

Architectural Technology • Associate in Applied Science

Why Choose Architectural Technology?

The two-year Architectural Technology curriculum provides a comprehensive foundation of technical abilities, understanding or awareness involving all aspects of the architectural profession. Specifically the curriculum is designed with an emphasis on visual communication, building materials, building systems and the development of architectural graphic techniques involved in the production of architectural working drawings.

Under the guidance of the faculty of professional, licensed architects, the program mission is to prepare students to:

- Enter the employment market at an entry-level position in architecture or professions related to the built environment.
- Continue education for a baccalaureate degree in professions related to the built environment.

Taught by practitioners, the architectural technology curriculum is unique in its emphasis on the practice of the profession. Studio classes provide students with experience in the areas of residential and commercial building materials, cost estimating, architectural CAD drafting, construction methods, building codes, presentation techniques and architectural design. The curriculum provides skills, knowledge, and the preparation necessary to allow students to become successful architectural technicians and success in further educational opportunities after graduation.

Upon completion of this associate degree, graduates may continue their education at Ferris and enroll in the upper-division sequence leading to the B.S. in Facility Management or Construction Management. (Further preparation may be required for entry into the Construction Management program).

Get a Great Job

The ongoing expansion and specialization in technological applications of building systems and environmental issues, as well as the growth in architectural services, has greatly increased the need for skilled architectural technicians to function in a support role with architects and other professionals related to the built environment.

A beginning technician works closely with a team to produce design development drawings, construction documents and specifications. With experience, the architectural technician becomes involved in other phases of work such as project field observation, preparation of written specifications, building code analysis, CAD three-dimensional modeling and rendering, and presentation of designs.

There is no geographic limitation on employment opportunities, and advancement in the profession depends on the development of technical expertise.

Entry-level salaries range from \$28,000-\$35,000. Average salaries with 10 years of experience range from \$38,000-\$50,000. (Source: US Department of Labor, 2004)

Admission Requirements

Admission to the College of Technology is open to high school graduates who demonstrate academic preparedness, maturity and seriousness of purpose with backgrounds appropriate to their chosen program of studies. Among first-time students in our technical programs, the average high school GPA is 2.8, and the average ACT composite score is 20.

Students entering the Architectural Technology program must have a high school diploma with a minimum 2.0 GPA or equivalent, a minimum ACT math subscore of 19 and MATH 116 placement, and an ACT reading subscore of 17.

Graduation Requirements

The Architectural Technology program at Ferris leads to an associate in applied science degree. Graduation requires a minimum 2.0 GPA in core classes, in the major and overall. Students must complete all general education requirements as outlined on the General Education website.

Required Courses

Credit Hours

General Education		
ENGL 150	English 1	3
ENGL 250	English 2	3
MATH 116	Intermediate Algebra-Num Trig	4
PHYS 211	Introductory Physics 1	4
SOCY 121	Introductory Sociology	3
Choose one:		
COMM 105	Interpersonal Communication	3
COMM 121	Fundamentals-Public Speaking	3
Major		
ARCH 101	Architectural Graphics	3
ARCH 102	ARCH Construction Documents 1	4
ARCH 109	Intro Computer Graphics-ARCH 1	3
ARCH 112	Structure Material-System-Code	4
ARCH 115	Interior Exterior Finishes-Sys	3
ARCH 203	ARCH Construction Detailing	4
ARCH 204	ARCH Construction Documents 2	4
ARCH 216	Professional Practice	2
ARCH 223	Statics and Structures	3
ARCH 241	Design Fundamentals	3
ARCH 244	History Dev of Western ARCH	3
ARCH 250	Systems Cost Estimating	3
HVAC 337	Mech-Elec Systems for Building	3
Choose three credits from below:		
ARCH 270	CAD Modeling-Rendering in ARCH	2
ARCH 285	House - An American Evolution	2
FMAN 321	Principles of Facility Mgmt	3
CONM 122	Const Surveying-Layout	3
CONM 212	Soils and Foundations	3
CONM 222	Construction Administration	3
Minimum credit hours required for A.A.S. degree:		66
FMAN 321 is applicable for students laddering into Facility Management.		
CONM 122, CONM 212 and CONM 222 are applicable for students laddering into Construction Management.		



More Information

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FERRIS STATE UNIVERSITY

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