



Get started on an
in-demand career.

MECHANICAL MAJOR

Associate of Applied Science

This major provides the knowledge and skill sets used in various occupations found in a manufacturing environment. Students will learn mechanical drives, basic machining, basic electrical, fluid power hydraulics and pneumatics, blueprint reading, and more. This major provides for enough technical electives that will allow students to choose a career pathway that suits their interest and abilities.

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, maintenance technician, industrial mechanic, millwrights, and multicraft technician to name a few.

According to the DOL Bureau of Labor Statistics the job outlook thru 2022 is good. Nationally companies are looking to fill employment gaps ranging from 17% to 19% depending on the position. Locally we are looking at a skills shortage in a variety of skilled trade positions. With the current skilled workforce shrinking due to the large number of retirements and not enough new workers entering these fields to adequately replace those retirees; the demand has/is growing daily.

SALARY

The median hourly wage for machinists is \$18.99. The lowest 10 percent earned less than \$11.70 per hour, and the top 10 percent earned more than \$28.75 per hour.

The median hourly wage for tool and die makers 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.

The median annual wage for industrial machinery mechanics and maintenance workers and millwrights is \$45,840. The lowest 10 percent earned less than \$29,020, and the top 10 percent earned more than \$69,990.

Apprentices will make less than journeymen make, however they are on a progressive pay scale. Generally apprentices receive pay increases as they progress through their apprenticeship. As apprentices advance in their skills and are capable of working with limited supervision their rate of pay reflects that knowledge and skill advancement

LOCATION

Findlay-area Campus
Toledo-area Campus

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

Office of Admissions

Toledo-area Campus - (567) 661-7777
Findlay-area Campus - (567) 429-3509

School of Science, Technology, Engineering and Mathematics

(567) 661-7457



OWENS
COMMUNITY COLLEGE

Program Curriculum



MECHANICAL MAJOR

Associate of Applied Science

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.

1ST SEMESTER

ENG 111	Composition I*	Credits: 3(Lec: 3)
MTH 151	Applied Algebra	Credits: 2(Lec: 2)
SKT 157	Plant Equipment: Gear/Bearings	Credits: 3(Lec: 3)
AIM 143	Machining Blueprint Reading	Credits: 3(Lec: 2 Lab: 3)
ENV 110	OSHA General Safety	Credits: 3(Lec: 3)
WLD 191	Intro to the Welding Processes	Credits: 2(Lec: 1 Lab: 3)

2ND SEMESTER

ENG 112	Composition II*	Credits: 3(Lec: 3)
MTH 152	Applied Geometry/Trig	Credits: 2(Lec: 2)
QCT 110	Statistical Quality Control	Credits: 3(Lec: 3)
CAM 160	Machining I	Credits: 2(Lec: 1 Lab: 3)
SKT 239	Mechanical Power Trans System	Credits: 2(Lec: 2)
SKT 151	Fluid Power: Hydraulics	Credits: 3(Lec: 3)
SKT 153	Fluid Power: Pneumatics/Logic	Credits: 3(Lec: 3)

3RD SEMESTER

PHY 151	Industrial Physics-Mechanics	Credits: 2(Lec: 2)
PHY 152	Industrial Physics-Ht Li Sound	Credits: 2(Lec: 2)
_____	Speech Elective	Credits: 3(Lec: 3)
	Select from: SPE 101, SPE 102, or SPE 210.	
CAM 161	Machining II	Credits: 2(Lec: 1 Lab: 3)
SKT 238	Machine Moving and Repair	Credits: 3(Lec: 3)
SKT 156	Conveyors/Systems	Credits: 3(Lec: 3)
SKT 160	Machinery Handbook	Credits: 2(Lec: 2)

4TH SEMESTER

ENG 120	Business Communications	Credits: 3(Lec: 3)
BUS 101	Contemporary Business	Credits: 3(Lec: 3)
PSY 111	Indust/Organization Psych	Credits: 3(Lec: 3)
_____	Skilled Trades (SKT) Elective	Credits: 8(Lec: 8)
	Select a Skilled Trades (SKT) course that is not already required for the major. Contact a Skilled Trades Advisor for course selection.	

*Ohio Transfer Module Course

More information about the Ohio Transfer Module Course can be found at www.ohiohighered.org/transfer/transfermodule

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