

Mathematics

Associate in Science Degree (A.S.) with Guided Career Path for Mathematics

At a Glance

The Mathematics path will prepare students for transfer to a four-year institution where the major/minor offers a sequence of mathematics courses of high academic standards and in sufficient depth that will prepare students for a variety of careers and/or further study. Students will develop a knowledge base of fundamental mathematical principles and problem solving techniques.

The Statewide Articulation Reporting System (STARS) will provide very specific transfer information to specific majors at each state-funded four-year institution. Once a student chooses a major and a place of transfer, an individualized guide and contract can be created. The STARS website can be accessed from the CACC homepage at www.cacc.edu. You may also access STARS from the CACC Admissions Office. CACC also has designated Transfer Advisors.

NOTE: *The sample Guided Curricular Path below contains all the elements required for degree/certificate completion. However, courses may be offered or taken in other semesters so long as prerequisites are met and courses are available. Additional options may also be available. Courses may be available days, nights, hybrid, and online. Sample paths for part-time attendance may also be available. Please see an advisor. *Students must check with the Senior Institution to determine which courses are required.*

First Semester

ORI 105	Orientation & Student Success	3
ENG 101	English Composition I	3
MTH 113	PreCalculus Trigonometry	3
ECO 232	Principles of Microeconomics	3
BIO 103	Principles of Biology I	4
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Total Semester Credit Hours		16

Second Semester

ENG 102	English Composition II	3
BIO 104	Principles of Biology II	4
MTH 125	Calculus I	4
HIS 201	United States History I	3
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Total Semester Credit Hours		14

Third Semester

SPH 106	Fundamentals of Oral Communication	3
ENG 261	English Literature I	3
MTH 126	Calculus II	4

SOC 200	Introduction to Sociology	3
ENG 262	English Literature II	3
Total Semester Credit Hours		16

Fourth Semester

MUS 101	Music Appreciation	3
CIS 146	Microcomputer Applications	3
MTH 227	Calculus III	4
MTH 237	Linear Algebra	3
MTH 238	Applied Differential Equations I	3
Total Semester Credit Hours		16

TOTAL CREDIT HOURS **62**