Engineering Design Technology, A.A.S.

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Requirements

The Associate in Applied Science Degree is a "job ready" degree and applies the technical and functional elements of several Drafting and Design fields. Students will take courses in the fundamentals of drafting and design, industry standard two-dimensional and three-dimensional software, Architectural Design, Civil Design and Surveying, Electrical Design, Mechanical Design, and Structural Steel Detailing and Design. Students will take other supporting classes and advanced courses in a minimum of two specialty areas of their choosing.

Total Program Credits: 65

General Education Requirements:			19 Credits
ENGLISH			3
	ENGL 1010	Introduction to Academic Writing (3)	
or	ENGH 1005	Literacies and Composition Across Contexts (5)	
or	MKTG 220G	Written Business Communication WE (3)	
MATHEMATICS			
	EGDT 1600	Technical Math--Algebra	3
or	MATH 1050	College Algebra (4)	
or	MATH 1055	College Algebra with Preliminaries (5)	
	EGDT 1610	Technical Math--Geometry/Trig	3
or	MATH 1060	Trigonometry (3)	
HUMANITITES/FINE ARTS/FOREIGN LANGUAGE			3
	PHIL 2050	Ethics and Values (3)	
or	Any approved Humanities, Fine Arts, or Foreign Language Distribution Course		
SOCIAL AND BEHAVIORAL SCIENCE			3
	Any approved Social Science		
BIOLOGY OR PHYSICAL SCIENCE			
	PHYS 1010	Elementary Physics	3
PHYSICAL EDUCATION/HEALTH/SAFETY OR ENVIRONMENT			1
	Any approved Physical Education, Health, Safety or Environment Course		
Discipline Core Requirements:			37 Credits
	EGDT 1010	Electrical Drafting and Design	3
	EGDT 1020	3D Architectural Modeling	3
	EGDT 1040	Fundamentals of Technical Engineering Drawing	3
	EGDT 1070	3 Dimensional Modeling--Inventor	3
or	EGDT 1071	3 Dimensional Modeling--Solidworks (3)	
	EGDT 1100	Architectural Drafting and Desig	3
	EGDT 1200	Mechanical Drafting	3
	EGDT 1300	Structural Drafting	3
	EGDT 1400	Surveying Applications and Field Techniques I	3
	EGDT 2020	Descriptive Geometry	3
	EGDT 2040	Piping Drafting	2
	EGDT 2600	Applied Structures I - Statics	3
	EGDT 2610	Applied Structures II - Strength of Materials	3
	EGDT 285R	AEC Design Lecture Series	0.5
	EGDT 2860	Cooperative Correlated Instruction/ SkillsUSA	0.5
	EGDT 2870	Portfolio and Career Preparation	1
Elective Requirements:			9 Credits
Choose a minimum of three courses from the following list for a minimum of 9 credits:			9
	EGDT 2010	Advanced Electrical--CAD (2)	
	EGDT 2100	Architecture Materials and Methods (3)	
	EGDT 2200	Advanced Mechanical (3)	
	EGDT 2300	Advanced Structural--CAD (3)	
	EGDT 2400	Surveying Applications and Field Techniques II (3)	
	EGDT 2500	3 Dimensional Modeling--Civil 3D (3)	
	EGDT 281R	Internship (1)	

Graduation Requirements:

1. Completion of a minimum of 65 semester credits.
2. Overall grade point average of 2.0 (C) or above. (Departments may require a higher GPA.)
3. Residency hours-- minimum of 20 credit hours through course attendance at UVU.
4. Completion of GE and specified departmental requirements, including a portfolio and exit interview.

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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
EGDT 1040	Fundamentals of Technical Engineering Drawing	3
EGDT 1020	3D Architectural Modeling	3
EGDT 1400	Surveying Applications and Field Techniques I	3
EGDT 285R	AEC Design Lecture Series	0.5
EGDT 1600	Technical Math - Algebra	3
or		
MATH 1050 or MATH 1055	College Algebra (4.0) or College Algebra with Preliminaries	
EGDT 1070	3 Dimensional Modeling - Inventor	3
or		
EGDT 1071	3 Dimensional Modeling - Solidworks	
ENGL 1010	Introduction to Writing	3
or ENGH 1005 or		
MKTG 220G	Written Business Communication WE	
	Written Business Communication WE	
	Semester total:	18.5
Semester 2	Course Title	Credit Hours
EGDT 1010	Electrical Drafting and Design	3
EGDT 1100	Architectural Drafting and Design	3
Soc/Beh Sci	Social Science	3
EGDT 2860	Cooperative Correlated Instruction/ SkillsUSA	0.5
EGDT 1610	Technical Math - Geometry/Trig	3
or		
MATH 1060	Trigonometry (3.0)	
PHIL 2050	Ethics and Values	3
	Semester total:	15.5

Semester 3	Course Title	Credit Hours
EGDT 1200	Mechanical Drafting	3
EGDT 1300	Structural Drafting	3
EGDT 2020	Descriptive Geometry	3
EGDT 2040	Piping Drafting	2
EGDT 2600	Applied Structures I - Statics	3
EGDT Elective	EGDT Elective	3
	Semester total:	17
Semester 4	Course Title	Credit Hours
EGDT 2610	Applied Structures II - Strength of Materials	3
EGDT 2870	Portfolio and Career Preparation	1
Phys Ed/Health/Safety or Environment		1
EGDT Elective	EGDT Elective	3
PHYS 1010	Elementary Physics	3
EGDT Elective	EGDT Elective	3
	Semester total:	14
	Degree Total	65