

MASTER OF SCIENCE IN CONSTRUCTION MANAGEMENT
Coursework Requirements for non-Thesis Option

General

A minimum of 36 semester credit hours of approved courses are required for the Master of Science in Construction Management (MSCM) - non-Thesis Option. In lieu of a thesis, successful completion of a comprehensive written final examination is required. The university places limitations on these credit hours in addition to the requirements of the Department of Construction Science and the College of Architecture. All university requirements are found in the current Texas A&M University Graduate Catalog under the heading "The Degree of Master of Science." The student is responsible for proposing a degree plan that meets all university, college, and department requirements.

Degree Plan

The student's advisory committee will consist of at least one member of the graduate faculty. This member will be either the Graduate Program Coordinator in the Department of Construction Science, or a member of the graduate faculty appointed by the Graduate Program Coordinator. The student and advisor will develop a proposed degree plan which must be approved by the Graduate Program Coordinator. The degree plan should be submitted for approval no later than the end of the student's second semester of study. Without an approved degree plan, the Office of Graduate and Professional Studies will block the student from further registration. The degree plan must also conform to the Department's MSCM - non-Thesis Option degree requirements.

Core Course Requirements (9-15 Credit Hours)

The Core Course requirements represent the foundational level of construction knowledge that is expected by all graduates from the Department of Construction Science. All of the Core Courses are required; however, COSC 606 and COSC 608 may be waived with sufficient evidence on the student's transcript that similar coursework has been completed previously. If either or both of these courses are waived, they will be replaced with the same number of credit hours of Construction Science electives. The degree plan may include a minimum of nine and a maximum of 15 credit hours of core courses. The required COSC Core Courses are:

COSC Core Courses	CH
COSC 601 Construction Practices	3
COSC 602 Construction Estimating	3
COSC 603 Construction Scheduling	3
¹ COSC 606 Electrical and Mechanical Construction	3
¹ COSC 608 Structural Principles and Practice	3
Total	15

¹These courses may be waived with approval of the Graduate Program Coordinator.

COSC Electives (15-21 Credit Hours)

The student must take a minimum of 15 and a maximum of 21 credit hours of elective courses from the Department of Construction Science. The total combination of Core Courses and COSC Electives should not exceed 30 credit hours. Available COSC Electives include:

COSC Electives	CH
COSC 620 Construction Company Operations	3
COSC 621 Advanced Project Management	3
COSC 622 Construction Economics	3
COSC 624 Construction Business Development	3
COSC 628 Construction Law and Risk Management	3
COSC 631 Advanced Construction Productivity and Lean	3
COSC 642 Construction Information Technology	3
COSC 644 Advance Construction Systems	3
COSC 648 Graduate Capstone	3
COSC 650 Construction Visualization	3
COSC 663 Sustainable Construction	3
COSC 670 Facility Asset Management	3
COSC 684 Professional Internship	3
COSC 685 Directed Studies	3

Non-COSC Electives Requirement (6 Credit Hours)

At least six credit hours are required from courses outside of the Department of Construction Science. The student selects the non-COSC electives in consultation with the advisory committee. Additional non-COSC electives may be selected in order to complete one of the optional certificate plans available through the College of Architecture or the Mays School of Business. It is the student's responsibility to propose a degree plan that conforms to the requirements of the optional certificate plans, if selected.

Proposed Degree Plan (36 Credit Hours)

The MSCM – non-Thesis Option is designed to be completed in two academic years (or four semesters). The actual time to completion is dependent upon the student's progress. The following is a typical plan for completion:

Fall – Year 1	CH	Fall – Year 2	CH
COSC 601	3	COSC Elective	3
COSC 602	3	COSC Elective	3
COSC 603	3	non-COSC Elective	3
<i>Total</i>	<i>9</i>	<i>Total</i>	<i>9</i>

Spring – Year 1	CH	Spring – Year 2	CH
COSC 606	3	COSC Elective	3
COSC 608	3	COSC Elective	3
non-COSC Elective	3	COSC Elective	3
<i>Total</i>	<i>9</i>	<i>Total</i>	<i>9</i>