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| JJC Logo Primary_black.jpg | **2019-2020 Completion Guide**  **Welding Technology, A.A.S., TE976**  **ICCB Approved Total Program Hours: 68** |
| Date: September 1, 2019 | *The following schedule is based on full-time enrollment. Students planning to transfer to a senior institution should check with that institution for specific transfer requirements.* |
| Program Prerequisites | *High School Diploma or equivalent* |

**T= Traditional H = Hybrid W = Web**

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| **First Semester** | | | | | | |
| Course | Title | Credit Hours | Mode of Delivery | Prerequisites | Terms offered | Notes |
| WLDG 101 | Intro to the Welding Processes | 3 | T | None | Fall  Spring | First Eight Weeks |
| WLDG 110 | SMAW Flat and Horizontal | 3 | T | WLDG 101 | Fall  Spring | Second Eight Weeks |
| MFG 115 | Blueprint Reading | 3 | T | None | Fall  Spring |  |
| MFG 120 | Metallurgy | 3 | T | None | Fall  Spring |  |
| ENG 101 or 130 | English | 3 | T |  |  |  |
|  | Total Semester Hours | 15 |  |  |  |  |

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| **Second Semester** | | | | | | |
| Course | Title | Credit Hours | Mode of Delivery | Prerequisites | Terms offered | Notes |
| WLDG 120 | SMAW Vertical and Overhead | 3 | T | WLDG 110 | Fall  Spring |  |
| Soc.Sci elective | From Group II in Catalog | 3 | T |  | Fall  spring |  |
| IMT 122 | Industrial Piping Systems | 3 | T | None | Fall Spring |  |
| TMAT 107 | Technical Math I | 3 | T |  | Fall Spring |  |
| MFG 101 | Precision Machine Tool Tech. | 4 | T | None | Fall Spring |  |
| EGR 100 | Intro to Engineering Graphics | 1 | T | None | Fall  Spring | Whenever enough students need to take class |
|  | Total Semester Hours | 17 |  |  |  |  |

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| **Third Semester** | | | | | | |
| Course | Title | Credit Hours | Mode of Delivery | Prerequisites | Terms offered | Notes |
| WLDG 162 | GTAW | 3 | T | WLDG 101, MFG 115, MFG 120 | Fall Spring |  |
| WLDG 166 | GTAW Pipe | 3 | T | WLDG 162 | Fall Spring |  |
| WLDG 140 | GMAW | 3 | T | WLDG 101, MFG 115, MFG 120 | Fall Spring |  |
| WLDG 141 | FCAW | 3 | T | WLDG 140 | Fall Spring |  |
| TMAT 108 | Technical Math II | 3 | T |  | Fall Spring |  |
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| WLDG 142 | GMAW Pipe | 3 | T | WLDG 140 |  |  |
|  | Total Semester Hours | 19 |  |  |  |  |

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| **Fourth Semester** | | | | | | |
| Course | Title | Credit Hours | Mode of Delivery | Prerequisites | Terms offered | Notes |
| WLDG 170 | SMAW Pipe I 6g Pre.Cert. | 3 | T | WLDG 120 | Spring |  |
| WLDG 172 | SMAW PipeII 6gCertification | 3 | T | WLDG 170 |  |  |
| MGMT 103 | Occupational Safety and Health | 3 | T | None | Spring |  |
| CIS 126 | Microsoft Office | 3 | H W | None | Fall  Spring |  |
| CADD 101 | 2D computer Aided Design and Drafting | 3 | T | None | Fall  Spring |  |
| WLDG 299 | Special Topics in Welding | 3 | T | WLDG 172 | Fall  Spring |  |
|  | Total Semester Hours | 18 |  |  |  |  |

**Graduation Requirements**

To be awarded an Associate degree at Joliet Junior College, each student must meet the following requirements:

1. Satisfy all admission requirements.

2. Complete the courses required to earn the given degree. If the student is a transfer student with coursework taken elsewhere, he/she must complete a minimum of 60 credit hours of which 15 credit hours applicable to the degree are earned at JJC. Proficiency test, CLEP and Advanced Placement does not meet this requirement.

3. Earn a cumulative grade-point-average of at least 2.0.

4. Discharge all financial obligations to the College; have no restrictions.

5. File an application for graduation. (An application should be filed at the time of registration for the student’s anticipated last semester.)

6. Have all official transcripts from other colleges/universities on file in the Graduation Office by the graduation filing date for evaluation of credit. A delay in the process may result in a later graduation date.

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| For more information: | **Department Chairperson** | **Program Coordinator** | **Program Advisor** |
| Name: Jeff Bradford | Name: Greg Foster | Name: Greg Foster |
| E-mail: jbradford@jjc.edu | E-mail: gfoster@jjc.edu | E-mail: gfoster@jjc.edu |
| Phone: 815.280.2403 | Phone: 815.280.2873 | Phone: 815.280.2873 |