

**PROGRAM PLANNING GUIDE**

**MISSION CRITICAL OPERATIONS  
A40430 (Day)**

Replaces Curriculum Schedule with Revision Date: FA2016

Date Revised: FA2017

**CURRICULUM BY SEMESTER**

Course No.			Course Title			Hours Per Week		
						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	

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	

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	

**Graduation Requirement Credit Hours:** 68

\*May substitute MAT 171 for MAT 121