

# Skilled Trades - Maintenance Mechanic Certificate 26-27 catalog

## Full-time

**Description:** This program trains students in basic industrial maintenance. Coursework focuses on electronics, PLCs, and machine operation.

**Completion Time:** 1.5 Years

This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.

### Year 1

#### Fall Semester

|                                       |          |       |
|---------------------------------------|----------|-------|
| ☐ Success Skills for the 21st Century | GNST 100 | 3 Cr. |
| ☐ Electrical Circuit Analysis         | ATMN 110 | 3 Cr. |
| ☐ Introduction to Windows             | CMIS 102 | 1 Cr. |
| ☐ Industrial Applied Algebra          | INDS 122 | 2 Cr. |

#### Spring Semester

|                                          |          |       |
|------------------------------------------|----------|-------|
| ☐ Industrial Applied Geometry            | INDS 124 | 2 Cr. |
| ☐ Metallurgy & Heat Treatment            | INDS 130 | 2 Cr. |
| ☐ Industrial Documentation & Measurement | TDSN 107 | 4 Cr. |
| ☐ Industrial Motors and Controls         | ATMN 140 | 4 Cr. |

### Year 2

#### Fall Semester

|                                             |          |         |
|---------------------------------------------|----------|---------|
| ☐ Industrial Control Systems- Allen Bradley | ATMN 160 | 4 Cr.   |
| ☐ Basic Machine Operations                  | INDS 129 | 4 Cr.   |
| ☐ Industrial First Aid                      | INDS 156 | 0.5 Cr. |
| ☐ Industrial Safety                         | INDS 157 | 1 Cr.   |
| ☐ Choose One<br>Pneumatics                  | INDS 106 | 3 Cr.   |
| Hydraulics                                  | INDS 107 | 3 Cr.   |

**Total Minimum Credits: 33.5**

**Academic Advising:** You should meet with an academic counselor prior to registering for classes.

**Note:** Prerequisite courses may apply to this program. A minimum of 60 unduplicated credits (100 level or higher) are required for all associate degree programs.

# Skilled Trades - Maintenance Mechanic Certificate 26-27 catalog

## Part-time

**Description:** This program trains students in basic industrial maintenance. Coursework focuses on electronics, PLCs, and machine operation.

**Completion Time:** 2.5 Years

This is suggested course sequencing. Please see a counselor or advisor for individual adjustments.

### Year 1

#### Fall Semester

|                                       |          |       |
|---------------------------------------|----------|-------|
| ☐ Success Skills for the 21st Century | GNST 100 | 3 Cr. |
| ☐ Introduction to Windows             | CMIS 102 | 1 Cr. |
| ☐ Industrial Applied Algebra          | INDS 122 | 2 Cr. |

#### Spring Semester

|                                          |          |       |
|------------------------------------------|----------|-------|
| ☐ Industrial Applied Geometry            | INDS 124 | 2 Cr. |
| ☐ Industrial Documentation & Measurement | TDSN 107 | 4 Cr. |

### Year 2

#### Fall Semester

|                               |          |       |
|-------------------------------|----------|-------|
| ☐ Electrical Circuit Analysis | ATMN 110 | 3 Cr. |
| ☐ Basic Machine Operations    | INDS 129 | 4 Cr. |

#### Spring Semester

|                                  |          |       |
|----------------------------------|----------|-------|
| ☐ Industrial Motors and Controls | ATMN 140 | 4 Cr. |
| ☐ Metallurgy & Heat Treatment    | INDS 130 | 2 Cr. |

### Year 3

#### Fall Semester

|                                            |          |         |
|--------------------------------------------|----------|---------|
| ☐ Industrial Control Systems-Allen Bradley | ATMN 160 | 4 Cr.   |
| ☐ Industrial First Aid                     | INDS 156 | 0.5 Cr. |
| ☐ Industrial Safety                        | INDS 157 | 1 Cr.   |
| ☐ Choose One<br>Pneumatics                 | INDS 106 | 3 Cr.   |
| Hydraulics                                 | INDS 107 | 3 Cr.   |

**Total Minimum Credits: 33.5**

**Academic Advising:** You should meet with an academic counselor prior to registering for classes.

**Note:** Prerequisite courses may apply to this program. A minimum of 60 unduplicated credits (100 level or higher) are required for all associate degree programs.