

Schedule for MESM Students Pursuing an Eco-Entrepreneurship Focus

YEAR 1	Fall	Winter	Spring
Bren Core Courses	ESM 201 (4) Ecology of Managed Ecosystems	ESM 202 (4) Env Biogeochemistry	ESM 207 (4) Env Law and Policy
	ESM 203 (4) Earth System Science	ESM 204 (4) Econ of Env Mgmt	ESM 401A (4) Group Project -OR- ESM 402A (4) Eco-E Project: New Venture Formation (<i>overlaps Eco-E Courses below</i>)
	ESM 210 (4) Business and the Env	ESM 206AB (4) Stats and Data Analysis	
	ESM 251 (2) Intro to Policy Analysis	ESM 241 (2) Env Politics and Policy	
Eco-E Courses	ESM 256A (2) Intro to Entrepreneurship and New Venture Creation	ESM 256B (4) New Venture Opportunity Analysis (<i>This course is required if you intend to submit an Eco-E Project proposal.</i>)	ESM 402A (4) Eco-E Project: New Venture Formation (<i>potentially overlaps Bren Core Courses above</i>)
			Eco-E Electives (<i>listed below</i>)
Electives		Specialization Electives	Specialization Electives
Workshops	ESM 437 (2) Writing Skills for Env Professionals (<i>This course is an elective and assignments are linked to ESM 201.</i>)		
	Stats Workshop (0) (<i>if needed</i>)		
	Career Workshop (0)		
Notes	<i>Taking the full suite of courses above is a heavy load (16-18 units) . You may wish to consider deferring either 201, 203, or 210 to your 2nd year. It is not possible to defer 251 because it is a pre-requisite for other courses you will take. Be sure to check pre-requisite guide on the Bren website to make sure the class you defer is not a pre-requisite for other courses in your specialization.</i>	<i>Taking the full suite of courses above is a very heavy load (18 units). You may wish to consider deferring 241 (2 units) or 202 (4 units) to your 2nd year, especially if biennial or 1-time electives are offered that you need/want to take. It is not possible to defer 206AB. Be sure to check pre-requisite guide on the Bren website to make sure the class you defer is not a pre-requisite for other courses in your specialization.</i>	<i>You may defer 207 to your 2nd year if biennial or 1-time electives are offered that you need/want to take.</i>

YEAR 2	Fall	Winter	Spring
Bren Core Courses	ESM 201, 203, or 210 (4) (<i>if deferred</i>)	ESM 202 or ESM 241 (<i>if deferred</i>)	ESM 207 (<i>if deferred</i>)
	ESM 401B (4) Group Project -OR- ESM 402B (4) Eco-E Project	ESM 401C (4) Group Project -OR- ESM 402C (4) Eco-E Project	
Eco-E Courses	Eco-E Electives (<i>listed below</i>)	Eco-E Electives (<i>listed below</i>)	Eco-E Electives (<i>listed below</i>)
Electives	Specialization Electives	Specialization Electives	Specialization Electives

Unit Distribution for a MESM student with an Eco-E focus

At least 80 units of core and elective courses are required for the MESM degree.

- 44 units for core courses
- 14 units for Eco-E focus
 - Eco-E primary courses: ESM 256A, ESM 256B, ESM 402A
 - Eco-E electives: 4 units minimum
- 22 units minimum for specialization electives

Eco-E Focus: Summary of Primary Courses and Electives

Eco-E Focus: Primary Courses

Bren students pursuing the Eco-E focus must take the following courses:

ESM 256A	Introduction to Entrepreneurship and New Venture Creation (2 units)
ESM 256B	New Venture Opportunity Analysis (4 units)
ESM 402A	New Venture Formation (4 units)

Eco-E Focus: Electives

Students must take at least 4 units of Eco-E electives to supplement their primary coursework for the Eco-E focus. Eco-E electives include:

ESM 230	Strategic Planning for Non-Profit Ventures (4 units)
ESM 269	Survey Research Design and Evaluation (2 units)
ESM 285	Environmental Markets (4 units)
ENGR 240	Business Strategy and Leadership Skills* (4 units)
ENGR 241	Managing for Innovation* (4 units)
ENGR 244	Entrepreneurial Marketing* (2 units)
ENGR 246	New Venture Finance* (2 units)
ENGR 250	Managing Operations (2 units)
ENGR 251	Legal and IP Issues in New Ventures (2 units)
ENGR 255	New Product Development* (4 units)

***Note:** Several electives for the Eco-E focus (noted with an asterisk above) also are part of the curriculum for the **Graduate Program in Management Practice (GPMP)**, a UC-recognized certificate offered by the **Technology Management Program ([TMP website](#))**. Eco-E students at the Bren School may take a few additional classes to earn the GPMP certificate. The GPMP requires 16 units of coursework and the GPMP also requires that students practice the concepts they have learned by either participating in an internship (160 hours in a management role) or the New Venture Competition. Adding the GPMP certification to the Eco-E focus would require 8-12 additional units, depending on choice of electives.

Eco-E Project: Required Courses

Bren students pursuing Eco-E Projects must take the following courses:

ESM 402A	New Venture Formation (4 units)
ESM 402B	Eco-E Project (4 units)
ESM 402C	Eco-E Project (4 units)

Supplementary Courses for MESM Students Pursuing an Eco-Entrepreneurship Project

YEAR 1	Fall	Winter	Spring
GPMP Courses to Supplement Eco-E Project		ENGR 246 (2) New Venture Finance*	ENGR 244 (2) Entrepreneurial Marketing*
GPMP Courses to Complete Certificate			ENGR 242 (4) Entrepreneurship* -OR- ENGR 255 (4) New Product Development* <i>(Note: ENGR 255 is not offered every year)</i>

YEAR 2	Fall	Winter	Spring
GPMP Courses to Supplement Eco-E Project	ENGR 250 (2) Managing Operations		
GPMP Courses to Complete Certificate	ENGR 241 (4) Managing for Innovation*	ENGR 240 (4) Business Strategy and Leadership Skills*	

Eco-E Project: Supplementary Courses

Students engaged in an Eco-E Project are encouraged to supplement their Eco-E Project coursework with the following coursework offered by the TMP during the spring quarter of their first year and the fall quarter of their second year.

ENGR 244 Entrepreneurial Marketing* (2 units)
 ENGR 246 New Venture Finance* (2 units)
 ENGR 250 Managing Operations (2 units)

***Note:** Two supplementary courses for the Eco-E Project (noted with an asterisk above) are part of the curriculum for the GPMP.

Additional GPMP Courses to Complete Certificate

Bren students that choose to supplement their Eco-E Project coursework with the GPMP coursework offered by TMP, as suggested above, also may choose to take the following courses to complete the GPMP certificate requirements.

ENGR 240 Business Strategy and Leadership Skills (4 units)
 ENGR 241 Managing for Innovation (4 units)
 ENGR 242 Entrepreneurship (4 units) **-OR-**
 ENGR 255 New Product Development (4 units)