Mathematics

First Semester - 16 SCH

MATH 2312 - Pre-Calculus Math
ENGL 1301 - Composition I
HIST 1301 - United States History I
EDUC/PSYC 1100 - Learning Framework
COSC 1301 - Introduction to Computing
COMM 1307 - Introduction to Mass Communications

Second Semester - 16 SCH

MATH 2413 - Calculus I
ENGL 1302 - Composition II
HIST 1302 - United States History II
MUSI 1306 - Music Appreciation
ECON 2301 - Principles of Macroeconomics

Third Semester - 14 SCH

MATH 2414 - Calculus II
GOVT 2305 - Federal Government
PHYS 2425 - University Physics I
COSC 1336 - Programming Fundamentals I

Fourth Semester - 14 SCH

MATH 2415 - Calculus III
GOVT 2306 - Texas Government
PHYS 2426 - University Physics II
COSC 1337 - Programming Fundamentals II

Marketable Skills

- Identify complex problems and review information to develop and implement solutions.
- Choosing the right method or formulas to solve a problem.
- Apply general rules to specific problems and combine information and skills to reach conclusions.
- Observing, receiving, and gathering information or data to aid in solving problems.
- Analyzing information/data and evaluating results to choose a best solution to solve problems or make conclusions.
- Using logic and reasoning to identify the strengths and weaknesses of solutions, conclusions, or approaches to problems.
- Effectively comprehending, speaking, and writing information, conclusions, and solutions to persons both in and out of your discipline.

High School Endorsements

STEM

Expected Salary

Texas wage data: workers on average earn $62,090; 10% of workers earn $41,550 or less; 10% of workers earn $104,330 or more.
US wage data: workers on average earn $110,860; 10% of workers earn $61,130 or less; 10% of workers earn $170,150 or more.

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 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 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 they plan to transfer for degree requirements.

Career Opportunities

BS Minimum: Actuary; Statistician; Market Research Analyst; Economist; Engineer; Financial Analyst; Data Scientist; Forensic Analyst; Math Teacher. **MS Minimum:** College Professor; Astronomer.