
MANUFACTURING TECHNOLOGY

Basic Manufacturing Certificate

This 18 credit-hour certificate program is designed to give students skills in welding and machining to prepare them for entry-level employment in manufacturing. The program of study will emphasize welding theory and extensive practice in major arc welding process including OAW, SMAW, GMAW, and GTAW. Students will learn the fundamentals of machine shop theory and the practical application to the maintenance and fabrication industry. Students will work from blueprints and will be able to fabricate and repair small parts used in a variety of industrial applications.

Required:

| Number | Course Title | Credits |
|---------|----------------------------------|---------|
| MFT 105 | Machining Processes I | 3 |
| MFT 120 | Machining Processes II | 3 |
| MFT 121 | Machining Processes III | 3 |
| MFT 134 | Print Reading for Industry | 3 |
| WLD 110 | Welding I | 3 |
| WLD 210 | Welding II | 3 |