

## PRE-ENGINEERING

You can get started on a degree in engineering at Northeast Community College. We offer an Associate of Science degree that will transfer to many engineering schools in the region.

### Suggested Program of Study for Associate of Science Degree (2 Years)

#### FRESHMAN YEAR

First Semester	
Course	Credits
ENGL 2070 Technical Communications I* .....	3
MATH 1600 Analytic Geometry and Calculus I* .....	5
CHEM 1090 General Chemistry I* <b>OR</b> CHEM 1140 General Chemistry I for Majors* ...	4-5
ENGR 2010 Introduction to Engineering Design .....	3
ENGR 1990 Maker Space Fabrication .....	0-3
	15-19

Second Semester	
Course	Credits
English/Literature* .....	3
MATH 2010 Analytic Geometry and Calculus II* .....	5
PHYS 2110 General Physics I with Calculus* .....	5
Program Course(s)* .....	4-5
	17-18

#### SOPHOMORE YEAR

First Semester	
Course	Credits
PHYS 2120 General Physics II with Calculus .....	5
ENGR 2020 Engineering Statics .....	3
MATH 2100 Differential Equations .....	3
Behavioral and Social Sciences* .....	3
	14

Second Semester	
Course	Credits
English/Literature,* Fine Arts and Language,* <b>OR</b> Behavioral or Social Science* .....	3-4
MATH 2020 Analytic Geometry and Calculus III .....	5
Oral Communication* .....	3
Electives** .....	3-6
	15-18

Total Credit Hours 61-69

To earn an associate of science degree, a student must satisfactorily complete a minimum of 60 semester hours that include the general education requirements.

\*See general education requirements.

\*\*Courses meeting the oral communications requirement for the Northeast Associate of Science Degree will not fulfill the oral communications requirement for engineering programs at UNL. You have the option to take the oral communications course at UNL and back-transfer the courses to obtain the Associates of Science degree at Northeast.