



# TENNESSEE COLLEGE OF APPLIED TECHNOLOGY

KNOXVILLE

Program	Course Code	Description	Customary Hours
Industrial Maintenance/Mechatronics Technology	IM-0050	Technology Foundations	20
Industrial Maintenance/Mechatronics Technology	IM-0100	Orientation & Safety	6
Industrial Maintenance/Mechatronics Technology	IM-0140	Mechanical Maintenance	226
Industrial Maintenance/Mechatronics Technology	IM-0150	Hydraulics	90
Industrial Maintenance/Mechatronics Technology	IM-0160	Pneumatics	90
Industrial Maintenance/Mechatronics Technology	IM-0340	On-The-Job-Training	0
Industrial Maintenance/Mechatronics Technology	IM-1100	Basic Electricity	124
Industrial Maintenance/Mechatronics Technology	IM-1200	Electric Motor Controls	168
Industrial Maintenance/Mechatronics Technology	IM-1300	Intro to Programmable Logic Controls	60
Industrial Maintenance/Mechatronics Technology	IM-1700	Advanced PLCS I	432
Industrial Maintenance/Mechatronics Technology	IM-1800	Advanced PLCS II	432
Industrial Maintenance/Mechatronics Technology	IM-2300	Intro to Robotics	84
Industrial Maintenance/Mechatronics Technology	IMAC-1000	Orientation	6
Industrial Maintenance/Mechatronics Technology	IMAC-1100	Safety	24
Industrial Maintenance/Mechatronics Technology	IMAC-1200	Refrigeration	54
Industrial Maintenance/Mechatronics Technology	IMAC-1300	Tools & Equipment	96
Industrial Maintenance/Mechatronics Technology	IMAC-1400	Electricity & Controls	86
Industrial Maintenance/Mechatronics Technology	IMAC-1500	Motors	30
Industrial Maintenance/Mechatronics Technology	IMAC-1600	Installation	88
Industrial Maintenance/Mechatronics Technology	IMAC-1700	Refrigeration Certification	18
Industrial Maintenance/Mechatronics Technology	IMAC-2000	Intro to System Service	144
Industrial Maintenance/Mechatronics Technology	IMAC-2100	Basic Automatic Controls	168
Industrial Maintenance/Mechatronics Technology	IMAC-2200	Application of Motors	24
Industrial Maintenance/Mechatronics Technology	IMAC-2300	Domestic Applications	54
Industrial Maintenance/Mechatronics Technology	IMAC-4000	Electricity & Controls	60
Industrial Maintenance/Mechatronics Technology	IMAC-4100	Commercial Refrigeration	258
Industrial Maintenance/Mechatronics Technology	IMMT-0050	Technology Foundations	0
Industrial Maintenance/Mechatronics Technology	IMMT-1000	Practical Safety	0
Industrial Maintenance/Mechatronics Technology	IMMT-3000	Interpret Engineering	0
Industrial Maintenance/Mechatronics Technology	IMMT-4000	Measure/Inspect	0
Industrial Maintenance/Mechatronics Technology	IMMT-5000	Conventional Machining	0
Industrial Maintenance/Mechatronics Technology	IMMT-6000	Manufacturing Metals	0
Industrial Maintenance/Mechatronics Technology	IMMT-7000	Advanced Machining	0
Industrial Maintenance/Mechatronics Technology	IMMT-8000	Cutting Theory	24
Industrial Maintenance/Mechatronics Technology	IMMT-9000	Lathe Intermediate	40
Industrial Maintenance/Mechatronics Technology	IMW-0050	Technology Foundations	40
Industrial Maintenance/Mechatronics Technology	IMW-1000	Shop Orientation & Safety	18
Industrial Maintenance/Mechatronics Technology	IMW-2000	Cutting Processes	80
Industrial Maintenance/Mechatronics Technology	IMW-3000	Shielded Metal Arc Basic	186
Industrial Maintenance/Mechatronics Technology	IMW-4000	Shielded Metal Arc	324
Industrial Maintenance/Mechatronics Technology	IMW-5000	Gas Metal Arc Welding	124
Industrial Maintenance/Mechatronics Technology	IMW-6000	Oxy-Acetylene Welding	100
Industrial Maintenance/Mechatronics Technology	IMW-7000	Blueprint Theory	100
Industrial Maintenance/Mechatronics Technology	IMW-8000	Gas Tungston Arc Welding	324