# Engineering Design Technology
## Associate in Applied Science Degree (AAS)
### 2016-2017 Catalog Year
#### College of Technology & Computing

### First Year Requirements

<table>
<thead>
<tr>
<th>COURSE NO</th>
<th>COURSE TITLE</th>
<th>CR</th>
<th>PREREQUISITE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGDT 1010</td>
<td>Electrical-Electronic Drafting (Fall, Spring)</td>
<td>3</td>
<td>EGDT 1000 &amp; EGDT 1040 (C- grade or higher)</td>
</tr>
<tr>
<td>EGDT 1020</td>
<td>3D Architectural Modeling (Fall, Spring, Summer)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EGDT 1040</td>
<td>Computer Aided Drafting – AutoCAD (Fall, Spring)</td>
<td>3</td>
<td>EGDT 1000 (Intro to Eng. Drawing &amp; Tech. Design) recommended</td>
</tr>
<tr>
<td>EGDT 1070 or 1071</td>
<td>3 Dimensional Modeling – Inventor (Fall, Spring) or 3 Dimensional Modeling – SolidWorks (Fall, Spring, Sum)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EGDT 1100</td>
<td>Architectural Drafting (Fall, Spring)</td>
<td>3</td>
<td>EGDT 1000 &amp; EGDT 1020 (C- grade or higher)</td>
</tr>
<tr>
<td>EGDT 1200</td>
<td>Mechanical Drafting (Fall, Spring)</td>
<td>3</td>
<td>EGDT 1000 &amp; (EGDT 1070 or EGDT 1071) (C- grade or higher)</td>
</tr>
<tr>
<td>EGDT 1300</td>
<td>Structural Drafting (Fall, Spring)</td>
<td>3</td>
<td>EGDT 1000 &amp; EGDT 1040 (C- grade or higher)</td>
</tr>
<tr>
<td>EGDT 1400</td>
<td>Surveying (Fall, Spring, Summer)</td>
<td>3</td>
<td></td>
</tr>
<tr>
<td>EGDT 1600</td>
<td>Technical Math-Algebra (or MATH 1050) (Fall, Spring)</td>
<td>3</td>
<td>MAT 0920 or equiv./Appropriate test scores</td>
</tr>
<tr>
<td>EGDT 1610</td>
<td>Technical Math-Geom/Trig (or MATH 1060) (Fall, Spring)</td>
<td>3</td>
<td>EGDT 1600 or MATH 1050 (C- grade or higher)</td>
</tr>
<tr>
<td>PHYS 1010</td>
<td>Elementary Physics (Fall, Spring, Summer)</td>
<td>3</td>
<td>MAT 1010 or Equivalent; If you did EGDT 1600 get override</td>
</tr>
</tbody>
</table>

### Second Year Requirements

<table>
<thead>
<tr>
<th>COURSE NO</th>
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<th>PREREQUISITE</th>
</tr>
</thead>
<tbody>
<tr>
<td>EGDT 2020</td>
<td>Descriptive Geometry (Fall, Spring)</td>
<td>3</td>
<td>EGDT 1000 &amp; EGDT 1040 (C- grade or higher)</td>
</tr>
<tr>
<td>EGDT 2040</td>
<td>Piping Drafting (Fall, Spring)</td>
<td>2</td>
<td>EGDT 1040 (C- grade or higher)</td>
</tr>
<tr>
<td>EGDT 2050</td>
<td>Plate Layout (Fall, Spring)</td>
<td>2</td>
<td>EGDT 2020 (C- grade or higher)</td>
</tr>
<tr>
<td>EGDT 2600</td>
<td>Statics (Fall, Spring)</td>
<td>3</td>
<td>EGDT 1610 or MATH 1060 (C- grade or higher)</td>
</tr>
<tr>
<td>EGDT 3610</td>
<td>Strength of Materials (Fall, Spring)</td>
<td>3</td>
<td>EGDT 2600 (C- grade or higher)</td>
</tr>
<tr>
<td>EGDT 2870</td>
<td>Portfolio and Career Preparation (Fall, Spring)</td>
<td>3</td>
<td>Should be taken during last or 2nd to last semester</td>
</tr>
</tbody>
</table>

Choose 9 Credits of EGDT Electives:

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<tbody>
<tr>
<td>EGDT 1060</td>
<td>Microstation (Spring Only)</td>
<td>2</td>
<td>Corequisite or Prerequisite: EGDT 1000</td>
</tr>
<tr>
<td>EGDT 2100</td>
<td>Advanced Architectural (Fall Only)</td>
<td>3</td>
<td>EGDT 1100 &amp; EGDT 1020 (C- grade or higher)</td>
</tr>
<tr>
<td>EGDT 2200</td>
<td>Advanced Mechanical (Spring Only)</td>
<td>3</td>
<td>EGDT 1200 &amp; (EGDT 1070 or 1071) (C- grade or higher)</td>
</tr>
<tr>
<td>EGDT 2300</td>
<td>Advanced Structural—CAD (Spring Only)</td>
<td>3</td>
<td>EGDT 1300; EGDT 1610 or MATH 1060 (C- grade or higher)</td>
</tr>
<tr>
<td>EGDT 2310</td>
<td>Structural Steel Modeling (Spring Only)</td>
<td>3</td>
<td>EGDT 1040 &amp; EGDT 1300 (C- grade or higher)</td>
</tr>
<tr>
<td>EGDT 2400</td>
<td>Surveying Applications and Field Techniques II (Fall Only)</td>
<td>3</td>
<td>EGDT 1040 or equiv.; EGDT 1400; EGDT 1600 or MATH 1060</td>
</tr>
<tr>
<td>EGDT 2500</td>
<td>3 Dimensional Modeling–Civil 3D (Fall Only catalog says Spr.)</td>
<td>3</td>
<td>EGDT 1040; EGDT 1400 (C- grade or higher)</td>
</tr>
<tr>
<td>EGDT 2750</td>
<td>Special Problems-Architectural Rendering (Fall only)</td>
<td>2</td>
<td>Talk to Advisor</td>
</tr>
<tr>
<td>EGDT 281R</td>
<td>Coop. Work Experience – repeatable (Fall, Spring, Summer)</td>
<td>1</td>
<td>Limited to 2 credits maximum (See Advisor for prereqs.)</td>
</tr>
<tr>
<td>EGDT 3500</td>
<td>Advanced Civil Drafting &amp; Design (Spring Only)</td>
<td>3</td>
<td>EGDT 1040 or EGDT 1060; EGDT 1400 (C- higher); Advanced Standing</td>
</tr>
<tr>
<td>Other</td>
<td>Other EGDT courses (On Sufficient Demand) – See Advisor</td>
<td>2</td>
<td>Ask the Advisor about these</td>
</tr>
</tbody>
</table>

### General Education

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<tbody>
<tr>
<td>ENGL 1010</td>
<td>Intro to Writing (or MKTG 2200 – Written Business Communication)</td>
<td>3</td>
<td>Appropriate placement scores (take ENGL 1010 for Tech Mgmt)</td>
</tr>
<tr>
<td>HH/FF/LH</td>
<td>Any approved Humanities, Fine Arts, or Foreign Lang., or PHIL 2050</td>
<td>3</td>
<td>EGDT 1720–Architectural Rendering Recommended (Fall, Spring)</td>
</tr>
<tr>
<td>SS</td>
<td>MGMT 3000 or any approved Behavioral., Soc., or Pol. Sci.</td>
<td>3</td>
<td>See back of sheet or catalog (take TECH 200G if doing Tech Mgmt)</td>
</tr>
<tr>
<td>PES/HLTH</td>
<td>Any approved PE, Health, Safety, or Environment course</td>
<td>1</td>
<td>See back of sheet or catalog (take PES 1097 or HLTH 1100 if doing Tech Mgmt)</td>
</tr>
</tbody>
</table>

Total Credits Required for Associate in Applied Science Degree: 67 Credits with 2.0 GPA (C) or above + portfolio & exit interview

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### UVU Endt Advisor: Andrew Gifford

PHONE: (801) 863-8350  
OFFICE: CS 635h  
TEXT ONLY: (801) 900-5815  
FAX: (801) 863-6559  
EMAIL: AGifford@uvu.edu  
ADDR: UVU MS 281, 800 West University Parkway, Orem, UT 84058  
SCHEDULE APPOINTMENT: See [https://andrewgifford.youcanbook.me](https://andrewgifford.youcanbook.me) or Call – (801) 863-8648  

*If the date at the end of this document is in excess of one year old, please obtain a more recent copy.*

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**August 2015**
**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 2230/223H Myths & Legends in Literature
- ENGL 2250/225H Creative Pro/Imaginative Writing
- ENGL 2300/230H Shakespeare
- ENGL 2310 Technical Communication
- ENGL 2510 American Lit before 1865
- ENGL 2520 American Lit after 1865
- ENGL 2600 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 1820 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 (FE)**
- 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
- DAN 1010 Dance as an Art Form
- DAN 2110 Creative Dance
- EGD T 1720 Architectural Rendering
- MUSC 1010/101H Intro to Music
- MUSC 1030 American Popular Music
- MUSC 1100 Fundamentals 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

**SOCIAL/BEHAVIORAL SCIENCES (SS)**
- ANTH 101G Social/Cultural Anthropology
- ANTH 1020 Biological Anthropology
- ANTH 103G World Prehistory
- ANTH 1800 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 Microeconomics
- ECON 2020 Macroeconomics
- FAMS 1150 Marriage and Relationship Skills
- FIN 1060 Personal Finance
- GEOG 1300 Survey of World Geography
- GEOG 140G Intro to Human Geography
- GEOG 2100 Geography of the United States
- HIST 1500 World History
- HIST 151G World History from 1500 to Present
- HIST 1700/170H American Civilization
  - (If not used as Core Requirement)
  - (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 & Disease
- 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 1600 College Biology II
- BIOL 2400 Plant Kingdom
- BIOL 1610 College Biology I
- BIOL 2024R Natural History Excursion
- BIOL 2500 Environment Biology
- BOT 2050 Field Botany
- BOT 2100 Flora of Utah
- BOT 2400 Plant Kingdom
- BTEC 1010 Fund. In Biotech I Career Survey
- HLTH 3400 Human Diseases
- MICR 2060 Microbiology for Health Prof
- NUTR 2020 Nutrition Thru Life Cycle
- ZOOL 1090 Intro to Human Anatomy & Physiology

**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 1100 Elementary Chemistry
- CHEM 1120 Organic Biochemistry
- CHEM 1201 Principles of Chemistry I
- CHEM 1202 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 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*

*May be used as the third science only.

**GENERAL STUDIES REQUIRED FOR AAS**
- EGD T 1600 Technical Math - Algebra
- OR MATH 1050 College Algebra
- EGD T 1610 Technical Math - Trig
- OR MATH 1060 Trigonometry

**PHYS 1010 for Physical Science Requirement**
- ENGL 1010 Introduction to Writing
- OR MKTG 2200 Written Business Comm.

1. Humanities, or 1 Fine Arts, or 1 Language course, or PHIL 2050 Ethics and Values; Recommended course is EGD T 1720
2. Social/Behavioral Science course or MGMT 3000 Organizational Behavior (do this if you did MKTG 2200 instead of ENGL 1010 because it is a prerequisite)
3. Health, PE, or safety course; If doing BS degree afterwards, then HLTH 1100 Personal Health and Wellness OR PES 1097 Fitness for Life