

Applied Mathematics/Computer Science Concentration • Bachelor of Science

Why Choose Computer Science?

The need for people with a computer science background is very high and continues to grow. Virtually every organization relies heavily on computers. Computer scientists write programs, develop algorithms and design software. The field of computational mathematics combines knowledge of computer science with that of mathematics and is in great demand throughout the world.

Admission Requirements

First year student admission is open to high school graduates (or equivalent) who demonstrate academic preparedness, maturity and seriousness of purpose with educational backgrounds appropriate to their chosen program of study. High school courses and grade point average, ACT composite score, and ACT reading and mathematics subscores will be considered in the admission and placement process. Transfer students must have at least 12 credits at the time of application with a minimum 2.0 overall GPA including an English and mathematics course, or they must provide their high school records and ACT scores for admission review.

Graduation Requirements

The applied mathematics program leads to a bachelor of science degree. Graduation requires a minimum 2.0 overall GPA and a minimum of 120 credits including completion of all general education requirements as outlined on the General Education website. Additionally, a minimum 2.5 GPA in all math and computer science course work is required.

Required Courses

Credit Hours

General Education:

This degree requires completion of the General Education requirements for a Bachelor of Science degree. Details of these requirements are delineated on the General Education website. Courses listed below as program/major required courses with the indicators: C, S, Z, R, G, may also be used to satisfy some of these general education requirements.

Applied Mathematics Core (19 credits required)

MATH 220	Analytical Geometry-Calculus 1	5
MATH 230	Analytical Geometry-Calculus 2	5
MATH 251	Stats for the Life Sciences	3
MATH 320	Analytical Geometry-Calculus 3	3
MATH 322	Linear Algebra	3

Computer Science Concentration:

CPSC 200	Object Oriented Programming	4
CPSC 244	Sci Programming with Fortran	3
CPSC 300	Data Structures and Algorithms	4
CPSC 328	Discrete Structures	3
MATH 340	Numerical Analysis	3
MATH 420	Intro to Abstract Algebra	3
CPSC 300/- 400 Elective		3



More Information

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