CIVIL ENGINEERING, MINOR

Program Overview

Students enrolled in other majors may pursue a minor in civil engineering. A minimum of 15 credit hours of courses with minor advisor approval is required.

Undergraduate Policies

For undergraduate policies and procedures, please review the Undergraduate Academics section of the General Bulletin.

Program Requirements

Students enrolled in other majors may elect to pursue a minor in Civil Engineering requiring 15 credit hours. Course selections require the approval of a minor advisor. Recommended courses from the Department's technical sequences are as follows:

Code	Title	Hours
Structural Engineering		
ECIV 260	Surveying and Computer Graphics	
ECIV 310	Strength of Materials	
ECIV 311	Civil Engineering Materials	
ECIV 315	Introduction to Structural Engineering and Analysis	
ECIV 316	Matrix Analysis of Structures	
ECIV 372	Timber and Masonry Design	
ECIV 373	Reinforced Concrete Design	
ECIV 374	Structural Steel Design	
ECIV 419	Damage and Deterioration of Structures	
Geotechnical Engineering		
ECIV 160		
ECIV 310	Strength of Materials	
ECIV 311	Civil Engineering Materials	
ECIV 330	Soil Mechanics	
ECIV 360	Civil Engineering Systems	
ECIV 430	Foundation Engineering	
ECIV 437	Pavement Analysis and Design	
ECIV 456	Intelligent Infrastructure Systems	
Construction Management		
ECIV 160		
ECIV 310	Strength of Materials	
ECIV 311	Civil Engineering Materials	
ECIV 340	Construction Management	
ECIV 341	Construction Scheduling and Estimating	
ECIV 342	BIM and Computer Graphics	
ECIV 343	BIM Data Management & Remote Sensing	
ECIV 360	Civil Engineering Systems	
Environmental Engineering		
ECIV 160		
ECIV 351	Engineering Hydraulics and Hydrology	
ECIV 361	Water Resources Engineering	
ECIV 362	Solid and Hazardous Waste Management	
ECIV 363	Environmental Engineering Green Stormwater Infrastructure	
ECIV 368	Environmental Engineering	
ECIV 427	Environmental Organic Chemistry	
ECIV 450	Environmental Engineering Chemistry	
ECIV 455	Data Analysis for Civil and Environmental Engineering	
ECIV 461	Environmental Engineering Biotechnology	