

LIBERAL ARTS, ASSOCIATES OF SCIENCE - PRE-ENGINEERING EMPHASIS

Requirements

Pre-engineering emphasis.

For this degree, students do **not** need to fulfill the typical University Studies requirements for a bachelor's degree, but only the following requirements.

60 total college level credits with at least a 2.0 GPA

Completion of 24 credits from UW-Superior

Code	Title	Hours
Required Core Courses		
CHEM 105	General Chemistry I	5.00
CSCI 201	Introduction to Programming	3.00
MATH 240	Calculus and Analytic Geometry I	4.00
MATH 241	Calculus and Analytic Geometry II	4.00
MATH 242	Calculus and Analytic Geometry III	4.00
PHYS 201	Calculus-Based Physics I	5.00
PHYS 202	Calculus-Based Physics II	5.00
STEM Technical Electives		
Select seven credits from any courses of the following prefixes:		7.00
BIOL		
CHEM (106 or higher)		
CSCI (202 or higher)		
GEOG GIS courses (241, 343, 442)		
GEOL		
MATH (300 or higher)		
PHYS (203 or higher)		
Communication Courses		
COMM 110	Introduction to Communication	3.00
WRIT 102	Introduction to Academic Writing	3.00
WRIT 209	Introduction to Professional Writing	3.00
University Studies Courses		
Humanities Category		3.00
Social Science Category		3.00
ECON 250	Principles Of Microeconomics (recommended)	
ECON 251	Principles Of Macroeconomics (recommended)	
Fine and Applied Arts Category		3.00
Additional three credits from one of the above categories		3.00
Diversity Requirement		3.00
Individual, Social, and Environmental Responsibility		
Select six credits of the following:		6.00
BUS 363	Business Ethics and Social Responsibility	
CHEM 100	Our Chemical Environment	
COMM 110	Introduction to Communication	

ECON 335	Ecological Economics	
ENSC 100	Environmental Science	
ENSC 200	People and the Environment: Challenges & Actions	
GEOG 102	Cultural Geography	
GEOL 120	Our Water Resources	
GST 150	Introduction to Gender Studies	
HHP 102	Health and Wellness	
LSTU 115	Law and Human Behavior	
LSTU 303	Environmental Law and Regulation	
POLS 175	The Making of the Modern Global System	
POLS 230	U.S. National, State and Local Government	
SMGT 115	Environmental Science and Sustainability	
SOCI 201	Global Social Problems	
SOCI 273	Race and Ethnicity	
Total Hours		67.00

STEM Technical Electives

The technical electives are designed to allow students to explore their desired subfield of engineering. A strategic selection of courses can help with the transfer process to a specific engineering school. Note that students have the option to cross-register for courses at the University of Minnesota-Duluth. Students should discuss their options with their advisor.