BS DEGREE - CODE #1452

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Our four-year Bachelor of Science in architectural technology program is designed to provide students with a comprehensive architectural education. While the two-year AAS degree in architectural technology offers a broad range of skills, the four-year program continues the course of study by combining a holistic perspective of the built environment with an applied technical knowledge of construction systems and materials acquired throughout a four-year studio sequence.

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

- Broad exposure gives students the ability to be conversant with and/or seek employment within the architectural field, and also in related professions that engage the built environment.
- The degree may be accepted for credit toward professional licensure in New York State.
- Alfred State offers multiple study abroad options through our signature 12-week semester study abroad program (offered in conjunction with Sant'Anna Institute in Sorrento, Italy) and other programs offered in conjunction with SUNY partners. To learn more, see www.alfredstate.edu/study-abroad.

CONTINUING EDUCATION OPPORTUNITIES

Graduates wishing to continue their education may choose to apply to master's programs in architecture or related disciplines. The lengths of such programs vary and depend on institutional requirements.

CAREER OPPORTUNITIES

- Architectural designer
- Registered Architect
- 3D modeler/animator
- Building Information Modeling (BIM) manager
- Specifications writer
- Code enforcement official

EMPLOYMENT STATISTICS

Employment and continuing education rate of 91 percent – 83 percent are employed; 8 percent continued their education.

RELATED PROGRAMS

Construction Management

ENTRANCE REQUIREMENTS/RECOMMENDATIONS

Required: Algebra, Geometry, Algebra 2

Recommended: Pre-calculus, 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 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.

TRANSFER STUDENTS

Before studio placement within the BS architectural technology program, applicants from schools or programs with which Alfred State College does not have an active articulation agreement must submit a comprehensive academic portfolio for review. This portfolio will include examples of student work, course syllabi, assignments, and grade reports and will be evaluated along with the student's overall grade point average and studio course grades.

Alfred State has active articulation agreements with the following institutions: SUNY Delhi, Dutchess CC, Erie CC, Finger Lakes CC, Hudson Valley CC, SUNY Morrisville, Onondaga CC, and Orange County CC.

TYPICAL PROGRAM

In the first and second years, a typical day consists of two one-hour lectures and a two-hour studio. At the third-year and fourth-year levels, the studio meeting times are three hours. Students can expect to spend additional time working on projects and course work out of studio.

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.

GENERAL NOTES:

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 of math must meet SUNY general education and campus liberal arts and sciences course credit requirements for graduation.

If entry-level math requirement is met, take LAS elective to complete degree requirements of 3 or 4 credits, otherwise take free elective.

Students must complete at least one course from seven of the 10 SUNY General Education knowledge areas.

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, ARCH 3014, ARCH 4104, ARCH 5306, ARCH 6306, ARCH 7306, and ARCH 8306.

GRADUATION REQUIREMENTS

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

ARCHITECTURAL TECHNOLOGY - BS DEGREE

TYPICAL EIGHT-SEMESTER PROGRAM

First

ARCH	1184	Design Fundamentals 1	4
GLST	2113	Global & Diverse Perspectives	3
MATH	1034	College Algebra of Functions	4
FNAT	1303	Architectural History I	3
XXXX	xxx3	Open Elective	3
			17

Second

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

Third

ARCH	3104	Design Studio 1	4
ARCH	3014	Construction Technology 1	4
XXXX	xxx3	Gen. Ed./LAS Elective (Based on Semester 1 Math)	3
ARCH	3003	Environmental Controls 1	3
MATH	1063	Technical Calculus I	3
			17

Fourth

ARCH	4014	Construction Technology 2	4
ARCH	4013	Municipal Codes & Regulations	3
ARCH	4304	Design Studio 2	4
CIVL	4103	Structures I	3
SPCH	1083	Public Speaking OR	3
SPCH	xxx3	Effective Speaking Equivalent	3
			17

Fifth

ARCH	5306	Design Studio 3	6
FNAT	5303	Architectural History II	3
XXXX	xxx3	Gen. Ed./LAS Elective - Upper	3
XXXX	xxx3	Gen. Ed./LAS Elective	3
			15

Sixth

ARCH	6306	Design Studio 4	6
CIVL	5213	Reinforced Concrete	3
XXXX	xxx3	Gen. Ed./LAS Elective	3
XXXX	xxx4	Gen. Ed./LAS Elective	4
			16

Seventh

ARCH	7003	Environmental Controls 2	3
ARCH	7306	Design Studio 5	6
XXXX	xxx3	Gen. Ed./LAS Elective - Upper	3
XXXX	xxx3	Gen. Ed./LAS Elective - Upper	3
XXXX	xxx3	Gen. Ed./LAS Elective	3
			18

Eighth

ARCH	8003	Professional Practice	3
ARCH	8306	Design Studio 6	6
XXXX	xxx3	Gen. Ed./LAS Elective	3
XXXX	xxx3	Gen. Ed./LAS Elective	3
			15

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