

Mechatronics

Program

Advanced Manufacturing

Degree Type

Certificate (CER)

Industrial Safety Term

Item #	Title	Credits
ADM 291	MSSC SAFETY	3
INT 101	DC FUNDAMENTALS	3
INT 117	PRINCIPLES OF INDUSTRIAL MECHANICS	3
INT 129	INDUSTRIAL SAFETY AND MAINTENANCE TECHNIQUES	3
	MTH 100 or MTH 110	3

Basic Electricity Term

Item #	Title	Credits
ADM 292	MSSC QUALITY PRACTICES AND MEASUREMENT	3
INT 103	AC FUNDAMENTALS	3
INT 119	PRINCIPLES OF MECHANICAL MEASUREMENT AND TECHNICAL DRAWING	
INT 158	INDUSTRIAL WIRING I	3
ENG 101	ENGLISH COMPOSITION I	3

Industrial Motors Term

Item #	Title	Credits
ADM 293	MSSC MANUFACTURING PROCESSES AND PRODUCTION	3
INT 118	FUNDAMENTALS OF INDUSTRIAL HYDRAULICS AND PNEUMATICS	3
INT 153	PRECISION MACHINING FUNDAMENTALS I	3
INT 206	INDUSTRIAL MOTORS I	3
	Natural Science or Mathematics Elective	3

Industrial Motor Controls Term

Item #	Title	Credits
ADM 294	MSSC MAINTENANCE AWARENESS	3
INT 113	INDUSTRIAL MOTOR CONTROLS I	3
INT 184	INTRODUCTION TO PROGRAMMABLE LOGIC CONTROLLERS	3
INT 215	TROUBLESHOOTING TECHNIQUES	3
	Humanities and Fine Arts Elective	3
	Total Credits	57