



Manufacturing Maintenance • Certificate On-Campus

Semester Course Outline • 2025 – 2026

9 Months (2 Semesters) • Revised: 11/25/24
Credits Required for Certificate: 18

Fall Semester

Course Number	Course Title	Clock Hours	Credits
ET 105	OSHA/Safety, Torque Certifications, Valves, and Lifts	84	3
ET 150	Mechanical Drives and Pumps	84	3
AED 100	Automated External Defibrillator	8	.5
HAZ 100	Hazardous Materials Safety	14	.5
WLD 230	Structural Material Welding	56	2
Total		246	9

Spring Semester

Course Number	Course Title	Clock Hours	Credits
EO 103	Fundamentals of Maintenance Operations	84	3
ET 185	Fluid Power	84	3
RBTC 200	Mechanical Design and 3D Modeling A	56	2
RBTC 203	Mechanical Design and 3D Modeling B	28	1
Total		252	9