

# Early College Career Pathway

## MECHATRONICS/ ADVANCED MANUFACTURING

### STEP ONE

#### CHOOSE YOUR EARLY COLLEGE PATHWAY COURSES

- |                          |                          |   |
|--------------------------|--------------------------|---|
| <input type="checkbox"/> | <input type="checkbox"/> | AMT 105 Robotics and Automated Control I                            |
| <input type="checkbox"/> | <input type="checkbox"/> | AMT 205 Robotics and Automated Control II                           |
| <input type="checkbox"/> | <input type="checkbox"/> | CIM 131 Computer Integrated Manufacturing (PLTW*)                   |
| <input type="checkbox"/> | <input type="checkbox"/> | EET 140 Digital Electronics (PLTW*)                                 |
| <input type="checkbox"/> | <input type="checkbox"/> | EGT 152 Fundamentals of CAD (PLTW*)                                 |
| <input type="checkbox"/> | <input type="checkbox"/> | EGR 130 Engineering Technology Applications and Programming (PLTW*) |
| <input type="checkbox"/> | <input type="checkbox"/> | IMT 131 Hydraulics and Pneumatics                                   |
| <input type="checkbox"/> | <input type="checkbox"/> | EET 113 Electrical Circuits I                                       |
| <input type="checkbox"/> | <input type="checkbox"/> | IMT 210 Basic Industrial Skills I OR                                |
| <input type="checkbox"/> | <input type="checkbox"/> | AMT 155 Principles of Maintenance                                   |
| <input type="checkbox"/> | <input type="checkbox"/> | IMT 211 Basic Industrial Skills I OR                                |
| <input type="checkbox"/> | <input type="checkbox"/> | AMT 160 Principles of Quality and Continuous Improvement            |

### STEP TWO

#### CHOOSE YOUR GENERAL EDUCATION TRANSFER COURSES

- |                          |                          |  |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | ENG 101 Intro to Composition I         |
| <input type="checkbox"/> | <input type="checkbox"/> | ENG 102 Intro to Composition II        |
| <input type="checkbox"/> | <input type="checkbox"/> | MAT 110 College Algebra                |
| <input type="checkbox"/> | <input type="checkbox"/> | MAT 111 College Trigonometry           |
| <input type="checkbox"/> | <input type="checkbox"/> | MAT 120 Probability and Statistics     |
| <input type="checkbox"/> | <input type="checkbox"/> | HIS 101 Western Civilization to 1689   |
| <input type="checkbox"/> | <input type="checkbox"/> | HIS 102 Western Civilization Post 1689 |
| <input type="checkbox"/> | <input type="checkbox"/> | PSY 201 General Psychology             |
| <input type="checkbox"/> | <input type="checkbox"/> | BIO 101 Biological Science I           |
| <input type="checkbox"/> | <input type="checkbox"/> | BIO 102 Biological Science II          |
| <input type="checkbox"/> | <input type="checkbox"/> | ECO 210 Macroeconomics                 |
| <input type="checkbox"/> | <input type="checkbox"/> | MUS 105 Music Appreciation             |
| <input type="checkbox"/> | <input type="checkbox"/> | ART 101 Art History and Appreciation   |
| <input type="checkbox"/> | <input type="checkbox"/> | SOC 101 Intro to Sociology             |
| <input type="checkbox"/> | <input type="checkbox"/> | PSC 201 American Government            |
| <input type="checkbox"/> | <input type="checkbox"/> | CPT 170 Microcomputer Applications     |
| <input type="checkbox"/> | <input type="checkbox"/> | CPT 101 Intro to Computers             |
| <input type="checkbox"/> | <input type="checkbox"/> | SPC 205 Public Speaking                |

#### AND/OR GENERAL EDUCATION PROGRAM-SPECIFIC COURSES

- |                          |                          |                                       |
|--------------------------|--------------------------|---------------------------------------|
| <input type="checkbox"/> | <input type="checkbox"/> | ENG 160 Technical Communications      |
| <input type="checkbox"/> | <input type="checkbox"/> | HSS 101 Introduction to Humanities OR |
| <input type="checkbox"/> | <input type="checkbox"/> | HSS 105 Technology and Culture        |
| <input type="checkbox"/> | <input type="checkbox"/> | MAT 101 Beginning Algebra OR Higher   |
| <input type="checkbox"/> | <input type="checkbox"/> | MAT 102 Intermediate Algebra          |
| <input type="checkbox"/> | <input type="checkbox"/> | PSY 103 Human Relations               |

### STEP THREE

#### CHOOSE AN OCTECH PROGRAM

- |                          |                          |  |
|--------------------------|--------------------------|--|
| <input type="checkbox"/> | <input type="checkbox"/> | Associate of Applied Science, Major in Mechatronics                |
| <input type="checkbox"/> | <input type="checkbox"/> | Associate of Applied Science, Major in Industrial Electronics      |
| <input type="checkbox"/> | <input type="checkbox"/> | Industrial Electrician Certificate                                 |
| <input type="checkbox"/> | <input type="checkbox"/> | Basic Industrial Maintenance Certificate                           |
| <input type="checkbox"/> | <input type="checkbox"/> | Industrial Maintenance Mechanical and Electrical I, II Certificate |
| <input type="checkbox"/> | <input type="checkbox"/> | Mechatronics-Fundamentals Certificate                              |
| <input type="checkbox"/> | <input type="checkbox"/> | Mechatronics-Automated Controls Certificate                        |
| <input type="checkbox"/> | <input type="checkbox"/> | Mechatronics-Advanced Automated Systems Certificate                |

### STEP FOUR 4-YEAR COLLEGE PATHWAY

- University of South Carolina's Palmetto College
- South Carolina State University (see your advisor)
- another 4-year college

\* Project Lead The Way Core Courses Transfer to Public Universities Schools of Engineering

REACH HIGHER. ARRIVE SOONER.  
**Early College**  
Orangeburg-Calhoun Technical College

FOR MORE INFORMATION CONTACT:  
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