

BS Const Mgmt

Bachelor of Science in Construction Management

Under Review | Fall 2024

Proposal Information

<div>Status</div> <div>Active</div>	<div>Workflow Status</div> <div>In Progress</div> <div>Faculty Senate Approval, Faculty Senate</div> <div>Waiting for Approval   Faculty Senate Approval</div> <div>Rick Holmes</div> <div>Nancy Middlebrook</div> <div>expand ▲</div>
	<div>Changes</div> <div><div>• Program Description</div><div>• Requirements</div><div>• Proposed Effective Term and Year</div><div>• Sponsoring faculty/staff member</div><div>• Sponsoring faculty/staff email</div></div> <div>Show All ▼</div>

Proposal Information

<div>Proposed</div> <div>Sponsoring faculty/staff member</div> <div>Susan Bogus</div>	<div>Proposed</div> <div>Sponsoring faculty/staff email</div> <div>sbogus@unm.edu</div>
<div>Existing</div> <div>Sponsoring faculty/staff member</div> <div>Jose Cerrato</div>	<div>Existing</div> <div>Sponsoring faculty/staff email</div> <div>jcerrato@unm.edu</div>
<div>College</div> <div>School of Engineering</div>	<div>Department</div> <div>Civil Engineering, Construction Engineering, and Construction Management</div> <div>Campus</div> <div>Main Campus</div>

Effective Term and Year

Proposed  
**Proposed Effective Term and Year**  
Fall 2024

Existing  
**Proposed Effective Term and Year**  
Fall 2023

## Justification

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Proposed  
**Program Justification**  
Department faculty reviewed and approved changes to the course requirements for this program.

Existing  
**Program Justification**  
To update wording for required ABET guidelines

## Program Category and Level

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Program Category	Program Level	Degree, Minor, or Certificate Name
Program	Undergraduate	Bachelor of Science in Construction Management

**Degree Type**  
Bachelor of Science

**Degree/Certificate Level**  
Undergraduate

Proposed  
**Is this program also offered online?**  
No

Existing  
**Is this program also offered online?**  
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## Associated Forms

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Select any associated course forms that exist

Select any associated program forms that exist

## Shared Credit and Dual Degree information

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### Interdepartmental Program

No

## Catalog Information

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Proposed

### Program Description

### Bachelor of Science in Construction Management

The Bachelor of Science in Construction Management (B.S.C.M.) program is accredited by the Applied and Natural Science Accreditation Commission of ABET, <https://www.abet.org>, under the General Criteria and the Construction Management Program Criteria. With the proper selection of management electives, students completing this program can earn a minor in Management from the Anderson School of Management. The **Program Educational Objectives** of the Construction Management program are:

1. Graduates will maintain high professional and ethical standards during their professional career.
2. Graduates will pursue professional credentials and/or participate in advanced study.
3. Graduates will pursue leadership positions in their communities and professions.

Existing

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### Admissions Requirements

## Graduation Requirements

### American Institute of Constructors (AIC) Exam

Construction Management Majors:

A requirement for the BS Construction Management degree is to take the American Institute of Constructors (AIC) Level 1 Exam prior to graduation. The name of the exam is the Associate Constructor Examination.

The Associate Constructor (AC) Exam is the first level of certification in the Constructor Certification Program. This level of certification is ideal for recent graduates of 4-Year Construction Management Programs. AC's are individuals that have a high level of skill and knowledge in managing the process of construction. Those earning the AC credential upon graduation of a construction program have a competitive advantage in a highly competitive job market.

## Professional Credential/Licensure Program Information

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Proposed

**License/Certification associated with program**

No

Existing

**License/Certification associated with program**

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## Degree Information

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**Degree Hours**

123

**Minimum Major Hours**

### Professional Accrediting Bodies

The Bachelor of Science in Construction Management (B.S.C.M.) program is accredited by the Applied and Natural Science Accreditation Commission of ABET

## Degree Requirements

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## Requirements

- Complete all of the following
  - Complete the following:
    - CE130 - Construction Detailing (3)
    - GEOL1110 - Physical Geology (3)
    - GEOL1110L - Physical Geology Lab (1)
    - MATH1230 - Trigonometry (3)
    - BCIS1110 - Fundamentals of Information Literacy and Systems (3)
    - CE160L - Civil Engineering Design (3)
    - CE171 - Construction Materials and Techniques (3)
    - ENGL1120 - Composition II (3)
    - MATH1430 - Applications of Calculus I (3)
    - CE376 - Cost Estimating (3)
    - CHEM1215 - General Chemistry I for STEM Majors (3)
    - CHEM1215L - General Chemistry I for STEM Majors Laboratory (1)
    - MATH1350 - Introduction to Statistics (3)
    - PHYS1230 - Algebra-Based Physics I (3)
    - CE283 - Surveying and Geomatics (3)
    - ACCT2120 - Principles of Accounting II (3)
    - ECON2120 - Microeconomic Principles (3)
    - CE370 - Construction Methods and Equipment (3)
    - MGMT310 - Legal Issues for Managers (3)
    - CE305 - Infrastructure Materials Science (4)
    - CE452 - Building Information Modelling (3)
    - CE474 - Principles of Written Construction Documents (3)
    - CE477 - Project Controls (3)
    - CE455 - Engineering Project Management (3)
    - CE473 - Construction Law (3)
    - CE475 - Construction Safety (3)
    - CE497L - Design Construction Integration (3)
    - CE377 - Construction Scheduling (3)
    - ACCT2110 - Principles of Accounting I (3)
    - CE350 - Engineering Economy (3)
    - CE371 - Structures for Construction (3)
    - CE478 - Temporary Structures in Construction (3)
    - ENGL2210 - Professional and Technical Communication (3)
    - **ARCH233 - Sustainability I (3)**
  - Earn at least 6 credits from the following types of courses:  
Department approved management electives.
  - Earn at least 3 credits from the following types of courses:  
Department approved construction electives.
  - Complete at least 1 of the following:
    - COMM1130 - Public Speaking (3)
    - COMM1150 - Introduction to Mass Communication (3)
    - COMM2120 - Interpersonal Communication (3)
    - COMM2140 - Small Group Communication (3)
  - ~~Earn at least 3 credits from the following:~~
    - ~~CE291 - Lower Division Special Topics in Civil Engineering (1-3)~~
  - Complete at least 1 of the following:

- ENGL1110 - Composition I (3)
- ENGL1110Y - Composition I: Stretch II (3)
- ENGL1110Z - Enhanced Composition (4)
- Earn at least 9 credits from the following types of courses:  
In addition to the program-specific requirements outlined here, all undergraduate students are required to fulfill UNM's General Education Program requirements and other general undergraduate degree requirements to earn a minimum of 120 credits. In some instances, courses included in an undergraduate degree program's requirement may also fulfill a General Education requirement. Please review the General Education Program in this Catalog for General Education information.
- Students must take the American Institute of Constructors (AIC) exam prior to graduation.

**Grand Total Credits: 123 - 124**

## Concentrations

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### Program Concentrations

**Code**

**Title**

### Concentration Required

No

## Emphases

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### Emphasis required

N/A

### Emphasis Hours

### Emphasis Rules

No Rules

## Sample Degree Plan

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Proposed

### Sample Degree Plan Upload

- 21\_BSCM Curriculum Sheet 5-27-21 - Copy (2).xlsx

Existing

### Sample Degree Plan Upload

- 21\_BSCM Curriculum Sheet 5-27-21 - Copy (2).xlsx

# Program Learning Outcomes

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## Learning Outcomes

1. Create written communication appropriate to the construction discipline.
2. Create oral presentations appropriate to the construction discipline.
3. Create a construction project safety plan.
4. Create construction project cost estimates.
5. Create construction project schedules.
6. Analyze professional decisions based on ethical principles.