

PROGRAM PLANNING GUIDE

**MISSION CRITICAL OPERATIONS
A40430 (Day)**

Replaces Curriculum Schedule with Revision Date: FA2016

Date Revised: FA2017

CURRICULUM BY SEMESTER

			Hours Per Week		
Course No.		Course Title	Class	Lab	Credits
Fall Semester 1					
BAT	117	Principles of Heat and Fluids	3	0	3
ISC	112	Industrial Safety	2	0	2
MCO	110	Intro to MCO	2	2	3
MNT	110	Intro to Maintenance Procedures	1	3	2
ENG	111	Writing and Inquiry	3	0	3
MAT	121	Algebra/Trigonometry I *	2	2	3

Spring Semester 1					
ELC	127	Software for Technicians	1	3	2
ELC	131	Circuit Analysis I	3	3	4
MCO	115	MCO Infrastructures	2	2	3
MNT	222	Industrial Sys Schematics	1	2	2
HUM	110	Technology and Society	3	0	3
Completes requirements for Introduction to MCO Certificate: C40430A					

Summer Semester 1					
PSY	118	Interpersonal Psychology	3	0	3
WBL	112	Work-Based Learning I	0	20	2

Fall Semester 2					
ATR	112	Intro to Automation	2	3	3
BAT	111	Building Automation Systems	1	3	2
ELN	235	Data Communication Systems	3	3	4
ELC	250	Critical Power Systems	3	3	4
MCO	210	Critical Site Operations	2	3	3
Completes requirements for Critical Electrical Systems Certificate: C40430B					

Spring Semester 2					
MCO	260	Critical Facility Infrastructures	3	3	4
MCO	265	Critical Facility Management	3	0	3
MCO	266	ICS Cyber Security	2	3	3
PCI	172	SCADA Systems	3	3	4
ENG	114	Prof Research & Reporting	3	0	3
Completes requirements for Critical Control Systems Certificate: C40430C					
Completes requirements for Mission Critical Operations Certificate: C40430D					

Graduation Requirement Credit Hours: 68

*May substitute MAT 171 for MAT 121