MSSD
Master of Science in Sustainable Design

1 Fall 1st Year (48 units)
Prep:
Summer Online (3 units)
48-689 | Digital Skills Workshops (3)
Pre-Requisite: (9 units)
48-315 | Environment 1: Climate & Energy (9)
Core: (39 units)
48-743 | Intro to Ecological Design Thinking (6)
48-722 | Building Performance Modeling (12)
48-729 | Productivity, Health & the Quality of Buildings (9~12)
48-795 | LEED, Green Design & Building Rating in a Global Context (6) *
12-748 | Mechanical & Electrical System Design for Buildings (6)

Program Description:
The Master of Science in Sustainable Design degree program provides an integrated education that strives to prepare its graduates for careers that will reshape the built environment in a sustainable fashion. This challenging program is intended for recent graduates and practicing professionals with degrees related to the built environment including architecture, landscape architecture, ecology, engineering, construction, interior architecture/design, facilities management and others.

* LEED™ Accredited Professionals are not required to take this class. A (6) or (9) unit Selective must be substituted.

2 Spring 1st Year (48 units)
Project (12 Units)
48-731 | MSSD Synthesis Prep (12)

3 Track 1: Summer (24 units)
Project (24 Units)
48-732 | MSSD Synthesis (24)

3 Track 2: Summer (0 units)
Optional Practicum (0 Units)
48-700 | Practicum (0)
NB: F1 students must file for CPT

3 Track 2: Fall (24 units)
Project (24 Units)
48-732 | MSSD Synthesis (24)

Selectives 1, 2 & 3: (21 units)**

Program Requirements:
In addition to the standard requirements for all graduate students in the School of Architecture, students in the MSSD program must satisfy the following:
• Students must complete a minimum of 120 units of course work including a minimum of 21 units of MSSD Selective coursework for graduation.
• Students must complete a minimum residency requirement of two (2) academic semesters.
• Full-time status (minimum 36 units per semester) is required during the residency period.
• All course substitutions and selectives must be approved by the program Track Chair.

Core Selectives**
MSSD students must take at least one (1) selective from each category, with a cumulative total of 21 units.
NB: Changes to curricular offerings take place regularly. Visit the CMU Schedule of Classes (https://enr-apps.as.cmu.edu/open/SOC/SOCServlet) for up-to-date information.
The selective categories are:
Category 1: Environmental Tools & Data Modeling
48-738 | Special Topics: Ecological Footprints (F)
48-753 | Intro to Urban Design Media (F)
48-733 | Environmental Performance Simulation (S)

Category 2: Environmental Law & Policy
80-244 | Environmental Ethics (F)
90-765 | Cities, Technology & Environment (S)

Category 3: Sustainable Design & Development
48-725 | Real Estate Design & Development (F)
62-715 | Performative Techniques for Shaping the Built Environment (S)
A full list of selectives will be provided by the track chair.

14 June 2018