



BS DEGREE – CODE #1761

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Do you dream of a leadership role in the construction industry? Then this program is for you. Our expert faculty have designed a series of courses that will familiarize you with all aspects of construction management. Technical course work is combined with specific construction management courses as well as several business courses, giving you a broad-based education.

ADVANTAGES

- Alfred State students compete annually in the Associated Schools of Construction Northeast Region student competition.
- Students can compete for scholarships given by the Associated General Contractors of New York.
- Seniors in the BS program are required to take the Associate Constructor Level I exam prior to graduation.
- This program is accredited by the American Council for Construction Education (ACCE), [1717 North Loop Road 1604 East, Suite 320, San Antonio, TX 78232].
- This program is accredited by the Applied and Natural Science Accreditation Commission of ABET, www.abet.org
- Students typically gain work experience through summer employment with construction companies.

PROGRAM EDUCATIONAL OBJECTIVES

Program educational objectives were established with the assistance of the Industrial Advisory Committee and are reviewed periodically. The construction management program produces graduates who:

- Understand technical components and techniques of construction.
- Write, read, and orally present information standard to the construction industry.
- Understand methods and tools to manage both a construction project and construction company.
- Understand safety and risk management.
- Understand industry ethics and statutory requirements.

OCCUPATIONAL OPPORTUNITIES

- Project manager
- Project engineer
- Estimator
- Project scheduler
- Planner
- Construction supervisor
- Plant manager
- Construction equipment sales
- Materials sales
- Facilities management

EMPLOYMENT STATISTICS

Employment and continuing education rate of 100 percent – 100 percent are employed.

ENROLLMENT AND GRADUATION DATA

	Enrollment (based on fall census)
2021	69
2020	81
2019	67
	Degrees Awarded
2018-2019	31
2019-2020	21
2020-2021	28

RELATED PROGRAMS

- [Architectural Technology](#)
- [Building Trades: Building Construction](#)
- [Construction Engineering Technology](#)
- [Construction Supervision](#)

ENTRANCE REQUIREMENTS/RECOMMENDATIONS

Required: Algebra, Geometry, Algebra 2

Recommended: Physics

OFFICE OF ACCESSIBILITY SERVICES

Students who believe they need a reasonable accommodation to properly participate in this program may contact Melanie Ryan in the Office of Accessibility Services. This office may be contacted by email at oas@alfredstate.edu or by phone at 607-587-4506. Please keep in mind that some accommodations may take time to implement, so students seeking accommodations are encouraged to contact OAS as early as possible.

TECHNICAL STANDARDS

Students in the construction management program must meet the following requirements:

- Students must have the ability to use industry standard software and computers.
- Students must have the ability to traverse varying types of construction sites.

REQUIRED EQUIPMENT

A tier 2 laptop computer is required for students entering the construction management program. Laptop specifications are available at www.alfredstate.edu/required-laptops.

CONSTRUCTION MANAGEMENT - BS DEGREE

TYPICAL EIGHT-SEMESTER PROGRAM

First			
COMP	1503	Freshman Composition	3
CIVL	1011	Civil AutoCAD	1
CIVL	1204	Surveying I	4
CIVL	1013	Portland Cement Concrete	3
CIVL	1182	Civil Tech Graphics	2
MATH	1033	College Algebra	3
			16
Second			
CIVL	2154	Quality Control of Const Matl	4
PHYS	1024	General Physics I	4
MATH	2043	College Trigonometry	3
GLST	2113	Global Perspectives:Spcl Topic	3
			14
Third			
CIVL	3553	Comm Bldg Const Methods & Prac	3
CIVL	4103	Structures I	3
PHYS	2023	General Physics II	3
MATH	1063	Technical Calculus I	3
LITR	xxx3	Literature Elective	3
			15
Fourth			
CIVL	4143	Contracts, Specs, & Estimating	3
CIVL	4043	Construction Management	3
CIVL	7103	Land Development & Design	3
XXXX	xxx3	OR Approved Technical Elective	3
SPCH	1083	Effective Speaking	3
SPCH	xxx3	OR Effective Speaking Equivalent	3
XXXX	xxx3	Gen Ed Elective	3
			15

Fifth			
CIVL	6113	Environmental Tech Concepts	3
ECON	1013	Principles of Macroeconomics	3
COMP	5703	Technical Writing II	3
CIVL	7213	Construction Systems	3
XXXX	xxx3	Gen Ed Elective	3
			15

Sixth			
CHEM	5013	Applied Chemical Principles	3
CIVL	6214	Advanced Estimating	4
CIVL	6212	Construction Safety	2
ACCT	5043	Accounting Perspectives	3
XXXX	xxx3	Gen Ed Elective	3
CIVL	6123	Mechanical Systems	3
			18

Seventh			
MATH	1123	Statistics I	3
CIVL	7223	Construction Project Planning	3
MATH	7113	Economic Analy for Engr Tech	3
TMGT	7153	Principles of Management	3
XXXX	xxx3	Gen Ed Elective	3
			15

Eighth			
BUAD	xxx3	Bus. Elective - Upper	3
CIVL	5213	Reinforced Concrete	3
CIVL	8123	Construction Project Admin	3
BUAD	3043	Business Law I	3
XXXX	xxx3	Gen Ed Elective - Upper	3
ECON	2023	Principles of Microeconomics	3
			18

GENERAL NOTES:

Students receiving credit for math classes shown in the typical eight-semester program may require additional LAS electives to complete degree requirements.

Must meet seven of the 10 General Education areas.

GRADUATION REQUIREMENTS

2.0 cumulative grade point average, and department requirement of 2.0 grade point average in major courses (CIVL).