

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 3-unit 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 USC Catalogue 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> platform 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 – Emerging Technologies in Construction 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.

Please Enroll

- If required courses have been completed, choose any approved electives below.
- CE 505: Data Management for Civil and Environmental Engineering (2 units)
- CE 568: Fundamental Concepts of Computing and Programming in Civil and Environmental Engineering (2 units)
- CE 578: Technology-Enabled Architecture, Engineering and Construction (AEC) Projects (4 units)
- CE 499: Construction Enterprise Risk Management (2 units)
- CE 501: Architecture, Engineering and Construction Practices (4 units)
- CE 502: Construction Accounting, Finance and Strategy (4 units)
- CE 526: Engineering Mathematical Methods (4 units)
- CE 532: Data Analytics in Civil Engineering (2 units)
- CE 569: Project Controls (4 units)
- CE 576: Invention and Technology Development (3 units)
- CE 583: Design of Transportation Infrastructure (4 units)
- CE 599: Machine Learning for Civil and Environmental Engineers (4 units)