

## EEE Career Pathways:

The following pathways are suggestions created by a subcommittee of faculty and staff. These are not requirements! Instead, they are a collection of informed choices with the goal to inspire students to explore their own plan that supports their long-term career goals. All students are encouraged to intentionally craft their entire Purdue experience. Tailoring may include Selective, Technical or General Elective choices, additional academic endorsements, engagement in relevant UG research, organizations, activities, study abroad, etc. These lists are purposely succinct and not comprehensive.

Find course syllabi for all EEE courses in Course Insights, which is within your mypurdue portal, or go to <https://sswis.mypurdue.purdue.edu/CourseInsights/>. Other departments may also house their syllabi at this location.

[Purdue Undergraduate Minors](#)

[Purdue Undergraduate Certificates](#)

[Engineering Undergraduate Research Office](#)

[Purdue Student Organizations](#)

[Purdue Study Abroad](#)

## General Plan: Courses listed in order of preference

A- Earth Science	<a href="#">AGRY 33700: Environmental Hydrology</a> or <a href="#">CE 44200: Introduction to Hydrology</a>	(1 Hydrology)
B- Engineering Design	<a href="#">EEE 45600: Wastewater Treatment Processes</a>	
C- Engr Fundamentals/Prof Pract	<a href="#">IE 34300: Engineering Economics</a>	

Three additional courses:	<a href="#">FNR 21000: Natural Resource Information</a> or <a href="#">ASM 54000: GIS Applications</a>	(1 GIS)
	<a href="#">EEE 53000: LCA: Principles And Applications</a>	
	<a href="#">CE 45700: Air Pollution Control and Design</a> or <a href="#">CE 55700: Air Quality Management</a>	(1 Air)
	<a href="#">CE 44000: Urban Hydraulics</a>	
	<a href="#">EEE 47200: Community-Engaged Engineering &amp; Design</a>	
	EEE 56000 (VT): Env Ecol Reg And Compliance (1cr)	
	<a href="#">AGRY 25500: Soil Science</a>	
	<a href="#">EEE 57000: Solid &amp; Haz Waste Mgmt</a>	
<a href="#">CE 31100: Arch Engineering</a>		

Find course syllabi for EEE

49500, 56000, 59500 at <https://sswis.mypurdue.purdue.edu/CourseInsights/>

## Traditional Environmental Consulting: Courses listed in order of preference

A- Earth Science	<a href="#">AGRY 33700: Environmental Hydrology</a>	or <a href="#">CE 44200: Introduction to Hydrology</a>	(1 Hydrology)
B- Engineering Design	<a href="#">EEE 45600: Wastewater Treatment Processes</a>		
C- Engr Fundamentals/Prof Pract	<a href="#">FNR 21000: Natural Resource Information Management</a>	or <a href="#">ASM 54000: GIS Applications</a>	(1 GIS)
Three additional courses:	<a href="#">CE 44000: Urban Hydraulics</a>		(1 Air)
	<a href="#">CE 45700: Air Pollution Control and Design</a>		
	or <a href="#">CE 55700: Air Quality Management</a>		
	<a href="#">IE 34300: Engineering Economics</a>		
	<a href="#">EEE 47200: Community-Engaged Engineering &amp; Design</a>		
	EEE 56000 (VT): Env Ecol Reg And Compliance (1cr)		
	<a href="#">EEE 57000: Solid &amp; Haz Waste Mgmt</a>		
<a href="#">EEE 38500: Environmental Soil Chemistry</a>			
<a href="#">EEE 55201: Environmental Biotechnology</a>			

Find course syllabi for EEE

49500, 56000, 59500 at <https://swwis.mypurdue.purdue.edu/CourseInsights/>

## Industrial Sustainability / Manufacturing Sector: Courses listed in order of preference

A- Earth Science	<a href="#">EAPS 22500: Science Of The Atmosphere</a> or <a href="#">AGRY 33500: Weather and Climate</a>
B- Engineering Design	<a href="#">EEE 53000: LCA: Principles And Applications</a>
C- Engr Fundamentals/Prof Pract	<a href="#">IE 34300: Engineering Economics</a>

Three additional courses:	<a href="#">EEE 36000 (VT): Spring sections offered on Industrial Sustainability (1cr each; if not taken for Major Core)</a>
	<a href="#">EEE 56000 (VT): Fall sections offered on Industrial Sustainability (1cr each)</a>
	<a href="#">EEE 56000 (VT): Env Ecol Reg And Compliance (1cr)</a>
	<a href="#">CE 45700: Air Pollution Control and Design</a> or <a href="#">CE 55700: Air Quality Management</a>
	<a href="#">EEE 57000: Solid &amp; Haz Waste Mgmt</a>
	<a href="#">CE 31100: Arch Engineering</a>
	<a href="#">MET 42200: Power Plants And Energy Conversion</a>
<a href="#">ME 51400: Fundamentals of Wind Energy</a>	

(1 Air)

Find course syllabi for EEE 360, 49500, 56000, 59500 at <https://sswis.mypurdue.purdue.edu/CourseInsights/>

## Habitat Restoration or Green Infrastructure: Courses listed in order of preference

A- Earth Science	<a href="#">AGRY 25500: Soil Science</a>	
B- Engineering Design	<a href="#">ABE 32500: Soil and Water Resource Engineering</a>	
C- Engr Fundamentals/Prof Pract	<a href="#">FNR 21000: Natural Resource Info Mgmt</a> or <a href="#">ASM 54000: GIS Applications</a>	(1 GIS)
Three additional courses:	<a href="#">AGRY 33700: Environmental Hydrology</a> or <a href="#">CE 44200: Introduction to Hydrology</a>	(1 Hydrology)
	<a href="#">ABE 42600: Ecological Restoration Engineering</a>	
	<a href="#">CE 44000: Urban Hydraulics</a>	
	<a href="#">EEE 47200: Community-Engaged Engineering &amp; Design</a>	
	<a href="#">AGRY 45000: Soil Cons &amp; Water Mgmt</a> or <a href="#">BIOL 48300: Env &amp; Conservation Biol</a> or <a href="#">FNR 54300: Cons Biology I</a>	(1 Conservation)
	<a href="#">ABE 42500: Water Quality Engineering</a>	
	<a href="#">CE 54300: Coastal Engineering</a>	

Find course syllabi for EEE 360, 49500, 56000, 59500 at <https://sswis.mypurdue.purdue.edu/CourseInsights/>

## Sustainable Urban Systems Planning: Courses listed in order of preference

A- Earth Science	<a href="#">AGRY 33700: Environmental Hydrology</a>	or	<a href="#">CE 44200: Introduction to Hydrology</a>	(1 Hydrology)
B- Engineering Design	<a href="#">CE 44000: Urban Hydraulics</a>			
C- Engr Fundamentals/Prof Pract	<a href="#">FNR 21000: Natural Resource Information</a>	or	<a href="#">ASM 54000: GIS Applications</a>	(1 GIS)

Three additional courses:	<a href="#">IE 34300: Engineering Economics</a>			
	<a href="#">CE 54300: Coastal Engineering</a>			
	<a href="#">CE 51200: The Comprehensive Urban Planning Process</a>			
	'Disaster/Emergency' or 'Complex Issues' course by	or	Any 'Climate' or 'Risk' course by	or 'Urban Mobility' by
	Whelton		Nateghi	Cai
	<a href="#">CE 31100: Arch Engineering</a>			
	CE 59700 (VT): Sustain Bldg Dsgn Constr & Oper (CE 31100 prereq)			
<a href="#">CM 51000: Env Sust Const Design &amp; Devel</a>				
<a href="#">EEE 47200: Community-Engaged Engineering &amp; Design</a>				

Find course syllabi for EEE 360, 49500, 56000, 59500 at <https://swwis.mypurdue.purdue.edu/CourseInsights/>

## Customize to Interest in Energy, International Development, Non-Profit or Policy:

\*Disclaimer - Neither Purdue Engineering or EEE provide depth or specialization in these areas. Thus students will be required to intentionally craft their entire Purdue experience, and a commitment to leading one's own investigation into opportunities that meet specific interests and goals is paramount. Tailoring may include Selective, Technical or General Elective choices, additional academic endorsements, engagement in relevant UG research, organizations, activities, study abroad, etc. The list below is not comprehensive.

A- Earth Science	<a href="#">EAPS 22500: Science Of The Atmosphere</a> or <a href="#">AGRY 33500: Weather and Climate</a>
B- Engineering Design	Choose per interest
C- Engr Fundamentals/Prof Pract	<a href="#">IE 34300: Engineering Economics</a>

Three additional courses:	<a href="#">EEE 59500 (VT): Water Supply in Developing Countries</a>
	<a href="#">EEE 49500 (VT): Sustainability Across Sectors</a>
	<a href="#">EEE 47200: Community-Engaged Engineering &amp; Design</a>
	Relevant EPICS, or VIP, or GEP
	<a href="#">EEE 56000 (VT): Env Ecol Reg And Compliance (1cr)</a>
	<a href="#">EDCI 50600: Environmental Education</a>
	<a href="#">MET 42200: Power Plants And Energy Conversion</a>
<a href="#">ME 51400: Fundamentals of Wind Energy</a>	

Find course syllabi for EEE 360, 49500, 56000, 59500 at <https://sswis.mypurdue.purdue.edu/CourseInsights/>

Suggested Technical Electives:

- [ASEC 49000 \(VT\): Informal Community-Based Edu](#)
- [FNR 49800 \(VT\): Envirnmntl Justice Struc Racism](#)
- [EAPS 32700 - Climate, Science And Society](#)
- [EAPS 37500 - Great Issues - Fossil Fuels, Energy And Society](#)
- [ENGL 43300 - Writing Proposals And Grants \(can be used as TE or Gen Ed\)](#)
- [ENGR 30500 - Fundamentals Of Innovation Theory And Practice](#)
- [ENGR 31000 - Engineering In Global Context](#)
- [ME 49200 - Technology and Values](#)
- [MET 52700 - Technology From A Global Perspective](#)

Suggested General Ed Electives: [AGEC 40600: Natural Resources and Environmental Economics](#)  
[AGEC 41500: Community and Resource Development](#)  
[AGEC 52500: Environmental Policy Analysis](#)  
[ANTH 32700: Environment And Culture](#)  
[ENGL 34400: Environmental Ethics, Policy, And Sustainability](#)  
[PHIL 29000: Environmental Ethics](#)  
[POL 22300 - Introduction To Environmental Policy](#)  
[POL 32300 - Comparative Environmental Policy](#)  
[POL 32700 - Global Green Politics](#)  
[POL 42300 - International Environmental Policy](#)  
[POL 42500 - Environmental Law And Politics](#)  
[POL 42800 - The Politics Of Regulation](#)  
[POL 42900 - Contemporary Political Problems](#)  
[POL 52000 - Special Topics In Public Policy](#)  
[POL 52300 - Environmental Politics And Public Policy](#)

Review Justice-Equity-Diversity-  
Inclusion (JEDI) Course List:

[Center for Intercultural Learning, Mentorship, Assessment and Research \(CILMAR\)](#)

Suggested Minors/Certificates:

[Environmental Politics and Policy Minor](#)  
[Innovation and Transformational Change Minor](#)  
[Cornerstone Certificate](#)  
[Collaborative Leadership Certificate](#)  
[Global Studies Minor](#)  
[Global Engineering Studies Minor](#)  
[Peace Corps Prep certificate](#)

Suggested Activities:

[Engineering Undergraduate Research Office](#)  
[Purdue Study Abroad](#)  
[Purdue Student Organizations](#)