



Tool and Die Making

60-credit Technical Diploma

www.wctc.edu/tool-die

A tool and die maker's job is to produce parts within specific tolerances - which requires skill, patience and accuracy. If you would be interested in working with prints, models and precision tools, and creating parts to exact specifications, this may be the field for you.

About This Program

A tool and die maker's craft is an exacting one; the parts they make enable machines to produce various products for different industries. In this program, use state-of-the-art equipment to learn complex and conventional machining, computer numerical control machining and grinding operations. Develop skills in precision work, and make molds/dies.



Career Salaries

\$36,700 - \$57,600 annually

Salary range estimates based on wages for related occupations in Waukesha County as reported by Economic Modeling Specialists International (EMSI). Individual wages may vary based on experience, industry, location and specific job requirements.



Potential Careers

Tool and Die Maker
Tool and Die Moldmaker
Tool Room Machinist

What Makes This Program Unique

- Known throughout the Midwest as the premier tool and die making program, graduates of this program are some of the area's most sought-after by employers.
- Graduation from the Tool and Die Making program satisfies State of Wisconsin requirements for machinist (first year of program), tool and die (second year of program) and apprentice-related instruction.
- Take advantage of the opportunity to participate in an award-winning SkillsUSA team.

 PRIOR LEARNING	 CERTIFICATE CNC Operator	 TECHNICAL DIPLOMA CNC Setup Technician	 TECHNICAL DIPLOMA Machine Tool Operation	 TECHNICAL DIPLOMA
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PROGRAM CODE 32-439-1

CORE COURSES

Credits

420-126	Machine Tool Theory	1
420-127	Machine Tool Theory 2	1
420-130	Industrial Blueprint Reading 1	2
420-186	CNC Machining Ctr Programming	2
420-316	CNC Machining Center Operation	2
420-317	CNC Turning Center Operation	2
420-320	Machine Tool Operation 1	4
420-321	Machine Tool Operation 2	4
420-323	Machine Tool Operation 3	4
420-324	Machine Tool Operation 4	4
420-387	CNC Turning Center Programming	2
420-388	Computer Assist Prog/CNC	2
420-399	Wire EDM Fundamentals	1
439-181	SolidWorks for Tool Design 1	2
439-314	Mold Design	1
439-324	Die Design	1
439-331	Tool and Die Moldmaking 1	5
439-332	Tool and Die Moldmaking 2	5
439-341	Tool and Die Stamping 1	5
439-342	Tool and Die Stamping 2	5

GENERAL STUDIES

804-107	College Mathematics	3
801-311	Communication in the Workplace	2



WAUKESHA COUNTY TECHNICAL COLLEGE

Hands-on Higher Ed