

# Program Change Request

Date Submitted: 10/24/24 1:52 pm

Viewing: **SUST : Minor in Sustainability**

Last approved: 10/16/23 8:08 pm

Last edit: 01/10/25 2:37 pm

Changes proposed by: bstephe5

Catalog Pages  
Using this Program  
[Minor in Sustainability](#)

## In Workflow

1. AC Interdisciplinary Curriculum Committee Chair
2. Academic Affairs
3. Undergraduate Academic Affairs
4. AC Dean
5. Undergraduate Studies Committee Chair
6. Faculty Council Chair
7. Academic Affairs

Program Status	Active							
Requestor	Name	Brent Stephens	E-mail					
	bstephe5@iit.edu							
Origination Date	<u>2024-10-24</u> <del>2023-5-19</del>							
Is this an interdisciplinary program?	Yes							
Academic Unit	Civil Archl Environ Engrg							
College	Armour College of Engineering							
Contributing Academic Unit(s)	<table border="1"> <thead> <tr> <th>Academic Units</th> </tr> </thead> <tbody> <tr> <td>Social Sciences</td> </tr> <tr> <td>Food Science and Nutrition</td> </tr> <tr> <td>Business Administration</td> </tr> <tr> <td>Institute of Design</td> </tr> </tbody> </table>			Academic Units	Social Sciences	Food Science and Nutrition	Business Administration	Institute of Design
Academic Units								
Social Sciences								
Food Science and Nutrition								
Business Administration								
Institute of Design								
Program Title	Minor in Sustainability							
Effective Academic Year	<u>2024</u> <del>2022</del> - <u>2025</u>	Effective Term	Fall 2024					
	<del>2023</del>							

## Approval Path

1. 01/10/25 2:38 pm  
Hamid Arastoopour (arastoopour): Approved for AC Interdisciplinary Curriculum Committee Chair
2. 01/10/25 7:54 pm  
Ayesha Qamer (aqamer): Approved for Academic Affairs
3. 01/13/25 3:28 pm  
Joseph Gorzkowski (jgorzkow): Approved for Undergraduate Academic Affairs
4. 01/13/25 4:05 pm  
Hamid Arastoopour (arastoopour): Approved for AC Dean

## History

Academic Level Undergraduate

1. Aug 1, 2022 by Patty Johnson Winston (winston)
2. Aug 1, 2022 by Patty Johnson Winston (winston)
3. Oct 16, 2023 by Brent Stephens (bstephe5)

*If all courses in a subject in your department are required, please enter each subject followed by the number ranges in the "Quick Add" field in the pop up box when you click the green plus button below. For example: ARCH 100-499.*

What courses will factor the major GPA?

Program Type Minor

Program Code SUST

Program Attribute

Total Program Credit Hours 15

Please provide a summary and rationale for the requested program revision.

latest: removing a comment on ENVE 201 that did not need to be there any longer  
previous: Updated elective course list to reflect current offerings 08/1/2022, PJW:Directed, by Joseph Orgel and Abby McGrath, to bypass the CourseLeaf CIM workflow approval process for this new program proposal. Performed "Admin Save" to bypass workflow and make program official for Banner entry. Not able to attach email record of the directive; will maintain a record of the request to bypass the CIM workflow approval process in the "myfile.iit.edu" server under "CourseLeaf."

## Proposed Catalog Entry

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### Course Requirements

As the world faces tremendous challenges and threats to its own sustainability -- including climate change, environmental pollution, depletion of natural resources, loss of biodiversity, poverty, hunger, and gender equality -- the importance of sustainable economic and social development is increasingly prioritized by organizations, governments, and citizens globally. The Minor in Sustainability provides students with a broad understanding of the principles of sustainability and the tools and techniques used for assessment and mitigation of issues in economic, social, and environmental sustainability.

A total of 15 credits are required to earn the Minor in Sustainability. Three required courses (9 hours) will introduce students to the social, political, and technical dimensions of sustainability. Two elective courses (6 hours) will allow students to focus in sustainability application areas of their choice while taking courses that are consistent with their level of preparation in their major degree program.

<a href="#">ENVE 201</a>	Earth Environ Sci	3
<a href="#">PS 329</a>	Environmental Politics and Policy	3
or <a href="#">PS 338</a>	Energy Policy	
<a href="#">FDSN 314</a>	Sustainable Food Systems	3
or <a href="#">SAM 504</a>	Industrial Ecology and the Circular Economy	
Select a minimum of two courses from the following:		6
<a href="#">ARCH 421</a>	Basics of Building Simulation in the Built Environment I	3
<a href="#">ARCH 422</a>	Basics of Building Simulation in the Built Environment II	3
<a href="#">ARCH 460</a>	Integrated Building Delivery Practice/BIM	3
<a href="#">ARCH 462</a>	Planning Law and Land Policy	3
<a href="#">CAE 331</a>	Building Science <sup>1</sup>	3
<a href="#">CAE 462</a>	<a href="#">Introduction to Sustainable Building Design</a>	<u>3</u>
<a href="#">CAE 465</a>	Energy Conservation in Buildings <sup>1</sup>	3
<a href="#">CAE 556</a>	Net Zero Energy Building Design I	3
<a href="#">CAE 557</a>	Net Zero Energy Building Design II	3
<a href="#">CHE 543</a>	Energy, Environment, and Economics <sup>1</sup>	3
<a href="#">CHEM 410</a>	Science of Climate Change	3
<a href="#">CHEM 472</a>	Environmental Chemistry	3
<a href="#">ECE 412</a>	Hybrid Electric Vehicle Drives <sup>1</sup>	4
<a href="#">ECE 418</a>	Power System Analysis <sup>1</sup>	3
<a href="#">ECE 548</a>	Energy Harvesting <sup>1</sup>	3
<a href="#">ECE 580</a>	Elements of Sustainable Energy <sup>1</sup>	3
<a href="#">SAM 501</a>	Environmental Policy	3
<a href="#">SAM 502</a>	Environmental Law	3
<a href="#">SAM 503</a>	ESG Analytics and Management	3
<a href="#">SAM 504</a>	Industrial Ecology and the Circular Economy	3
<a href="#">SAM 541</a>	Sustainable Energy Systems	3
<a href="#">ENVE 401</a>	Introduction to Water Resources Engineering <sup>1</sup>	3
<a href="#">ENVE 402</a>	Introduction to Environmental Engineering and Sustainable Design <sup>1</sup>	3
<a href="#">ENVE 403</a>	Occupational and Environmental Health and Safety	3

<a href="#">ENVE 404</a>	Water and Wastewater Engineering <sup>1</sup>	3
<a href="#">ENVE 422</a>	Global Environmental Change and Sustainability Analysis	3
<a href="#">ENVE 423</a>	<a href="#">Geoenvironmental Engineering</a>	<u>3</u>
<a href="#">ENVE 444</a>	Carbon Capture, Utilization, and Storage	3
<a href="#">ENVE 463</a>	Introduction to Air Pollution Control <sup>1</sup>	3
<a href="#">FDSN 410</a>	Food Plant Operations	3
<a href="#">INTM 416</a>	Integrated Facilities Management	3
<a href="#">INTM 423</a>	Sustainable Facilities Operations	3
<a href="#">INTM 459</a>	Issues in Industrial Sustainability	3
<a href="#">INTM 461</a>	Energy Options for Industry	3
<a href="#">INTM 462</a>	Special Topics in Sustainability	3
<a href="#">MMAE 522</a>	Nuclear, Fossil-Fuel, and Sustainable Energy Systems <sup>1</sup>	3
<a href="#">MMAE 524</a>	Fundamentals of Combustion <sup>1</sup>	3
Total Credit Hours		15

<sup>1</sup>

Denotes a course with prerequisites in mathematics, science, and/or engineering. Check the course catalog for specific prerequisites.

Sample  
Curriculum/Program  
Requirements

[OK](#)

Report to Faculty  
Council

Reviewer  
Comments

**Hamid Arastoopour (arastoopour) (01/10/25 2:37 pm):** I am suggesting adding CHE 541, Renewable energy to the list of elective courses.

Key: 529