

## 4-Year Academic Plan: Engineering Technology - CAD/CAM

The following is a sample outline demonstrating 4-year completion of this bachelor's degree. Each student's reality will vary slightly, as this plan does not include transfer work, Advanced Placement (AP), or concurrent enrollment credits. Math and English placement will be based on the student's ACT/SAT scores. PLEASE NOTE: The following plan assumes students are prepared to take the Math course listed. If prerequisites are required, additional semesters may be required to complete degree.

This is a **GUIDE ONLY**. Please meet with your academic advisor and consult DegreeWorks for specifics.

| 1st Year Fall (14 credits) |          |                                  |   |        | 1st Year Spring (16 credits) |      |                                 |   |        |
|----------------------------|----------|----------------------------------|---|--------|------------------------------|------|---------------------------------|---|--------|
| ENGL                       | 1010     | Intro. to Academic Writing       | 3 | F/S/Su | ENGL                         | 2010 | Intermediate Writing            | 3 | F/S/Su |
| EDGE                       | 1010     | Becoming an Engaged Learner      | 1 | F/S/Su | CSIS                         | 1000 | Intro to Computers & Internet   | 3 | F/S/Su |
| MATH                       | 1050     | College Algebra                  | 4 | F/S/Su | LM                           | 1010 | Information Literacy            | 1 | F/S/Su |
| CCET                       | 1010     | Intro to Engr. & Tech. Design    | 3 | F/S    | MATH                         | 1060 | Trigonometry                    | 3 | F/S/Su |
| CCET                       | 1030     | Intro to CAD-CAM 3D Design       | 3 | F/S    | CCET                         | 1040 | Intro to Res Arch - AutoCAD     | 3 | F/S    |
|                            |          |                                  |   |        | ENGR                         | 1030 | Computer Assisted Design        | 3 | F/S    |
| 2nd Year Fall (16 credits) |          |                                  |   |        | 2nd Year Spring (15 credits) |      |                                 |   |        |
| XXXX                       | XXXX     | American Institutions GE         | 3 | F/S/Su | XXXX                         | XXXX | Humanities GE                   | 3 | F/S/Su |
| PHYS                       | 2010/15  | College Physics/Lab (PS GE)      | 5 | F/Su   | XXXX                         | XXXX | Social/Behavioral Science GE    | 3 | F/S/Su |
| CCET                       | 2620     | 3D Design                        | 3 | F/S    | MATH                         | 1100 | Applied Calculus                | 3 | S      |
| CCET                       | 2650     | Mechanical Blueprint Drawing     | 2 | F      | CCET                         | 3670 | Civil Design                    | 3 | S      |
| CCET                       | 2690     | Fund. of Manufacturing           | 3 | F      | CCET                         | 3680 | CNC Design                      | 3 | S      |
| 3rd Year Fall (15 credits) |          |                                  |   |        | 3rd Year Spring (16 credits) |      |                                 |   |        |
| XXXX                       | XXXX     | Fine Arts GE                     | 3 | F/S/Su | XXXX                         | XXXX | Life Science GE                 | 3 | F/S/Su |
| CCET                       | 3610     | Architectural Design             | 3 | F      | CCET                         | 3690 | Adv'd Design Unigraphix NX      | 3 | S      |
| CCET                       | 3630     | Fundamentals of CATIA            | 3 | F      | CCET                         | 4600 | Engineering Design              | 3 | S      |
| ENGR                       | 2170     | Programming for Engineers        | 3 | F      | CCET                         | 4610 | Advanced Solid Modeling         | 3 | S      |
| XXXX                       | XXXX     | Free Elective                    | 3 | F/S/Su | COMM                         | 4240 | Technical Writing               | 3 | F/S/Su |
|                            |          |                                  |   |        | EDGE                         | 30XX | *Project Proposal & Planning    | 1 | F/S/Su |
| 4th Year Fall (15 credits) |          |                                  |   |        | 4th Year Spring (13 credits) |      |                                 |   |        |
| CCET                       | 4690     | CNC Software & Applications      | 3 | F      | CCET                         | 4790 | Comp. Intgrtd Manufacturing     | 3 | F/S/Su |
| ENGR                       | 2000     | Statics & Strength of Mat for CM | 3 | F      | CCET                         | 4960 | Capstone Project                | 3 | F/S    |
| EET                        | 3760     | Electronic Design & Fabrication  | 3 | F      | XXXX                         | XXXX | Free Elective                   | 3 | F/S/Su |
| XXXX                       | XXXX     | Free Elective                    | 3 | F/S/Su | XXXX                         | XXXX | Free Elective                   | 3 | F/S/Su |
| XXXX                       | XXXX     | UD Elective                      | 3 | F/S/Su | EDGE                         | 40XX | *Project Reporting & Reflection | 1 | F/S/Su |
| UD                         | Bus Elec | *Upper Division Bus. Elective    | 3 | F/S/Su |                              |      |                                 |   |        |

### Color Key:

General Education Courses (green)

EDGE Program Courses (orange)

Major-required courses that also fulfill GE requirement (purple)

Major Courses (black)

Electives/minor/etc. (red)

### Other Notes:

► \* Can choose between MATH 1100, Applied Calculus or MATH 1210, Calculus I

**Classes in Bold (to total 64) will get you the Associate of Applied Science in CAD/CAM Technology**