

# ENGINEERING

## ASSOCIATE OF SCIENCE (AS) - 60 CREDITS

### Program Plan — "Primary"

Locations: Moorhead

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

##### Courses

| Course   | Crds |
|--|------|
| CHEM1111 - General Inorganic Chemistry I ..... | 5    |
| ENGL1101 - College Writing .....               | 3    |
| MATH1134 - Calculus I .....                    | 5    |

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

General Education w/MnTC Goals. A minimum of 2 additional goal areas must be met through elective general education courses.

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

##### Courses

| Course                                   | Crds |
|--|------|
| CHEM1112 - General Chemistry II .....    | 5    |
| ENGR2210 - Engineering Mechanics I ..... | 3    |
| MATH1135 - Calculus II .....             | 5    |

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

ENGL1205 - Writing About Literature ..... 3  
 ENGL1210 - Writing About Current Issues ..... 3  
 ENGL1215 - Professional and Technical Writing ..... 3

#### 2nd Fall Term (13 credits)

##### Courses

| Course   | Crds |
|--|------|
| COMM1120 - Introduction to Public Speaking ..... | 3    |
| ENGR2220 - Engineering Mechanics II .....        | 3    |
| MATH2231 - Calculus III .....                    | 4    |

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

General Education w/MnTC goals OR ENGR2970 OR CADD1000 OR CADD2120

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

##### Courses

| Course                                  | Crds |
|---|------|
| ENGR2230 - Mechanics of Materials ..... | 3    |
| MATH2259 - Differential Equations ..... | 4    |
| PHYS1412 - University Physics II .....  | 5    |

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

General Education w/MnTC goals OR ENGR2970 OR CADD1000 OR CADD2120