

Engineering minor

2026-2027 catalog

Student Name: _____ ID Number: _____

Minor Requirements

A minimum grade of C- is required to satisfy requirements for this minor.

Term Completed/Planned	Grade	Credit	Course #	Title
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Complete **two (2)** semesters of an introductory STEM sequence in a single discipline, chosen from:

- BIO151/151L: Introductory Biology I and BIO152/152L: Introductory Biology II
- CHM115/115L: General Chemistry I and CHM116/116L: General Chemistry II
- CSC165/165L: Introduction to Computer Programming (Python) and CSC170/170L: Introduction to Object-Oriented Programming (Java)
- PHY121/121L: General Physics I and PHY122/122L: General Physics II

_____	_____	4	_____	_____
_____	_____	4	_____	_____

Complete each of the following courses

_____	_____	4	MAT145	Calculus I
_____	_____	4	SCI313	Engineering Concepts and Practices
_____	_____	2	SCI492	Engineering Capstone

Complete **two (2)** credits of lab electives, chosen from:

_____	_____	1	CHM380L	Quantitative Analytical Chemistry Lab
_____	_____		CHM420	Advanced Engineering Lab (<i>course currently in development</i>)
_____	_____	2	CHM430	Advanced Thermodynamic and Separation Lab
_____	_____	2	CHM450	Advanced Spectroscopy and Computational Chemistry Lab
_____	_____	1	PHY317L	Biophysics Lab
_____	_____	1	PHY327L	Special Functions of Mathematical Physics Lab
_____	_____	1	PHY343L	Modern Physics Lab
_____	_____	1	PHY361L	Electronics Lab

Complete **four (4)** credits of advanced electives, chosen from:

_____	_____	4	BIO355	Genetics
_____	_____	4	BIO444	Genomics and Biotechnology
_____	_____	4	BIO481	Ecology
_____	_____	4	CHM481	Instrumental Analysis
_____	_____	4	CHM482	Inorganic Chemistry and Material Properties
_____	_____	4	CSC421	Mobile Computing
_____	_____	4	CSC443	Software Engineering
_____	_____	4	CSC461	Intelligent Systems
_____	_____	4	HPE350	Kinesiology
_____	_____	2	HPE357	Research Methods and Measurement in Health, Physical Education, and Exercise Science
_____	_____	2	HPE452	Advanced Biomechanics
_____	_____	4	MAT455	Numerical Mathematics and Computation
_____	_____	4	MAT465	Modeling and Differential Equations in Biological and Natural Sciences
_____	_____	4	PHY317	Biophysics
_____	_____	4	PHY327	Special Functions of Mathematical Physics
_____	_____	4	PHY361	Electronics