

Construction Management AS Major - Active

Department: Architecture (includes Interior Design & Construction Management)

Approval: November 2018

Effective Semester: Fall 2019

The Associate in Science Degree Program prepares students to enter the Construction Management Profession in responsible positions. This program is comprehensive and provides students with the practical knowledge and skills required to be effective in professional environment.

Learning Outcomes

Upon completion of this program, students will be able to:

- Manage and control construction work activities utilizing project control methodologies and quality control and assurance techniques.
- Estimate, organize and manage construction project resources through the use of cost estimates and schedules.
- Analyze and interpret construction documents.
- Assess the role of material selection and structures in the field of construction management.
- Assess the contractual and regulatory considerations and restraints associated with the administration of a construction project.
- Manage a construction project utilizing computer software.
- Assess effective methods of communication in a professional work environment.

The California State Contractors License Board gives students who graduate with this degree credit for one and a half of the four years of practical experience required of applicants for the State building contractor's license. Upon graduation from the Construction Management Program, students are qualified to enter the profession through a wide variety of employers such as Construction Managers, General Contractors, Sub-Contractors, as well as Architectural and Engineering offices. Opportunities upon entry into the Profession are varied and include: estimating and cost control, scheduling and planning, document control, quality assurance and inspection.

Assuming students start this AS with transfer-level math and English eligibility, the minimum time for completion is four semesters. Completion time will vary based on student preparation and number of units completed per semester.

Courses Required for the Major in Construction Management AS

Course	Units
First semester required courses:	
CM 100 - Fundamentals of Construction Management	3.00
ARCH 120 - Fundamentals of Building Construction	3.00
MABS 60 - Introduction to Computer Applications for Business	3.00
Total:	9.00
Second semester required courses:	
CM 110 - Construction Graphics	3.00

ARCH 127 - Fundamentals of Building Structures	3.00
CM 248 - Construction Project Administration	3.00
Total:	9.00
Second semester choose one of the following courses:	
MGT 234 - Communication for Business Management	3.00
BSEN 74 - Written Business Communication	3.00
CMST 6 - Workplace Communication	3.00
Total:	3.00
Third semester required courses:	
CM 240 - Construction Cost Estimating	3.00
ARCH 240 - Fundamentals of the International Building Code	3.00
BIM 120 - Revit Architecture I	3.00
Total:	9.00
Fourth semester required courses:	
CM 244 - Construction Scheduling	3.00
ARCH 160 - Professional Practice	3.00
Total:	6.00
Total:	36.00

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