



**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 B.Tech 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](http://www.alfredstate.edu/required-laptops).

**ENTRANCE REQUIREMENTS/RECOMMENDATIONS**

Recommended: Algebra and Geometry

**TECHNICAL STANDARDS**

It is crucial that all student applicants in this degree program must be able to meet the following requirements, with or without reasonable accommodation. Students who are enrolled in this degree program should have the physical

capabilities to be able to engage in all training, field, and laboratory environments in a safe and ethical manner. Students must be able to:

- Lift and carry up to or 50 pounds of building materials/equipment without accommodations.
- Perform and function in a safe manner in all laboratory and classroom environments and off campus job site locations.
- Effectively communicate with classmates and instructional staff using appropriate visual and/or auditory communication from a distance of 20 feet.
- Physically setup, move, or climb ladders, scaffolding, etc., unaided, using the designated safety method.
- Identify and react to safety alarms which include, but not limited to, fire alarms, back up alarms and those meant for emergencies.

**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.

**MASONRY - AOS DEGREE**

TYPICAL FOUR-SEMESTER PROGRAM

<b>First</b>			
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
			18
<b>Second</b>			
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
			18
<b>Third</b>			
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
<b>Fourth</b>			
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 grade point average of 2.0 in major courses.