



TOOL AND DIE/MOLDBAKER CERTIFICATE

PROGRAM THE CERTIFICATE IS A PART OF

Mechanical Major

JOB OPPORTUNITIES FOR GRADUATES

There are a number of skilled positions/careers available to students taking this program. Positions held are tool & die, machinist, tool maker, die maker, mold maker, CNC machinist, CAM/CNC Programmer, and CNC Operator.

According to the DOL Bureau of Labor Statistics the job outlook thru 2022 is good. Employment for plumbers is projected to grow 21% by 2022, faster than the average for all occupations. Commercial and residential building construction will drive employment growth as the construction industry continues to recover from the recent recession. Demand for plumbers will stem from new building construction and stricter water efficiency standards for plumbing systems, such as low-flow toilets and showerheads. Adding to the growth will be construction of new power plants, factories and new regulations governing sprinkler systems.

SALARY

The median hourly wage for tool and die makers and moldmakers is \$22.60. The lowest 10 percent earned less than \$15.16 per hour, and the top 10 percent earned more than \$33.44 per hour. While CNC operators make slightly less, they are not required to have as much overall knowledge to perform their jobs. Many CNC operators expand their skills and knowledge to become tool & die or moldmakers.

LOCATION

Toledo-area Campus

REQUIRED COURSES

The Age of Coursework for Skilled Trades (SKT) courses is 6 years - chair approval required for courses beyond that. Please refer to College Policy, Chapter 2 - Academic, 3358:11-2-22 Age of Coursework Policy.

High school and adult career-technical students who successfully complete specified technical programs are eligible to have technical credit transfer. For more information on career-technical course work that students can complete for transfer, visit The University System of Ohio Board of Regents, Career-Technical Credit Transfer (CT)2 website or contact your advisor.

AIM 143	Machining Blueprint Reading	Credits: 3(Lec: 2 Lab: 3)
CAM 160	Machining I	Credits: 2(Lec: 1 Lab: 3)
CAM 161	Machining II	Credits: 2(Lec: 1 Lab: 3)
CAD 125	Production Drawing	Credits: 3(Lec: 2 Lab: 3)
CAM 120	Modern Manufacturing Processes	Credits: 3(Lec: 3)
CAM 122	CNC Mill Applications	Credits: 2(Lec: 1 Lab: 3)
CAM 124	CNC Lathe Applications	Credits: 2(Lec: 1 Lab: 3)
MTH 170	College Algebra*	Credits: 4(Lec: 4)
_____	- Elective	Credits: 2 to 4(Lec: 2 to 4)

Select 2 to 4 Elective credits from: CAD 115, CAM 126, CAM 216, ENV 110, MET 130, QCT 110, WLD 191.

For gainful employment data, visit www.owens.edu/gainful-employment/gedt-48.0507-ztld.html

For more information, visit www.owens.edu or call:

Office of Admissions

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