**MACHINE TOOL TECHNOLOGY**

***Program Overview***

* **Program Length:** 17 weeks
* **Schedule:** Mon-Thurs, 11a.m.-5p.m.
* **Certifications:**
* **College Credit:** 32 credits
* **Cost:** $1318 approximately

**TOPICS COVERED:**

**Computer Numerical Control**

* Fanuc Control G&M code programming
* Setup procedures using various workholding devices and tooling
* Compensation methods using common Tool Length and Diameter Offsets

**Precision Machining**

* Fundamental Concepts of manual machining on Vertical Mills, Engine Lathes, Surface Grinders, band saws
* Proper Tool selection and setup methods using lathe collets, chucks, and tailstocks
* Various mill setup techniques using vises, clamps, and collet closer attachments

**Quality Control**

* Fundamental concepts of blueprint reading and interpretation
* Precision measurement using micrometers, calipers, and gauges

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