PURDUE UNIVERSITY | Environmental and Ecological Engineering

BSEEE
EEE
128 Credits

Departmental/Program Major Courses (52 credits)

Required Major Courses (25 credits)

_____ (3) EEE 23000 Engineering Economics And Environment
_____ (2) EEE 29001 Introduction to Environmental and Ecological Engineering Seminar
_____ (3) EEE 30000 Environmental and Ecological Systems Modeling
_____ (3) CE/EEE 35000 Introduction to Environmental And Ecological Engineering
_____ (3) CE/EEE 35500 Engineering Environmental Sustainability
_____ (3) EEE 36000 Environmental and Ecological Engineering Laboratory
_____ (3) EEE 38000 Environmental Chemodynamics
_____ (1) EEE 39000 Environmental and Ecological Engineering Professional Practice Seminar
_____ (1) EEE 48000 Environmental and Ecological Engineering Senior Design
_____ (2) EEE 48000 Environmental and Ecological Engineering Senior Design
_____ (1) EEE 48100 Reflective Practitioner

EEE Selectives (21cr) **& Technical Electives** (6cr)

_____ (3) EEE Selective 1 - Category A
_____ (3) EEE Selective 2 - Category B
_____ (3) EEE Selective 3 - Category C
_____ (3) EEE Selective 4 - Category D
_____ (3) EEE Selective 5
_____ (3) EEE Selective 6
_____ (3) EEE Selective 7
_____ (3) Technical Elective 1
_____ (3) Technical Elective 2

Other Departmental/Program Course Requirements (58 credits)

_____ (2) *ENGR 13100 Transforming Ideas to Innovation I *(*Satisfies First Year Engineering)*
_____ (2) *ENGR 13200 Transforming Ideas to Innovation II
_____ (4) *MA 16500 Analytic Geometry & Calculus I
_____ (4) *MA 16600 Analytic Geometry & Calculus II
_____ (4) *CHM 11500 General Chemistry I
_____ (4) *CHM 11600 General Chemistry II
_____ (4) *PHYS 17200 Modern Mechanics
_____ (3) *Satisfy FYE (WC)
_____ (3) *Satisfy FYE (OC)
_____ (4) MA 26100 Multivariate Calculus
_____ (4) MA 26200 Linear Algebra and Differential Equations
_____ (3) CE 29700 Basic Mechanics I (Statics) or ME 27000 Mechanics I
_____ (3) CE 29800 Basic Mechanics II (Dynamics) or ME 27400 Mechanics II
_____ (2) BIOL 11200 Fundamentals Of Biology
_____ (3/1) CE 34000 Hydraulics + CE 34300 Hydraulics Laboratory
_____ (3) STAT 51100 Statistical Methods
_____ (2) BIOL 28600 Intro. Ecol. & Evolution
_____ (3) FNR 58600 Urban Ecology

EEE General Education Electives (18 credits)

_____ (3) **Satisfy (H)** (3) *EEE intersection Society/Environment* (3) _____
_____ (3) **Satisfy (BSS)** (3) _____ (3) _____

University Core Requirements (http://www.purdue.edu/provost/initiatives/curriculum/course.html)

Human Cultures Humanities(H)	**EEE Gen Ed (H)**	*Science, Tech & Society Selective(STS)*	**CE/EEE 35500 (STS)**
Human Cultures Beh/Social Science(BSS)	**EEE Gen Ed(BSS)**	*Written Communication(WC)*	**FYE (WC)**
Information Literacy(IL)	**ENGR 13100**	*Oral Communication(OC)*	**FYE (OC)**
Science Selective	**CHM 11500**	*Quantitative Reasoning*	**MA 16500**
Science Selective	**PHYS 17200**		

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The student is ultimately responsible for knowing and completing all degree requirements.
Degree Works is knowledge source for specific requirements and completion.

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(effective Fall 2023)

Environmental and Ecological Engineering (EEE)

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite
2	ENGR 13100♦	
4	MA 16500♦	ALEKS 85,SATR M 670 or ACT M 29
4	CHM 11500♦	ALEKS 75, SATR M 620 or ACT M 26
3	University Core (Written Communication)♦	
13		

Credits	Spring 1st Year	Prerequisite
2	ENGR 13200♦	ENGR 13100
4	MA 16600♦	MA 16500
4	CHM 11600♦	CHM 11500
4	PHYS 17200♦	ALEKS 85, MA 16500[CC]
3	University Core (Oral Communication)♦	
17		

Credits	Fall 2nd Year	Prerequisite
4	MA 26100♦	MA 16600
3	ME 27000♦ or CE 29700♦	check
3	Technical Elective 1	
3	General Education Elective	
3	EEE 23000	CHM 11600[CC], MA 16600, PHYS 17200
2	EEE 29001	FYE or EEE
18		

Credits	Spring 2nd Year	Prerequisite
4	MA 26200	MA 26100
3	ME 27400♦ or CE 29800♦	check
3	EEE 35000♦	CHM 11600, MA 16600, PHYS 17200
3	EEE 38000	CHM 11600, MA 26100
3	General Education Elective	
16		

Credits	Fall 3rd Year	Prerequisite
3/1	CE 34000♦/34300	CE 29800 or ME 27400
2	BIOL 11200♦	
3	EEE 35500♦	Sophomore Class
3	EEE 36000 <u>or</u> EEE Selective 2–Category B	CHM 11600
3	EEE Selective 1-Category A	
3	General Education Elective	
18		

Credits	Spring 3rd Year	Prerequisite
2	BIOL 28600	BIOL 11200
3	STAT 51100	Sophomore Class, MA 16600
3	EEE 30000	EEE 35000[CC], and ENGR 13200 or CS 15900, and MA 26200
3	EEE Selective 2–Category B <u>or</u> EEE 36000	
1	EEE 39000	EEE 29001 and EEE
3	Technical Elective 2	
15		

Credits	Fall 4th Year	Prerequisite
3	FNR 58600	
1	EEE 48000	Dept Perm
3	EEE Selective 3–Category C	
3	EEE Selective 4–Category D	
1	EEE 48100	EEE 48000[CC]
3	General Education Elective	
14		

Credits	Spring 4th Year	Prerequisite
2	EEE 48000	Dept Perm
3	EEE Selective 5	
3	EEE Selective 6	
3	EEE Selective 7	
3	General Education Elective	
3	General Education Elective	
17		

128 semester credits required for Bachelor of Science degree.
Students must have 32 credits at the 30000 level or above taken at Purdue.
2.0 Graduation GPA required for Bachelor of Science degree.
2.0 required in College of Engineering courses at the 20000-level and above.
No course for the BSEEE may be taken pass/no pass. The Academics Committee will entertain petitions for exceptions.
A maximum of 6 credits total of EPICS, GEP and/or VIP may be counted toward the BSEEE. FYE courses not counted.
A maximum of 10 credits from another university or a regional campus may be used as substitutes for Required Major Courses in EEE. Students may not receive transfer credit for EEE 48000.
A maximum of 9 credits from another university or a regional campus may be used as EEE Selective.

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