General
A minimum of 30 semester credit hours of approved courses is required for the Master of Engineering degree (MEng). The university places limitations on these credit hours in addition to the requirements of the construction engineering and management program that are listed below. A complete discussion of all university requirements is found in the current Texas A&M University Graduate Catalog under the heading “The Degree of Master of Engineering.” For example, university requirements include a final examination and one or two written reports. The Department of Civil Engineering requires that the examination focus on at least one of the written reports. The report(s), however, need not involve results of research conducted by the candidate. It is the student’s responsibility to propose a degree plan that meets all university, department, and program requirements.

Degree Plan
The student’s advisory committee, in consultation with the student, will develop the proposed degree plan. The proposed degree plan must be typed on the official form as it appears on the Internet at http://ogs.tamu.edu/OGS/pdf/plan.pdf and submitted to the construction engineering and management graduate chair with endorsements by the student’s advisory committee. The plan should be submitted before the student has completed nine (9) of the semester credit hours that will be applied toward the 30-semester credit hour requirement. The office of graduate studies blocks students from further registration if a degree plan is not filed before the end of the second semester of study. The degree plan must also conform to the Department’s MEng degree requirements (dated April 13, 2001).

Prerequisites (cannot apply toward 30 semester credit hour requirement)
All of the following courses are considered prerequisite to any MEng program of study in construction engineering and management: CVEN 349, CVEN 405, and CVEN 473 or equivalents that are approved by the construction engineering and management faculty. If the student does not meet these prerequisite requirements, and one or more of these or other leveling courses must be completed, these credits cannot be applied toward the 30-semester credit hour requirement. No 300 level courses may be included in the 30-hour requirement.

Construction Engineering and Management Requirements

Courses (must have 18 credit hours from courses below)
CVEN 638 Computer Integrated Construction Engineering Systems (Walewski)
CVEN 639 Methods Improvement for Construction Engineers (Reinschmidt)
CVEN 640 Project Development: Methods and Models (Damnjanovic)
CVEN 641 Construction Engineering Systems (Anderson)
CVEN 643 Advanced Construction Methods (none at present)
CVEN 644 Project Risk Management (Reinschmidt)
CVEN 654 Strategic Construction and Engineering Management (Ford)
CVEN 668 Advanced EPC Project Development (Anderson)
CVEN 689 Highways Project Development and Project Management (Anderson)
CVEN 689 Special Topics in Project Control (Ford)

The student’s advisory committee, in consultation with the student, will select a minimum of 12 additional semester credit hours of coursework to complement the overall objectives of the proposed degree plan (see requirements below). Depending on the degree plan, a maximum of 3 semester credit hours of CVEN 685 can be applied toward this requirement. The use of CVEN 685, Directed Study, credits for the proposed degree plan requires formal approval of the student’s graduate advisory committee. Note that there is no minimum requirement for CVEN 685 credit. Further, depending on the degree plan, a maximum of two semester credit hours of CVEN 684, Professional Internship, can be applied toward this requirement. The use of CVEN 684 credits for the proposed degree plan requires formal approval of the student’s graduate advisory committee, including objectives for the internship. A maximum of 12 credit hours of 689 courses are allowed.

Additional Coursework (minimum of 12 semester credit hours)

Additional Required Courses in CEM (must take a minimum of 12 hours from the following)
CVEN - any graduate class with the approval of advisory committee with the following recommended – CVEN 612, 614, 615, 618, 621, 622, 624, 626, 635, 636, 637, 645, 646, 649, 653, 659, 667, 687 and OCEN 686; STAT 601; ISEN 625, 627, 663, 667; MGMT 655; COSC 628 or COSC 463 (Summer Session Only and with approval of advisor only); ACCT 640; MGKT 621; FINC 635 (requires MGMT 655)

Note: Not every course on this list will be taught every year. Courses from this list will be taught in alternate semesters. If course(s) is (are) not offered during your enrollment period and only to the extent that 18 credit hours cannot be completed, replacement course(s) must be selected from courses listed in “Additional Coursework.” The student’s advisor must approve these courses.