

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](#)

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General Plan: Courses listed in order of preference

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

Three additional courses:	FNR 21000: Natural Resource Information or ASM 54000: GIS Applications	(1 GIS)
	EEE 53000: LCA: Principles And Applications	
	CE 45700: Air Pollution Control and Design or CE 55700: Air Quality Management	(1 Air)
	CE 44000: Urban Hydraulics	
	EEE 47200: Community-Engaged Engineering & Design	
	EEE 56000 (VT): Env Ecol Reg And Compliance (1cr)	
	AGRY 25500: Soil Science	
	EEE 59500 (VT): Solid & Haz Waste Mgmt	
	CE 31100: Arch Engineering	

Find course syllabi for EEE

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

Traditional Environmental Consulting: Courses listed in order of preference

A- Earth Science	AGRY 33700: Environmental Hydrology	or CE 44200: Introduction to Hydrology	(1 Hydrology)
B- Engineering Design	EEE 45600: Wastewater Treatment Processes		
C- Engr Fundamentals/Prof Pract	FNR 21000: Natural Resource Information Management	or ASM 54000: GIS Applications	(1 GIS)
Three additional courses:	CE 44000: Urban Hydraulics		(1 Air)
	CE 45700: Air Pollution Control and Design	or CE 55700: Air Quality Management	
	IE 34300: Engineering Economics		
	EEE 47200: Community-Engaged Engineering & Design		
	EEE 56000 (VT): Env Ecol Reg And Compliance (1cr)		
	EEE 59500 (VT): Solid & Haz Waste Mgmt		
EEE 38500: Environmental Soil Chemistry			

Find course syllabi for EEE

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

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

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

Three additional courses:	EEE 36000 (VT): Spring sections offered on Industrial Sustainability (1cr each; if not taken for Major Core)
	EEE 56000 (VT): Fall sections offered on Industrial Sustainability (1cr each)
	EEE 56000 (VT): Env Ecol Reg And Compliance (1cr)
	CE 45700: Air Pollution Control and Design or CE 55700: Air Quality Management
	EEE 59500 (VT): Solid & Haz Waste Mgmt
	CE 31100: Arch Engineering
	MET 42200: Power Plants And Energy Conversion
ME 51400: Fundamentals of Wind Energy	

(1 Air)

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

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

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

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

Sustainable Urban Systems Planning: Courses listed in order of preference

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

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

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	EAPS 22500: Science Of The Atmosphere or AGRY 33500: Weather and Climate
B- Engineering Design	Choose per interest
C- Engr Fundamentals/Prof Pract	IE 34300: Engineering Economics

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

Find course syllabi for EEE 360, 49500, 56000, 59500 at <https://swwis.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](#)