Architectural Design Technology, Undergraduate Certificate

Visit the Architecture and Engineering Design Department page (https://www.uvu.edu/aed/) for more information on the program and access to advising.

Program Description

The Undergraduate Certificate in Architectural Design Technology applies the technical and functional elements of residential and commercial architectural design. Students will take courses in the fundamentals of drafting and design, two-dimensional and three-dimensional software/Building Information Modeling (BIM) packages, architectural rendering, residential design and construction, and commercial design and construction.

Program Requirements

Code	Title	Credit Hours
Total Credit Hours		**18**
Discipline Core Requirements		**18 Credits**
EGDT 1020	3D Architectural Modeling	3
EGDT 1040	Fundamentals of Technical Engineering Drawing	3
EGDT 1050	Intro to 3D Printing and Fabrication	3
EGDT 1100	Residential Architecture Documentation and Design	3
EGDT 1720	Architectural Rendering	3
EGDT 2100	Commercial Architecture Documentation and Design	3

Graduation Requirements

1. Completion of a minimum of 18 semester credits.
2. Minimum grade of C- required in all courses.
3. Overall grade point average of 2.0 (C) or above.
4. Residency hours-- minimum of 5 credit hours through course attendance at UVU.

Graduation Plan

This graduation plan is a sample plan and is intended to be a guide. Your specific plan may differ based on your Math and English placement and/or transfer credits applied. You are encouraged to meet with an advisor and set up an individualized graduation plan in Wolverine Track (http://www.uvu.edu/wolverinetrack/).

First Year		
Semester 1		**Credit Hours**
EGDT 1020	3D Architectural Modeling	3
EGDT 1050	Intro to 3D Printing and Fabrication	3
	Credit Hours	**6**
Semester 2		
EGDT 1040	Fundamentals of Technical Engineering Drawing	3
EGDT 1100	Residential Architecture Documentation and Design	3
	Credit Hours	**6**
Second Year		
Semester 3		
EGDT 1720	Architectural Rendering	3
EGDT 2100	Commercial Architecture Documentation and Design	3
	Credit Hours	**6**
	Total Credit Hours	**18**

Program Learning Outcomes

1. Demonstrate knowledge of architectural design, building codes, and construction methods and materials
2. Create quality, industry level design drawings for the design discipline
3. Use industry standard design software when producing design drawings

Architectural and civil drafters

- Total Positions112,300
- Field Growth1.1%
- Median Salary$61,820
- Average Openings9.2

Electrical and electronics drafters

- Total Positions23,200
- Field Growth4.1%
- Median Salary$69,260
- Average Openings2.2

Mechanical drafters

- Total Positions50,400
- Field Growth-4.9%
- Median Salary$64,060
- Average Openings4.0

Drafters, all other

- Total Positions18,500
- Field Growth-5.7%
- Median Salary$59,260
- Average Openings1.5