

Sustainable Materials and Technology (SM&T) Minor

The Sustainable Materials and Technology (SM&T) minor offers all FIT students the opportunity to gain an understanding to evaluate the different types of challenges faced by our societies through fundamental scientific knowledge and practice applying this to real-world scenarios and problems. The SM&T minor will complement students' major-course knowledge and prepare them to lead their industries to a more sustainable future.

This minor includes an engaging set of courses tackling issues touching on the three pillars of sustainability, social, economic, and environmental, and the tools needed to bridge these to build truly sustainable solutions. The foundation of scientific and technical information, tools, materials understanding, and critical thinking helps students see themselves as an active part of the changes needed to make an impact locally and globally. Students will be exposed to new technologies and materials that are currently available or being researched to mitigate the challenges faced world-wide, and offered opportunities to participate in impactful projects.

The following requirements below are intended for students beginning fall 2023.

To declare your minor, please speak to your academic advisor for assistance.

Minor Coordinator:

Karen Pearson

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Required:

SC 102 Climate Change	3
SC 202 The True Cost: A Product's Life Cycle and the Science of Sustainability	3

Electives:

CS 100 Societal Impact of Computing, Security, and Ethics	3
SC 100 Wired	3
SC 101 Bidesign: Innovation at the Intersection of Science and Design	3
SC 201 Plants, Pollinators, and People	3
SC 203 Disease Ecology in a Changing World	3
SC 204 Designing with Emerging Materials (Interdisciplinary)	3

SC 245 Chemistry of the Everyday World	3
SC 253 Ecology and Environmental Problems	3
HA 319 Art History and Conservation	3
ID 472 Ecology and the Built Environment	2
SS 302 Economics of Energy and Fossil Fuels	3
SS 336 Psychology for Sustainability	3
TT 247 Color Creation and Sustainable Applications	3