

PROGRAM PLANNING GUIDE

MISSION CRITICAL OPERATIONS

A40430 (Evening)

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 |
| 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 |

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| Spring Semester 1 | | | | | |
| BAT | 111 | Building Automation Systems | 1 | 3 | 2 |
| ELC | 127 | Software for Technicians | 1 | 3 | 2 |
| ISC | 112 | Industrial Safety | 2 | 0 | 2 |
| MCO | 115 | MCO Infrastructures | 2 | 2 | 3 |

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| Summer Semester 1 | | | | | |
| HUM | 110 | Technology and Society | 3 | 0 | 3 |
| PSY | 118 | Interpersonal Psychology | 3 | 0 | 3 |

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| Fall Semester 2 | | | | | |
| ELC | 131 | Circuit Analysis I | 3 | 3 | 4 |
| MAT | 121 | Algebra/Trigonometry I * | 2 | 2 | 3 |

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| Spring Semester 2 | | | | | |
| ELC | 250 | Critical Power Systems | 3 | 3 | 4 |
| ELN | 235 | Data Communication Systems | 3 | 3 | 4 |

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| Summer Semester 2 | | | | | |
| MNT | 222 | Industrial Sys Schematics | 1 | 2 | 2 |
| ENG | 114 | Prof Research & Reporting | 3 | 0 | 3 |

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| Fall Semester 3 | | | | | |
| ATR | 112 | Intro to Automation | 2 | 3 | 3 |
| MCO | 210 | Critical Site Operations | 2 | 3 | 3 |

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| Spring Semester 3 | | | | | |
| MCO | 260 | Critical Facility Infrastructures | 3 | 3 | 4 |
| MCO | 266 | ICS Cyber Security | 2 | 3 | 3 |

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| Summer Semester 3 | | | | | |
| MCO | 265 | Critical Facility Management | 3 | 0 | 3 |
| PCI | 172 | SCADA Systems | 3 | 3 | 4 |

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| Fall Semester 4 | | | | | |
| WBL | 112 | Work-Based Learning I | 0 | 20 | 2 |

Graduation Requirement Credit Hours: 68

*May substitute MAT 171 for MAT 121