

Welding

Center for Innovative Technologies Division 2016-2017 Curriculum

| Course | Title | Prerequisites | Lec | Lab | Credit Hours |
|------------|--|---------------|-----|-----|--------------|
| Semester 1 | | | | | |
| FYE-1XX | First Year Experience | | 1 | 0 | 1 |
| PSY-1XX | Psychology Elective | | 3 | 0 | 3 |
| WLD-100 | Fundamentals of Welding | | 2 | 3 | 3 |
| WLD-105 | Print Reading & Weld Design | | 2 | 2 | 3 |
| XXX-XXX | Humanities or Natural Science Elective | ENG 101 | 3 | 0 | 3 |
| | | | | | 13 |

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|------------|---------------------------------------|------------------|---|---|----|
| Semester 2 | | | | | |
| EET-101 | Electronic Fundamentals 1 | See Catalog | 2 | 3 | 3 |
| MAT-121 | Tech Algebra & Geometry w/ Statistics | | 2 | 2 | 3 |
| WLD-110 | Shielded Metal Arc Welding | WLD 100 | 2 | 6 | 4 |
| WLD-120 | Gas Metal Arc Welding | WLD 100, WLD 110 | 2 | 6 | 4 |
| | | | | | 14 |

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|------------|--|------------------|---|---|----|
| Semester 3 | | | | | |
| ENG-101 | English Composition 1 | | 3 | 0 | 3 |
| MET-1XX | Mechanical Engineering Technology Elective | | 2 | 3 | 3 |
| WLD-130 | Flux Cored Arc Welding | WLD 100, WLD 110 | 2 | 6 | 4 |
| WLD-210 | Gas Tungsten Arc Welding | WLD 120, WLD 130 | 2 | 6 | 4 |
| | | | | | 14 |

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| Semester 4 | | | | | |
| WLD-291 | Full-Time Cooperative Education 1: WLD | | 1 | 40 | 2 |
| | | | | | 2 |

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| Semester 5 | | | | | |
| ENG-10X | English Composition Elective | ENG 101 | 3 | 0 | 3 |
| MET-140 | Engineering Materials | MET 111, & MAT 121 or MAT 125 | 2 | 2 | 3 |
| WLD-220 | Metal Fabrication | MET 111, WLD 105 | 2 | 3 | 3 |
| WLD-230 | Pipe Welding | WLD 210 | 2 | 6 | 4 |
| WLD-250 | Welding Inspection and Certification | WLD 210 | 2 | 3 | 3 |
| | | | | | 16 |

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|------------|--|---------|---|----|----|
| Semester 6 | | | | | |
| WLD-292 | Full-Time Cooperative Education 2: WLD | WLD 291 | 1 | 40 | 2 |
| | | | | | 2 |
| Total | | | | | 61 |

English Comp. Elective: ENG 102, ENG 104, ENG 105

First Year Experience Elective: FYE 100, FYE 105, FYE 110

Humanities Elective: Any ART, FRN, LIT, MUS, PHI, POL, REL, SPN, THE

Mechanical Engineering Technology Elective: MET 111, MET 131

Natural Science Elective: Any CHE, EVS, PHY, PSC

Psychology Elective: PSY 100, PSY 102, PSY 110