PURDUE U N I V E R S I T Y

Environmental and Ecological Engineering
College of Engineering

BSEEE
EEE
128 Credits

Departmental/Program Major Courses (46 credits)

Required Major Courses (23 credits)

- (3) EEE 25000 Environmental, Ecological, and Engineering Systems
- (1) EEE 29000 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
- (1) EEE 39000 Environmental and Ecological Engineering Professional Practice Seminar
- (3) EEE 43000 Industrial Ecology And Life Cycle Analysis
- (1) EEE 48000 Environmental and Ecological Engineering Senior Design
- (2) EEE 48000 Environmental and Ecological Engineering Senior Design

EEE Selectives (18cr) & Technical Electives (5cr)

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

Other Departmental/Program Course Requirements (61 credits)

- (2) *ENGR 13100 Transforming Ideas to Innovation I   *(*Satisfies First Year Engineering)*
- (2) *ENGR 13200 Transforming Ideas to Innovation II   (3-4)   *Satisfy **(WC)**
- (4) *MA 16500 Analytic Geometry & Calculus I   (3)   *Satisfy **(OC)**
- (4) *MA 16600 Analytic Geometry & Calculus II
- (4) *CHM 11500 General Chemistry I
- (4) *CHM 11600 General Chemistry II
- (4) *PHYS 17200 Modern Mechanics
- (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) ME 20000 Thermodynamics I or EEE 38000 Environmental Chemodynamics
- (3) CE 29800 Basic Mechanics II (Dynamics) or ME 27400 Mechanics II
- (2) BIOL 12100 Biology I: Diversity, Ecology, and Behavior
- (3/1) CE 34000 Hydraulics + CE 34300 Hydraulics Laboratory
- (3) IE 33000 Probability And Statistics In Engineering II or STAT 35000 Introduction to Statistics
- (2) BIOL 28600 Intro. Ecol. & Evolution
- (3) FNR 58600 Urban Ecology

EEE General Education Electives (18 credits) and Free Elective (3)

- (3) **Satisfy (H)**   (3) _____   (3-2)   Free Elective
- (3) **Satisfy (BSS)**   (3) _____
- (3) _____   (3) *EEE intersection Society/Environment*

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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)*	☐ **BIOL 12100**
Human Cultures Beh/Social Science(BSS)	☐ **EEE Gen Ed(BSS)**	*Written Communication(WC)*	☐ **EEE Gen Ed (WC)**
Information Literacy(IL)	☐ **ENGR 13100**	*Oral Communication(OC)*	☐ **EEE Gen Ed (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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Environmental and Ecological Engineering (EEE)

Suggested Arrangement of Courses:

Credits	Fall 1st Year	Prerequisite	Credits	Spring 1st Year	Prerequisite
2	ENGR 13100^{CC}		2	ENGR 13200^{CC}	ENGR 13100
4	MA 16500^{CC}	ALEKS 85,SATR M 670 or ACT M 29	4	MA 16600^{CC}	MA 16500
4	CHM 11500^{CC}	ALEKS 75, SATR M 620 or ACT M 26	4	CHM 11600^{CC}	CHM 11500
			4	PHYS 17200^{CC}	ALEKS 85
4-3	University Core (Written Communication) ^{CC}		3	University Core (Oral Communication) ^{CC}	
14-13			**17**		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	EEE 25000	Sophomore Class	3	EEE 35000^{CC}	MA 16600, CHM 11600, PHYS 17200
1	EEE 29000		3	ME 20000 or EEE 38000	MA 26100
3	ME 27000 or CE 29700^{CC}	MA 26100 (concurrent) and PHYS 17200; check	3	ME 27400 or CE 29800^{CC}	check
4	MA 26100^{CC}	MA 16600	4	MA 26200	MA 26100
3	Technical Elective 1		3	General Education Elective	
3	General Education Elective				
17			**16**		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	EEE 36000^{CC} or EEE Selective 2–Category B	check	3	EEE 30000	MA 16600
3/1	CE 34000^{CC}/34300	CE 29800 or ME 27400	3	IE 33000 or STAT 35000	check
3	EEE 35500	Sophomore Class	1	EEE 39000	
2	BIOL 121 ^{CC}		3	EEE 43000	MA 16600 and EEE 25000 or 30000 or 35000 or 35500
3	EEE Selective 1-Category A		2	BIOL 28600	BIOL 12100
3	General Education Elective		3	EEE Selective 2–Category B or EEE 36000^{CC}	check
18			**15**		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
1	EEE 48000^{CC}	Dept Perm	2	EEE 48000	Dept Perm
3	FNR 58600		3	EEE Selective 5	
3	EEE Selective 3–Category C		3	EEE Selective 6	
3	EEE Selective 4		3	General Education Elective	
3	General Education Elective		3	General Education Elective	
2	Technical Elective 2		2-3	Free Elective	
15			**16-17**		

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.

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