

A.S. Degree

General Education Requirements

Communication 9 hours

ENGL 1010 Composition I 3 hours

ENGL 1020 Composition II 3 hours

SPCH 1010 Fundamentals of
Speech Comm. or other
approved 3 hours
speech/communication course

Humanities and/or Fine Arts (at least one course in literature) 9 hours

Social/Behavioral Sciences 6 hours

History 6 hours

Natural Sciences 8 hours

PHYS 2110 Calculus-based
Physics I 4 hours

PHYS 2120 Calculus-based
Physics II 4 hours

Mathematics 4 hours

Math 1910 Calculus I 4 hours

General Education Total 42 hours

Area of Emphasis

MATH 1920 Calculus II 4 hours

MATH 2110 Calculus III 4 hours

MATH 2010 Linear Algebra or
MATH 2050 (Calculus-based
Probability and Statistics) 3 hours

MATH 2120 Differential
Equations 3 hours

CHEM 1110 General Chemistry
I 4 hours

ENGR 2110 Statics 3 hours

ENGR 2120 Dynamics
(Particles and Rigid Bodies) 3 hours

Area of Emphasis Total 24 hours

Civil Engineering Total 66 hours

Additional Information

Students are strongly encouraged to complete a course in Mechanics of Materials, also known as Strength of Materials, before transferring to a university.

Courses in engineering technology do not fulfill any of the requirements for the Area of Emphasis in Civil Engineering.

Although it is possible to complete the B.S. Degree in Civil Engineering in four semesters after earning the associate's degree, students typically need five or six semesters to complete requirements.