

ENGINEERING

Credentials

Associate in Engineering (AE) degree.....60 cr.

Major Description

This program is designed for students who intend to pursue a bachelor's degree in engineering. It allows the student to establish a strong academic foundation in mathematics and science, complete courses to fulfill general education requirements, and enroll in engineering courses—all before moving on to a bachelor's degree program at another college or university.

- Civil, chemical, computer systems, electrical, environmental, industrial, and mechanical engineering are among the most popular bachelor's degrees, although there are more than 25 recognized specialties.
- Schoolcraft's program can prepare the student for transfer into any engineering specialty.
- The specific courses required will be determined by the destination college or university and/or the student's intended major.
- Students must work with an academic advisor or counselor to ensure that their courses transfer.

ASSOCIATE IN ENGINEERING (AE)

The associate in engineering degree is for students who plan to pursue a baccalaureate degree in engineering.

1. English 101 and 102 required—6 credit hours.
2. Humanities*—Minimum 6 credit hours in more than one discipline.
Art, Communication Arts, English Literature, Foreign Language, History, Humanities, Music, Philosophy, or Theatre.
3. Mathematics/Sciences—34 credit hours.
Chemistry 111 required.
Physics 211 and 212 required.
Mathematics 150, 151, 240 and 252 required.
4. Social Sciences*— Minimum 7 credit hours in more than one discipline.
Anthropology, Geography 133 or 241, History, Political Science, Psychology, or Sociology.
Economics 201 required.
5. General Electives—Minimum 7 credit hours.
Refer to the transfer institution's requirements.
Electives must be chosen from 100- or 200- level courses.
6. All courses that apply to this degree must be at the 100- or 200-level.
7. Complete all Schoolcraft College core ability and general education requirements.

* *Please note: Students may not use the same History course to satisfy both the Humanities and Social Sciences distribution requirement.*