



# TECHNICAL CAREERS ADVANCED OPPORTUNITIES

2015-2016 School Year

Please check our website often for additions, subtractions and requirement modifications of articulated courses available at your participating high school.

[http://www.eitc.edu/techprep\\_highschools.cfm](http://www.eitc.edu/techprep_highschools.cfm)

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# Advanced Opportunities

## Technical Careers High School 2015-2016 School Year



### Welding

| HS COURSE #<br>(from Titles<br>and Codes) | HS COURSE TITLE                       | COURSE<br>LENGTH | COLLEGE<br>COURSE #                   | COLLEGE COURSE TITLE  | CREDITS    |
|---|---------------------------------------|------------------|---------------------------------------|---|------------|
| TI 1401<br><b>AND</b><br>TI 1402          | Welding I<br><b>AND</b><br>Welding II | 1 Semester       |                                       |   |            |
| TI 1403                                   | Welding III                           | 1 Semester       | WLD 104*<br><b>AND/OR</b><br>WLD 118* | Oxy-Acetylene Cutting and<br>Welding<br><br>Basic Arc Welding | 2<br><br>4 |

\*Hands-on skill assessment will be given to determine credits earned.

### Automotive Technology

| HS COURSE #<br>(from Titles<br>and Codes) | HS COURSE TITLE   | COURSE<br>LENGTH             | COLLEGE<br>COURSE # | COLLEGE COURSE TITLE                                 | CREDITS |
|---|---|------------------------------|---------------------|--|---------|
| TI 0201<br><b>AND</b><br>TI 0202          | Automotive Technology<br>Level I<br><b>AND</b><br>Automotive Technology<br>Level II | 1 Semester<br><br>1 Semester |                     |  |         |
| TI 0203                                   | Automotive Technology Level III   | 1 Semester                   | ASE 151<br>MTD 101  | Automotive Brake Systems *<br>MTD Industrial Safety* | 2<br>3  |

\*The high school instructor will verify student's knowledge and skills before credit is awarded.

### Health Professions

| HS COURSE #<br>(from Titles<br>and Codes) | HS COURSE TITLE                                | COURSE<br>LENGTH | COLLEGE<br>COURSE # | COLLEGE COURSE TITLE                  | CREDITS |
|---|--|------------------|---------------------|---------------------------------------|---------|
| PTEH301                                   | Fundamentals for Health<br>Professions* (IDLA) | 1 Semester       | HCT 100             | Introduction to Health<br>Professions | 2       |
| PTEH303                                   | Medical Terminology for<br>Healthcare* (IDLA)  | 1 Semester       | HCT 101             | Medical Terminology                   | 2       |

# Advanced Opportunities

## Technical Careers High School 2015-2016 School Year



### Auto Collision Repair and Refinishing

| HS COURSE # (from Titles and Codes) | HS COURSE TITLE                    | COURSE LENGTH | COLLEGE COURSE # | COLLEGE COURSE TITLE               | CREDITS |
|-------------------------------------|------------------------------------|---------------|------------------|------------------------------------|---------|
| TI0101                              | Collision and Refinishing I<br>AND | 1 sem         | ACRR0146         | Intro to Auto Collision & Refinish | 8       |
| TI0102                              | Collision and Refinishing II       | 2 sem         |                  |                                    |         |
| TI0103                              | Collision and Refinishing III      | 2 sem         | ACRR0147         | Minor Collision Repair & Refinish  | 8       |

### Electronics

| HS COURSE # (from Titles and Codes)   | HS COURSE TITLE            | COURSE LENGTH | COLLEGE COURSE # | COLLEGE COURSE TITLE     | CREDITS |
|---|----------------------------|---------------|------------------|--------------------------|---------|
| TI0501  | Electronics Technology I   | 1 sem         | ESET 0103        | Intro to Electronics     | 1       |
|   |                            |               | ESET 0103L       | Intro to Electronics Lab | 1       |
| TI0502  | Electronics Technology II  | 1 year        | ESET 0104        | DC Electronics Theory    | 2       |
|   |                            |               | ESET 0104L       | DC Electronics Lab       | 2       |
| TI0503  | Electronics Technology III | 1 year        | ESET 0105        | AC Electronics Theory    | 4       |
|   |                            |               | ESET 0105L       | AC Electronics Lab       | 2       |
| <b>Successful Completion (75% or higher) of ISU Electronics Articulation Test</b><br>(Bypass 1 <sup>st</sup> Semester of Core Curriculum) |                            |               | ESET 0103/0103L  |                          | (2)     |
|   |                            |               | ESET 0104/0104L  |                          | (4)     |
|   |                            |               | ESET 0105/0105L  |                          | (6)     |
|   |                            |               | ESET 0106        |                          | 2       |

**\*The above courses are also equivalent to the 1<sup>st</sup> semester core of the Robotics and Communication Systems Engineering Technology program**

**RECT 0141- Applied Mathematics 1-4cr**

**RCET 0153- Electronics Theory – 5cr**

**RCET 0155- Electronics Lab – 5cr**

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### Construction/Drafting

| HS COURSE # (from Titles and Codes) | HS COURSE TITLE              | COURSE LENGTH | COLLEGE COURSE # | COLLEGE COURSE TITLE           | CREDITS |
|-------------------------------------|------------------------------|---------------|------------------|--------------------------------|---------|
| TI 1101                             | Residential Construction I   |               | CARP 141         | Intro to Residential Carpentry | 3       |
| TI 1102                             | Residential Construction II  |               |                  |                                |         |
| TI 1103                             | Residential Construction III |               | CARP 142         | Safe & Savvy Tool Use          | 3       |