



Goodwin
University

**Clinton &
Goodwin University
ECAMP Partnership**

ECAMP

CNC Machining, Metrology, and Manufacturing Tech.

21 Credit Certification

1

9
Credits*

- BMM100: Introduction to Manufacturing

- BMM 222: Technical Drawing and Specifications

2

6
Credits

- BMM 175: CNC Machining

- BMM 220: Materials and Proc. in Manufacturing

3

6
Credits

- BMM 224: Metrology and Calibration

- BMM 240: CAM I
- Apprenticeship

*Credit by Exam for BMM 140: Principles of Manufacturing Mathematics.

Credentials

21 Credit Cert.

37 Credit Cert.

A.S. CNC
Machining

B.S. Manufacturing
Mgmt

- Dual Enrollment-HS and University Credit
- Haas CNC Mill Certification
- Pre-apprenticeship Approval from Department of Labor
- Exploring NIMS and OSHA 10 Certifications



Career and College Exploration



Post secondary plan



Entry point in sophomore year and junior year



Manufacturing and Engineering Careers



Work Based Learning Experiences

Work Based Learning Experiences

- Job Shadow
- Guest speakers
- Tours
- Mentor
- Tutoring
- Career Awareness
- MIM
- Information interview



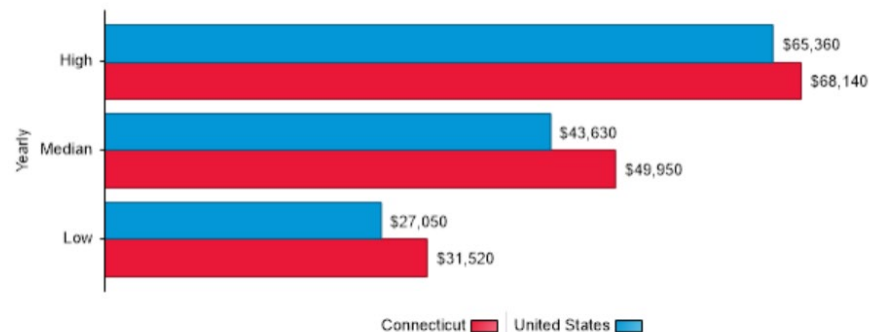
TRUMPF



Career Pathway

- 7 Course Sequence
- Engineering and Green Technology
 - High demand Career
 - Option within Engineering Pathway

Wages for CNC Machinist



Job Opportunities

- **Computer Controlled Machine Tool Operator**
- Engine Assemblers
- First Line Supervision of Production Logistician
- **Machinist**
- Maintenance Specialist
- Manual Machine Operator
- Manufacturing Production Technicians
- Model Maker
- Patternmaker
- Production Planner
- **Programmer**
- Quality Inspector
- Safety Supervisor
- Supply Chain Manager
- Tool and Die Maker

Sample Employment Settings

Aerospace
Biomedical
Construction
Consulting
Colleges and Universities
Environmental
Federal Government
Healthcare
Manufacturing Management
Medical Corporations
Research
Utility Companies



Early College Adv. Manufacturing Center

