

ROBOTIC WELDING CERTIFICATE

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The Robotic Welding Certificate provides students with training to become highly skilled welding technicians. Students completing the Robotic Welding Certificate will be prepared to become certified by the American Welding Society (AWS). Upon completion of the certificate, the students may register with an AWS Accredited Test Facility to become certified. Coursework includes Shielded Metal Arc Welding, Gas Tungsten Arc Welding, and Gas Metal Arc Welding as well as Industrial Mechatronics and Robotics.

Manufacturing Engineering Technology

Technical Standards

See here for details.

First Year

First Semester		Hours
AMT 1091	Safety	2
AMT 1092	Rigging	1
MET 1000	Engineering Graphics with AutoCAD	3
WLD 1000	Weld Joint Design and Preparation (1st 8wks)	3
WLD 1100	Shielded Metal Arc Welding (2nd 8wks)	3
WLD 1400	Welding Metallurgy (2nd 8wks)	3
Term Hours		15

Second Semester

IMT 1911	Technical Math I	3
FMS 2130	Industrial Mechatronics and Robotics	3
WLD 1200	Gas Tungsten Arc Welding (1st 8wks)	3
WLD 1300	Gas Metal Arc Welding (2nd 8wks)	3
WLD 2300	Shielded Metal Arc Welding AWS	2
or WLD 2400	Certification	
or WLD 2500	or Gas Tungsten Arc Welding AWS	
	Certification	
	or Gas Metal Arc Welding AWS	
	Certification	
Term Hours		14
Total Hours		29