

SUSTAINABILITY IN DESIGN MINOR

Contact

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Program Description

This minor provides an interdisciplinary foundation on sustainable design strategies for products, services, and the built environment. Centered on creating opportunities for innovative solution development, students will be challenged to reimagine their practice through the lens of environmental and societal impact.

Teaching Faculty for minor delivery:

- Seyeon Lee, PhD, Associate Professor of Interior and Environmental Design
- Don Carr, MFA, Professor of Industrial Design
- Yves Michel MASc, Professor of Practice, Industrial Design

Applicant Pool: Current and future students across the Syracuse University campus. The interdisciplinary nature of this minor makes it complimentary to many degree programs, but will likely draw from design, architecture, and engineering.

Student Learning Outcomes

1. Establish an interdisciplinary foundation on sustainable design strategies for products, services, and the built environment
2. Reimagine design practice through the lens of environmental and societal impact
3. Engage in interdisciplinary collaboration with other units within VPA, across campus, and SUNY ESF encompassing fields such as geography, biology, entrepreneurship and emerging enterprise, landscape architecture, and construction engineering management
4. Examine their surrounding environments as well as their own lifestyles through the lens of sustainability
5. Integrate knowledge from multiple disciplines to address the economic, environmental, and social impacts of production, resource management, and the built environment

General Requirements

To complete a minor of Sustainability in Design, students need to complete 18 credits that meet requirements A and B, listed below. At least 12 credits must be taken at the 300 or 400 level.

Code	Title	Credits
Foundational Courses		
Lower-division courses must include one course from each theme:		9
<i>Sustainability and Society</i>		
GEO 103	Environment and Society	
GEO 215	Global Environmental Change	
<i>Sustainability in the Built Environment</i>		
DES 304	Collaborative Design	
IND 494	Biomimicry: Learning from Nature	
<i>Sustainability in Production</i>		

ECS 511	Sustainable Manufacturing	
IND 373	Production Processes: Metals	
Specialization Courses		
Specialization courses must include 9 credits from the list below.		9
Whilst the electives are group by theme, students can take any of the courses within or across the specializations.		
<i>Sustainability and Society</i>		
CRS 377	Communication, Nature & Sustainability	
DES 248	Design Issues	
EEE 450	Sustainable Enterprise	
<i>Sustainability in the Built Environment</i>		
CME 215 - Sustainable Construction		
CME 304 - Environmental Performance Measures		
CME 305 - Sustainable Energy Systems for Buildings		
CME 387 - Renewable Materials for Sustainable Construction		
CEE 577	Urban Stormwater Management	
<i>Sustainability in Production</i>		
IND 392	Regenerative and Sustainable Materials for Design	
IND 492	CAD for Sustainable Mass Manufacture	
IND 490	Independent Study	
Total Credits		18