

Pre-Engineering Minor

Contact: Dr. Bharat Dhital

Email: bharat.dhital@westminster-mo.edu

The Pre-Engineering minor at Westminster is designed for students who wish to combine a liberal arts education with a career in engineering. A student completing the Pre-Engineering minor will earn credit for the courses necessary to complete the dual engineering program with Washington University in St. Louis, Missouri University of Science and Technology, or Southern Illinois University at Carbondale.

ACADEMIC REQUIREMENTS SUMMARY SHEET

ACADEMIC YEAR 2024-2025

Student's Last Name First Name Middle Initial

Advisor Date Major Declared

Course Code	Title	Hours	Semester	Grade
Required Courses				
EGR/PHY 101	Introduction to Engineering & Design	3		
CHM 114/115	General Chemistry I	4		
MAT 312	Differential Equations*	3		
PHY 212	Physics II	4		
A capstone course at the engineering institution taken the last semester before graduation or an approved project in the form of an Independent Study course at Westminster College		1-3		
Electives (choose two)				
BIO 301	Genetics	4		
CHM 124/125	General Chemistry II	4		
EGR/PHY 230	Engineering Mechanics-Statics	3		
MAT 215	Linear Algebra	3		
MAT 313	Mathematical Probability & Statistics	3		
PHY 328	Analogue Circuits	4		
Total Hours For Minor		21-25		

*The prerequisites for MAT 312 are MAT 224, MAT 215, and CSC 104 all of which must be completed with a grade of C- or better before enrolling in MAT 312.

If any substitutions or waivers of requirements are allowed, please list below and initial.

Advisor Signature

Department Chair Signature