

ENGINEERING

Students interested in Engineering Technology will find information here.

Description

The associate in science curriculum for Engineering Transfer is designed for students who plan to transfer to four-year colleges or universities to complete baccalaureate degree programs in engineering. The program provides a functional curriculum of engineering, mathematics, communication, and science required by most engineering schools. Multidisciplinary course options prepare students for a wide variety of engineering majors.

Preparation

Engineers should have an analytical mind, creativity, capacity for detail, ability to work as part of a team, and possess good oral and written skills. High school students should study physics, chemistry, and as much math as possible. Knowledge of word processing, spreadsheets, and computer programming is helpful.

Requirements

Students completing the suggested curriculum would meet all requirements for an Associate in Science degree.

Bismarck State College continues to collaborate with North Dakota Engineering institutions to coordinate up-to-date articulation agreements directing students to the best pathways of degree completion. While BSC does not have a four-year degree program in engineering, we do offer a series of classes to assist students to meet the requirements necessary to apply for and attend a four-year engineering program. Each engineering discipline represented at BSC has a specific set of required courses, and as such, it is extremely important for prospective engineering students to work with their BSC advisor to more fully understand these requirements and how best they may be completed through their enrollment at BSC.

The General Education Requirements Transfer Agreement (GERTA) was established by the State Board of Higher Education to ease student transfers within the North Dakota University System. Students planning to transfer into engineering programs at the University of North Dakota or North Dakota State University will likely meet junior standing status provided they graduate BSC, complete the engineering degree plan requirements, and receive their Associate in Science. Students should consult the academic catalog of their destination college and work with their academic advisor to plan for this transition.

Career Opportunities

Work activities of engineers may include research, design, sales, manufacturing, testing, installation, development, teaching, consulting, business, and management.

Career possibilities include engineer (several fields), professional engineer, research and design engineer.

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Degree Plans

- Engineering Associate in Science – Civil, Mechanical, Construction, Chemical, Petroleum
- Engineering Associate in Science – Electrical and Computer