

# DESIGN AND ENGINEERING TECHNOLOGY

## ASSOCIATE OF APPLIED SCIENCE (AAS) - 60 CREDITS

### Program Plan — "Wadena AAS"

Locations: Wadena

#### 1st Fall Term (14 credits)

##### Courses

| Course  | Crds |
|---|------|
| BLDG1114 - Blueprint Reading I .....          | 2    |
| CADD1000 - AutoCAD Basics .....               | 3    |
| DET1104 - Mechanical Drawing I .....          | 4    |
| DET1114 - Manufacturing Processes .....       | 2    |
| ENGT1134 - Office Systems and Equipment ..... | 3    |

#### 1st Spring Term (16 credits)

##### Courses

| Course   | Crds |
|--|------|
| CADD1400 - Introduction to SolidWorks .....        | 3    |
| CADD1410 - Introduction to Autodesk Inventor ..... | 3    |
| COMM1120 - Introduction to Public Speaking .....   | 3    |
| DET1106 - Mechanical Drawing II .....              | 4    |

**3 credits in one or more of the following:**

General Education w/MnTC Goals

#### 2nd Fall Term (15 credits)

##### Courses

| Course  | Crds |
|---|------|
| DET2120 - Structural Design and Detailing .....   | 3    |
| DET2200 - Advanced Modeling with SolidWorks ..... | 3    |
| DET2210 - Advanced Modeling with Inventor .....   | 3    |
| DET2246 - Tool Design .....                       | 3    |
| ENGL1101 - College Writing .....                  | 3    |

#### 2nd Spring Term (15 credits)

##### Courses

| Course   | Crds |
|--|------|
| DET2230 - 3D Printing and Prototyping .....      | 2    |
| DET2248 - CNC Applications .....                 | 3    |
| DET2250 - Reverse Engineering Applications ..... | 4    |

**6 credits in one or more of the following:**

General Education w/MnTC Goals