

Associate in Science Degree: Architectural Drafting and Technology

The Architectural Drafting program is designed to prepare students for careers in industry as drafters or related occupations, and/or transfer to a four or five-year Architecture program. Architectural Drafting technicians are in short supply, affording many employment opportunities for qualified individuals. The program provides students with entry-level skills and knowledge in the fields of computer and architectural drafting including techniques such as clarity, line weight expression and accuracy. Competencies include knowledge and skills for preparing CAD/BIM generated 2-D drawings and 3-D models, current practices in construction technology, and fundamental architectural design and space planning skills. Students should consult with the department chair and a counselor when planning to complete the degree for more information on university admissions and transfer requirements.

Degree Student Learning Outcome:

Students will be able to demonstrate proficiency in the core knowledge and skills required for employment in architectural computer aided drafting

Program Requirements:

Units Required: 36

	Units:
ARCHT-110 Architectural Drafting	3.0
ARCHT-120 Design I - Elements of Architectural Design	3.0
ARCHT-140 Materials and Methods of Construction	3.0
ARCHT-160 2-D CAD for Architecture and Interior Design	3.0
ARCHT-180 Codes and Zoning Regulations	3.0
ARCHT-190 Design II - Space Planning	3.0
ARCHT-200A Sustainable Development and Environmental Design	3.0

Plus fifteen units from the following:

ARCHT-114 Architecture and Interiors History: Antiquity - Classical Revival	3.0
ARCHT-115 Architecture and Interiors History: Classical Revival - Post Modern	3.0
ARCHT-200B Design III - Environmental Design Lab	3.0
ARCHT-220 Advanced 2-D CAD for Architecture and Interior Design	3.0
ARCHT-230 Structures I	3.0
ARCHT-240 Architectural Design Portfolio	3.0
ARCHT-270 Introduction To Building Information Modeling (BIM)	3.0
ARCHT-280 Design IV – Advanced Design	3.0
ARCHT-290 Advanced Building Information Modeling (BIM)	3.0

Recommended electives:

ARCHT-084 Digital Illustration for Architecture and Interior Design	2.0
ARCHT-100 Careers in Architecture, Interior Design and Related Fields	1.0
ARCHT-260 3-D CAD for Modeling/Animation	3.0
ID-102 Applied Color for Designers	3.0
ID-104 Rapid Visualization and Perspective Illustration	3.0
ARCHT-207 Residential Design	3.0