## **WELDING, A.A.S.**

| Description                      | Course                             | Title  | Hours |
|--|------------------------------------|--|-------|
| MED 102         INTRODUCTORY CRAFT SKILLS 1-2         2           WELD 111         BASIC CAYACETYLENE WELDING         3           WELD 150         WELDING THEORY         1           WELD 160         WELDING BLUEPRINT READING         2           WELD 121         BASIC SHIELDED METAL ARC(SMAW)         3           Journal Markety Reasoning (https://wwwp-public.courseled Corn/programs-study/general-education-mission/#gr) (Math 125 Preferred)         34           Semester 2           WELD 131         BASIC GAS TUNGSTEN ARC (GTAW) 1-3         3           WELD 133         BASIC GAS METAL ARC WELD(CRAW) 1-3         3           WELD 129         WELD 103 (MELD 103 (M  | Semester 1                         |  |       |
| RELD 111   BASIC OXYACETYLENE WELDING   3   1   1   1   1   1   1   1   1   1  | COLL 101                           | ORIENTATION TO COLLEGE   | 1     |
| MELD 171   MELD 172   MELDING THEORY   12   12   13   13   13   13   13   13   | MTEC 102                           | INTRODUCTORY CRAFT SKILLS <sup>1,2</sup>   | 2     |
| #ELD 160 WELD ING BLUEPRINT READING 2  #ELD 121 BASIG SHELDED METAL ARIC(SMAW)  auanitative Reasoning (https://wwup-public.courseleaf.com/programs-study/general-education-mission/#qr) (Math 125 Preferred) 34  #Hours 15-16  #Hours 15-16  #HOURS 11-16  #HOURS 11-16  #MELD 131 BASIG GAS TUNGSTEN ARC (GTAW) 1-3  #WELD 133 BASIC GAS TUNGSTEN ARC (GTAW) 1-3  #WELD 134 BASIC GAS METAL ARC WELD(FCAW) 1-3  #WELD 135 BASIC GAS METAL ARC WELD(FCAW) 1-3  #WELD 136 BASIC GAS METAL ARC WELD(FCAW) 1-3  #WELD 137 WELD 1014 BASIC GAS METAL ARC WELD(FCAW) 1-3  #WELD 279 WELDING INSPECTION 2  #WELD 270 MOUNT ARC WELD WELDING INSPECTION 30  #WELD 271 ADV SHELDED METAL ARC (SMAW) 1-3  #WELD 281 ADV SHELDED METAL ARC (SMAW) 1-3  #WELD 291 ADV GAS TUNGSTEN ARC (GTAW) 1-3  #WELD 291 ADV GAS TUNGSTEN ARC (GTAW) 1-3  #WELD 291 ADV GAS TUNGSTEN ARC (GTAW) 1-3  #WELD 291 ACHIEVE ARC (SMAW) 1-3  #WELD 291                  | WELD 111                           | BASIC OXYACETYLENE WELDING   | 3     |
| RELD 121   BASIC SHIELDED METAL ARC (SMAW)   3.4   | WELD 171                           | WELDING THEORY   | 1     |
| ### ### ### ### ### ### ### ### ### ##   | WELD 160                           | WELDING BLUEPRINT READING  | 2     |
| Hours   Hour                   | WELD 121                           | BASIC SHIELDED METAL ARC(SMAW)   | 3     |
| ### BASIC GAS TUNGSTEN ARC (GTAW) 1-3   3   3   3   3   3   3   3   3   3  | Quantitative Reasoning (https://   | /wvup-public.courseleaf.com/programs-study/general-education-mission/#qr) (Math 125 Preferred) | 3-4   |
| MELD 131   BASIC GAS TUNGSTEN ARC (GTAW) 1.3   3   3   3   3   3   3   3   3   3   |                                    | Hours  | 15-16 |
| MELD 133   BASIC FLUX CORE ARC WELD (FCAW)   1.3   | Semester 2                         |  |       |
| MELD 134   BASIC GAS METAL ARC WELD (GMAW) 1.3   3   3   3   3   3   3   3   3   3   | WELD 131                           | BASIC GAS TUNGSTEN ARC (GTAW) 1,3  | 3     |
| WELD 279 WELD INS INSPECTION 2 Writing and Rhetoric (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#wr) (ENGL 107 Preferred) 3  **MELD 261 STEEL FABRICATION 3 WELD 221 ADV SHIELDED METAL ARC (SMAW) 1.3 3 WELD 122 ADV GAS TUNGSTEN ARC (GTAW) 1.3 3 WELD 123 ADV GAS TUNGSTEN ARC (GTAW) 1.3 3 WELD 129 ADV GAS TUNGSTEN ARC (GTAW) 1.3 3  **Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca) Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  **Beelect one of the following. 3  **Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  **Beelect one of the following, not already taken: 3  **Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  **Beelect one of the following, not already taken: 3  **Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  **Beelect one of the following, not already taken: 3  **Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  **Beelect one of the following, not already taken: 3  **Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  **Beelect one of the following, not already taken: 3  **Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  **Beelect one of the following, not already taken: 3  **Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  **Beelect one of the following, not already taken: 3  **Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  **Beele                 | WELD 133                           | BASIC FLUX CORE ARC WELD(FCAW) 1,3   | 3     |
| Writing and Rhetoric (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#wr) (ENGL 107 Preferred)  Hours  Hours  Semester 3  WELD 261  ADV SHIELDED METAL ARC (SMAW) 1.3  WELD 221  ADV SHIELDED METAL ARC (SMAW) 1.3  WELD 132  ADV GAS TUNGSTEN ARC (GTAW) 1.3  Scientific Inquiry (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#si) Elective  Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  Hours                   | WELD 134                           | BASIC GAS METAL ARC WELD(GMAW) 1,3   | 3     |
| Hours  Hours  Semester 3  WELD 261 STEEL FABRICATION 3  WELD 221 ADV SHIELDED METAL ARC (SMAW) 1.3  WELD 221 ADV GAS TUNGSTEN ARC (GTAW) 1.3  Scientific Inquiry (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#si) Elective 4  Select one of the following: 3  Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)  Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  People and Their Worlds (https://wwup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  16  Semester 4  Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)  Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)  Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca  Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca  Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.c                 | WELD 279                           | WELDING INSPECTION   | 2     |
| Semester 3  WELD 261 STEEL FABRICATION   | Writing and Rhetoric (https://wv   | /up-public.courseleaf.com/programs-study/general-education-mission/#wr) (ENGL 107 Preferred)   | 3     |
| MELD 261 STEEL FABRICATION 3 MELD 221 ADV SHIELDED METAL ARC (SMAW) 1.3 3 MELD 132 ADV GAS TUNGSTEN ARC (GTAW) 1.3 3 Scientific Inquiry (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#si) Elective 4 Select one of the following. 3 Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca) Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci) People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  Hours 16 Semester 4 Select one of the following, not already taken: 3 Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca) Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca) Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci) People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci) WELD 135 ADV GAS METAL ARC WELD (GMAW) 1.3 3 WELD 136 ADV FLUX CORE ARC WELD (GMAW) 1.3 3 WELD 136 ADV FLUX CORE ARC WELD (GNAW) 1.3 3 WELD 136 WELD 136 WELDING CAPSTONE 4 2 Fee Elective 10 Hours 15   |                                    | Hours  | 14    |
| MELD 221 ADV SHIELDED METAL ARC (SMAW) <sup>1,3</sup> MELD 132 ADV GAS TUNGSTEN ARC (GTAW) <sup>1,3</sup> Scientific Inquiry (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#si) Elective  4 Select one of the following:  Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)  Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci)  People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  16  Semester 4  Select one of the following, not already taken:  Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)  Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)  Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci)  People and Their Worlds (https://wvup-public.courseleaf.co | Semester 3                         |  |       |
| ADV GAS TUNGSTEN ARC (GTAW) <sup>1,3</sup> Scientific Inquiry (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#si) Elective  ABLECT one of the following:  Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)  Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci)  People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  Femester 4  Select one of the following, not already taken:  Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)  Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)  Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci)  People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci)  People and T        | WELD 261                           | STEEL FABRICATION  | 3     |
| Scientific Inquiry (https://wwup-public.courseleaf.com/programs-study/general-education-mission/#si) Elective  Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca) Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci) People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  Hours  Hours  16 Semester 4 Select one of the following, not already taken: Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca) Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca) Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci) People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw) WELD 135  ADV GAS METAL ARC WELD (GMAW) <sup>1,3</sup> WELD 136  ADV FLUX CORE ARC WELD (FCAW) <sup>1,3</sup> WELD 291  FABRICATION SHOP  WELD 291  FABRICATION SHOP  WELD 36  WELD 37  WELD 36  WELD 37  WELD 36  WELD 36  WELD 36  WELD 37  WELD 36  WELD 36 | WELD 221                           | ADV SHIELDED METAL ARC (SMAW) 1,3  | 3     |
| Select one of the following:  Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)  Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci)  People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  Hours  Hours  16  Semester 4  Select one of the following, not already taken:  Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)  Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci)  People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  WELD 135  ADV GAS METAL ARC WELD (GMAW) <sup>1,3</sup> WELD 136  ADV FLUX CORE ARC WELD (FCAW) <sup>1,3</sup> WELD 291  FABRICATION SHOP  WELD 290  WELDING CAPSTONE <sup>4</sup> 15  Hours  Hours  15  | WELD 132                           | ADV GAS TUNGSTEN ARC (GTAW) 1,3  | 3     |
| Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)  Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)    People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)    Hours   | Scientific Inquiry (https://wvup-p | public.courseleaf.com/programs-study/general-education-mission/#si) Elective                   | 4     |
| Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci) People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  Hours  Hours  16 Semester 4 Select one of the following, not already taken:  Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca) Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci) People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  WELD 135  ADV GAS METAL ARC WELD (GMAW) 1.3  3  WELD 136  ADV FLUX CORE ARC WELD (FCAW) 1.3  3  WELD 291  FABRICATION SHOP  WELD 260  WELDING CAPSTONE 4  2  Free Elective  Hours  15   | Select one of the following:       |  | 3     |
| People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  Hours  16 Semester 4 Select one of the following, not already taken:  Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca) Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci) People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  WELD 135  ADV GAS METAL ARC WELD (GMAW) 1.3  WELD 136  ADV FLUX CORE ARC WELD (FCAW) 1.3  WELD 291  FABRICATION SHOP  WELD 260  WELDING CAPSTONE 4  2  Free Elective  Hours  Hours  | Aesthetics, Creativity, and Ap     | ppreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca) |       |
| Hours  Femester 4  Select one of the following, not already taken:  Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)  Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci)  People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  WELD 135  ADV GAS METAL ARC WELD (GMAW) 1,3  WELD 136  ADV FLUX CORE ARC WELD (FCAW) 1,3  WELD 291  FABRICATION SHOP  WELD 290  WELDING CAPSTONE 4  Teree Elective  Hours  Hours  | Human Communication and            | Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci) |       |
| Select one of the following, not already taken:  Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)  Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci)  People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  WELD 135  ADV GAS METAL ARC WELD (GMAW) 1,3  WELD 136  ADV FLUX CORE ARC WELD (FCAW) 1,3  WELD 291  FABRICATION SHOP  WELD 290  WELDING CAPSTONE 4  2  Free Elective  Hours  Hours   | People and Their Worlds (htt       | tps://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)                |       |
| Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)  Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci)  People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  WELD 135 ADV GAS METAL ARC WELD (GMAW) <sup>1,3</sup> 3  WELD 136 ADV FLUX CORE ARC WELD (FCAW) <sup>1,3</sup> 3  WELD 291 FABRICATION SHOP 3  WELD 290 WELDING CAPSTONE <sup>4</sup> 2  Free Elective Hours 15   |                                    | Hours  | 16    |
| Aesthetics, Creativity, and Appreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca)  Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci)  People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  WELD 135 ADV GAS METAL ARC WELD (GMAW) 1,3 3  WELD 136 ADV FLUX CORE ARC WELD (FCAW) 1,3 3  WELD 291 FABRICATION SHOP 3  WELD 291 WELD 1050 WELDING CAPSTONE 4 2  Free Elective 1  Hours 15   | Semester 4                         |  |       |
| Human Communication and Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci)  People and Their Worlds (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  WELD 135 ADV GAS METAL ARC WELD (GMAW) 1,3  WELD 136 ADV FLUX CORE ARC WELD (FCAW) 1,3  WELD 291 FABRICATION SHOP  WELD 291 FABRICATION SHOP  WELD 260 WELDING CAPSTONE 4  2 Seree Elective  Hours  Hours  | Select one of the following, not a | already taken:   | 3     |
| People and Their Worlds (https://wwup-public.courseleaf.com/programs-study/general-education-mission/#ptw)  WELD 135 ADV GAS METAL ARC WELD (GMAW) <sup>1,3</sup> WELD 136 ADV FLUX CORE ARC WELD (FCAW) <sup>1,3</sup> WELD 291 FABRICATION SHOP  WELD 260 WELDING CAPSTONE <sup>4</sup> 2  Free Elective  Hours  Hours   | Aesthetics, Creativity, and Ap     | ppreciation (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#aca) |       |
| WELD 135         ADV GAS METAL ARC WELD (GMAW) 1.3         3           WELD 136         ADV FLUX CORE ARC WELD (FCAW) 1.3         3           WELD 291         FABRICATION SHOP         3           WELD 260         WELDING CAPSTONE 4         2           Free Elective         1           Hours         15   | Human Communication and            | Interaction (https://wvup-public.courseleaf.com/programs-study/general-education-mission/#hci) |       |
| WELD 136         ADV FLUX CORE ARC WELD (FCAW) 1.3         3           WELD 291         FABRICATION SHOP         3           WELD 260         WELDING CAPSTONE 4         2           Free Elective         1           Hours         15  | People and Their Worlds (http      | tps://wvup-public.courseleaf.com/programs-study/general-education-mission/#ptw)                |       |
| WELD 291         FABRICATION SHOP         3           WELD 260         WELDING CAPSTONE 4         2           Free Elective         1           Hours         15   | WELD 135                           | ADV GAS METAL ARC WELD (GMAW) 1,3  | 3     |
| WELD 260         WELDING CAPSTONE 4         2           Free Elective         1           Hours         15   | WELD 136                           | ADV FLUX CORE ARC WELD (FCAW) 1,3  | 3     |
| WELD 260         WELDING CAPSTONE 4         2           Free Elective         1           Hours         15   | WELD 291                           | FABRICATION SHOP   | 3     |
| Hours 15   | WELD 260                           | WELDING CAPSTONE 4   | 2     |
|  | Free Elective                      |  | 1     |
| Total Hours 60-61  |                                    | Hours  | 15    |
|  |                                    | Total Hours  | 60-61 |

<sup>&</sup>lt;sup>1</sup> Milestone Course

NCCER Core

<sup>3</sup> AWS Certificate

Capstone Course