



**AAS DEGREE - CODE #0538**

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The AAS architectural technology program is structured to provide students with knowledge and skills for entry-level positions in the architectural office and related disciplines. The program consists of a core graphics sequence with additional courses in appropriate technical areas. Digital tools are integrated throughout the four-semester program.

All architecture degree programs share course work across the first two years, while the BS and BArch have some shared course work in the third and fourth years. This alignment demands that the AAS and BS in architectural technology are required to meet the same NAAB "Student Criteria" and "Program Criteria" that apply to the BArch program. The BArch program is the first and only fully accredited undergraduate professional architecture degree program in the SUNY system.

**ADVANTAGES**

- Students gain an understanding of how design solutions affect and are impacted by construction systems, mechanical, electrical and plumbing systems, structures, building methods, and materials.
- Broad exposure gives students the ability to be conversant with and/or seek employment with all related professions within the architectural field.
- The degree may be accepted for credit toward professional licensure in New York State.

**DIRECT ENTRY INTO BACCALAUREATE DEGREE PROGRAMS**

Alfred State architectural technology AAS graduates may enter directly into either the architectural technology BS or the architecture BArch programs (portfolio review may be required). AAS students who elect to apply for internal transfer to BS or BArch programs need to have completed either MATH 2043 (College Trigonometry) or MATH 1054 (Precalculus). Architectural technology AAS graduates may also enter directly into the construction supervision BTech, the interdisciplinary studies BArch, or the technology management BBA degree program.

**CONTINUING EDUCATION OPPORTUNITIES**

Graduates may enter the workforce or may continue in Alfred State's architectural technology BS or BArch programs. Graduates may also transfer to professional or pre-professional degree programs at other institutions. Transfer is contingent on program and institution.

**CAREER OPPORTUNITIES**

- Architectural technician
- Architectural drafter
- Product detailer
- Space planner
- Estimator
- Manufacturer's sales representative

**EMPLOYMENT STATISTICS**

Employment and continuing education rate of 100 percent – 33 percent are employed; 67 percent continued their education.

**RELATED PROGRAMS**

[Construction Engineering Technology](#)

**Interior Design**

**ENTRANCE REQUIREMENTS/RECOMMENDATIONS**

Required: Algebra, Geometry, Algebra 2

Recommended: Physics

**REQUIRED COURSE PREREQUISITES**

If students do not place into MATH 1033 College Algebra, MATH 1084 Calculus I, MATH 1323 Quantitative Reasoning, 1034 College Algebra of Functions, 1054 Precalculus, or 2124 Statistical Methods & Analysis, then MATH 1014 Algebra Concepts is a required prerequisite for completion of the major.

If students do not place into PHYS 1024 General Physics I or PHYS 1044 College Physics I, then PHYS 1014 Introductory Physics is a required prerequisite for completion of this major.

**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.

**TYPICAL PROGRAM**

In the first and second years, a typical day consists of two one-hour lectures and a two-hour studio. Students can expect to spend additional time working on projects and course work out of studio.

**GENERAL NOTES:**

Students must complete at least one course from each of five SUNY General Education knowledge areas.

Entry level of student into math and composition/literature sequences is a function of student's high school preparation and mathematics and English placement examinations.

Math through Technical Calculus I must be completed. Students who start at a higher level in math must meet all SUNY general education and campus liberal arts and sciences course credit requirements for graduation.

A minimum grade of "C" is required in the following courses to continue from one studio course to the next and to meet graduation requirements: ARCH 1184, ARCH 2394, DSGN 2204, and DSGN 2304.

If entry-level math requirement is met, take LAS elective to complete degree requirements of 3 credits, otherwise take free elective.

**GRADUATION REQUIREMENTS**

A student must successfully complete all courses in the prescribed program and earn a minimum cumulative index of 2.0.

**REQUIRED EQUIPMENT**

All students in both the architecture and interior design programs are required to purchase a computer in addition to other equipment. Typically the costs of these purchases can be covered using financial aid. Please consult a financial aid counselor for further details. A tier 3 laptop computer is required, and a tier 4 laptop computer is recommended, for students entering this degree program. Laptop specifications are available at [www.alfredstate.edu/required-laptops](http://www.alfredstate.edu/required-laptops).

**ARCHITECTURAL TECHNOLOGY - AAS DEGREE**

TYPICAL FOUR-SEMESTER PROGRAM

<b>First</b>			
ARCH	1184	Design Fundamentals 1	4
GLST	2113	Global & Diverse Perspectives	3
FNAT	1303	Architectural History I	3
MATH	1034	College Algebra of Functions	4
XXXX	xxx3	Open Elective	3
			17
<b>Second</b>			
ARCH	2394	Design Fundamentals 2	4
ARCH	2014	Computer Visualization	4
COMP	1503	Writing Studies	3
MATH	2043	College Trigonometry	3
PHYS	1024	General Physics I	4
			18
<b>Third</b>			
ARCH	3104	Design Studio 1	4
ARCH	3014	Construction Technology 1	4
ARCH	3003	Environmental Controls 1	3
MATH	1063	Technical Calculus I	3
XXXX	xxx3	Gen Ed Elective/LAS	3
			17
<b>Fourth</b>			
ARCH	4304	Design Studio 2	4
ARCH	4014	Construction Technology 2	4
CIVL	4103	Structures I	3
ARCH	4013	Municipal Codes & Regulations	3
SPCH	1083	Public Speaking OR	3
SPCH	xxx3	Effective Speaking Equivalent	3
			17

Be advised that a prior felony conviction may impede a student's ability to participate in an internship and/or pursue licensure.