



#### BTech DEGREE – CODE #2649

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The Bachelor of Technology (BTech) in construction supervision is a completion degree that will add valuable construction business skills to a technical background. Students with carpentry, heavy equipment, electrical, mechanical, and architecture skills, to name a few, will be able to see how their skills are utilized to build the environment in which they live. The BTech in construction supervision will give graduates a working knowledge of construction estimating, scheduling, and contract law. These skills along with their technical competency will make graduates a prized asset to companies that are involved in the construction industry. The program includes a full-semester internship.

The program is set up as a completion degree, meaning students entering must have an associate degree or 60 credits in a related curriculum. A true 2+2 can be achieved with 21 credits of liberal arts and sciences, including five silos of SUNY General Education completed before entering the program.

#### ADVANTAGES

- Students take their distinct technical background and apply it in the construction industry through project-based learning.
- With a cohort of students from many different fields of prior study, students will gain an interdisciplinary appreciation of the construction industry.
- Students will gain a strong background in construction contractual requirements.
- Students will expand their understanding of construction job site cost control.

#### OCCUPATIONAL OPPORTUNITIES

- Assistant superintendent
- Equipment and material sales
- Project manager for specialty trade contractors
- Superintendent

#### EMPLOYMENT STATISTICS

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

#### ARTICULATION

Alfred State accepts students from other two-year institutions as juniors into the construction supervision BTech program with appropriate course work and grade point average.

#### GRADUATION REQUIREMENTS

- 2.0 cumulative GPA and 2.0 in major courses (CIVL)
- 30 credits liberal arts and sciences
- Seven of 10 General Education silos with math silo required

#### RELATED PROGRAMS

- Architectural Technology
- Building Trades: Building Construction

- Construction Management
- Electrical Engineering Technology
- Heavy Equipment Operations
- Mechanical Engineering Technology

#### ENTRANCE REQUIREMENTS/RECOMMENDATIONS

- **Required:** Successful completion of an associate degree in a construction-related field or at least 60 transferrable credit hours, and a minimum cumulative GPA of 2.0. Other majors can be considered with construction related work experience. Applicants who have gone through a certified apprentice program and have obtained a journeyman's card with a recognized trade union may also be considered.
- **Recommended:** A minimum of 21 credits in liberal arts and sciences, and five different general education fields covered (BC and MA included).
- Students without the required college credits can come into the individual studies (AS) program as a bridge program to the construction supervision (BTech) program.
- **Please Note:** Students entering from an AOS degree program are accepted in the program as ASOP students to facilitate completion of the five bridge courses (15 credits) in Liberal Arts and Sciences/General Education. The Civil Engineering Technology Department chair or curriculum coordinator will review all college credits earned and will recommend specific courses to complete this bridge.

#### 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](mailto: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 supervision 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 will be required of all students. See laptop specifications at [www.alfredstate.edu/required-laptops](http://www.alfredstate.edu/required-laptops).

**CONSTRUCTION SUPERVISION – BTECH**

## TYPICAL FIVE- THROUGH EIGHT-SEMESTER PROGRAM

<b>Fifth</b>			
ECON	1013	Principles of Macroeconomics	3
		OR	
ECON	2023	Principles of Microeconomics	3
COMP	5703	Technical Writing II	3
TMGT	7153	Principles of Management	3
CIVL	3053	Construction Methods & Practic	3
		OR	
CIVL	3553	Comm Bldg Const Methods & Prac	3
CIVL	7503	Construction Supervision	3
			15
<b>Sixth</b>			
CIVL	6154	Supervisory Estimating	4
CIVL	6212	Construction Safety	2
ACCT	5043	Accounting Perspectives	3
XXXX	xxx3	Business Electives - Upper	3
XXXX	xxx3	Tech./Business Elective	3
SPCH	1083	Effective Speaking	3
		OR	
SPCH	xxx3	Effective Speaking or Equiv.	3
			18
<b>Seventh</b>			
XXXX	xxx3	Gen. Ed./LAS Elective	3
		OR	
GLST	2113	Global Perspectives:Spcl Topic	3
CIVL	7523	Construction Scheduling	3
BUAD	3043	Business Law I	3
XXXX	xxx3	Business Elective - Upper	3
CIVL	8023	Construction Jobsite Admin.	3
			15
<b>Eighth</b>			
CIVL	8512	Construction Mgmt Internship	12
XXXX	xxx3	Business Elective - Upper	3
			15

Be advised that a prior felony conviction may impede a student's ability to participate in an internship.