

Spring 2025 Course List for Astani Master's Students

General Reminders

- A minimum of a 3.0 GPA must be maintained to be in good academic standing and to be eligible to graduate
- Most courses are 2-unit or 4-units. Occasionally a 3-unit course exists as an elective option. Taking a 3unit class can result in a student needing to take more than the minimum number of units needed to graduate.
- At least two-thirds of your coursework must be at the 500-level or higher.

This is not a comprehensive list of requirements. Review the <u>USC Catalogue</u> for Official Degree Requirements

Students working full-time should only enroll in <u>4 units</u>. Please reach out to your advisor on the <u>Advise USC</u> <u>platform</u> if you have any additional questions.

Please direct advisor questions to on the <u>Advise USC platform</u>. Due to the high number of requests at this time, it may take up to 3 business days to receive a response. Refrain from following up on an email as that will delay response time.

MSCE – General 28 Unit Minimum

Please enroll in the required courses unless you have completed them in a prior semester. If required courses have been completed, please enroll in the appropriate number of electives to reach the 8 units required to maintain full-time enrollment.

Environmental Engineering & Water Resources	Construction and Transportation
 CE 451: Water Resources and Coastal Engineering (4 units) CE 465: Supply and Sewerage System Design (4 units) ENE 505: Energy and the Environment (4 units) ENE 535: Applied Air Quality Control (4 units) ENE 599: Sustainable Entrepreneurship (4 units) 	 CE 462: Construction Methods and Equipment (2 units) CE 501: Architecture, Engineering and Construction Practices (4 units) CE 569: Project Controls (4 units) CE 583: Design of Transportation Infrastructure (4 units)
Geotechnical Engineering	Structural Engineering
 CE 533: Geotechnical Earthquake Engineering (4 units) 	 CE 537: Advanced Reinforced Concrete (4 units) CE 599: Seismic Design of Structures (4 units) CE 599: Machine Learning for Civil and Environmental Engineering (4 units)