



Associate in Science

Liberal Arts & Sciences: Mathematics/Science Concentration (EB42) 2015-2016 Catalog

The goal of this program is to prepare science and mathematics majors to transfer to a baccalaureate degree program. Students have the opportunity to explore their interests and meet their first- and second-year program requirements in mathematics, science, computer science, humanities, and social science courses. Students are advised to review the requirements of the transfer institution prior to course selection.

Outcomes:

- Understand the basic principles of the physical and/or natural sciences.
- Perform a scientific experiment and interpret results.
- Demonstrate an understanding of the major concepts of differential and integral calculus.
- Have the ability to write and document a computer program.
- Complete the general education courses in satisfaction of the associate degree requirements.

Suggested Sequence of Courses:

Prerequisite or parallel courses may be required. Please check individual course descriptions for details.

Freshman Year

ENG* E101	Composition	3
HIS* E101	Western Civilization I	3
¹ Foreign Language	Elective	3
² Mathematics (4-credit)	Elective	4
³ Science	Elective	3-4
ENG* E102	Literature & Composition	3
HIS* E102	Western Civilization II	3
¹ Foreign Language	Elective	3
² Mathematics (4-credit)	Elective	4
³ Science (4-credit)	Elective	4

Sophomore Year

² Mathematics (4-credit)	Elective	4
³ Science (4-credit)	Elective	4
Fine Arts	Elective	3
¹ Foreign Language	Elective	3
² Social Science	Elective	3
² Mathematics (4-credit)	Elective	4
¹ Foreign Language	Elective	3
⁴ Open	Elective	3-4
Computer Science	Elective	3-4
Behavioral Science	Elective	3

Total Credits:

67-69

¹ Students not presenting two years of a high school foreign language must take 12 credit hours of one language. Students with two years of a high school foreign language may satisfy the 12 hour requirement by taking 6 additional hours of the same language at the intermediate level and 6 hours in open electives.

² Math elective must be chosen from the following courses: MAT* E186, MAT* E254, MAT* E256, MAT* E268, or MAT* E285.

³ Only four-credit science courses may be used to meet this requirement. MAT* E137 is required prior to CHE* E121 or CHE* E122.

⁴ Recommended from CSC* E106 or CSC* E205

Note: A minimum of 15 credits must be taken in 200-level courses.

Note: For degree completion the student must complete the Computer Literacy Requirement.