software - Solidworks; Use of Survey Instruments; Use of Design Tools and Scales; 3D Modeling; 3D printing; Parametric Modeling; Building Information Modeling.

Program Outcomes

- Operate a 2D CAD Design program.
- Read and interpret blueprints.
- Design and document in 3D with a parametric modeling program.
- Create construction and manufacturing documents using various CAD programs.
- Operate and maintain a 3D printer.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Associate in Applied Science, Bachelor of Arts in Applied Science

Career Opportunities

CAD technician; Architectural CAD designer; Mechanical CAD designer; Civil CAD designer; Pipe CAD designer; Electrical CAD designer; Surveyor CAD technician; Graphics designer; Rapid prototyping technician; Parametric modeler; Building information modeler; Landscape designer technician; Interior designer technician.

3D Prototyping

Certificate (30 SCH*)

*Semester Credit Hour

First Semester - 12 SCH	Second Semester - 18 SCH
DFTG 1305 - Technical Drafting	**DFTG 1345 - Parametric Modeling and Design**
DFTG 1309 - Basic Computer-Aided Drafting	**DFTG 2302 - Machine Drafting**
DFTG 1325 - Blueprint Reading and Sketching	**DFTG 2312 - Technical Illustration and Presentation**
DFTG 2319 - Intermediate Computer-Aided Drafting	**DFTG 2332 - Advanced Computer-Aided Drafting**
	DFTG 2340 - Solid Modeling/Design

Marketable Skills

Math Skills; manage time and materials; acquire and evaluate information; interpret and communicate information; oral and written communications skills; computer skills; teamwork; cultural diversity; apply technology to work; creative thinking; decision making; problem solving; self-management; Visualization; AutoCAD Operator; Blueprint Reading; Use of Civil Design Software-Civil 3D; Use of Architectural Design Software - Revit; Use of Mechanical Design Software - Solidworks; Use of Survey Instruments; Use of Design Tools and Scales; 3D Modeling; 3D printing; Parametric Modeling; Building Information Modeling.

Program Outcomes

- Operate a 2D CAD Design program.
- Read and interpret blueprints.
- Design and document in 3D with a parametric modeling program.
- Create construction and manufacturing documents using various CAD programs.
- Operate and maintain a 3D printer.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Associate in Applied Science, Bachelor of Arts in Applied Science

Career Opportunities

CAD technician; Architectural CAD designer; Mechanical CAD designer; Civil CAD designer; Pipe CAD designer; Electrical CAD designer; Surveyor CAD technician; Graphics designer; Rapid prototyping technician; Parametric modeler; Building information modeler; Landscape designer technician; Interior designer technician.

Electrician

Certificate (24 SCH*)

*Semester Credit Hour

First Semester - 12 SCH	Second Semester - 12 SCH
CNBT 1309 - Basic Construction Management	CNBT 2310 - Commercial/Industrial Blueprint Reading
ELPT 1325 - National Electrical Code I	ELPT 1345 - Commercial Wiring
ELPT 1311 - Basic Electrical Theory	ELPT 1357 - Industrial Wiring
ELPT 1329 - Residential Wiring	ELPT 2305 - Motors and Transformers

Marketable Skills

Math Skills; manage time and materials; acquire and evaluate information; interpret and communicate information; oral and written communications skills; computer skills; teamwork; cultural diversity; apply technology to work; creative thinking; decision making; problem solving; self-management; Electrical construction management; residential, commercial, industrial blueprint reading; OSHA-Construction and General Industries; Measurement; Electrical Safety and Tools; National Electrical Code; Electrical Theory; Calculation of A.C. and D.C. systems; Residential electrical load calculation; residential service entrance sizing; proper grounding techniques; commercial electrical load calculation; overcurrent protection; raceway panel board installation; single-phase and poly-phase DC and AC motors, generators and alternators; Industrial wiring, motor circuits, raceways and busways; single-phase and three phase motors and transformers; Transformer banking, power factor correction and protective devices.

Program Outcomes

- Apprentice Electrician
- Trouble shooting Residential Electrical Systems
- Trouble shooting Commercial Electrical Systems
- Trouble Shooting Industrial Electrical Systems
- Residential Electrician (Apprentice)
- Commercial Electrician (Apprentice)
- Industrial Electrician (Apprentice)
- Apprentice Electrician Conduit Bending

High School Endorsements

Business and Industry

Additional Educational Opportunities

Associate in Applied Science, Bachelor of Arts in Applied Science

Career Opportunities

CAD technician; Architectural CAD designer; Mechanical CAD designer; Civil CAD designer; Pipe CAD designer; Electrical CAD designer; Surveyor CAD technician; Graphics designer; Rapid prototyping technician; Parametric modeler; Building information modeler; Landscape designer technician; Interior designer technician.

Horology Technology

AAS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH	Second Semester - 15 SCH
COSC 1301 – Introduction to Computing	ECON 2302 - Principles of Microeconomics
HRGY 1319 - Basic Horology I	HRGY 2301 - Intermediate Horology I
HRGY 1320 - Basic Horology II	HRGY 2302 - Intermediate Horology II
HRGY 1321 - Basic Horology III	HRGY 2303 - Intermediate Horology III
HRGY 1322 - Basic Horology IV	HRGY 2304 - Intermediate Horology IV
Third Semester - 15 SCH	**Fourth Semester - 15 SCH**
HRGY 2305 - Intermediate Horology V	COMM 1307 - Introduction to Mass Communication
HRGY 2306 - Intermediate Horology VI	HRGY 2341 - Advanced Horology Systems I
HRGY 2307 - Intermediate Horology VII	HRGY 2342 - Advanced Horology Systems II
HRGY 2308 - Intermediate Horology VIII	HRGY 2343 - Advanced Horology Systems III
MATH 1332 - Contemporary Mathematics	SPCH 1321 - Business & Professional Communication

Marketable Skills

- Critical Thinking/ Problem Solving
- Communication
- Teamwork
- Watch Repair
- Knowledge of industry tools and equipment
- Knowledge of industry organization and ethics

Program Outcomes

- Demonstrate skills by performing disassembly, cleaning, oiling, repair and adjustment operations on multi function mechanical movements, automatics and calendar chronographs, quartz analog and digital time pieces.
- Demonstrate skills by making tools and watch parts including turning parts on a watchmakers lathe to 1/100 mm tolerance reflecting industry standards.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Graduates may pursue a BAAS degree. Brand specific training through major watch companies. Watchmaker training in Switzerland. Industry specific Aircraft instrumentation service training. Industry specific Aerospace instrumentation production and technical training.

Career Opportunities

Aerospace instrument technician; Watch repair shop owner; Aircraft instrument technician.

Horology Technology

Certificate (45 SCH*)

*Semester Credit Hour

First Semester - 12 SCH	Second Semester - 12 SCH
HRGY 1319 - Basic Horology I	HRGY 2301 - Intermediate Horology I
HRGY 1320 - Basic Horology II	HRGY 2302 - Intermediate Horology II
HRGY 1321 - Basic Horology III	HRGY 2303 - Intermediate Horology III
HRGY 1322 - Basic Horology IV	HRGY 2304 - Intermediate Horology IV
Third Semester - 12 SCH	**Fourth Semester - 9 SCH**
HRGY 2305 - Intermediate Horology V	HRGY 2341 - Advanced Horology Systems I
HRGY 2306 - Intermediate Horology VI	HRGY 2342 - Advanced Horology Systems II
HRGY 2307 - Intermediate Horology VII	HRGY 2343 - Advanced Horology Systems III
HRGY 2308 - Intermediate Horology VIII	

Marketable Skills

- Critical Thinking/ Problem Solving
- Communication
- Teamwork
- Watch Repair
- Knowledge of industry tools and equipment
- Knowledge of industry organization and ethics

Program Outcomes

- Demonstrate skills by performing disassembly, cleaning, oiling, repair and adjustment operations on multi function mechanical movements, automatics and calendar chronographs, quartz analog and digital time pieces.
- Demonstrate skills by making tools and watch parts including turning parts on a watchmakers lathe to 1/100 mm tolerance reflecting industry standards.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Graduates may pursue a BAAS degree. Brand specific training through major watch companies. Watchmaker training in Switzerland. Industry specific Aircraft instrumentation service training. Industry specific Aerospace instrumentation production and technical training.

Career Opportunities

Watchmaker; Watch and clock sales; Aerospace instrument technician; Watch repair shop owner; Aircraft instrument technician.

Fine Mechanical Watch Repair

Certificate (36 SCH*)

*Semester Credit Hour

First Semester - 12 SCH

HRGY 1319 - Basic Horology I
HRGY 1320 - Basic Horology II
HRGY 1321 - Basic Horology III
HRGY 1322 - Basic Horology IV

Second Semester - 12 SCH

HRGY 2301 - Intermediate Horology I
HRGY 2302 - Intermediate Horology II
HRGY 2303 - Intermediate Horology III
HRGY 2304 - Intermediate Horology IV

Third Semester - 12 SCH

HRGY 2305 - Intermediate Horology V
HRGY 2306 - Intermediate Horology VI
HRGY 2307 - Intermediate Horology VII
HRGY 2308 - Intermediate Horology VIII

Marketable Skills

- Critical Thinking/ Problem Solving
- Communication
- Teamwork
- Watch Repair
- Knowledge of industry tools and equipment
- Knowledge of industry organization and ethics

Program Outcomes

- Demonstrate skills by performing disassembly, cleaning, oiling, repair and adjustment operations on multi function mechanical movements, automatics and calendar chronographs, quartz analog and digital time pieces.
- Demonstrate skills by making tools and watch parts including turning parts on a watchmakers lathe to 1/100 mm tolerance reflecting industry standards.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Graduates may pursue a BAAS degree. Brand specific training through major watch companies. Watchmaker training in Switzerland. Industry specific Aircraft instrumentation service training. Industry specific Aerospace instrumentation production and technical training.

Career Opportunities

Watchmaker; Watch and clock sales; Aerospace instrument technician; Watch repair shop owner; Aircraft instrument technician.

Jewelry Technology

AAS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH	Second Semester - 15 SCH
ECON 2302 - Principles of Microeconomics	ENGL 1301 - Composition I
HRGY 1301 - Jewelry Techniques I	HRGY 1309 - Casting I
HRGY 1302 - Jewelry Techniques II	HRGY 1341 - Stone Setting I
HRGY 1303 - Jewelry Techniques III	HRGY 1349 - Jewelry Repair/Fabrication II
HRGY 1348 - Jewelry Repair/Fabrication I	HRGY 2333 - Casting II
Third Semester - 15 SCH	**Fourth Semester - 15 SCH**
COSC 1301 – Introduction to Computing	ARTS 1301 - Art Appreciation
HRGY 1342 - Stone Setting II	HRGY 2335 - Precious Metals I
HRGY 1343 - Stone Setting III	HRGY 2336 - Precious Metals II
HRGY 1344 - Stone Setting IV	HRGY 2337 - Precious Metals III
MATH 1332 - Contemporary Mathematics	HRGY 2338 - Precious Metals IV

Marketable Skills

- Critical Thinking/Problem Solving
- Communication
- Teamwork
- Jewelry Repair and Fabrication
- Casting
- Stone Setting
- Knowledge of industry tools and equipment

Program Outcomes

- Demonstrates skills in metal fabrication techniques: layout, sawing, filing, drilling, finishing, polishing, soldering, shaping, forming, doming, wire rolling and drawing.
- Demonstrates skills in casting techniques: wax carving, injecting, spruing, treeing, investing, and casting centrifugally and by vacuum.
- Demonstrates skills in jewelry repair: sizing, chain repair, tipping, beading, pronging, and plating.
- Demonstrates skills in setting such as: single and multiple round and fancy-cut stones into various mountings styles.
- Demonstrates knowledge of industry practices and ethics

High School Endorsements

Business and Industry

Additional Educational Opportunities

Students pursuing an AAS in Jewelry Technology might also want to pursue a BAAS degree or Certifications in Gemology or CAD/CAM.

Career Opportunities

Retail jewelry sales professional; jewelry store manager; Bench/manufacturing jeweler; Jewelry designer; Jewelry lab grader/quality assurance technician.

Jewelry Technology

Certificate (45 SCH*)

*Semester Credit Hour

First Semester - 12 SCH	Second Semester - 12 SCH
HRGY 1301 - Jewelry Techniques I	HRGY 1309 - Casting I
HRGY 1302 - Jewelry Techniques II	HRGY 1341 - Stone Setting I
HRGY 1303 - Jewelry Techniques III	HRGY 1349 - Jewelry Repair/Fabrication II
HRGY 1348 - Jewelry Repair/Fabrication I	HRGY 2333 - Casting II
Third Semester - 12 SCH	**Fourth Semester - 9 SCH**
HRGY 1342 - Stone Setting II	HRGY 2336 - Precious Metals II
HRGY 1343 - Stone Setting III	HRGY 2337 - Precious Metals III
HRGY 1344 - Stone Setting IV	HRGY 2338 - Precious Metals IV
HRGY 2335 - Precious Metals I	

Marketable Skills

- Critical Thinking/Problem Solving
- Communication
- Teamwork
- Jewelry Repair and Fabrication
- Casting
- Stone Setting
- Knowledge of industry tools and equipment

Program Outcomes

- Demonstrates skills in metal fabrication techniques: layout, sawing, filing, drilling, finishing, polishing, soldering, shaping, forming, doming, wire rolling and drawing.
- Demonstrates skills in casting techniques: wax carving, injecting, spruing, treeing, investing, and casting centrifugally and by vacuum.
- Demonstrates skills in jewelry repair: sizing, chain repair, tipping, beading, pronging, and plating.
- Demonstrates skills in setting such as: single and multiple round and fancy-cut stones into various mountings styles.
- Demonstrates knowledge of industry practices and ethics

High School Endorsements

Business and Industry

Additional Educational Opportunities

Students can pursue an AAS in Jewelry Technology, and might also want to pursue Certifications in Gemology or CAD/CAM.

Career Opportunities

Retail jewelry sales professional; Jewelry store manager; Bench/manufacturing jeweler; Jewelry designer; Jewelry lab grader/quality assurance technician.

Repair Technician

Certificate (33 SCH*)

*Semester Credit Hour

First Semester - 12 SCH

HRGY 1301 - Jewelry Techniques I
HRGY 1302 - Jewelry Techniques II
HRGY 1303 - Jewelry Techniques III
HRGY 1348 - Jewelry Repair/Fabrication I

Second Semester - 12 SCH

HRGY 1309 - Casting I
HRGY 1341 - Stone Setting I
HRGY 1349 - Jewelry Repair/Fabrication II
HRGY 2333 - Casting II

Third Semester - 9 SCH

HRGY 1342 - Stone Setting II
HRGY 1343 - Stone Setting III
HRGY 1344 - Stone Setting IV

Marketable Skills

- Critical Thinking/Problem Solving
- Communication
- Teamwork
- Jewelry Repair and Fabrication
- Casting
- Stone Setting
- Knowledge of industry tools and equipment

Program Outcomes

- Demonstrates skills in metal fabrication techniques: layout, sawing, filing, drilling, finishing, polishing, soldering, shaping, forming, doming, wire rolling and drawing.
- Demonstrates skills in casting techniques: wax carving, injecting, spruing, treeing, investing, and casting centrifugally and by vacuum.
- Demonstrates skills in jewelry repair: sizing, chain repair, tipping, beading, pronging, and plating.
- Demonstrates skills in setting such as: single and multiple round and fancy-cut stones into various mountings styles.
- Demonstrates knowledge of industry practices and ethics

High School Endorsements

Business and Industry

Additional Educational Opportunities

Students can pursue a certificate in Jewelry Technology, and also might be interested in certifications in Gemology and CAD/CAM.

Career Opportunities

Retail jewelry sales professional; Jewelry store manager; Bench/manufacturing jeweler; Jewelry designer; Jewelry lab grader/quality assurance technician.

Computer Aided Design

Certificate (36 SCH*)

*Semester Credit Hour

First Semester - 12 SCH

HRGY 1301 - Jewelry Techniques I
HRGY 1302 - Jewelry Techniques II
HRGY 1303 - Jewelry Techniques III
HRGY 1348 - Jewelry Repair/Fabrication I

Second Semester - 12 SCH

HRGY 1309 - Casting I
HRGY 1341 - Stone Setting I
HRGY 1349 - Jewelry Repair/Fabrication II
HRGY 2333 - Casting II

Third Semester - 12 SCH

HRGY 1371 - Introduction to Computer Aided Jewelry Design
HRGY 1372 - Technical Illustration for Jewelry Design
HRGY 1373 - Basic Computer Aided Drafting for Jewelry Design
HRGY 1374 - Solid Modeling Design for Jewelry

Marketable Skills

- Critical Thinking/Problem Solving
- Communication
- Systems Management
- Teamwork

Program Outcomes

- Demonstrates skills in creating a working foundation in interpreting and creating computer generated designs including skills that apply techniques used in the industry.
- Demonstrates skills in use of the scientific empirical approach used in related earth sciences by practical demonstration of optical and comparative relative density testing and interpretation.
- Demonstrates skills and knowledge of collaborative techniques in managing a complex computer system to demonstrate repeatable measurable outcomes.
- Demonstrates skills in collaborating ideas to create a workable design that incorporates professional stone setting, casting and bench skills used in the industry.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Students pursuing a certificate in CAD/CAM may also complete an AAS degree in Jewelry Technology, Horology or other certifications in jewelry, Horology, or Gemology. Opportunities also include training in the Arts or Sciences as undergraduates or graduate levels.

Career Opportunities

Retail jewelry sales professional; Jewelry designer; Jewelry store manager; Jewelry lab grader/quality assurance technician; Bench/manufacturing jeweler; Computer aided design in other industry.

Gemology

Certificate (18 SCH*)

*Semester Credit Hour

Third Semester - 18 SCH

BUSG 2309 - Small Business Management/ Entrepreneurship
BUSI 2301 - Business Law
HRGY 1313 - Fundamentals of Gemology I (Diamonds)
HRGY 1314 - Fundamentals of Gemology II (Colored Stones)
HRGY 1350 - Intermediate Gemology
HRGY 2331 - Advanced Gemological Practice

Marketable Skills

- Critical Thinking/Problem Solving
- Communication
- Systems Management
- Teamwork

Program Outcomes

- Demonstrates skills in classifying gemstones to identify unknowns using standardized gemologically recognized techniques used in the industry.
- Demonstrates skills in use of the scientific empirical approach used in related earth sciences by practical demonstration of optical and comparative relative density testing and interpretation.
- Demonstrates skills and knowledge of collaborative techniques in managing complex scientific systems to demonstrate repeatable measurable outcomes.
- Demonstrates skills in collection of data to organize a database to communicate and compare with others gemstone professionals to confirm identities of unknown gemstones.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Students pursuing a certificate in Gemology may also complete an AAS degree in Jewelry Technology, Horology or other certifications in jewelry, Horology, or Jewelry Design CAD. Opportunities also include training in the Arts or Sciences as undergraduates or graduate levels. Opportunities are available for training in Jewelry Appraisal Practices through ISA, ASA, or the MasterValuer Program.

Career Opportunities

Retail jewelry sales professional; Jewelry store manager; Jewelry lab grader/quality assurance technician; Jewelry appraisal professional; Gemological research technician.

Mechatronics

AAS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

CETT 1409 - DC-AC Circuits
COSC 1301 - Introduction to Computing
ELMT 2333 - Industrial Electronics
ELPT 1221 - Introduction to Electrical Safety and Tools
MATH 2312 - Pre-Calculus Math

Second Semester - 15 SCH

CETT 1349 - Digital Systems
HYDR 1345 - Hydraulics and Pneumatics
INTC 1341 - Principles of Automatic Control
RBTC 1301 - Programmable Logic Controllers
RBTC 1351 - Robotic Mechanisms

Third Semester - 15 SCH

ELMT 2337 - Electronic Troubleshooting, Service and Repair
ELPT 1351 - Electrical Machines
ELPT 2319 - Programmable Logic Controllers I
ENGL 1301 - Composition I
SPCH 1321 - Business & Professional Communication

Fourth Semester - 15 SCH

ARTS 1301 - Art Appreciation
ELPT 2355 - Programmable Logic Controllers II
ENTC 1349 - Reliability and Maintainability
GOVT 2305 - Federal Government
INMT 2345 - Industrial Troubleshooting

Marketable Skills

Math Skills; manage time and materials; acquire and evaluate information; interpret and communicate information; oral and written communications skills; computer skills; team-work; cultural diversity; apply technology to work; creative thinking; decision making; problem solving; self-management; OSHA-General Industries; digital electronics; solid state devices; solid state circuits; microprocessors; linear integrated circuits; DC-AC circuits; fluid power; mechatronics tools and instruments; electronics devices, circuits, and systems used in automated manufacturing or process control; Electronic system maintenance, troubleshooting and repair; programmable logic controllers; mechanical, hydraulic, and pneumatic trouble-shooting; installation, maintenance and repair of automatic control systems; installation, maintenance and repair of robotic mechanisms; installation, maintenance and repair of four bar linkages, cams, gears and gear trains.

Program Outcomes

Maintain equipment in an industrial setting including the use of Programmable Logic Controllers, Variable Frequency Drives, hydraulic and pneumatic systems, communications between systems and mechanical systems.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Bachelor of Arts in Applied Science

Career Opportunities

Electronics technician; electromechanical technician; maintenance technician-electrical and mechanical; industrial electrician; industrial mechanic; robotics technician; wind turbine technician; field service technician; manufacturing systems technician; automation technician; process technician; power plant technician; fluid power technician; equipment technician; power tool repair technician; plant engineering systems technician; engineering technician.

Mechatronics

Certificate (36 SCH*)

*Semester Credit Hour

First Semester - 12 SCH

CETT 1409 - DC-AC Circuits
ELMT 2333 - Industrial Electronics
ELPT 1221 - Introduction to Electrical Safety and Tools
RBTC 1301 - Programmable Logic Controllers

Second Semester - 12 SCH

ELMT 2337 - Electronic Troubleshooting
ELPT 1351 - Electrical Machines
ELPT 2319 - Programmable Logic Controllers I
HYDR 1345 - Hydraulics and Pneumatics

Third Semester - 12 SCH

ELPT 2355 - Programmable Logic Controllers II
ENTC 1349 - Reliability and Maintainability
INMT 2345 - Industrial Troubleshooting
RBTC 1351 - Robotic Mechanisms

Marketable Skills

Math Skills; manage time and materials; acquire and evaluate information; interpret and communicate information; oral and written communications skills; computer skills; teamwork; cultural diversity; apply technology to work; creative thinking; decision making; problem solving; self-management; OSHA-General Industries; digital electronics; solid state devices; solid state circuits; microprocessors; linear integrated circuits; DC-AC circuits; fluid power; mechatronics tools and instruments; electronics devices, circuits, and systems used in automated manufacturing or process control; Electronic system maintenance, troubleshooting and repair; programmable logic controllers; mechanical, hydraulic, and pneumatic troubleshooting; installation, maintenance and repair of automatic control systems; installation, maintenance and repair of robotic mechanisms; installation, maintenance and repair of four bar linkages, cams, gears and gear trains.

Program Outcomes

Maintain equipment in an industrial setting including the use of Programmable Logic Controllers, Variable Frequency Drives, hydraulic and pneumatic systems, communications between systems and mechanical systems.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Associate of Applied Science, Bachelor of Arts in Applied Science

Career Opportunities

Electronics technician; electromechanical technician; maintenance technician-electrical and mechanical; industrial electrician; industrial mechanic; robotics technician; wind turbine technician; field service technician; manufacturing systems technician; automation technician; process technician; power plant technician; fluid power technician; equipment technician; power tool repair technician; plant engineering systems technician; engineering technician.

Networking

AAS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

COSC 1301 – Introduction to Computing
ENGL 1301 - Composition I
ITNW 1325 - Fundamentals of Networking Technologies
ITSC 1305 - Introduction to PC Operating Systems
ITSC 1325 - Personal Computer Hardware

Second Semester - 15 SCH

IMED 1316 - Web Design I
ITNW 1351 - Fundamentals of Wireless LANs
ITSC 1321 - Intermediate PC Operating Systems
ITSW 1307 - Introduction to Database
MATH 1332 - Contemporary Mathematics

Third Semester - 15 SCH

DRAM 1310 - Introduction to Theater
ITNW 1354 - Implementing and Supporting Servers
ITNW 2313 - Networking Hardware
ITSW 1304 - Introduction to Spreadsheets
ITSY 1342 - Information Technology Security

Fourth Semester - 15 SCH

ECON 2302 - Principles of Microeconomics
ITNW 2305 - Network Administration
ITSC 1364 – Practicum - Computer and Information Sciences, General
ITSC 2339 - Personal Computer Help Desk Support
ITSW 2334 - Advanced Spreadsheets

Marketable Skills

- Computer Skills
- Critical Thinking
- Teamwork
- Communication
- Decision Making
- Problem Solving
- Social Responsibility
- Technical Proficiency
- Personal Responsibility

Program Outcomes

- Demonstrate techniques to design a secure network
- Ability to evaluate resources and make relevant recommendation for purchase or upgrade of a system
- Recognize the interaction of stand-alone and network devices, operating systems, and applications.
- Identify tools, diagnostic procedures and troubleshooting techniques for networks and personal computer components.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Students may continue their education through a BAAS degree.

Career Opportunities

Network administrator; Personal computer technician; Help desk/technical support specialist; Information security specialist; Network technician; Computer support specialist; Information technology support specialists; Network infrastructure support.

Computer Support Tech - A+

Certificate (30 SCH*)

*Semester Credit Hour

First Semester - 15 SCH	Second Semester - 15 SCH
ITSC 1305 - Introduction to PC Operating Systems	**ITNW 1351 - Fundamentals of Wireless LANs**
ITSC 1325 - Personal Computer Hardware	**ITNW 1354 - Implementing and Supporting Servers**
ITNW 1325 - Fundamentals of Networking Technologies	**ITNW 2305 - Network Administration**
ITNW 2313 - Networking Hardware	**ITSC 1364 – Practicum - Computer and Information Sciences, General**
ITSY 1342 - Information Technology Security	**ITSC 2339 - Personal Computer Help Desk Support**

Marketable Skills

- Computer Skills
- Problem Solving
- Critical Thinking
- Technical Proficiency

Program Outcomes

- Ability to evaluate resources and make relevant recommendation for purchase or upgrade of a system
- Identify tools, diagnostic procedures and troubleshooting techniques for networks and personal computer components.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Students may continue their education through an AAS degree.

Career Opportunities

Help desk/technical support specialist; Personal computer technician; Information technology support specialist; Computer support specialist.

Computer Network Tech - A+

Certificate (42 SCH*)

*Semester Credit Hour

First Semester - 12 SCH

ITNW 1325 -Fundamentals of Networking Technologies
ITSC 1305 - Introduction to PC Operating Systems
ITSC 1325 - Personal Computer Hardware
ITSW 1304 - Introduction to Spreadsheets

Second Semester - 18 SCH

IMED 1316 - Web Design I
ITNW 1351 - Fundamentals of Wireless LANs
ITNW 2305 - Network Administration
ITSC 1321 - Intermediate PC Operating Systems
ITSC 2339 - Personal Computer Help Desk Support
ITSW 2334 - Advanced Spreadsheets

Third Semester - 12 SCH

ITNW 1354 - Implementing and Supporting Servers
ITNW 2313 - Networking Hardware
ITSC 1364 - Practicum - Computer and Information Sciences, General
ITSY 1342 - Information Technology Security

Marketable Skills

- Computer Skills
- Critical Thinking
- Problem Solving
- Technical Proficiency
- Decision Making

Program Outcomes

- Demonstrate techniques to design a secure network
- Ability to evaluate resources and make relevant recommendation for purchase or upgrade of a system.
- Recognize the interaction of stand-alone and network devices, operating systems, and applications.
- Identify tools, diagnostic procedure and troubleshooting techniques for networks and personal computer components.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Students may continue their education through an AAS degree.

Career Opportunities

Help desk/technical support specialist; Information security specialist; Network technician; Information technology support specialist; Computer support specialist; Network infrastructure support; Personal computer technician.

CISCO / C-Tech

Certificate (57 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

COSC 1301 – Introduction to Computing
ITNW 1351 - Fundamentals of Wireless LANs
ITSC 1305 - Introduction to PC Operating Systems
ITSC 1325 - Personal Computer Hardware
ITSW 1304 - Introduction to Spreadsheets

Second Semester - 15 SCH

IMED 1316 - Web Design I
ITCC 1301 - Cisco Exploration 1 - Network Fundamentals
ITNW 1325 - Fundamentals of Networking Technologies
ITNW 2313 - Networking Hardware
ITSW 2334 - Advanced Spreadsheets

Third Semester - 15 SCH

ITCC 1304 - Cisco Exploration 2 - Routing Protocols and Concepts
ITNW 2305 - Network Administration
ITSC 1321 - Intermediate PC Operating Systems
ITSC 2339 - Personal Computer Help Desk Support
ITSY 1342 - Information Technology Security

Fourth Semester - 12 SCH

COMM 1307 - Introduction to Mass Communication
ITCC 2308 - Cisco Exploration 3 - LAN Switching and Wireless
ITCC 2310 - Cisco Exploration 4 - Accessing the WAN
ITSC 1364 - Practicum - Computer and Information Sciences, General

Marketable Skills

- Computer Skills
- Critical Thinking
- Teamwork
- Communication
- Technical Proficiency
- Problem Solving
- Social Responsibility
- Decision Making

Program Outcomes

- Demonstrate techniques to design a secure network
- Ability to evaluate resources and make relevant recommendation for purchase or upgrade of a system.
- Recognize the interaction of stand-alone and network devices, operating systems, and applications.
- Identify tools, diagnostic procedure and troubleshooting techniques for networks and personal computer components.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Students may continue their education through an AAS degree.

Career Opportunities

Help desk/technical support specialist; Personal computer technician; Network administrator; Information security specialist; Network technician; Network infrastructure support; Information technology support specialist.

Welding Technology

AAS (60 SCH*)

*Semester Credit Hour

First Semester - 16 SCH

ENGL 1301 - Composition I
MATH 1332 - Contemporary Mathematics
WLDG 1307 - Intro to Welding Using Multi-processes
WLDG 1313 - Intro to Blueprint Reading for Welders
WLDG 1428 - Intro to Shielded Metal Arc Welding

Second Semester - 15 SCH

WLDG 1417 - Intro to Layout and Fabrication
WLDG 1435 - Intro to Pipe Welding
WLDG 1457 - Intermediate Shielded Metal Arc Welding
SPCH 1321 - Business & Professional Communication

Third Semester - 15 SCH

GOVT 2305 - Federal Government
WLDG 1434 - Introduction to Gas Tungsten Arc Welding
WLDG 1453 - Intermediate Layout and Fabrication
WLDG 2406 - Intermediate Pipe Welding

Fourth Semester - 14 SCH

DRAM 1310 - Introduction to Theater
WLDG 1327 - Welding Codes and Standards
WLDG 2443 - Advanced Shielded Metal Arc Welding
WLDG 2451 - Advanced Gas Tungsten Arc Welding

Marketable Skills

Math skills; time and materials management; ability to acquire and evaluate information; interpret and communicate information; oral and written communications skills; computer skills; teamwork; cultural diversity; apply technology to work; creative thinking; decision-making; problem-solving; self-management; construction and industrial safety; oxy-fuel welding and cutting; power sources; electrode selection; shielded metal arc welding; gas metal arc welding and cutting; gas tungsten arc welding; flux-cored arc welding; blueprint reading; measurement; welding codes and standards; layout and fabrication; fillet welds; V-groove welds; plate welding; pipe welding; and 1G, 2G, 5G, 6G positions.

Program Outcomes

- Students earning the Structural Steel Welding certificate will demonstrate proficiency by taking the American Welding Society Certification Test (3G) on plate using SMAW welding process.
- Students earning the Pipe welding certificate will demonstrate proficiency by taking the American Society of Mechanical Engineers section IX test (6G) on 5” pipe using SMAW welding process.
- Students earning the Advanced Welding Shop Technology certificate will demonstrate proficiency by taking the American Society of Mechanical Engineers section IX test (6G) on 2” pipe using the GTAW welding process.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Bachelor of Arts in Applied Science

Career Opportunities

Blueprint reading; layout, cutting and fitting parts; tack and production welding; finishing and material handling; welding fabricators; shop supervisors; estimators and shop owners; pipe welder; and structural steel welder.

Structural Steel Welding

Certificate (18 SCH*)

*Semester Credit Hour

First Semester - 18 SCH

WLDG 1307 - Intro to Welding Using Multi-processes
WLDG 1313 - Intro to Blueprint Reading for Welders
WLDG 1417 - Intro to Layout and Fabrication
WLDG 1428 - Intro to Shielded Metal Arc Welding
WLDG 1457 - Intermediate Shielded Metal Arc Welding

Marketable Skills

Math Skills; manage time and materials; acquire and evaluate information; interpret and communicate information; oral and written communications skills; computer skills; teamwork; cultural diversity; apply technology to work; creative thinking; decision making; problem solving; self-management; Construction and Industrial Safety; Oxy-fuel welding and cutting; Power sources; Electrode Selection; Shielded metal arc welding; Gas metal arc welding and cutting; Gas tungsten arc welding; Flux-cored arc welding; Blueprint Reading; Measurement; Welding Codes and Standards; Layout and Fabrication; Fillet Welds; V-groove Welds; Plate Welding; Pipe welding; 1G, 2G, 5G, 6G positions.

Program Outcomes

- Students earning the Structural Steel Welding certificate will demonstrate proficiency by taking the American Welding Society Certification Test (3G) on plate using SMAW welding process.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Associate of Arts in Applied Science; Bachelor of Arts in Applied Science

Career Opportunities

Blueprint reading; layout, cutting and fitting parts; tack and production welding; finishing and material handling; welding fabricators; shop supervisors; estimators and shop owners; pipe welder; and structural steel welder.

Pipe Welding

Certificate (19 SCH*)

*Semester Credit Hour

First Semester - 19 SCH

WLDG 1327 - Welding Codes and Standards
WLDG 1434 - Intro to Gas Tungsten Arc Welding
WLDG 1435 - Introduction to Pipe Welding
WLDG 1453 - Intermediate Layout and Fabrication
WLDG 2406 - Intermediate Pipe Welding

Marketable Skills

Math Skills; manage time and materials; acquire and evaluate information; interpret and communicate information; oral and written communications skills; computer skills; teamwork; cultural diversity; apply technology to work; creative thinking; decision making; problem solving; self-management; Construction and Industrial Safety; Oxy-fuel welding and cutting; Power sources; Electrode Selection; Shielded metal arc welding; Gas metal arc welding and cutting; Gas tungsten arc welding; Flux-cored arc welding; Blueprint Reading; Measurement; Welding Codes and Standards; Layout and Fabrication; Fillet Welds; V-groove Welds; Plate Welding; Pipe welding; 1G, 2G, 5G, 6G positions.

Program Outcomes

- Students earning the Pipe welding certificate will demonstrate proficiency by taking the American Society of Mechanical Engineers section IX test (6G) on 5" pipe using SMAW welding process.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Associate of Arts in Applied Science; Bachelor of Arts in Applied Science

Career Opportunities

Blueprint reading; layout, cutting and fitting parts; tack and production welding; finishing and material handling; welding fabricators; shop supervisors; estimators and shop owners; pipe welder; and structural steel welder.

Advanced Welding Shop Technology

Certificate (20 SCH*)

*Semester Credit Hour

First Semester - 20 SCH

WLDG 2413 - Intermediate Welding Using Multi-processes
WLDG 2435 - Advanced Layout and Fabrication
WLDG 2443 - Advanced Shielded Metal Arc Welding
WLDG 2451 - Advanced Gas Tungsten Arc Welding
WLDG 2453 - Advanced Pipe Welding

Marketable Skills

Math Skills; manage time and materials; acquire and evaluate information; interpret and communicate information; oral and written communications skills; computer skills; teamwork; cultural diversity; apply technology to work; creative thinking; decision making; problem solving; self-management; Construction and Industrial Safety; Oxy-fuel welding and cutting; Power sources; Electrode Selection; Shielded metal arc welding; Gas metal arc welding and cutting; Gas tungsten arc welding; Flux-cored arc welding; Blueprint Reading; Measurement; Welding Codes and Standards; Layout and Fabrication; Fillet Welds; V-groove Welds; Plate Welding; Pipe welding; 1G, 2G, 5G, 6G positions.

Program Outcomes

- Students earning the Advanced Welding Shop Technology certificate will demonstrate proficiency by taking the American Society of Mechanical Engineers section IX test (6G) on 2" pipe using the GTAW welding process.

High School Endorsements

Business and Industry

Additional Educational Opportunities

Associate of Arts in Applied Science; Bachelor of Arts in Applied Science

Career Opportunities

Blueprint reading; layout, cutting and fitting parts; tack and production welding; finishing and material handling; welding fabricators; shop supervisors; estimators and shop owners; pipe welder; and structural steel welder.

Allied Health

AS (60 SCH*)

*Semester Credit Hour

First Semester - 16 SCH

BIOL 2401 - Anatomy & Physiology I
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - United States History I
PSYC 2301 - General Psychology

Second Semester - 16 SCH

BIOL 2402 - Anatomy & Physiology II
COSC 1301 - Introduction to Computing
ENGL 1302 - Composition II
HIST 1302 - United States History II
PSYC 2314 - Lifespan Growth and Development

Third Semester - 15 SCH

ARTS 1301 - Art Appreciation
COMM 1307 - Introduction to Mass Communication
GOVT 2305 - Federal Government
MATH 1342 - Elementary Statistical Methods
SOCI 1301 - Introduction to Sociology

Fourth Semester - 13 SCH

BIOL 1322 - Nutrition & Diet Therapy
CHEM 1405 - Introductory Chemistry I
GOVT 2306 - Texas Government
SPCH 1315 - Public Speaking

Marketable Skills

- Critical Thinking/Problem Solving
- Written/Oral Communication
- Empirical/Quantitative Reasoning
- Teamwork/Collaboration
- Organization/Time Management
- Research/Planning

Program Outcomes

- Demonstrate knowledge of basic terminology and understanding of major biological concepts.
- Students will demonstrate critical thinking skills that allow them to see the intellectual connections between different disciplines.
- Demonstrate knowledge of the ethical challenges encountered by practitioners of different disciplines.

High School Endorsements

Public Service

Additional Educational Opportunities

Bachelor of Science in Allied Health related programs.

Career Opportunities

Long-term care facilities; Home health agencies; Fire departments; Private and municipal EMS services; Industrial safety; Clinics; Physician offices; Travel nurse; Schools; Telehealth medicine; Insurance companies; Case managers; Medical secretary; Healthcare technician; Medical biller/coder; Medical clinic receptionist; Front office assistant in a physician's office; Unit clerk in a health care facility; Allied health care administrative assistant; Patient registration; Hospitals; Surrgical technician/specialist; Veterinary assistant; Anesthesia technician; Sterile processing technician; Endoscopy technician; Medical services and equipment salesperson; Phlebotomy technician; Mobile radiology.

Emergency Medical Services

AAS (60 SCH*)

*Semester Credit Hour

Prerequisites - 6 SCH

EMSP 1501 - Emergency Medical Technician & EMSP 1160 - Clinical - Emergency Medical Technology / Technician (EMT Paramedic)

First Semester - 15 SCH

BIOL 2401 - Anatomy & Physiology I
EMSP 1161 - Clinical - Emergency Medical Technology / Technician (EMT Paramedic)
EMSP 1356 - Patient Assessment and Airway Management
EMSP 1438 - Introduction to Advanced Practice
EMSP 2306 - Emergency Pharmacology

Second Semester - 15 SCH

EMSP 1162 - Clinical - Emergency Medical Technology / Technician (EMT Paramedic)
EMSP 1355 - Trauma Management
EMSP 2434 - Medical Emergencies
EMSP 2444 - Cardiology
MUSI 1306 - Music Appreciation

Third Semester - 11 SCH

EMSP 2160 - Clinical - Emergency Medical Technology / Technician (EMT Paramedic)
EMSP 2243 - Assessment Based Management
EMSP 2266 - Practicum (or Field Experience- Emergency Medical Technician / Technician (EMT Paramedic)
EMSP 2305 - EMS Operations
EMSP 2330 - Special Populations

Fourth Semester - 13 SCH

PSYC 2301 - General Psychology
ENGL 1301 - Composition I
COSC 1301 - Introduction to Computing
BIOL 2402 - Anatomy & Physiology II

Marketable Skills

- Attitude for success
- Communication techniques
- Critical thinking
- Computer application
- Leadership / Management Qualities.

Program Outcomes

- Demonstrate competency and the knowledge to recognize and care for a medical emergency.
- Demonstrate competency and the knowledge to recognize and care for a trauma emergency.
- Demonstrate competency in endotracheal intubation (ET).
- Demonstrate competency of intravenous catheterization (IV).
- Demonstrate competency of medication administration.

High School Endorsements

Public Service

Additional Educational Opportunities

Bachelor of Arts in Applied Science

Career Opportunities

Fire Department; Private and Municipal EMS Services; Hospital Emergency Departments; Industrial Safety; and Flight Services.

EMT Paramedic

Certificate (43 SCH*)

*Semester Credit Hour

Prerequisites - 6 SCH

EMSP 1501 - Emergency Medical Technician & EMSP 1160 - Clinical - Emergency Medical Technology / Technician (EMT Paramedic)

First Semester - 14 SCH

EMSP 1161 - Clinical - Emergency Medical Technology / Technician (EMT Paramedic)
EMSP 1356 - Patient Assessment and Airway Management
EMSP 1438 - Introduction to Advanced Practice
EMSP 2306 - Emergency Pharmacology
MDCA 1309 - Anatomy & Physiology for Medical Assistants

Second Semester - 12 SCH

EMSP 1162 - Clinical - Emergency Medical Technology / Technician (EMT Paramedic)
EMSP 1355 - Trauma Management
EMSP 2434 - Medical Emergencies
EMSP 2444 - Cardiology

Third Semester - 11 SCH

EMSP 2160 - Clinical - Emergency Medical Technology / Technician (EMT Paramedic)
EMSP 2243 - Assessment Based Management
EMSP 2266 - Practicum - Emergency Medical Technician / Technician (EMT Paramedic)
EMSP 2305 - EMS Operations
EMSP 2330 - Special Populations

Marketable Skills

- Attitude for success
- Communication techniques
- Critical thinking
- Computer application
- Leadership / Management Qualities.

Program Outcomes

- Demonstrate competency and the knowledge to recognize and care for a medical emergency.
- Demonstrate competency and the knowledge to recognize and care for a trauma emergency.
- Demonstrate competency in endotracheal intubation (ET).
- Demonstrate competency of intravenous catheterization (IV).
- Demonstrate competency of medication administration.

High School Endorsements

Public Service

Additional Educational Opportunities

Students may pursue an Associate of Applied Science.

Career Opportunities

Fire Department; Private and Municipal EMS Services; Hospital Emergency Departments; Industrial Safety; and Flight Services.

Enhanced Nurse Aide

Certificate (25 SCH*)

*Semester Credit Hour

First Semester - 12 SCH

HPRS 1201 - Introduction to Health Professions
HPRS 1204 - Basic Health Profession Skills
NURA 1260 - Clinical - Nursing Assistant/Aide & Patient Care Assistant/Aide
NURA 1301 - Nurse Aide for Health Care
LTCA 1312 - Resident Care in the Long Term Facility

Second Semester - 13 SCH

EMSP 1305 - Emergency Care Attendant
HPRS 1102 - Wellness and Health Promotion
MDCA 1309 - Anatomy and Physiology for Medical Assistants
PLAB 1223 - Phlebotomy
PLAB 1260 - Clinical - Phlebotomy/Phlebotomist
SPNL 1201 - Health Care Spanish

Marketable Skills

- Well organized
- Communication techniques
- Patient care skills

Program Outcomes

- Demonstrate the competencies to successfully complete the duties and requirements of a Certified Nurse Aide.
- Demonstrate the competencies to perform the duties of a phlebotomist.
- Demonstrate the competencies to successfully perform as an Emergency Care Attendant.
- Communicate the legal requirements of managing a long-term care facility.
- Communicate appropriate medical terminology in English and Spanish.

High School Endorsements

Public Service

Additional Educational Opportunities

Students may pursue a vocational nursing certificate.

Career Opportunities

Hospitals; Clinics; Long-term care facilities; Home health agencies.

LVN to ADN Program

AAS (60 SCH*)

*Semester Credit Hour

Prerequisites- 26 SCH

BIOL 1322 - Nutrition & Diet Therapy
BIOL 2401 - Anatomy & Physiology I
BIOL 2402 - Anatomy & Physiology II
PSYC 2301 - General Psychology
PSYC 2314 - Lifespan Growth & Development
ENGL 1301 - Composition I
VNSG 1304* - Foundations of Nursing
VNSG 1323* - Basic Nursing Skills
** requirement met with valid LVN license*

First Semester - 4 SCH (Fall)

RNSG 1227 - Transition to Professional Nursing
RNSG 1262 - Clinical - Registered Nursing/ Registered Nurse

Second Semester - 17 SCH (Spring)

BIOL 2420 - Microbiology for Non-Science Majors
RNSG 2514 - Integrated Care of the Patient with Complex Healthcare Needs
RNSG 2560 - Clinical - Registered Nursing/ Registered Nurse
SOCI 1301 - Introduction to Sociology

Third Semester - 13 SCH (Summer Long)

MUSI 1306 - Music Appreciation
RNSG 2535 - Integrated Patient Care Management
RNSG 2561 - Clinical - Registered Nursing/ Registered Nurse

Marketable Skills

- Attitude for success
- Communication techniques
- Critical thinking
- Computer application
- Leadership / Management Qualities.

Program Outcomes

- Apply clinical decision-making skills utilizing the nursing process when formulating clinical judgments.
- Manage safe, competent, holistic care for a diverse group of patients within the scope of the professional nurse.
- Communicate therapeutically and effectively with individuals, significant support persons, and members of the multidisciplinary healthcare team.
- Demonstrate mastery of theoretical concepts necessary for managing patient care.

High School Endorsements

Public Service

Additional Educational Opportunities

Students may pursue a BSN.

Career Opportunities

Hospitals; Vocational nurse educator; Clinics; Long-Term Care; Physician offices; Management positions; Industry; Travel Nurse; Schools; Telehealth medicine; Home health agencies; Insurance companies; Case managers; Flight nurse.

Medical Office Management & Billing

Certificate (36 SCH*)

*Semester Credit Hour

Academic Support Courses - 12 SCH

COSC 1301 - Introduction to Computing
HITT 1305 - Medical Terminology I
HPRS 2300 - Pharmacology for Health Professions
MDCA 1309 - Anatomy and Physiology for Medical Assistants

First Semester - 12 SCH (Summer)

HITT 2340 - Advanced Medical Billing and Reimbursement
MDCA 1343 - Medical Insurance
POFM 1300 - Basic Medical Coding
POFM 1302 - Medical Software Applications

Second Semester - 12 SCH

HITT 2335 - Coding and Reimbursement Methodologies
ITSW 1304 - Introduction to Spreadsheets
POFT 1364 - Practicum - Administrative Assistant & Secretarial Science, General
POFT 2312 - Business Correspondence & Communication

Marketable Skills

- Critical Thinking
- Communication
- Teamwork
- Personal Responsibility
- Social Responsibility
- Computer Skills
- Organizational Skills
- Customer Service
- Experience Through Volunteer Medical Office Work

Program Outcomes

- Medical Terminology
- Basic Clinic Operating Procedures
- Medical Office Billing Practices
- Electronic Health Records
- Good working knowledge of anatomy and physiology
- General Knowledge of ICD-10 and & CPT Coding
- Submission of claims to insurance carriers
- Answering inquiries on a timely basis
- Microsoft Office Word, Excel, PowerPoint

High School Endorsements

Public Service

Additional Educational Opportunities

Associate Degree, Bachelor or Master Degree in Business Administration, Public Health, or Health Administration

Career Opportunities

Medical secretary; Healthcare technician; Medical biller/coder; Medical clinic receptionist; Front office assistant in a physician's office; Unit clerk in a health care facility; Allied health care administrative assistant; Patient registration.

Medical Records Coding

Certificate (34 SCH*)

*Semester Credit Hour

Academic Support Courses - 12 SCH

HITT 1305 - Medical Terminology I
HPRS 2301 - Pathophysiology
ITSC 1309 - Integrated Software Applications I
MDCA 1309 - Anatomy and Physiology for Medical Assistants

First Semester - 6 SCH (Summer)

HITT 1301 - Health Data Content and Structure
HPRS 2300 - Pharmacology for Health Professions

Second Semester - 11 SCH

HITT 1345 - Health Care Delivery Systems
HITT 1441 - Coding and Classification Systems
HITT 1442 - Ambulatory Coding

Third Semester - 5 SCH

HITT 1266 - Practicum - Health Information/Medical Records Technology/Technician
HITT 2335 - Coding & Reimbursement Methodologies

Marketable Skills

- Attitude for Success
- Communication Techniques
- Critical Thinking
- Computer Application
- Leadership/Management Qualities

Program Outcomes

- Analyze health records for documentation that reflects the correct DRG assignment.
- Analyze health records for documentation that reflects the correct selection of the principal diagnosis.
- Analyze health records for documentation that reflects the correct discharge status.

High School Endorsements

Public Service

Additional Educational Opportunities

May pursue Associate Science Health Information Management.

Career Opportunities

Physician offices; Hospitals; Clinics.

Radiology Technology

AAS (60 SCH*)

*Semester Credit Hour

First Semester - 14 SCH (Spring)

BIOL 2401 - Anatomy & Physiology I
RADR 1201 - Introduction to Radiography
RADR 1266 - Practicum - Radiologic Technology/ Science - Radiographer
RADR 1311 - Basic Radiographic Procedures
RADR 1303 - Patient Care

Second Semester - 11 SCH (Summer)

BIOL 2402 - Anatomy & Physiology II
RADR 1213 - Principles of Radiographic Imaging I
RADR 1267 - Practicum - Radiologic Technology/ Science - Radiographer
RADR 2301 - Intermediate Radiographic Procedures

Third Semester - 13 SCH

MUSI 1306 - Music Appreciation
PSYC 2301 - General Psychology
RADR 2209 - Radiographic Imaging Equipment
RADR 2266 - Practicum - Radiologic Technology/ Science - Radiographer
RADR 2331 - Advanced Radiographic Procedures

Fourth Semester - 13 SCH

ENGL 1301 - Composition I
MATH 1314 - College Algebra
RADR 2205 - Principles of Radiographic Imaging II
RADR 2213 - Radiation Biology and Protection
RADR 2366 - Practicum - Radiologic Technology/ Science - Radiographer

Fifth Semester - 4 SCH

RADR 2233 - Advanced Medical Imaging
RADR 2267 - Practicum

Sixth Semester - 5 SCH

RADR 2235 - Radiologic Technology Seminar
RADR 2367 - Practicum

Marketable Skills

- Critical Thinking
- Communication
- Leadership/Management
- Professionalism/Personal Qualities
- Foundation in math and science
- Lifelong learner
- Safety – radiation protection
- Detail Oriented
- Interpersonal skills
- Physical Stamina

Program Outcomes

- Demonstrate proper patient positioning and technical factors required for digital imaging.
- Demonstrate radiation protection.
- Demonstrate effective communication skills with patients and members of the healthcare team.
- Demonstrate professionalism in clinical situations.
- Demonstrate exemplary customer service.
- Demonstrate critical thinking in trauma situations.

High School Endorsements

Public Service

Additional Educational Opportunities

May pursue a bachelor's degree in radiology.

Career Opportunities

Hospitals; Home Health; Clinics; Mobile radiology; Physician offices.

Surgical Technology

Certificate (45 SCH*)

*Semester Credit Hour

Academic Support Courses - 17 SCH*

BIOL 2401 - Anatomy & Physiology I
BIOL 2402 - Anatomy & Physiology II
HITT 1305 - Medical Terminology I
HPRS 2300 - Pharmacology for Health Professions
HPRS 2301 - Pathophysiology
Courses can be taken prior to or during the program

First Semester - 12 SCH (Summer)

BIOL 2420 - Microbiology for Non-Science Majors
SRGT 1405 - Introduction to Surgical Technology
SRGT 1409 - Fundamentals of Perioperative Concepts & Techniques

Second Semester - 8 SCH

SRGT 1441 - Surgical Procedures I
SRGT 2461 - Clinical - Surgical Technology/ Technologist

Third Semester - 8 SCH

SRGT 1442 - Surgical Procedures II
SRGT 2462 - Clinical - Surgical Technology/ Technologist

Marketable Skills

Working knowledge of anatomy and physiology; Understanding and correct use of medical terminology/language; Knowledge of medical-related policies/procedures; Knowledge of patient-care rights/responsibilities; Knowledge of care/usage of surgical; instrumentation/equipment/supplies; Sterile technique/ aseptic care and practice; Flexibility and organizational skills; Ability to problem-solve and prioritize; Effective communication, dependability, honesty, integrity, and teamwork.

Program Outcomes

- Competent entry-level Surgical Technologist:
  - » Instrumentation, Equipment and Supplies
  - » Principles of Asepsis
  - » Multi-specialty Surgical Intervention Techniques
- Standards of Professional Practice
- Certification Ready - National Board Exam, CST
- Transferrable Skills and Course Credit: AS, BS, etc.

High School Endorsements

Public Service

Additional Educational Opportunities

AD Surgical Technologist or First Assistant
BS Surgical Assistant, MS Surgical-PA

Career Opportunities

Surgical technician/specialist; Surgery scheduler; Surgical first-assistant veterinary assistant; Anesthesia technician; Sterile processing technician; Endoscopy technician; Materials management/inventory control; Labor and delivery technician; Medical services and equipment salesperson; Phlebotomy technician.

Vocational Nursing

Certificate (51 SCH*)

*Semester Credit Hour

Academic Prerequisites - 11 SCH*

BIOL 2401 - Anatomy & Physiology I
BIOL 2402 - Anatomy & Physiology II
PSYC 2314 - Lifespan Growth and Development

First Semester - 8 SCH (Summer I)

HPRS 2300 - Pharmacology for Health Professions
VNSG 1204 - Foundations of Nursing
VNSG 1323 - Basic Nursing Skills

Second Semester - 8 SCH (Summer II)

BIOL 1322 - Nutrition & Diet Therapy
VNSG 1160 - Clinical - Licensed Practical/ Vocational Nurse Training
VNSG 1400 - Nursing in Health & Illness I

Third Semester - 12 SCH

VNSG 1409 - Nursing in Health & Illness II
VNSG 1429 - Medical-Surgical Nursing I
VNSG 1460 - Clinical - Licensed Practical/ Vocational Nurse Training

Fourth Semester - 12 SCH

VNSG 1230 - Maternal - Neonatal Nursing
VNSG 1263 - Clinical - Licensed Practical/ Vocational Nurse Training
VNSG 2410 - Nursing in Health & Illness III
VNSG 2460 - Clinical - Licensed Practical/ Vocational Nurse Training

Marketable Skills

- Attitude for Success
- Communication Techniques
- Critical Thinking
- Computer Application
- Leadership/management Qualities

Program Outcomes

- Develop, implement and individualize a teaching care plan for a patient with well defined learning needs.
- Exhibit professional nursing behaviors by participating in the nursing process.
- Demonstrate safe, direct patient care at the bedside in relatively stable situations; progressing to semi-complex and complex with supervision.
- Recognize the importance of upgrading theoretical and practicum skills through the continued learning processes as mandated by Texas Board of Nursing for continuing education.

High School Endorsements

Public Service

Additional Educational Opportunities

Students may pursue an Associate Applied Science in Nursing (RN)

Career Opportunities

Physician offices; Home health agencies; Hospitals; Medical supply businesses; Clinics; Schools; Long-term care facilities.

Multidisciplinary Studies

AS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

COSC 1301 - Introduction to Computing
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - English I
HIST 1301 - United States History I
MATH 1342 - Elementary Statistical Methods

Second Semester - 15 SCH

DRAM 1310 - Introduction to Theater
ENGL 1302 - Composition II
HIST 1302 - United States History II
PSYC 2301 - General Psychology
SPCH 1315 - Public Speaking

Third Semester - 15 SCH

BIOL 1322 - Nutrition & Diet Therapy
GOVT 2305 - Federal Government
HIST 2311 - Western Civilization
Six hours of electives

Fourth Semester - 15 SCH

GOVT 2306 - Texas Government
PHYS 1303 - Stars and Galaxies
SOCI 1301 - Introduction to Sociology
Six hours of electives

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

High School Endorsements

Multidisciplinary Studies

Program Outcomes

- Demonstrate critical thinking skills which indicate that the student can see the intellectual connections between different disciplinary fields.
- Demonstrate knowledge of the ethical challenges encountered by practitioners of different intellectual disciplines.
- Demonstrate knowledge of civic responsibility and the characteristics of regional, national, and global communities.

Transfer Path / Requirements

- Student should refer to the catalog of the institution to which he/she plans to transfer for degree requirements.

For Texas A&M University - Commerce and Texas A&M University - Texarkana:

- A student completing the Paris Junior College core curriculum is considered Core complete at Texas A&M Commerce and Texarkana.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce or Texarkana. Another 60 or more must be completed at TAMU-Commerce or Texarkana.
- At TAMU-Commerce, a Bachelor of Arts/Bachelor of Science is offered in Interdisciplinary Studies (Elementary Education).
- TAMU-Texarkana offers a Bachelor of General Studies degree.

Career Opportunities

Journalist; Script Writer; Advertising; Tour Guide/Planner; Sales; Foreign Correspondent; Archivist; Human Resources Representative; Curator; Import/Export Representative; Public Relations; Public Policy Analyst.

* Depends on how students tailor their curricula, as different fields can be combined to prepare the student for various careers after completing a bachelaureate degree.

Biology

AS (60 SCH*)

*Semester Credit Hour

First Semester - 17 SCH

BIOL 1406 - Biology for Science Majors I
CHEM 1411 - General Chemistry I
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
MATH 1314 - College Algebra

Second Semester - 14 SCH

BIOL 1407 - Biology for Science Majors II
CHEM 1412 - General Chemistry II
COSC 1301 - Introduction to Computing
ENGL 1302 - Composition II

Third Semester - 16 SCH

CHEM 2423 - Organic Chemistry I
GOVT 2305 - Federal Government
HIST 1301 - United States History I
MUSI 1306 - Music Appreciation
PSYC 2314 - Lifespan Growth & Development

Fourth Semester - 13 SCH

CHEM 2425 - Organic Chemistry II
GOVT 2306 - Texas Government
HIST 1302 - United States History II
HIST 2311 - Western Civilization I

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

High School Endorsements

STEM

Program Outcomes

- Demonstrate mastery of the processes of science, the scientific method and established scientific knowledge.
- Demonstrate knowledge of basic terminology and understanding of major biological concepts.
- Use appropriate laboratory techniques and equipment safely and proficiently.

Transfer Path / Requirements

For Texas A&M Commerce

- A student completing the Paris Junior College curriculum is considered Core complete at Texas A&M Commerce.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the Biology major, 8 advanced courses are required by TAMU-Commerce: BSC 303 (Cell Biology) plus 7 courses in evolution/ecology, physiology, and genetics.
- Required support courses include 2 in college physics, calculus 1, and MATH 453 (Essential Statistics).

Career Opportunities

Biochemist; Biophysicist; Exercise physiologist; Microbiologist/Epidemiologist; Veterinarian; Zoologist; Wildlife biologist; Nurse anesthetist; Secondary school teacher; Nurse practitioners; Dentists; Medical & Clinical laboratory technologist; Dietitian; Nutritionist; Diagnostic medical sonographer; Pre-professional studies; Public health and safety specialists; Pharmacists; Genetic counselors; Physician; Surgeon; Sales representative; Scientific products.

Chemistry

AS (60 SCH*)

*Semester Credit Hour

First Semester - 16 SCH

CHEM 1411 - General Chemistry I
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - United States History I
MATH 2312 - Pre-calculus Math

Second Semester - 16 SCH

ARTS 1301 - Art Appreciation
CHEM 1412 - General Chemistry II
COSC 1301 - Introduction to Computing
ENGL 1302 - Composition II
HIST 1302 - United States History II

Third Semester - 14 SCH

CHEM 2423 - Organic Chemistry I
ECON 2301 - Prin Macro Economics
GOVT 2305 - Federal Government
MATH 2413 - Calculus I

Fourth Semester - 14 SCH

CHEM 2425 - Organic Chemistry II
GOVT 2306 - Texas Government
HIST 2311 - Western Civilization I
MATH 2414 - Calculus II

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

High School Endorsements

STEM

Program Outcomes

- Demonstrate mastery of the processes of science, the scientific method and established scientific knowledge.
- Demonstrate knowledge of basic terminology and understanding of major physical science concepts.
- Use appropriate laboratory techniques and equipment safely and proficiently.

Transfer Path / Requirements

For Texas A&M Commerce

- A student completing the Paris Junior College curriculum is considered Core complete at Texas A&M Commerce.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the Chemistry major, 8 advanced courses are required by TAMU-Commerce: Chem 351 (Physical Chemistry) plus 7 courses in quantitative, biochemistry, and inorganics.
- Required support courses include 2 in university physics, and calculus 3.

Career Opportunities

Chemists and Materials scientists; Dentists; Chemical engineers; Veterinarians; Biochemists; Biophysicists; Nurse Anesthetists; Physical Scientists (all other); Physician assistants; Chemistry teachers (postsecondary); Medical and Clinical laboratory technologists; Secondary school teachers; Nuclear medicine technologists; Pharmacists; Family and General Practitioners; Anesthesiologists.

Computer Science

AS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH	Second Semester - 15 SCH
COSC 1301 - Introduction to Computing	DRAM 1310 - Introduction to Theater
EDUC/PSYC 1300 - Learning Framework	ENGL 1302 - Composition II
ENGL 1301 - Composition I	HIST 1302 - United States History II
HIST 1301 - United States History I	MATH 2312 - Pre-Calculus Math
MATH 1314 - College Algebra	SPCH 1321 - Business & Professional Communication

Third Semester - 17 SCH	Fourth Semester - 13 SCH
COSC 1336 - Programming Fundamentals I	COMM 1307 - Introduction to Mass Communication
ECON 2302 - Principles of Microeconomics	COSC 1337 – Programming Fundamentals II
GOVT 2305 - Federal Government	GOVT 2306 - Texas Government
MATH 2413 - Calculus I	PHYS 1402 - College Physics II
PHYS 1401 - College Physics I	

Marketable Skills

Computer Skills; Teamwork; Critical Reasoning; Technical Proficiency; Communication; Personal Responsibility; Analytical Skills; Problem Solving.

Program Outcomes

- Analyze a problem definition to identify inputs, processes, and outputs required to present a viable solution.
- Utilize industry standard application software to produce personal, business, and academic reports and presentations.
- Demonstrate knowledge of computer Industry terminology and jargon.
- Recognize the interaction of stand-alone and network devices, operating systems, and applications.

High School Endorsements

STEM

Additional Educational Opportunities

Students should consider a BS and MS in Computer Information Systems, Computer Science, or Management Information Systems.

Career Opportunities

Programming; Database administrator; Systems development/analysis; Computer support specialist; Software development; Web developer; Computer engineer.

Engineering

AS (60 SCH*)

*Semester Credit Hour

First Semester - 16 SCH

CHEM 1411 - General Chemistry I
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - United States History I
MATH 2312 - Pre-Calculus Math

Second Semester - 16 SCH

CHEM 1412 - General Chemistry II
COSC 1301 - Introduction to Computing
ENGL 1302 - Composition II
HIST 1302 - United States History II
MUSI 1306 - Music Appreciation

Third Semester - 14 SCH

ECON 2301 - Principles of Macroeconomics
GOVT 2305 - Federal Government
MATH 2413 - Calculus I
PHYS 2425 - University Physics I

Fourth Semester - 14 SCH

GOVT 2306 - Texas Government
HIST 2311 - Western Civilization I
MATH 2414 - Calculus II
PHYS 2426 - University Physics II

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

High School Endorsements

STEM

Program Outcomes

- Demonstrate mastery of the processes of science, the scientific method and established scientific knowledge.
- Demonstrate knowledge of basic terminology and understanding of major physical science concepts.
- Use appropriate laboratory techniques and equipment safely and proficiently.

Transfer Path / Requirements

For Texas A&M Commerce

- A student completing the Paris Junior College curriculum is considered Core complete at Texas A&M - Commerce.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the Engineering major several advanced courses are required by TAMU-Commerce: ENGR 210 (Engineering Mechanics) plus courses in statistics, management, computing, and systems engineering, Many courses will be specific to the engineering track chosen.
- Required support courses include differential equations, linear algebra and calculus 3.

Career Opportunities

Aerospace engineers; Industrial engineers (including health and safety); Agricultural engineers; Marine engineers; Naval architects; Biomedical engineers; Materials engineers; Chemical engineers; Mechanical engineers; Civil engineers; Mining / Geological engineers; Computer hardware engineers; Nuclear engineers; Electrical / Electronics engineers; Petroleum engineers; Environmental engineers; Engineers (all other); Drafters, engineering and mapping technicians.

Geology

AS (60 SCH*)

*Semester Credit Hour

First Semester - 16 SCH

EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
GEOL 1403 - Physical Geology
HIST 1301 - United States History I
MATH 1314 - College Algebra

Second Semester - 16 SCH

ARTS 1301 - Art Appreciation
COSC 1301 - Introduction to Computing
ENGL 1302 - Composition II
GEOL 1404 - Historical Geology
HIST 1302 - United States History II

Third Semester - 14 SCH

BIOL 1407 - Biology for Science Majors II
CHEM 1411 - General Chemistry I
GOVT 2305 - Federal Government
SOCI 1301 - Introduction to Sociology

Fourth Semester - 14 SCH

CHEM 1412 - General Chemistry II
GOVT 2306 - Texas Government
HIST 2311 - Western Civilization I
PHYS 1401 - College Physics I

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

High School Endorsements

STEM

Program Outcomes

- Demonstrate mastery of the processes of science, the scientific method and established scientific knowledge.
- Demonstrate knowledge of basic terminology and understanding of major science concepts.
- Use appropriate laboratory techniques and equipment safely and proficiently.

Transfer Path / Requirements

For Texas A&M Commerce

- A student completing the Paris Junior College curriculum is considered Core complete at Texas A&M Commerce.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the Geology major, 10 advanced courses are required by TAMU-CS: GEOL 312 (Structural/Tectonics) plus 9 courses in geochemistry, field methods, minerology, historical geology, and geophysics.
- Required support courses include 2 in university physics and a summer field geology capstone.

Career Opportunities

Environmental scientist / specialist; Secondary school teacher; Geoscientist; Geographer; Soil / Plant scientist; Hydrologist; Petroleum engineer; Geological technician; Surveyor; Cartographers; Photogrammetrist; Petroleum technicians; Mining / Geological engineer; Physical sciences teacher (postsecondary); Surveying and Mapping technician.

Mathematics

AS (60 SCH*)

*Semester Credit Hour

First Semester - 16 SCH

EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - United States History I
MATH 2312 - Pre-Calculus Math
PHYS 1401 - College Physics I

Second Semester - 14 SCH

ENGL 1302 - Composition II
HIST 1302 - United States History II
MATH 2413 - Calculus I
PHYS 1402 - College Physics II

Third Semester - 16 SCH

COMM 1307 - Introduction to Mass Communication
COSC 1301 - Introduction to Computing
ECON 2301 - Principles of Macroeconomics
GOVT 2305 - Federal Government
MATH 2414 - Calculus II

Fourth Semester - 14 SCH

GOVT 2306 - Texas Government
MATH 2415 - Calculus III
MUSI 1306 - Music Appreciation
PHYS 2425 - University Physics I

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

High School Endorsements

STEM

Program Outcomes

- Apply algebric, analytic, geometric, or statistical reasoning to solve abstract and applied problems appropriate to an individual discipline.
- Interpret mathematical, quantitative or symbolic models such as formulas, graphs and tables, and draw inferences from them.
- Construct and interpret mathematical models using numerical, graphical, symbolic, and verbal representations with the help of technology in order to draw conclusions or make predictions.

Transfer Path / Requirements

For Texas A&M Commerce

- A student completing the PJC curriculum is considered Core complete at Texas A&M - Commerce.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the Mathematics major, eight advanced math courses are required by TAMU-Commerce after the Calculus sequence.
- Students who are considering teaching in high schools or middle schools must follow guidelines set for teacher certification.
- Students should refer to the catalog of the institution to which he/she plans to transfer for degree requirements.

Career Opportunities

Actuary; Computer scientist; Animator; Cryptanalyst; Architect; Economist; Biologist; Electrical engineer; Budget analyst; Forensic analyst; Cartographer; Geographer; Chemical engineer; Hydrologist; Climatologist; Market research analyst; College professor.

Physics

AS (60 SCH*)

*Semester Credit Hour

First Semester - 16 SCH

CHEM 1411 - General Chemistry I
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - United States History I
MATH 2312 - Pre-Calculus Math

Second Semester - 16 SCH

CHEM 1412 - General Chemistry II
COSC 1301 - Introduction to Computing
ENGL 1302 - Composition II
HIST 1302 - United States History II
MUSI 1306 - Music Appreciation

Third Semester - 14 SCH

ECON 2301 - Principles of Macroeconomics
GOVT 2305 - Federal Government
MATH 2413 - Calculus I
PHYS 2425 - University Physics I

Fourth Semester - 14 SCH

HIST 2311 - Western Civilization I
GOVT 2306 - Texas Government
MATH 2414 - Calculus II
PHYS 2426 - University Physics II

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

High School Endorsements

STEM

Program Outcomes

- Demonstrate mastery of the processes of science, the scientific method and established scientific knowledge.
- Demonstrate knowledge of basic terminology and understanding of major physical science concepts.
- Use appropriate laboratory techniques and equipment safely and proficiently.

Transfer Path / Requirements

For Texas A&M Commerce

- A student completing the Paris Junior College curriculum is considered Core complete at Texas A&M Commerce.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-C. Another 60 or more must be completed at TAMU-C.
- For the Physics major, 11 advanced courses are required by TAMU-Commerce: PHYS 412 (Electricity and Magnetism) plus 10 courses in quantum mechanics, waves and motion, astronomy, and mathematical/computational physics.
- Required support courses include differential equations and calculus 3.

Career Opportunities

Physical scientists; Radiologic technologist; Astronomers; Magnetic resonance imaging technologist; Physicist; Physics teachers (postsecondary); Atmospheric / Space scientist; Secondary school teacher; Materials scientists; Nuclear medicine technologist; Physical scientist (all other).

Government

AS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

BIOL 1322 - Nutrition & Diet Therapy
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - United States History I
MATH 1342 - Elementary Statistical Methods

Second Semester - 15 SCH

COSC 1301 - Introduction to Computing
DRAM 1310 - Introduction to Theater
ENGL 1302 - Composition II
HIST 1302 - United States History II
PHYS 1303 - Stars and Galaxies

Third Semester - 15 SCH

ECON 2301 - Principles of Macroeconomics
ENGL 2322 - British Literature I
GOVT 2305 - Federal Government
PSYC 2301 - General Psychology
SPCH 1315 - Public Speaking

Fourth Semester - 15 SCH

ENGL 2323 - British Literature II
ENGL 2327 - American Literature I
GOVT 2306 - Texas Government
HIST 2312 - Western Civilization II
SOCI 1301 - Introduction to Sociology

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

High School Endorsements

Social & Behavioral Sciences

Program Outcomes

- Demonstrate comprehension of the origins and evolution of the U.S. political system with a focus on the growth of political institutions.
- Demonstrate ability to analyze the influence of interest groups, political parties, and the media on U.S. policy-making.
- Demonstrate knowledge of the legislative branch, the courts, and the executive branch.

Transfer Path / Requirements

For Texas A&M Commerce

- A student completing the PJC curriculum is considered Core complete at TAMU-C.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-C. Another 60 or more must be completed at TAMU-C.
- For the Political Science major, ten advanced courses are required by TAMU-C: PSCI 330 (Intro to Political Science), PSCI 335 (Political Economy), PSCI 488 (Contemporary Ideas), and one or more courses in each of these areas: Political Theory & Philosophy, Public Policy, American Political Processes, American Political Institutions, Comparative Politics, International Relations.
- Students should take both GOVT 2305 and 2306 at PJC before transferring to another institution.
- Students who are considering teaching in high schools or middle schools must follow guidelines set for teacher certification.
- Students should refer to the catalog of the institution to which he/she plans to transfer for degree requirements.

Career Opportunities

Public policy analyst; Urban planner; Paralegal; Program plans analyst; Research analyst; City Manager; Public administrator; Journalist; Budget analyst; Foreign Service/Diplomatic Corps; Law enforcement; Community affairs specialist; Teacher; Contracts specialist; Campaign worker; Lobbyist; Social worker; Legislative, judicial, or executive aide; Political consultant; Non-Profit or NGO analyst.

History

AS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH	Second Semester - 15 SCH
EDUC/PSYC 1300 - Learning Framework	ARTS 1301 - Art Appreciation
ENGL 1301 - Composition I	COSC 1301 - Introduction to Computing
HIST 1301 - United States History I	ENGL 1302 - Composition II
MATH 1332 - Contemporary Mathematics	HIST 1302 - United States History II
PHYS 1303 - Stars & Galaxies	PHYS 1304 - Solar System

Third Semester - 15 SCH	Fourth Semester - 15 SCH
ENGL 2327 - American Literature I	ENGL 2328 - American Literature II
GOVT 2305 - Federal Government	GOVT 2306 - Texas Government
HIST 2311 - Western Civilization I	HIST 2301 - Texas History
PSYC 2301 - General Psychology	HIST 2312 - Western Civilization II
SPCH 1315 - Public Speaking	SOCI 1301 - Introductory Sociology

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

High School Endorsements

Social & Behavioral Sciences

Program Outcomes

- Create an argument through the use of historical evidence.
- Analyze and interpret primary and secondary sources.
- Analyze the effects of historical, social, political, economic, cultural, and global forces on U.S. and world history.

Transfer Path / Requirements

For Texas A&M Commerce

- A student completing the Paris Junior College curriculum is considered Core complete at Texas A&M Commerce.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the History major, 12 advanced courses are required by TAMU-Commerce.
- Students who are considering teaching in high schools or middle schools must follow guidelines set for teacher certification.

Career Opportunities

Public school teacher; Research analyst; College instructor; Foreign Service/Diplomatic Corps; Government specialist; Lobbyist; Grant writer; Print or broadcast journalist; Filmmaker; Public administration; Political campaign worker; Records manager; Lawyer; Archivist; Museum curator; Historic preservation.

Psychology

AS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - United States History I
MATH 1314 - College Algebra
PHYS 1303 - Stars and Galaxies

Second Semester - 15 SCH

BIOL 1322 - Nutrition & Diet Therapy
COSC 1301 - Introduction to Computing
ENGL 1302 - Composition II
HIST 1302 - United States History II
PSYC 2301 - General Psychology

Third Semester - 15 SCH

GOVT 2305 - Federal Government
MATH 1342 - Elementary Statistical Methods
PSYC 2314 - Lifespan Growth and Development
SOCI 1301 - Introduction to Sociology
SPCH 1315 - Public Speaking

Fourth Semester - 15 SCH

COMM 1307 - Introduction to Mass Communication
DRAM 1310 - Introduction to Theater
GOVT 2306 - Texas Government
PSYC 2315 - Psychology of Adjustment
SOCI 1306 - Social Problems

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

High School Endorsements

Social & Behavioral Sciences

Program Outcomes

- Demonstrate knowledge of the major theoretical perspectives in psychology.
- Demonstrate the ability to interpret what constitutes valid research in the field of psychology.
- Identify differences and commonalities within diverse cultures and the effects of cultural forces on human behavior and mental processes.

Transfer Path / Requirements

For Texas A&M Commerce

- A student completing the PJC curriculum is considered Core complete at Texas A&M Commerce.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the Psychology major, thirteen advanced courses are required by TAMU-Commerce: Psychology Core courses, plus Psychology Natural Science Core, Psychology Social Science Core, Psychology Development Core, Psychology Applied Core, Psychology Special Topic and Psychology Independant Study.

Career Opportunities

Teacher management analyst; Victim advocate; market research analyst; Community service manager; Administrative service manager; Health educator; School psychologist; Public relations specialist; Counselor; Social worker; Clinical psychologist; Family intervention specialist; Industrial/Organizational psychologist; Qualified intellectual disability professional; Developmental psychologist; Early intervention specialist; Social psychologist; Human resources specialist; Experimental/Research psychologist.

Sociology

AS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - United States History I
MATH 1342 - Elementary Statistical Methods
PHYS 1303 - Stars and Galaxies

Second Semester - 15 SCH

COSC 1301 - Introduction to Computing
ENGL 1302 - Composition II
HIST 1302 - United States History II
SOCI 1301 - Introduction to Sociology
PHYS 1304 - Solar System

Third Semester - 15 SCH

ARTS 1301 - Art Appreciation
GOVT 2305 - Federal Government
PSYC 2301 - General Psychology
SOCI 1306 - Social Problems
SPCH 1315 - Public Speaking

Fourth Semester - 15 SCH

COMM 1307 - Introduction to Mass Communication
CRIJ 1301 - Introduction to Criminal Justice
ENGL 2327 - American Literature I
GOVT 2306 - Texas Government
PSYC 2314 - Lifespan Growth and Development

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

High School Endorsements

Social & Behavioral Sciences

Program Outcomes

- Demonstrate the ability to apply sociological principles and theoretical perspectives to major social problems in contemporary society.
- Demonstrate the ability to analyze and interpret human society, social institutions, and individuals and how they affect one another.
- Demonstrate ability to apply principles and theories in written and oral communication which could include but are not limited to social stratification, gender, race/ethnicity, and deviance.

Transfer Path / Requirements

For Texas A&M Commerce

- A student completing the Paris Junior College core curriculum is considered Core complete at Texas A&M Commerce.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the Sociology major, 9 advanced courses are required by TAMU-Commerce.
- Students who are considering teaching in high schools or middle schools must follow guidelines set for teacher certification.

Career Opportunities

Quality mental health technician; Research analyst; Family intervention specialist; Gerontologist; Director of research; Urban planner; Policy analysts; Community developer; Consultant; Criminologist; Human resource managers; Social worker; Management analyst; Community relations; Market research analyst; Law enforcement; Administrative service manager; Teacher; Community service manager; Victim advocate.

Cosmetology Operator

Certificate (41 SCH*)

*Semester Credit Hour

First Semester - 14 SCH

CSME 1310 - Introduction to Haircutting and Related Theory
CSME 1401 - Orientation to Cosmetology
CSME 1405 - Fundamentals of Cosmetology
CSME 2310 - Advanced Haircutting and Related Theory

Second Semester - 14 SCH

CSME 1447 - Principles of Skin Care/Facials and Related Theory
CSME 1451 - Artistry of Hair, Theory and Practice
CSME 1291 - Special Topics in Cosmetology
CSME 2439 - Advanced Hair Design

Third Semester - 13 SCH

CSME 1531 - Principles of Nail Technology I
CSME 2401 - Principles of Hair Coloring and Related Theory
CSME 2430 - Nail Enhancement

Marketable Skills

- Critical Thinking
- Communication
- Empirical and Quantitative
- Teamwork
- Personal Responsibility
- Social Responsibility

Program Outcomes

- Cosmetology students will achieve and exceed goals submitted by the Texas Department of Licensing and Regulation for licensure in the state of Texas for the purpose of entering the Salon and Spa industry.
- Demonstrate knowledge of infection control principles and practice.
- Communicate effectively to access a client's needs based on the "total look" concept.
- Demonstrate skills by performing as a licensed professional. These skills include techniques such as, haircutting, hair color, foil highlight and low light, advanced hairstyling, shampooing/rinsing, nail care, acrylic nail systems facials, and by providing appropriate services of a typical salon.

High School Endorsements

Public Service

Additional Educational Opportunities

Students completing Cosmetology course will be eligible for State board testing resulting in the acquirement of State licensure.

Career Opportunities

Stylist; Cosmetology education director; Distributor; Sales consultant; Film / Theatrical stylist; Manufacturer; Educator.

Cosmetology Instructor

Certificate (16 SCH*)

*Semester Credit Hour

First Semester - 8 SCH	Second Semester - 8 SCH
CSME 1434 - Cosmetology Instructor I CSME 1435 - Orientation to the Instruction of Cosmetology	CSME 2414 - Cosmetology Instructor II CSME 2445 - Instructional Theory and Clinic Operation

Marketable Skills

- Critical Thinking
- Communication
- Empirical and Quantitative
- Teamwork
- Personal Responsibility
- Social Responsibility

Program Outcomes

- Cosmetology students will achieve and exceed goals submitted by the Texas Department of Licensing and Regulation for licensure in the state of Texas for the purpose of entering the Salon and Spa industry.
- Demonstrate knowledge of infection control principles and practice.
- Communicate effectively to access a client's needs based on the "total look" concept.
- Demonstrate skills by performing as a licensed professional. These skills include techniques such as, haircutting, hair color, foil highlight and low light, advanced hairstyling, shampooing/rinsing, nail care, acrylic nail systems facials, and by providing appropriate services of a typical salon.

High School Endorsements

Public Service

Additional Educational Opportunities

Students completing Cosmetology course will be eligible for State board testing resulting in the acquirement of State licensure.

Career Opportunities

Stylist; Cosmetology education director; Distributor; Sales consultant; Film / Theatrical stylist; Manufacturer; Educator.

Cosmetology Nail Technician

Certificate (21 SCH*)

*Semester Credit Hour

First Semester - 8 SCH	Second Semester - 13 SCH
CSME 1330 - Orientation to Nail Technology **CSME 1531 - Principles of Nail Technology I**	**CSME 1443 - Manicuring and Related Theory** **CSME 1541 - Principles of Nail Technology II** **CSME 2430 - Nail Enhancement**

Marketable Skills

- Critical Thinking
- Communication
- Empirical and Quantitative
- Teamwork
- Personal Responsibility
- Social Responsibility

Program Outcomes

- Cosmetology students will achieve and exceed goals submitted by the Texas Department of Licensing and Regulation for licensure in the state of Texas for the purpose of entering the Salon and Spa industry.
- Demonstrate knowledge of infection control principles and practice.
- Communicate effectively to access a client's needs based on the "total look" concept.
- Demonstrate skills by performing as a licensed professional. These skills include techniques such as, haircutting, hair color, foil highlight and low light, advanced hairstyling, shampooing/rinsing, nail care, acrylic nail systems facials, and by providing appropriate services of a typical salon.

High School Endorsements

Public Service

Additional Educational Opportunities

Students completing Cosmetology course will be eligible for State board testing resulting in the acquirement of State licensure.

Career Opportunities

Stylist; Cosmetology education director; Distributor; Sales consultant; Film / Theatrical stylist; Manufacturer; Educator.

Criminal Justice

AAS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

COSC 1301 - Introduction to Computing
CRIJ 1301 - Introduction to Criminal Justice
CRIJ 1307 - Crime in America
ENGL 1301 - Composition I
MATH 1332 - Contemporary Mathematics

Second Semester - 15 SCH

CRIJ 1306 - Court Systems & Practices
CRIJ 1310 - Fundamentals of Criminal Law
ENGL 1302 - Composition II
SOCI 1301 - Introduction to Sociology
SPCH 1321 - Business and Professional Communication

Third Semester - 15 SCH

CRIJ 1313 - Juvenile Justice System
CRIJ 2301 - Community Resources in Corrections
CRIJ 2313 - Correctional Systems & Practices
CRIJ 2314 - Criminal Investigation
ECON 2302 - Principles of Microeconomics

Fourth Semester - 15 SCH

CJSA 2364 - Practicum - Criminal Justice/Safety Studies
CRIJ 2323 - Legal Aspects of Law Enforcement
CRIJ 2328 - Police Systems & Practices
DRAM 1310 - Introduction to Theater
POFT 2312 - Business Correspondence & Communication

Marketable Skills

- Critical Thinking
- Communication
- Research
- Teamwork and Leadership
- Personal Responsibility
- Social Responsibility
- Computer Skills
- Analytics
- Professionalism / Work Ethic / Interpersonal Work

Program Outcomes

- Students will demonstrate academic proficiency in the core criminal justice areas (courses). Describing the functions and roles in each core area.
- Students will be able to communicate effectively, orally and in writing, using appropriate form, grammar and references.
- Students will be able to model professional behaviors and skills academically with regard to the ethics and professionalism of the profession.
- Students will be able to provide a comprehensive view of criminal justice that include criminal procedures, penal laws, policy, and procedure of the system.
- Students will be able to identify, analyze, compare and contrast the philosophy and function of the role of law enforcement in American society.

High School Endorsements

Public Service

Additional Educational Opportunities

Students may continue their education through a BAAS degree.

Career Opportunities

Police officer; Deputy sheriff; Game warden; Bailiff; Probation officer; Railroad police; Parole officer; Federal law enforcement; State trooper; Other state law enforcement.

Criminal Justice

AS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

COSC 1301 - Introduction to Computing
CRIJ 1301 - Introduction to Criminal Justice
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
MATH 1332 - Contemporary Mathematics

Second Semester - 15 SCH

CRIJ 2323 - Legal Aspects of Law Enforcement
ENGL 1302 - Composition II
HIST 1301 - United States History I
SOCI 1301 - Introduction to Sociology
SPCH 1321 - Business and Professional Communication

Third Semester - 15 SCH

BIOL 1322 - Nutrition and Diet Therapy
CRIJ 1307 - Crime in America
ECON 2302 - Principles of Microeconomics
GOVT 2305 - Federal Government
HIST 1302 - United States History II

Fourth Semester - 15 SCH

BIOL 2306 - Environmental Biology
ENGL 2327 - American Literature I
DRAM 1310 - Introduction to Theater
CRIJ 2328 - Police Systems and Practices
GOVT 2306 - Texas Government

Marketable Skills

- Critical Thinking
- Communication
- Research
- Teamwork and Leadership
- Personal Responsibility
- Social Responsibility
- Computer Skills
- Analytics
- Professionalism / Work Ethic / Interpersonal Work

Program Outcomes

- Students will demonstrate academic proficiency in the core criminal justice areas (courses) listed. Describing the functions and roles in each of those core areas.
- Students will be able to communicate effectively, orally and in writing, using appropriate form, grammar and references.
- Students will be able to model professional behaviors and skills academically with regard to the ethics and professionalism of the profession.
- Students will be able to identify, analyze, compare and contrast the philosophy and function of the role of law enforcement in American society.

High School Endorsements

Public Service

Additional Educational Opportunities

Students may continue their education through a BA or BS degree.

Career Opportunities

Police officer; Deputy sheriff; Game warden; Bailiff; Probation officer; Railroad police; Parole officer; Federal law enforcement; State trooper; Other state law enforcement.

Education (ED-6 or 4-8)

AS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

ARTS 1301 - Art Appreciation
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - United States History I
MATH 1314 - College Algebra

Second Semester - 16 SCH

BIOL 1408 - Biology for Non-Science Majors I
EDUC 1301 - Introduction to the Teaching Profession
ENGL 1302 - Composition II
HIST 1302 - United States History II
SPCH 1315 - Public Speaking

Third Semester - 16 SCH

BIOL 1409 - Biology for Non-Science Majors II
GOVT 2305 - Federal Government
HIST 2311 - Western Civilization I
MATH 1350 - Fundamentals of Mathematics I
PSYC 2301 - General Psychology

Fourth Semester - 13 SCH

COSC 1301 - Introduction to Computing
EDUC 2301 - Introduction to Special Populations
GEOL 1403 - Physical Geology
GOVT 2306 - Texas Government

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

High School Endorsements

Public Service

Program Outcomes

Students will be able to:

- Compose a Philosophy of Education and demonstrate knowledge and understanding of philosophical beliefs.
- Compose a Reflection Paper that analyzes and evaluates the (16) hour Field Experience.
- Evaluate and justify a collection of resources and materials compiled into an electronic portfolio based on the competencies addressed in the State Board for Educator Certification Pedagogy and Professional Responsibilities.

Transfer Path / Requirements

- Student should refer to the catalog of the institution to which he/she plans to transfer for degree requirements.
- A student completing the Paris Junior College core curriculum is considered Core complete at Texas public universities.
- For the education (EC-6) major, TAMU-Texarkana requires students to take HIST 2311 or 2312 for the Language, Philosophy, and Culture credit.
- For the (EC-6) major, TAMU-T requires PHYS 1315 + Lab (Introduction to Physical Science) for their nonlife science credit.
- All education majors must take 12 hours of science, one nonlife and two life sciences.
- At most Texas public universities, EC-6 and 4-8 majors are required to take MATH 1351.

Career Opportunities

Two Year Degree: Teacher's aide; Paraprofessional; Secretary; Child care teacher; College tutor; Nanny; Administrative assistant; Substitute teacher. Four Year Degree: Headstart teacher; Elementary school teacher; Middle school teacher; High school teacher; Band director; Athletic coach; Adult basic education instructor; Developmental education instructor.

Education (7-12 or 8-12)

AS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

ARTS 1301 - Art Appreciation
EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - United States History I
MATH 1314 - College Algebra

Second Semester - 16 SCH

BIOL 1408 - Biology for Non-Science Majors I
EDUC 1301 - Introduction to the Teaching Profession
ENGL 1302 - Composition II
HIST 1302 - United States History II
SPCH 1315 - Public Speaking

Third Semester - 16 SCH

BIOL 1409 - Biology for Non-Science Majors II
EDUC 2301 - Introduction to Special Populations
GOVT 2305 - Federal Government
HIST 2311 - Western Civilization I
PSYC 2301 - General Psychology

Fourth Semester - 13 SCH

COSC 1301 - Introduction to Computing
GEOL 1403 - Physical Geology
GOVT 2306 - Texas Government
SOCI 1306 - Introduction to Sociology

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

High School Endorsements

Public Service

Program Outcomes

Students will be able to:

- Compose a Philosophy of Education and demonstrate knowledge and understanding of philosophical beliefs
- Compose a Reflection Paper that analyzes and evaluates the (16) hour Field Experience
- Evaluate and justify a collection of resources and materials compiled into an electronic portfolio based on the competencies addressed in the State Board for Educator Certification Pedagogy and Professional Responsibilities

Transfer Path / Requirements

- Student should refer to the catalog of the institution to which he/she plans to transfer for degree requirements.
- A student completing the Paris Junior College core curriculum is considered core complete at Texas public universities.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For Texas A&M Texarkana, students must take HIST 2311 or HIST 2312 for the Language, Philosophy, and Culture credit.
- All education majors in Texas must take 12 hours of science, one nonlife and two life sciences.

Career Opportunities

Two Year Degree: Teacher's aide; Paraprofessional; Secretary; Child care teacher; College tutor; Nanny; Administrative assistant; Substitute teacher. Four Year Degree: Headstart teacher; Elementary school teacher; Middle school teacher; High school teacher; Band director; Athletic coach; Adult basic education instructor; Developmental education instructor.

Kinesiology

AS (60 SCH*)

*Semester Credit Hour

First Semester - 15 SCH

EDUC/PSYC 1300 - Learning Framework
ENGL 1301 - Composition I
HIST 1301 - US History I
MATH 1342 - Elementary Statistical Methods
PHED 1301 - Foundations of Kinesiology

Second Semester - 15 SCH

COMM 1307 - Introduction to Mass Communication
COSC 1301 - Introduction to Computing
ENGL 1302 - Composition II
HIST 1302 - US History II
PHED 1346 - Drug Use and Abuse

Third Semester - 15 SCH

BIOL 1322 - Nutrition and Diet Therapy
ECON 2302 - Principles of Microeconomics
GOVT 2305 - Federal Government
PHED 1304 - Personal/Community Health
SPCH 1315 - Public Speaking

Fourth Semester - 15 SCH

BIOL 2306 - Environmental Biology
GOVT 2306 - Texas Government
MUSI 1306 - Music Appreciation
PHED 2356 - Care and Prevention of Athletic Injuries
PSYC 2314 - Lifespan Growth and Development

Marketable Skills

Critical Thinking Skills: Creative thinking, innovation, inquiry, and analysis, evaluation, and synthesis of information, using technology as appropriate.
Communication Skills: Effective development, interpretation, and expression of ideas through written, oral, and visual communication.
Empirical and Quantitative Skills: Manipulation and analysis of numerical data or observable facts resulting in informed conclusions.
Teamwork: Ability to be flexible and to consider different points of view and to work effectively with others, taking the initiative when appropriate, to support a shared purpose or goal.
Social Responsibility: Intercultural competence, knowledge of civic responsibility, and the ability to engage effectively in regional, national, and global communities.
Personal Responsibility: A strong work ethic and the ability to connect choices, actions, and consequences to ethical decision-making.

High School Endorsements

Public Service

Program Outcomes

- Understand the basics of human body movement and the historical evolution of physical education, sport, and exercise science.
- Demonstrate knowledge of prevention and care of atheltic injury and athletic training.
- Understand personal and community health issues, techniques for promoting healthy living, and use/abuse of drugs in today's society.

Transfer Path / Requirements

For Texas A&M Commerce

- A student completing the Paris Junior College curriculum is considered Core complete at Texas A&M Commerce.
- No more than 60-66 sch from PJC will be applied to a bachelor degree at TAMU-Commerce. Another 60 or more must be completed at TAMU-Commerce.
- For the kinesiology major, students might transfer either to the Sport and Recreation Management B.S. or the Kinesiology and Sports Studies B.A./B.S. - All-Level Teacher Certification. The student should check the specific requirements of the degree they are seeking.

Career Opportunities

Athletic administration in school or college; Personal trainer; Athletic trainer; Physical education teacher at school or college; Cardiac rehabilitation specialist; Physical therapist; Coaching at school or college; Recreational therapist; Exercise physiologist; Respiration therapist; Fitness instructor or director at commercial fitness center; Sports management; Sports officiating; Occupational therapist.