

# RESIDENTIAL CONSTRUCTION ENGINEERING, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

## Program Requirements

Requirement	Credits
Requirements for the Minor	22

### Requirements for the Minor

A grade of C or better is required for all courses in the minor, as specified by Senate Policy 59-10 (<https://senate.psu.edu/students/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/>).

In addition, at least six credits of the minor must be unique from the prescribed courses required by a student's major(s).

Code	Title	Credits
<b>Prescribed Courses</b>		
<i>Prescribed Courses: Require a grade of C or better</i>		
AE 449	Ultra-High Performance Buildings: Passive House Principles & Design	3
AE 470	Residential Building Design and Construction	3
CE 410	Sustainable Residential Subdivision Design	3
CE 411	Residential Construction Design Project	1
<b>Additional Courses</b>		
<i>Additional Courses: Require a grade of C or better</i>		
AE 471	CONSTRUCTION MANAGEMENT OF RESIDENTIAL BUILDING PROJECTS	3
or AE 475	Building Construction Engineering I	
Select 9 credits from one of the following tracks:		9
<i>Architecture Track</i>		
AE 210	Introduction to Architectural Structural Systems	
AE 421	Architectural Structural Systems I	
AE 422	Architectural Structural Systems II	
ARCH 380	Building Environmental Systems I	
ARCH 412	Integrative Energy and Environmental Design	
ARCH 480	Technical Systems Integration	
FIN 100	Introduction to Finance	
or BA 301	Finance	
<i>Architectural Engineering Track</i>		
AE 202	Introduction to Architectural Engineering Concepts	
AE 372	Introduction to the Building Construction Industry	
AE 402	Design of Concrete Structures for Buildings	
AE 404	Building Structural Systems in Steel and Concrete	
AE 432	Design of Masonry Structures	
AE 454	Advanced Heating, Ventilating, and Air Conditioning	
BE 462	Design of Wood Structures	
<i>Civil Engineering Track</i>		
AE 432	Design of Masonry Structures	

AE/CE 542	Building Enclosure Science and Design
BE 462	Design of Wood Structures
CE 332	Professionalism, Economics & Construction Project Delivery
CE 336	Materials Science for Civil Engineers
CE 341	Design of Concrete Structures
CE 432	Construction Project Management