

**Academic Advising:**

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**Note:**

# Skilled Trades-Machinist, Certificate

24-25 catalog

**Description:** This program trains students in basic industrial machining. Coursework focuses on electronics, CNC, and tool & machine operations.

**Completion Time:** 2 Years

**Part-time spring start course schedule** (You do not have to follow this exact schedule. It is meant to show the courses needed.)

## Year 1

### Spring Semester

- Success Skills for the 21st Century GNST 100 3 Cr.
- Industrial Applied Algebra INDS 122 2 Cr.
- Industrial Documentation & Management TDNS 107 4 Cr.

### Fall Semester

- Basic Machine Operation INDS 129 4 Cr.
- Fundamentals of Welding WELD 101 3 Cr.

## Year 2

### Spring Semester

- Industrial Applied Geometry INDS 124 2 Cr.
- Industrial First Aid INDS 156 0.5 Cr.
- Industrial Safety INDS 157 1 Cr.

### Fall Semester

- Introduction to Windows CMIS 102 1 Cr.
- Industrial Communications TDSN 103 2 Cr.
- Choose 1
  - MIG Welding WELD 105 3 Cr.
  - TIG Welding WELD 106 3 Cr.

## Year 2

### Spring Semester

- Industrial Applied Right Angle and Oblique Trigonometry INDS 127 2 Cr.
- Basic CNC Machining INDS 131 3 Cr.
- Industrial Quality Control INDS 270 3 Cr.
- Geometric Dimensioning & Tolerancing TDSN 125 2 Cr.

**Total Credits: 35.5**

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**Note:** Prerequisite courses may apply to this program. A minimum of 30 unduplicated credits (100 level or higher) are required for all certificate programs.