



**INSTITUTE OF  
TECHNOLOGY**

**PROGRAM OF STUDY**  
**Manufacturing Technology**  
**Associate in Applied Science**

The Manufacturing Technology program prepares students for career as a CNC machine operator, fixture designer, machine tool tester, plastics fabricator, operations manager and manufacturing engineer. The Manufacturing Technologies program at OSU Institute of Technology experience the complete manufacturing cycle of design, prototype, production and finally verification through problem solving and process improvement skills.

**Division Requirements**  
**(34 Credit Hours)**

Safety Applications  
*1 Credit hour*

Intro to Design/Drafting  
*3 Credit Hours*

SolidWorks  
*3 Credit hours*

Intro to Manufacturing  
*3 Credit Hours*

CNC Machine Operation  
*3 Credit Hours*

CNC Manufacturing Processes & Fixtures  
*3 Credit Hours*

CNC Machine Programming  
*3 Credit Hours*

**Contact Information**

4059 Redden St.  
Pryor, OK 74361  
918-825-4678  
**osuitpryor@okstate.edu**

Conventional Manufacturing Processes & Tooling  
*3 Credit hours*

Automated Manufacturing Techniques  
*3 Credit Hours*

Applied Manufacturing Processes  
*3 Credit Hours*

Quality Systems & Practices  
*3 Credit Hours*

CAM Applications  
*3 Credit Hours*

**Controlled Electives**  
**(Choice of 12 Credit Hours)**

Manufacturing Internship  
*6 Credit Hour- min 2.5 GPA*

Electrical Motors & Controls  
*3 Credit Hours*

Electronic Control Devices  
*3 Credit Hours*

Mechanical Systems & Equipment  
*2 Credit Hours*

Motors and Controls II  
*3 Credit Hours*

Test Instruments & Troubleshooting  
*1 Credit Hours*

Approved Special Projects  
*1-6 Credit Hours*

**General Education Requirements**  
**(29 Credit Hours)**

Cornerstone  
*1 Credit hour*

Freshman Composition I  
*3 Credit Hours*

Freshman Composition II  
*3 Credit Hours*

Small Group Communications  
**or** Intro to Speech  
*3 Credit Hours*

College Algebra  
*3 Credit hours*

Trigonometry  
*3 Credit hours*

Ethics  
*3 Credit hours*

U.S. History to 1865 **or**  
U.S. History Since 1865  
*3 Credit hours*

U.S. Government  
*3 Credit Hours*

General Physics  
*4 credit Hours*

**34 Credit Hours (Division)**  
**12 Credit Hours (Electives)**  
**29 Credit Hours (Gen Ed)**  
**75 Total Credit Hours**