

Master of Science in Environmental Systems Management Program



Total Credits: 40 Required Credits: 28 Elective Credits: 12

Required Classes	Year 1: Fall Semester	Credits	Semester Offered
MSCI-610	Science of Sustainability	3	Fall
EMS 620	Sustainable Community Planning	3	Fall
EMS 640	Environmental Law and Justice	3	Fall

Elective Classes			
EMS 621-A	Greening Existing Buildings	1	Fall
EMS 621-B	Green Development	1	Fall
EMS 621-C	Architecture and Energy	1	Fall
EMS 612-G	Brownfield Remediation	1	Fall
EMS 612-H	Industrial Ecology	1	Fall
EMS 612-I	Toxics and Hazardous Materials	1	Fall

Required Classes	Year 1: Spring Semester	Credits	Semester Offered
EMS 624	Environmental Economics	3	Spring
EMS 611	Environmental Impact Assessment	3	Spring
EMS 612-A	Life Cycle Analysis	1	Spring
EMS 612-B	Sustainability Indicators	1	Spring
EMS 612-C	Climate Change and Urban Policy	1	Spring
EMS 612-D	Managing Solid Waste	1	Spring
EMS 612-E	Managing Water Quality	1	Spring
EMS 612-F	Managing Energy Systems	1	Spring

Required Classes	Year 1: Summer Semester	Credits	Semester Offered
PLAN 653	Sustainable Business Studio	5	Summer
EMS 660	Capstone	2	Optional Sequence

Elective Classes			
EMS 732	Energy Audit	1	Summer
EMS 739-A	Sustainable Design/Build	1	Summer
EMS 761-B	Waterfront Planning	1	Summer

Required Classes	Year 2: Fall Semester	Credits	Semester Offered
PLAN 601.2	Sustainable Community Development Studio	5	Fall
EMS 660	Capstone	2	Optional Sequence

Elective Classes			
EMS 763	Policy Writing	1	Fall
EMS 764	Negotiation	1	Fall

Required Classes	Year 2: Spring Semester	Credits	Semester Offered
PLAN 601.1	Neighborhood Planning and Preservation Studio	5	Spring
PLAN 652	Large Site Development Planning Studio	5	Spring
EMS 660	Capstone	2	Optional Sequence

Elective Classes			
EMS 761-A	Watershed Planning	3	Spring
EMS 756-A	LEED: Green Associates	1	Spring
EMS 756-B	LEED: New Construction	1	Spring
EMS 756-C	LEED: Interiors	1	Spring
EMS 756-D	LEED: Operation and Management	1	Spring
EMS 756-E	LEED: Neighborhood	1	Spring
EMS 614-A	Visionary Sustainability Lecture Series 1	1	Spring
EMS 614-B	Visionary Sustainability Lecture Series 2	1	Spring
EMS 614-C	Visionary Sustainability Lecture Series 3	1	Spring
PLAN 544	Computer Applications: GIS	3	Spring

Schedule of students taking part-time course load will vary. However, required courses will only be offered during the semester indicated. Any Planning, Architecture or other Pratt Sustainability Class may be taken as electives by permission of Coordinator and Faculty.