



**AOS DEGREE – CODE #0401**

Stephen Richard, Program Coordinator  
Email address: [richarsb@alfredstate.edu](mailto:richarsb@alfredstate.edu)

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 – 71 percent are employed; 29 percent continued their education.

**RELATED PROGRAMS**

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

**ENTRANCE REQUIREMENTS/RECOMMENDATIONS**

Recommended: Algebra

**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 communicate orally 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 stand for long periods of time.
- Must be able to visually read from a blueprint or drawing.
- Must be able to hear a backup warning alarm.

**MASONRY - AOS DEGREE**

TYPICAL FOUR-SEMESTER PROGRAM

<b>First</b>			
BLCT	1202	Portable Tools & Fastening Sys	2
BLCT	4212	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

<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

<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

<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

**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.