Construction Management, B.S.

DEPARTMENT

Department of Construction Management
Brad Hyatt, Chair
Engineering East Building, Room 192
559.278.6056
www.fresnostate.edu/engineering

BS in Construction Management, B.S.
MN in Construction Management, Minor
Courses Offered

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

• Provide students with the ability to recognize and independently diagnose construction related problems accurately, develop creative alternatives, and implement practical and effective solutions.
• Provide students with the ability to plan, schedule, and control work activities; motivate and provide accurate and timely constructive alternatives; and implement practical and effective solutions.
• Provide students with the ability to apply construction related techniques, skills, and tools to construction materials as necessary for a managed construction project.
• Provide students with the ability to understand technical issues related to the fields of architecture, engineering, business and construction accounting, and finance. Work effectively and efficiently with personnel from these disciplines to properly apply related fundamentals, techniques, and procedures.
• Provide students with the ability to apply basic construction related design theory within the areas of structural, mechanical, electrical, thermodynamics, civil, and soil mechanics.

REQUIREMENTS

Bachelor of Science Degree -
Construction Management Major Requirements

Program Description

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**Bachelor of Science Degree Requirements**

**Construction Management Major**

1. Major requirements (53 units) and additional requirements (23 units)

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

   **Upper-division Major Requirements (30 units)**
   - CM 105 or CE 20; CM 107, 107L, 110, 116, 122, 127, 160, 162, 164, 170, 180A(S), 193

   **Construction Management Electives (9 units)**
   - Construction Technology Electives (3 units)
     Select one course from the following: CM 131 or 191T
   - Construction Design Electives (3 units)
     Select one course from the following: CM 132, CM 144, or CE 130
   - Construction Sector Electives (3 units)
     Select one course from the following: CM 134, 150, 151, or 166

   **Additional requirements (23 units)**
   - MATH 76 or PHYS 2B; DS 73; ACCT 4A; BA 18; MGT 104; two business electives (see Business Electives below)

   - Business Electives (6 units)
     Select two upper-division business courses or courses approved by the academic advisor.
     Upper-division business courses may include: BA 101, 150, 151, 154, 176, 177; FIN 120, 121, 122, 128, 129, 131, 178, 180, 181, 182, 183, 185, 186; DS 123; IS 106, 130, 140, 150, 181, 186; ENTR 151, 153, 155, 161, 163, 165, 167, 169; MGT 106, 110, 124, 127, 131, 158; MKTG 100S, 101, 103, 110, 114, 115, 125, 132, 134, 140, 144, or 153.
     - Note: CM majors cannot take BA 174 to fulfill this requirement.

2. General Education requirements (49 units)*

   Select one course from each of the G.E. areas: Area A1, A2, A3, B2, C1, C2, D1, D2, and IC. (See G.E. listings). The following courses are required to satisfy both G.E. and major requirements: PHYS 2A or PHYS 4A and 4AL [B1], MATH 75 [B4], ECON 40 or 50 [D3], CM 180B [IB]

3. Other requirements (6 units)

   Upper-division writing and Multicultural and International (MI)

4. Sufficient elective units to meet required total units (varies)
5. Total (120 units)**

* Construction management majors are exempt from G.E. third course Area C, Area E, and Area ID.

** 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 mathematics and the physical sciences taken CR/NC are not counted toward fulfillment of degree requirements in construction.
2. If the upper-division writing skills requirement is not met by passing the university Upper-Division Writing Examination (0 units), students need to take a 3- to 4-unit W course (e.g., PLANT 110W or ENGL 160W) and pass with a grade of C or higher.
3. All construction management students must consult with their academic advisors at least once per academic year.

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.

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<thead>
<tr>
<th>Name</th>
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