

# **ENGINEERING DESIGN TECHNOLOGY**

**General Track** 

## **ASSOCIATE OF SCIENCE (AS)**

2021-2022 Catalog Year COLLEGE OF ENGINEERING AND TECHNOLOGY

General Education Requirements (36 credits)			
Course Number	Course Title	Cr	Pre-requisites
ENGH 1005 or ENGL 1010	Literacies or Introduction to Writing	3	Placement
ENGL 2010	Intermediate Writing	3	Grade of C or better in ENGH 1005 or ENGL 1010
Complete one of the fo			
MAT 1030	Quantitative Reasoning	3	MAT 1000 or 1010/appropriate test score
MAT 1035	Quantitative Reasoning with Algebra	6	MAT 0950 /appropriate test score
STAT 1040	Introduction to Statistics	3	MAT 1000 or 1010/appropriate test score
STAT 1045	Introduction to Statistics with Algebra	5	MAT 1000 or 1010/appropriate test score
MATH 1050	College Algebra	4	MAT 1000 or 1010/appropriate test score
MATH 1055	College Algebra with Preliminaries	5	MAT 1000 or 1010/appropriate test score
MATH 1090	College Algebra for Business	3	MAT 1000 or 1010/appropriate test score
Complete one of the following:			
HIST 1700	American Civilization	3	
HIST 1740	US Economic History (strongly recommended by dept.)	3	
HIST 2700 and 2710	US History to 1877 and US History since 1877	3/3	With this option one course will count as SS req.
POLS 1000	American Heritage	3	
POLS 1100	American National Government	3	
Complete the following	•		
PHIL 2050	Ethics and Values	3	ENGL 1010; ENGL 2010 highly recommended
Complete one of the fo	ollowing:		
HLTH 1100	Personal Health and Wellness	2	
PES 1097	Fitness for Life (strongly recommended by dept.)	2	
Distribution Courses: complete one course from each category below:			
Biology (BB)	Any approved course from distribution list	3	
Physical Science (PP)	Any approved course from distribution list	3	
PHYS 1010 or 2010 (PP)	Elementary Physics OR College Physics I	3	Mat 1010 / Math 1050
Humanities (HH)	Any approved course from distribution list	3	
Fine Arts (FF)	(EGDT 1720 Architectural Rendering is strongly recommended)	3	
Soc./Behavioral (SS)	Any approved course from distribution list	3	
—See Back Side for list	of General Education Distribution Courses—		I otal General Education Requirements Credits
EGDT Discipline Core Requirements (27 credits)			
Course Number	Course Title	Cr	Pre-requisites
EGDT 1020	3D Architectural Modeling (Fall, Spring, Summer)	3	1 10 10quioitos
EGDT 1040	Computer Aided Drafting – AutoCAD (Fall, Spring, Summer)	3	
EGDT 1040	3 Dimensional Modeling Solidworks (Fall, Spring )	3	
		3	
EGDT 1300	Structural Drafting (Fall, Spring )	3	EGDT 1040 with grade of C- or higher
EGDT 1400	Surveying I (Fall, Spring, Summer)	3	
EGDT/ARC ELECTIVES	See Wolverine Track or Advisor	12	

# Total Credits Required for Associate of Science Degree in EGDT: 63 Credits

#### **Graduation Requirements:**

- ${\bf 1.} \quad {\bf Completion\ of\ a\ minimum\ of\ 63\ semester\ credits\ required\ for\ an\ AS\ degree.}$
- ${\it 3.} \quad {\it Residency hours: minimum of 20 credit hours through attendance at UVU.}$

27 Total Discipline Core (EGDT) Credits

2. Overall grade point average 2.0 (C) or above (Departments may require a higher GPA). 4. Completion of GE and specified departmental requirements.

ADVISOR: Please call (801) 863-8648 to make an appointment or go to <a href="https://appointments.uvu.edu/shandierickson">https://appointments.uvu.edu/shandierickson</a>

SHANDI ERICKSON

EMAIL: shandi.erickson@uvu.edu 800 West University Parkway, Orem, UT 84058

## **DISTRIBUTION LIST of GENERAL EDUCATION (GE) COURSES**

## **HUMANITIES (HH)**

AMST 2000 Intro to American Studies\* ASL 202G Intermed, American Sign Lang II\* CHIN 202G Intermediate Chinese II\* CINE 2150 Critical Intro to Cinema Studies\* CINE 217G Race Class & Gender in US Cinema\* COMM1020 Public Speaking COMM 1050 Intro to Speech Communication COMM 1500 Intro to Mass Communication COMM 217G Race Class & Gender in US Cinema\* ENGL 2030 Writing for Social Change\* ENGL 2130 Science Fiction\* ENGL 2150 Critical Intro to Cinema Studies\* ENGL 217G Race Class & Gender in US Cinema\* ENGL 2200 Intro to Literature\* ENGL 2210 Introduction to Folklore\* ENGL 2230/223H Myths & Legends in Literature\* ENGL 2250/225H Creative Proc/Imaginative Writing\* ENGL 2300/230H Shakespeare\* ENGL 2310 Technical Communication\* ENGL 2510 American Lit before 1865\* ENGL 2520 American Lit after 1865\* ENGL2600 Critical Intro to Literature\* ENGL 2610 Brit Lit before 1800\* ENGL 2620 Brit Lit after 1800\* ENGL 376G World Literature\* FREN 202G Intermediate French II\* GER 202G Intermediate German II\* GRK 2020 Intermediate Greek II\* HUM 1010/101H Humanities Through the Arts HUM 101G Humanities Through the Arts HUM 2010/201H World History Through Arts I HUM 201G World History Through Arts I HUM 2020/202H World History Through Arts II HUM 202G World History Through Arts II HUM 203G Art Form Focus I

HUM 204G Art Form Focus II

HUM 2100 Adventures of Ideas Thru 1500 HUM 210H Adventures of Ideas Thru 1500\* HUM 2200 Adventures of Ideas After 1500 HUM 220H Adventures of Ideas After 1500\* JPNS 202G Intermediate Japanese II\* LATN 2020 Intermediate Latin II\*

PHIL 1000 Intro to Philosophy

PHIL 100H Intro to Philosophy\*

PHIL 1250 Intro to Logic & Critical Thinking PHIL 1610 Intro to Western Religions

PHIL 1620 Intro to Eastern Religions

PHIL 2110 Ancient Greek Philosophy\* PHIL 2130 Medieval Philosophy\*

PHIL 2150 Early Modern Philosophy\*

PORT 202G Intermediate Portuguese II\*

RUS 202G Intermediate Russian II\* SPAN 202G Intermediate Spanish II\*

\* These Courses Have Prerequisites

## **FINE ARTS (FF)**

ART 1010 Introduction to Visual Art ART 1020 Basic Drawing for Non-Majors

ART 1050 Photography I ART 1110 Drawing I

ART 1340 Sculpture I

ART 1350 Ceramics I

ART 1650 Watermedia I

ART 3400 Fund of Art Education

ARTH 2710 Hist of Art to the Renaissance

ARTH 271H Hist of Art to the Renaissance

ARTH 2720 Hist of Art from Renaissance

ARTH 272H Hist of Art from Renaissance

DANC 1010 Dance as an Art Form

DANC 2110 Orientation to Dance

#### EGDT 1720 Architectural Rendering

MUSC 1010/101H Intro to Music

MUSC 1030 American Popular Music

MUSC 1100 Fundamental of Music

THEA 1013 Intro to Theater

THEA 1023 Intro to Film

THEA 1033 Acting I

THEA 2200 Theatre & Drama in Elem. School

THEA 2311 Film History I

Complete 2 of the following to equal 1 Fine Arts Distribution course:

→ DANC 3400 Dance in Elem School

→ MUSC 3400 Music in Elementary School

# SOCIAL/BEHAVIORAL SCIENCES (SS)

ANTH 101G Social/Cultural Anthropology

ANTH 1020 Biological Anthropology

ANTH 103G World Prehistory

ANTH 180G Intro to American Indian Studies

ARCH 1100 Intro to Archaeology

BESC 107G Multicultural Societies CJ 1010 Intro to Criminal Justice

COMM 2110 Interpersonal Communication

ECON 1010 Economics as a Social Science

ECON 2010 Microeconomics

ECON 2020 Macroeconomics

ES 1150 Community Emergency Preparedness FAMS 1150 Marriage and Relationship Skills

FIN 1060 Personal Finance

GEOG 130G Survey of World Geography

GEOG 140G Intro to Human Geography

GEOG 2100 Geography of the United States

HIST 1500 World History to 1500

HIST 151G World History from 1500 to Present

HIST 1700/170H American Civilization

(If not used as Core Requirement)

HIST 1740 US Economic History

(If not used as Core Requirement)

HIST 180G Intro to American Indian Studies

HIST 2700 US History to 1877

(If not used as Core Requirement)

HIST 2710 US History Since 1877

(If not used as Core Requirement)

HIST 4320 History of Scientific Thought HIST 4330 Machines in the Making of History

HLTH 2600 Drugs, Behavior & Society

HLTH 2800 Human Sexuality

HLTH 3000 Health Concepts Death/Dying

MGMT 1010 Introduction to Business

MGMT 2030 Women in Business

MGMT 2110 Interpersonal Communication

PRLG 1000 Intro to American Law

POLS 1000 American Heritage

(If not used as Core Requirement)

POLS 1010 Intro to Political Science

POLS 1100 American National Government (If not used as Core Requirement)

POLS 2100 Intro International Relations

POLS 2200 Intro to Comparative Politics

PSY 1010/101H General Psychology

PSY 1100 Human Development Life Span

PSY 2800 Human Sexuality

SOC 1010/101H Intro to Sociology

SOC 1200 Sociology of the Family

TECH 200G Technology and Human Life

## **BIOLOGY (BB)**

BIOL 1010/101H General Biology

**BIOL 1070 Genetics** 

BIOL 1200 Prehistoric Life

**BIOL 1500 Biological Anthropology** 

BIOL 1610 College Biology I

BIOL 1620 College Biology II

BIOL 204R Natural History Excursion\*

BIOL 2500 Environment Biology

BOT 2050 Field Botany

BOT 2100 Flora of Utah

BOT 2400 Plant Kingdom

HLTH 3400 Human Diseases

MICR 2060 Microbiology for Health Prof

NUTR 2020 Nutrition Through Life Cycle

ZOOL 1090 Intro to Human Anatomy & Physiology

ZOOL 2320/232H Human Anatomy

### PHYSICAL SCIENCES (PP)

ASTR 1040/104H Elementary Astronomy

ASTR 1050 Investigations of the Solar Systems

ASTR 1060 Investigation of Stars & Galaxies

ASTR 1070/107H Cultural Astronomy in Our Lives

ASTR 1080 Life in the Universe

CHEM 1010 Introduction to Chemistry

CHEM 1110 Elementary Chemistry for Health Sci.

CHEM 1120 Elementary Organic Bio-Chemistry CHEM 1210 Principles of Chemistry I

CHEM 1220 Principles of Chemistry II

ENVT 1110 Intro to Environmental Management

GEO 1010/101H Introduction to Geology

GEO 1020 Prehistoric Life

GEO 1080 Intro to Oceanography

GEO 1220 Historical Geology

GEO 204R Natural History Excursion\*

GEOG 1000 Intro to Physical Geography

METO 1010 Intro to Meteorology

METO 1060 Climate of the Earth

PHSC 1000 Survey of Physical Science

PHYS 1010 Elementary Physics

PHYS 1700 Descriptive Acoustics

PHYS 1750 Music Acoustics

PHYS 1800 Energy You and the Environment

PHYS 2010 College Physics I

PHYS 2020 College Physics II

PHYS 2210 Physics for Scientists & Engr I PHYS 2220 Physics for Scientists & Engr II

TECH 1010 Understanding Technology\*

## **AMERICAN INSTITUTIONS**

HIST 1700 American Civilization HIST 1740 US Economic History

POLS 1000 American Heritage POLS 1100 American National Government HIST 2700 & HIST 2710 US History

## **GENERAL STUDIES**

MATH 1030 Quantitative Reasoning **OR** MATH 1040 Introduction to Statistics

OR MATH 1050 College Algebra

ENGL 1010 Introduction to Writing

**ENGL 2010 Intermediate Writing** 

PHIL 2050 Ethics and Values HLTH 1100 Personal Health and Wellness

OR PES 1097 Fitness for Life

<sup>\*</sup>May be used as the third science only.