Construction Management, Minor

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
Coursed 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

Construction Management, Minor Requirements

Students from interrelated disciplines will acquire professional and specialized construction knowledge and skills. Preparation for participation in the construction-related professions leads to careers in solving the infrastructure needs of society and the environment.

Required Core courses (15 units)
CM 7S, 18, 20, 110, 116

Additional elective courses (6 units)
The student will select additional construction courses in consultation with a faculty advisor. Emphasis may be placed upon a variety of specialization areas.

Potential elective groups include:
• Fundamentals of Construction Management: CM 1, 5, 15
• Building Construction: CM 150, one other upper-division CM elective
• Heavy Civil Construction: CM 151, one other upper-division CM elective
• Residential Construction: CM 144, one other upper-division CM elective

Total (21 units)

Note: The Construction Management Minor also requires a 2.0 GPA and 6 upper-division units in residence.

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.

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