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 I - Column A
- (3) EEE Selective II - Column B
- (3) EEE Selective III - Column C
- (3) EEE Selective IV
- (3) EEE Selective V
- (3) EEE Selective VI
- (2) Technical Elective I
- (3) Technical Elective II

Other Departmental/Program Course Requirements (55 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
- (4) MA 26100 Multivariate Calculus
- (4) MA 26200 Linear Algebra and Differential Equations
- (3) CE 29700 Basic Mechanics I (Statics)
- (3) ME 20000 Thermodynamics I
- (3) CE 29800 Basic Mechanics II (Dynamics)
- (2) BIOL 12100 Biology I: Diversity, Ecology, and Behavior
- (3/1) CE 34000 Hydraulics + CE 34300 Hydraulics Laboratory
- (3) STAT 35000 Introduction to Statistics
- (2) BIOL 28600 Intro. Ecol. & Evolution
- (3) BIOL 58500 Ecology

EEE General Education Electives (24 credits) and Free Elective (2-3)

(3)	**Satisfy (H)**	(3)		(3-4)	*Satisfy* **(WC)**	(2-3)	Free
(3)	**Satisfy (BSS)**	(3)		(3)	*Satisfy* **(OC)**		
(3)		(3)	*EEE intersection Society/Environment*				

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 13100CC		2	ENGR 13200CC	ENGR 13100
4	MA 16500CC	ALEKS 85	4	MA 16600CC	MA 16500
4	CHM 11500CC	ALEKS 75	4	CHM 11600CC	CHM 11500
1-2	Free Elective		4	PHYS 17200CC	ALEKS 85
4-3	University Core (Written Communication)		3	University Core (Oral Communication)	
15			**17**		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
3	EEE 25000		3	EEE 35000CC	MA 16600, CHM 11600, PHYS 17200
1	EEE 29000		4	MA 26200	MA 26100
3	EEE 35500		3	CE 29700CC	MA 26100 (concurrent) and PHYS 17200
2	BIOL 12100		3	ME 20000	MA 26100 (concurrent) and CHM 11500 and ENGR 13200 (concurrent)
4	MA 26100CC	MA 16600	3	General Education Elective	
3	General Education Elective				
16			**16**		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3	EEE 36000CC	CHM 11600	3	EEE 30000	MA 16600
3	CE 29800CC	CE 29700	3/1	CE 34000/34300	CE 29800
3	STAT 35000	MA 16600	1	EEE 39000	
2	Technical Elective I		3	EEE 43000	MA 16600 and EEE 25000 or 30000 or 35000 or 35500
3	EEE Selective I - Column A		2	BIOL 28600	BIOL 12100
3	General Education Elective		3	EEE Selective II – Column B	
17			**16**		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
1	EEE 48000CC	EEE 25000, EEE 36000 and Dept Perm	2	EEE 48000	EEE 25000, EEE 36000 and Dept Perm
3	EEE Selective III – Column C		3	EEE Selective V	
3	EEE Selective IV		3	EEE Selective VI	
3	BIOL 58500 Ecology	BIOL 28600	3	General Education Elective	
3	General Education Elective		3	General Education Elective	
3	Technical Elective II		1	Free Elective	
16			**15**		

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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