Students can select courses in the following areas of study:

**Geotechnical**
Foundation Engineering  
Ground Movement  
Geoenvironmental Engineering  
Earthquake Engineering

**Hydraulics**
Open Channel Flow  
Computer Applications Hydraulics  
Hydrology  
Statistical Hydrology

**Structures**
Structure Design in Steel  
Wood and Masonry Structures  
Pre-Stressed Concrete Structures  
Structure Design in Concrete

**Transportation**
Traffic Flow and Capacity  
Highway Geometric Design  
Travel Demand Modeling  
Public Transit Planning and Operations

**Engineering Mechanics**
Elasticity Theory and Applications  
Finite Element Analysis  
Advanced Mechanics of Materials  
Plasticity Theory and Nonlinear Stress Analysis

**Engineering Management**
Coursework only students may take up to 4 courses approved Engineering Management courses that are offered on campus and via the web.
Thinking about making a difference in your career by pursuing a Master's degree?

The Accelerated Masters Program in Civil Engineering
Through the new 3+2 Accelerated Masters Program (AMP) in the Department of Civil Engineering and Engineering Mechanics (CEEM) at The University of Arizona, you can leverage your undergraduate work in Civil Engineering into a graduate degree through the investment of one additional year of coursework. During a student’s senior year a student may take several technical electives at the graduate level. After completing the course with the associated graduate requirements, the student will receive credit toward their undergraduate degree and a Master’s degree.

The AMP offers flexibility: By focusing your graduate classes in one area, you can obtain your M.S. degree in the following sub-disciplines: Geotechnical, Hydraulics/Hydrology, Engineering Mechanics, Structures or Transportation. You may elect to pursue an emphasis in Engineering Management in the coursework option or include Engineering Management courses in other options in coordination with your adviser.

Master’s Degree Options
- Coursework only – 30 coursework units
- Master’s Report – 27 coursework units, 3 report units
- Thesis – 24 coursework units, 6 thesis units

Admission requirements:
- Have completed at least 75 undergraduate credit hours at the time of application and 90 undergraduate credit hours at the time of entry into the AMP, with a cumulative GPA equal or above 3.3
- Have completed least 12 units of undergraduate credit hours in CEEM at The University of Arizona and a GPA above 3.3 may take 500 level courses as their undergraduates technical electives at no additional fee. Upon completing the 500 level course requirements, these units will double count and be transferable to UA CEEM advanced degrees but may not be accepted by other universities.
- Students with a cumulative GPA between 3.3 and 3.6 may take up to 6 – 500 level units and those with a GPA of 3.6 or higher may take up to 9 – 500 level units.
- Have completed, or nearly completed the general education requirements at the time of application
- Undergraduate degree requirements must be completed before the student is eligible to have the Master's degree awarded.
- Submit an application to the graduate college at: http://grad.arizona.edu/admissions/apply-now

If you have questions or need more information about the AMP, please contact:
Program Coordinator
(520) 621-2266
Email: ceem@engr.arizona.edu / Web site: http://civil.arizona.edu