

Construction Management, B.S.

DEPARTMENT

BS in Construction Management, B.S.
MN in Construction Management, Minor
MS in Construction Management, M.S.
BS in Architectural Studies, B.S.

REQUIREMENTS

Department

Bachelor of Science Degree - Construction Management Major Requirements

Program Description

The Bachelor of Science in Construction Management is accredited by the American Council for Construction Education, the professional accreditation organization of the construction industry.

Students in construction management (CM) are exposed to a wide variety of topics, ranging from courses in management and administration of construction companies, projects, people, and equipment to courses focusing on specific techniques for project planning and control work improvement and estimating. The Construction Management program also provides opportunities to develop a strong background in computer applications in construction. Computer skills combined with a solid management and technical background are major assets of the construction management graduate.

Opportunities for construction management graduates are excellent. Examples of positions held by construction management graduates are project manager, construction manager, project administrator, estimator, scheduler, architectural representative, project superintendent, and construction administrator. Students should consider this challenging, satisfying, and high-paying profession.

Mission of Construction Management

The mission of the Construction Management Program is to develop character, build leaders, and sustain learning.

Educational Objectives of the Instructional Program

- Improve student success and graduation rates consistent with university initiatives
- Enhance smart growth of freshman and transfer student enrollment in the degree program consistent with available resources
- Enhance the quality of freshman and transfer students enrolled in the degree program
- Enhance academic advising for incoming freshman and transfer students
- Enhance opportunities for students to have diverse and experiential learning through involvement in high impact education practices
- Enhance student career assistance to increase placement of graduates in entry-level positions across construction industry sectors

Bachelor of Science Degree Requirements Construction Management Major

1. Major requirements (58 units) and additional requirements (28-29 units)

Major requirements (58 units)

Lower-division Major Requirements (14 units)
CM 1, 7S, 18, 20; GME 15 and 15L

Upper-division Major Requirements (35 units)
CM 105 or CE 20; CM 107, 107L, 110, 116, 122, 127, 160, 162, 164, 170, 180A, 180B, 181, 191T,
(Construction Safety Management), 193I

Construction Management Electives (9 units)

Construction Technology Electives (3 units)

Select one course from the following: CM 50, 98, 131, 132, 177, or 191T

Multidisciplinary Design/Build Electives (3 units)

Select one course from the following: CM 134 or CM 144

Construction Sector Electives (3 units)

Select one course from the following: CM 150 or 151

Additional requirements (28-29 units)

Construction Math and Science Pathways – Choose one pathway (15 - 16 units):

Pathway 1: MATH 75, MATH 76, PHYS 4A, and PHYS 4AL. Also choose from: PHYS 4B and PHYS 4BL; EES 1, CHEM 1A, or CHEM 3A.

OR

Pathway 2: MATH 75, PHYS 2A, and PHYS 2B. Also choose either: DS 73 or MATH 11

Business Courses (13 units):

ACCT 4A, BA 18, ECON 40 or 50, MGT 104

2. General Education requirements (49 units)*

3. Other requirements (3 units)

Upper-division writing and Multicultural and International (MI)

Construction management students are encouraged to take BA 104 or MKTG 100S to double-count toward the business minor and the MI requirement.

4. Sufficient elective units to meet required total units (varies)

5. Total minimum requirements (120 units)**

* This total indicates 13 units for PHYS 2A or PHYS 4A and 4AL [B1], MATH 75 [B4], ECON 40 or 50 [D3], and CM 180B [IB] are used to satisfy the General Education requirements. Additionally, construction management majors are exempt from G.E. third course in Area C and Area E.

** G.E. and MI courses can be double-counted with major requirements. The writing requirement may be met by taking the upper-division writing exam. See advisor for details.

Advising Notes

1. Courses in construction management, mathematics and the physical sciences taken CR/NC are not counted toward fulfillment of degree requirements in construction management.
2. The Upper-Division Writing Skills requirements can be met by passing the university examination or completing an upper-division writing course with a letter grade of C or better no sooner than the term in which 60 units of coursework are completed. The writing course units are not counted toward the minimum required 120 program units.
3. All construction management students must consult with their academic advisors at least once per academic year.
4. All students enrolled in construction management courses are required to follow the “DISCOVERe Mobile Device Requirements” as established by the Department of Construction Management. The current version of these requirements can be found on the department website: <http://www.fresnostate.edu/engineering/cm/documents/mobiledevice-requirements2019real.pdf>.

FACULTY

For faculty phone numbers and e-mail, see the campus directory.

For more on the faculty, see the faculty pages.

The faculty pages are updated by the department or program.