

**Departmental/Program Major Courses (49 credits)**
**Required Major Courses (26 credits)**

- \_\_\_\_\_ (3) EEE 25000 Env, Ecological, and Engineering Sys or EEE 29500 Engineering Econ & Environment
- \_\_\_\_\_ (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
- \_\_\_\_\_ (3) EEE 38000 Environmental Chemodynamics
- \_\_\_\_\_ (1) EEE 39000 Environmental and Ecological Engineering Professional Practice Seminar
- \_\_\_\_\_ (3) EEE 43000 Industrial Ecology And Life Cycle Analysis or EEE 53000 Life Cycle Assess Principle & App
- \_\_\_\_\_ (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 (52 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) 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) IE 33000 Probability And Statistics In Engineering II or STAT 51100 Statistical Methods
- \_\_\_\_\_ (2) BIOL 28600 Intro. Ecol. & Evolution
- \_\_\_\_\_ (3) FNR 58600 Urban Ecology

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

- |                                |   |                                |
|--------------------------------|---|--------------------------------|
| _____ (3) <u>Satisfy (H)</u>   | (3) _____                                       | (3-4) <u>*Satisfy FYE (WC)</u> |
| _____ (3) <u>Satisfy (BSS)</u> | (3) _____                                       | (3) <u>*Satisfy FYE (OC)</u>   |
| _____ (3) _____                | (3) <u>EEE intersection Society/Environment</u> | (3-2) <u>Free Elective</u>     |

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

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

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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 <sup>♦</sup>		2	ENGR 13200 <sup>♦</sup>	ENGR 13100
4	MA 16500 <sup>♦</sup>	ALEKS 85, SATR M 670 or ACT M 29	4	MA 16600 <sup>♦</sup>	MA 16500
4	CHM 11500 <sup>♦</sup>	ALEKS 75, SATR M 620 or ACT M 26	4	CHM 11600 <sup>♦</sup>	CHM 11500
			4	PHYS 17200 <sup>♦</sup>	ALEKS 85, MA 16500 <sup>CC</sup>
4-3	University Core (Written Communication) <sup>♦</sup>		3	University Core (Oral Communication) <sup>♦</sup>	
<b>14-13</b>			<b>17</b>		

Credits	Fall 2nd Year	Prerequisite	Credits	Spring 2nd Year	Prerequisite
4	MA 26100 <sup>♦</sup>	MA 16600	4	MA 26200	MA 26100
3	ME 27000 <sup>♦</sup> or CE 29700 <sup>♦</sup>	check	3	ME 27400 <sup>♦</sup> or CE 29800 <sup>♦</sup>	check
3	Technical Elective 1		3	EEE 35000 <sup>♦</sup>	MA 16600, CHM 11600, PHYS 17200
3	General Education Elective		3	EEE 38000	MA 26100
3	EEE 25000 or EEE 29500		3	General Education Elective	
1	EEE 29000				
<b>17</b>			<b>16</b>		

Credits	Fall 3rd Year	Prerequisite	Credits	Spring 3rd Year	Prerequisite
3/1	CE 34000 <sup>♦</sup> /34300	CE 29800 or ME 27400	2	BIOL 28600	BIOL 11200
2	BIOL 11200 <sup>♦</sup>		3	IE 33000 or STAT 51100	check
3	EEE 35500 <sup>♦</sup>	Sophomore Class	3	EEE 30000	MA 16600
3	EEE 36000 or EEE Selective 2–Category B	check	3	EEE Selective 2–Category B or EEE 36000	
3	EEE Selective 1–Category A		1	EEE 39000	
3	General Education Elective		2	Technical Elective 2	
<b>18</b>			<b>14</b>		

Credits	Fall 4th Year	Prerequisite	Credits	Spring 4th Year	Prerequisite
3	FNR 58600		2	EEE 48000	Dept Perm
1	EEE 48000	Dept Perm	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	
3	EEE 43000 or EEE 53000	Check	2-3	Free Elective	
<b>16</b>			<b>16-17</b>		

**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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