

WELDING TECHNOLOGY

Some things need heat to spark a solution. So strap on your mask and let's make some welding magic! Send sparks flying with Welding Technology at Indian Hills Community College!

YEAR ONE						
TERM	CLASS	NAME	CREDITS	DAYS	TIME	
FALL	MAT 762	Technical Math for Industry	2	MTWTH	12:20 - 12:55	
	WEL 228	Introduction to Welding, Safety & Health of Welders	1	MTWTH	12:55 - 1:15	
	WEL 254	Welding Inspection and Testing Principles	1	MTWTH	1:15 - 1:35	
	WEL 274	Shielded Metal Arc Welding I	3	MTWTH	1:35 - 3:00	
WINTER	WEL 233	Print Reading and Welding Symbol	3	MTWTH	12:20 - 1:00	
	WEL 245	Gas Metal Arc Welding Spray	2	MTWTH	1:05 - 2:00	
	WEL 244	Gas Metal Arc Welding Short Circuit	2	MTWTH	2:05 - 3:00	
SPRING	WEL 201	Procedures and Qualifications	1	MTWTH	12:20 - 12:40	
	WEL 182	FCAW	2	MTWTH	12:40 - 1:40	
	IND 110	CPR, First Aid and Safety	1	MTWTH	1:40 - 2:00	
	WEL 251	Gas Tungsten Arc Welding for Carbon Steel	2	MTWTH	2:00 - 3:00	

YEAR TWO						
TERM	CLASS	NAME	CREDITS	DAYS	TIME	
FALL	WEL 275	Shielded Metal Arc Welding II	3	MTWTH	12:20 - 2:05	
	WEL 262	Thermal Cutting Processes I	2	MTWTH	2:05 - 3:00	
WINTER	WEL 211	Production Welding Procedures	4	MTWTH	12:00 - 2:15	
	WEL 253	Gas Tungsten Arc Welding for Austenitic Stainless Steel	1	MTWTH	2:15 - 3:00	
SPRING	WEL 174	Advanced Welding Procedures II	3	TWTH	12:30 - 2:20	
	WEL 200	Metallurgy Fundamentals	2	MTWTH	2:20 - 3:00	
	ADM 221	Career Development Skills	2	WWW	WWW	

AWARD: WELDING TECHNICIAN DIPLOMA

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



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.



Welding Technology A.A.S. Curriculum

ASSOCIATE OF APPLIED SCIENCE DEGREE | Location: North Campus | Start Terms: Fall and Spring Terms

TERM I	TOTAL CREDITS: 10	
IND 110	CPR, First Aid and Safety	1 <input checked="" type="checkbox"/>
MAT 762	Technical Math for Industry	2 <input checked="" type="checkbox"/>
WEL 228	Introduction to Welding, Safety & Health of Welders: SENSE 1	1 <input checked="" type="checkbox"/>
WEL 254	Welding Inspection and Testing Principles: SENSE 1	1 <input checked="" type="checkbox"/>
WEL 262	Thermal Cutting Process I-Manual and Mechanized OxyFuel Cutting: SENSE 1	2 <input checked="" type="checkbox"/>
WEL 274	Shielded Metal Arc Welding I: SENSE 1	3 <input checked="" type="checkbox"/>

TERM II	TOTAL CREDITS: 12	
WEL 201	Procedures and Qualifications	1 <input checked="" type="checkbox"/>
WEL 233	Print Reading and Welding Symbol Interpretation: SENSE 1	3 <input checked="" type="checkbox"/>
WEL 244	Gas Metal Arc Welding Short Circuit Transfer: SENSE 1	2 <input checked="" type="checkbox"/>
WEL 251	Gas Tungsten Arc Welding (GTAW) for Carbon Steel: SENSE 1	2 <input checked="" type="checkbox"/>
WEL 253	Gas Tungsten Arc Welding (GTAW) for Austenitic Stainless Steel: SENSE 1	1 <input checked="" type="checkbox"/>
XXX XXX	Approved General Education Elective	3 <input type="checkbox"/>

TERM III	TOTAL CREDITS: 12	
CSC 105	Computer Essentials	1 <input type="checkbox"/>
WEL 174	Advanced Welding Procedures II	3 <input checked="" type="checkbox"/>
WEL 182	FCAW	2 <input checked="" type="checkbox"/>
WEL 275	Shielded Meatal Arc Welding II: SENSE 1	3 <input checked="" type="checkbox"/>
XXX XXX	Approved General Education Elective	3 <input type="checkbox"/>

TERM IV	TOTAL CREDITS: 10	
ADM 221	Career Development Skills	2 <input checked="" type="checkbox"/>
WEL 200	Metallurgy Fundamentals	2 <input checked="" type="checkbox"/>
WEL 211	Production Welding Procedures	4 <input checked="" type="checkbox"/>
OR		
WEL 932	Internship	4 <input type="checkbox"/>
WEL 245	Gas Metal Arc Welding Spray Transfer: SENSE 1	2 <input checked="" type="checkbox"/>

TERM V	TOTAL CREDITS: 12	
AUT 143	Machining for Automotive Mechanics	2 <input type="checkbox"/>
CRR 310	Adapters, Tools and Measurements	1 <input type="checkbox"/>
MFG 203	Manufacturing Processes	3 <input type="checkbox"/>
WEL 710	Robotic Welding	3 <input type="checkbox"/>
XXX XXX	Approved General Education Elective	3 <input type="checkbox"/>

TERM VI	TOTAL CREDITS: 11	
BUS 104	Business Essentials	3 <input type="checkbox"/>
OR		
BUS 102	Introduction to Business	3 <input type="checkbox"/>
MFG 507	Lean Quality Manufacturing	2 <input type="checkbox"/>
WEL 230	Welding Quality Assurance	3 <input type="checkbox"/>
XXX XXX	Approved General Education Elective	3 <input type="checkbox"/>

TERM VII (OPTIONAL)	TOTAL CREDITS: 8	
WEL 308	Pipe Welding/Uphill SMAW	4 <input type="checkbox"/>
WEL 309	Pipe Welding/Downhill SMAW	4 <input type="checkbox"/>

