



AOS DEGREE – CODE #0401

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Each year, more and more students and employers have asked for additional instruction and skills-based training in masonry beyond what is provided by the building construction program. Our masonry program was designed with these desires in mind. It will provide you with extensive instruction after completing the common first-year building construction curricula.

DIRECT ENTRY INTO BACCALAUREATE DEGREE PROGRAM

Alfred State masonry graduates may enter directly into the construction supervision BTech or technology management BBA degree program. Graduates who have credit for freshman composition, statistics, literature, history, and speech may complete the baccalaureate program in two additional years; others may complete the BBA program in two-and-one-half years.

OCCUPATIONAL OPPORTUNITIES

- Brick or stone salesman
- Kiln mason
- Construction foreman
- Estimator
- Salesperson
- Private or commercial remodeler
- Maintenance supervisor
- Construction superintendent
- Concrete foreman
- Expediter
- Contractor
- Mason

EMPLOYMENT STATISTICS

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

RELATED PROGRAMS

[Heating, Ventilation, and Air Conditioning](#)
[Building Trades: Building Construction](#)
[Electrical Construction and Maintenance Electrician](#)

REQUIRED TOOLS/EQUIPMENT

A list of required tools, equipment, PPE, etc. for all of the programs mentioned above can be found at <http://www.alfredstate.edu/tool-lists>.

A tier 1 laptop computer is required for students entering this degree program. Laptop specifications are available at www.alfredstate.edu/required-laptops.

ENTRANCE REQUIREMENTS/RECOMMENDATIONS

Recommended: Algebra and Geometry

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

Applicants in the masonry program must be able to meet the following physical requirements:

- Must be able to lift 50 pounds to shoulder height.
- Must be able to perform safely in the laboratory.
- Must be able to effectively communicate with a person 20 feet away.
- Must be able to climb a ladder and/or able to climb, unaided, onto and off equipment using three points of contact.
- Must be able to safely respond to a backup warning alarm.

MASONRY - AOS DEGREE

TYPICAL FOUR-SEMESTER PROGRAM

First			
BLCT	1202	Portable Tools & Fastening Sys	2
BLCT	1002	Intro to Construction Safety	2
BLCT	1212	Foundation Systems & Layout	2
BLCT	1222	Construction Math	2
BLCT	1232	Framing I	2
BLCT	1242	Framing II	2
BLCT	1206	Building Construction Lab I	6
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Second			
BLCT	2202	Insulation and Drywall	2
BLCT	2212	Exterior Building Envelope	2
BLCT	2232	Siding and Cornices	2
BLCT	2242	Wood Products & Fabrication	2
BLCT	2252	Intro to Print Reading & Estim	2
BLCT	2262	Masonry	2
BLCT	2206	Building Construction Lab II	6
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Third			
BLCT	3702	Residential Foundations	2
BLCT	3712	Building Stone	2
BLCT	3722	Fireplace & Hearth Oven Design	2
BLCT	3732	Masonry Restoration	2
BLCT	3742	Sustainability w/ Masonry Const	2
BLCT	3752	All Weather Masonry	2
BLCT	3706	Masonry Construction Lab III	6
			18
Fourth			
BLCT	4502	ACI Concrete Testing	2
BLCT	4512	Masonry Stairs & Ramps	2
BLCT	4522	Hardscaping with Masonry	2
BLCT	4532	Print Reading for Masonry	2
BLCT	4542	Masonry Sketching & Detailing	2
BLCT	4552	Business Planning Masonry/Conc	2
BLCT	4506	Masonry Construction Lab IV	6
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GRADUATION REQUIREMENTS

A student must successfully complete all courses in the prescribed four-semester program and earn a minimum cumulative index of 2.0, which is equivalent to a "C" average.