

Civil Engineering Major Courses (<https://engineering.purdue.edu/CE/Academics/Undergraduate/PlanStudy>)

Required CE Courses [Grade of C- or better required] (61 credits)

- _____ (3) COM 11400 *Fundamentals of Speech Communication*
- _____ (2) CGT 16400 *Graphics for Civil Engineering and Construction*
- _____ (4) MA 26100 *Multivariate Calculus*
- _____ (4) CE 20300 *Principles and Practices Of Geomatics*
- _____ (2) CE 29202 *Contemporary Issues in Civil Engineering*
- _____ (3) PHYS 24100 *Electricity and Optics*
- _____ (3) CE 29700 *Basic Mechanics I (Statics)*
- _____ (3) MA 26500 *Linear Algebra*
- _____ (3) CE 23100 *Engineering Materials I*
- _____ (4) CE 27000 *Introductory Structural Mechanics*
- _____ (3) CE 29800 *Basic Mechanics II (Dynamics)*
- _____ (3) MA 26600 *Ordinary Differential Equations*
- _____ (3) CE 33100 *Engineering Materials II*
- _____ (3) CE 34000 *Hydraulics*
- _____ (1) CE 34300 *Elementary Hydraulics Lab*
- _____ (3) STAT 51100 *Statistical Methods*
- _____ (2) CE 39201 *Technical Communications in Civil Engineering*
- _____ (3) CE 39800 *Introduction to Civil Engineering Systems Design*
- _____ (3) Basic Science Selective
- _____ (3) ME 20000 *Thermodynamics I*
- _____ (3) CE 49800 *Civil Engineering Design Project*

CE Technical Electives (30 credits)

<https://engineering.purdue.edu/CE/Academics/Undergraduate/Current/Technical-Elective-Policy-6-28-12.pdf>

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|----------------------------------|-----------------------------------|
| _____ (3) Technical Elective I | _____ (3) Technical Elective VI |
| _____ (3) Technical Elective II | _____ (3) Technical Elective VII |
| _____ (3) Technical Elective III | _____ (3) Technical Elective VIII |
| _____ (3) Technical Elective IV | _____ (3) Technical Elective IX |
| _____ (3) Technical Elective V | _____ (3) Technical Elective X |

Other Departmental / Program Course Requirements (27-30 credits)

- _____ (4/5) MA 16500 / 16100 *Analytic Geometry and Calculus I* (satisfies FYE requirement)
- _____ (4/5) MA 16600 / 16200 *Analytic Geometry and Calculus II* (satisfies FYE requirement)
- _____ (4) CHM 11500 *General Chemistry* (satisfies FYE requirement)
- _____ (4) PHYS 17200 *Modern Mechanics* (satisfies FYE requirement)
- _____ (4) ENGL 10600 *First-Year Composition* (satisfies FYE requirement)
- _____ (2) ENGR 13100 *Transforming Ideas to Innovation I* (satisfies FYE requirement)
- _____ (2) ENGR 13200 *Transforming Ideas to Innovation II* (satisfies FYE requirement)
- _____ (3/4) CS 15900 *Prog Appl for Engrs* / CHM 11600 *General Chemistry* (satisfies FYE Science Selective requirement)

General Education Electives (15 credits, plus 1 cr from CE29202 and 2 cr CE39201)

https://engineering.purdue.edu/CE/Academics/Undergraduate/Current/General-Education-Electives_3-8-13.pdf

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| _____ (3) General Education Elective I | _____ (3) General Education Elective IV |
| _____ (3) General Education Elective II | _____ (3) General Education Elective V |
| _____ (3) General Education Elective III | |

University Foundational Core Requirements

Human Cultures - Humanities	Gen Ed I	Science, Technology & Society Selective	Basic Science Select
Human Cultures – Behavioral/Social Science	Gen Ed II	Written Communication	ENGL 10600
Information Literacy	ENGL 10600	Oral Communication	COM 11400

Science Selective
Science Selective

CHM 11500
PHYS 17200

Quantitative Reasoning

MA 16500

Revised 4/2014 (Effective Fall 2015)

Civil Engineering

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Suggested Arrangement of Courses

Credits	Fall 1 st Year	Prerequisite	Credits	Spring 1 st Year	Prerequisite
4	MA 16500		4	MA 16600	MA 16500
4	CHM 11500	MA 16500	4	PHYS 17200	MA 16500
4	ENGL 10600		3	FYE Science Selective	
2	ENGR 13100		2	ENGR 13200	ENGR 13100
3	General Education Elective I		3	COM 11400	
17			16		

Credits	Fall 2 nd Year	Prerequisite	Credits	Spring 2 nd Year	Prerequisite
4	MA 26100	MA 16600	3	MA 26500	MA 16600
3	PHYS 24100	PHYS 17200	3	CE 23100	CE 29700
3	CE 29700	MA 26100, PHYS 17200	4	CE 27000	CE 29700, CE 23100
4	CE 20300	CGT 16400	3	CE 29800	CE 29700
2	CGT 16400		3	General Education Elective II	
2	CE 29202	Year 2 or later			
18			16		

Credits	Fall 3 rd Year	Prerequisite	Credits	Spring 3 rd Year	Prerequisite
3	MA 26600	MA 26100	3	STAT 51100	MA 16600
3	CE 33100	CE 23100	3	CE 39800	MA 26100
3	CE 34000	CE 29800	2	CE 39201	CE 29202
1	CE 34300	CE 34000	3	Technical Elective II (Breadth)	
3	Technical Elective I (Breadth)		3	Technical Elective III (Design)	
3	General Education Elective III		3	Basic Science Selective	
16			17		

Credits	Fall 4 th Year	Prerequisite	Credits	Spring 4 th Year	Prerequisite
3	ME 20000	MA 26100, CHM 11500	3	CE 49800	CE 39800
3	Technical Elective IV (Breadth)		3	Technical Elective VIII (Breadth)	
3	Technical Elective V (Design)		3	Technical Elective IX (Design)	
3	Technical Elective VI		3	Technical Elective X	
3	Technical Elective VII		3	General Education Elective V	
3	General Education Elective IV				
18			15		

**132 semester credits required for Bachelor of Science in Civil Engineering degree.
Students must have a graduation index of 2.0 and a CE index (CE courses only) of 2.0.**

**The student is ultimately responsible for knowing and completing all degree requirements.
MyPurduePlan is a knowledge source for specific requirements and completion.**
