

Structural Design Technology, Certificate of Proficiency

Requirements

The Certificate of Proficiency in Structural Design Technology applies the technical and functional elements of structural steel detailing. Students will take courses in the fundamentals of drafting and design, basic structural steel detailing, two-dimensional and three-dimensional software/Building Information Modeling (BIM) packages, and advanced structural design and detailing.

Total Program Credits: 17

Discipline Core Requirements:			17 Credits
EGDT 1000	Introduction to Engineering Drawing and Technical Design (2.0)		2
EGDT 1020	3D Architectural Modeling (3.0)		3
EGDT 1040	Computer Aided Drafting--AutoCAD (3.0)		3
EGDT 1300	Structural Drafting (3.0)		3
EGDT 2300	Advanced Structural--CAD (3.0)		3
EGDT 2310	Structural Steel Modeling (3.0)		3

Graduation Requirements:

1. Completion of a minimum of 17 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.

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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](#).

Milestone courses (pre-requisites for a course in one of the subsequent semesters) are marked in red and italicized.

Semester 1	Course Title	Credit Hours
<i>EGDT 1000</i>	Introduction to Engineering Drawing and Technical Design	2
<i>EGDT 1040</i>	Computer Aided Drafting – AutoCAD	3
	Semester total:	5
Semester 2	Course Title	Credit Hours
EGDT 1020	3D Architectural Modeling	3
<i>EGDT 1300</i>	Structural Drafting	3
	Semester total:	6
Semester 3	Course Title	Credit Hours
EGDT 2300	Advanced Structural	3
EGDT 2310	Structural Steel Modeling	3
	Semester total:	6
	Degree total:	17