A.S. STEM Pathway

This two-year (60(62) credit) pathway prepares students for programs that allow graduates to undertake professional careers that require a solid foundation in math and science. These programs are generally technically rigorous and designed for students with a strong interest in training beyond the bachelor's degree. This may include such fields as Engineering, Physical or Occupational Therapy, Pharmacy, Medicine or other science fields. In these fields graduates often work in complex teams on crucial issues and often assume leadership positions which rely on effective communication and problem solving in addition to expertise in their field.

Program course requirements are presented in sequence. Part-time students and others who cannot follow this sequence should check Course Descriptions to determine pre-requisites and should consult their advisor regarding the order in which to take courses. Students should consult the catalog of the institution to which they expect to transfer and should select appropriate core requirement and elective courses in consultation with their advisor: General Education Core Requirements Courses.

NOTE: 3 credits of either Humanities & Fine Arts or History & Social Sciences must meet the Cultural Diversity requirement. One science lab must be a standalone lab.

First Year Fall Semester	
WRIT 101 College Writing I	3 credits
Mathematics Core Requirement	3 or 4 credits
CAPP 131 Basic MS Office	3 credits
COLS 101 Intro to College Studies	2 credits
Science Core Requirement	3 or 4 credits
Total	**14 to 16 credits**
First Year Spring Semester	
Written Communication Core Requirement	3 credits
Mathematics elective	3 or 4 credits
LSCI 101 Intro to Information Literacy	2 credits
Science Core Requirement	3 or 4 credits
Oral Communication Core Requirement	3 credits
Total	**14 to 16 credits**
Second Year Fall Semester	
Mathematics elective	3 or 4 credits
Science elective	3 or 4 credits
History & Social Sciences Core Requirement	3 credits
Humanities & Fine Arts Core Requirement	3 credits
Total	**12 to 14 credits**
Second Year Spring Semester	
Science elective	3 or 4 credits
Humanities & Fine Arts Core Requirement	3 credits
History & Social Sciences Core Requirement	3 credits

Electives	5 or 6 credits
Total	**14 to 16 credits**
Program Total	**60 to 62 credits**

Suggested Math & Science Courses for Students Pursuing Engineering: CHMY 141/142 College Chemistry I & Lab (Fall), CHMY 143/144 College Chemistry II & Lab (Spring), PHSX 220/221 Physics I (w/Calculus) & Lab (Fall), PHSX 222/223 Physics II (w/Calculus) & Lab (Spring), M 171 Calculus I (Fall), M 172 Calculus II (Spring)

Suggested Math & Science Courses for Students Pursuing Engineering Technology: CHMY 121/122 Intro to General Chemistry & Lab or CHMY 141/142 College Chemistry I & Lab (Fall), PHSX 220/221 Physics I (w/Calculus) & Lab (Fall), PHSX 222/223 Physics II (w/Calculus) & Lab (Spring), M 171 Calculus I (Fall), M 172 Calculus II (Spring)