

# MACHINE TECHNOLOGY

Machines keep the world moving forward. So you're saying machinists run the world? You bet! Change the world – and your life – one part or tool at a time with Machine Technology at Indian Hills!

YEAR ONE						
TERM	CLASS	NAME	CREDITS	DAYS	TIME	
FALL	MFG 209	Machine Shop Practices	3	MTWTH	08:00 - 08:50	
WINTER	MFG 222	Machine Operations I (4 Credits) (1st half)	2	MTWTH	08:00 - 08:50	
	MFG 121	Machine Trade Printreading I	2	MTWTH	09:00 - 09:50	
SPRING	MFG 222	Machine Operations I (2nd Half)	2	MTWTH	08:00 - 09:50	

YEAR TWO						
TERM	CLASS	NAME	CREDITS	DAYS	TIME	
FALL	MFG 131	Machine Trade Printreading II (Hybrid)	2	MTWTH	08:00 - 09:50	
	MFG 507	Lean Quality Manufacturing	2	MTWTH	10:00 - 10:50	
WINTER	MFG 228	Machine Operations II	4	MTWTH	08:00 - 10:50	
	MAT 772	Applied Math	3	MTWTH	11:00 - 11:50	
SPRING	XXX XXX	Approved Culture Course	3	MW	08:00 - 09:50	
	CSC 105	Computer Essentials	1	TTH	08:00 - 09:20	
	MFG 262	Mill Operations Theory	3	MTWTH	11:00 - 11:50	

DID YOU KNOW THAT IF YOU'RE TAKING INDIAN HILLS CLASSES WHILE STILL IN HIGH SCHOOL, YOU ALREADY QUALIFY FOR A

**\$600 SCHOLARSHIP TO INDIAN HILLS**

CHECK OUT THE MINIMUM QUALIFICATIONS AND APPLY TODAY: [WWW.INDIANHILLS.EDU/SCHOLARSHIPS](http://WWW.INDIANHILLS.EDU/SCHOLARSHIPS)



It is the policy of Indian Hills Community College not to discriminate on the basis of race, color, national origin, sex, disability, age (employment), sexual orientation, gender identity, creed, religion, and actual or potential parental, family, or marital status in its programs, activities, or employment practices as required by the Iowa Code §§216.6 and 216.9, Titles VI and VII of the Civil Rights Act of 1964 (42 U.S.C. §§ 2000d and 2000e), the Equal Pay Act of 1973 (29 U.S.C. § 206, et seq.), Title IX (Educational Amendments, 20 U.S.C §§ 1681 – 1688), Section 504 (Rehabilitation Act of 1973, 29 U.S.C. § 794), and Title II of the Americans with Disabilities Act (42 U.S.C. § 12101, et seq.).

If you have questions or complaints related to compliance with this policy, please contact Kristen Parks, Director of Human Resources/Equity Coordinator, 525 Grandview Ave, Ottumwa, IA 52501, (641) 683-5108; Chris Bowser, Executive Dean, Student Services, (students), (641) 683-5159; Darlas Shockley, Executive Dean, Arts & Sciences (students with disabilities), (641) 683-5174; or the U.S. Department of Education, Citigroup Center, 500 W. Madison, Suite 1475, Chicago, IL 60661, phone number (312) 730-1560, fax (312) 730-1576.



## Machine Technology Curriculum

**ASSOCIATE OF APPLIED SCIENCE DEGREE** | Location: Ottumwa Campus | Start Term: Any Term

<b>TERM I</b>	<b>TOTAL CREDITS: 13</b>	
CSC 105	Computer Essentials	1 <input checked="" type="checkbox"/>
MFG 121	Machine Trade Printreading I	2 <input checked="" type="checkbox"/>
MFG 209	Machine Shop Practices	3 <input checked="" type="checkbox"/>
MFG 222	Machine Operations I	4 <input checked="" type="checkbox"/>
XXX XXX	Approved Mathematical Reasoning Course	3 <input checked="" type="checkbox"/>

<b>TERM II</b>	<b>TOTAL CREDITS: 11</b>	
MFG 131	Machine Trade Printreading II	2 <input checked="" type="checkbox"/>
MFG 228	Machine Operations II	4 <input checked="" type="checkbox"/>
MFG 507	Lean Quality Manufacturing	2 <input checked="" type="checkbox"/>
XXX XXX	Approved Culture Course	3 <input checked="" type="checkbox"/>

<b>TERM III</b>	<b>TOTAL CREDITS: 13</b>	
CAD 180	Intro to Solidworks	2 <input type="checkbox"/>
MFG 233	Machine Operations III	6 <input type="checkbox"/>
MFG 262	Mill Operations Theory	3 <input checked="" type="checkbox"/>
MFG 349	Introduction to CAM	2 <input type="checkbox"/>

<b>TERM IV</b>	<b>TOTAL CREDITS: 13</b>	
AUT 140	Welding for Automotive Mechanics	2 <input type="checkbox"/>
CAD 230	Geometric Dimensioning and Tolerancing	2 <input type="checkbox"/>
MFG 234	Machine Operations IV	6 <input type="checkbox"/>
MFG 254	Engine Lathe Theory	3 <input type="checkbox"/>

<b>TERM V</b>	<b>TOTAL CREDITS: 13</b>	
MFG 235	Machine Operations V	6 <input type="checkbox"/>
MFG 352	CNC Lathe Fundamentals	2 <input type="checkbox"/>
MFG 421	Jig and Fixtures	2 <input type="checkbox"/>
XXX XXX	Approved Communication Course	3 <input type="checkbox"/>

<b>TERM VI</b>	<b>TOTAL CREDITS: 11</b>	
MFG 333	CNC Mill Fundamentals	4 <input type="checkbox"/>
MFG 236	Machine Operations VI	4 <input type="checkbox"/>
OR		
MFG 932	Internship	4 <input type="checkbox"/>
XXX XXX	Approved Scientific Systems Course	3 <input type="checkbox"/>

<b>OPTIONAL COURSE</b>		
BUS 128	Foundation to Entrepreneurship	3 <input type="checkbox"/>

