



Welding Technology Associate of Applied Science

Program Summary Certifications Associate of Applied Science

The Welding Program provides state-of-the-art training for new students as well as those individuals wanting to improve their skills. Partnering with nationally recognized Lincoln Electric allows students to receive the highest quality training and mastery of essential job skills.

| AAS 6072 Welding Technology Associate of Applied Science 60 Hours | | TSI Required |
|---|---|---------------------|
| Basic Arc Welding Skills Certificate (16 hours) | | |
| CC 6075 | Certificate of Completion | TSI Waived |
| WLDG 1413 | Intro to Blueprint Reading for Welders | 4 |
| WLDG 1428 | Intro to Shielded Metal Arc Welding | 4 |
| WLDG 1430 | Intro to Gas Metal Arc Welding | 4 |
| WLDG 1457 | Intermediate Shielded Metal Arc Welding | 4 |
| Semi-Automatic Welding Certificate (16 Hours) | | |
| CC 6074 | Certificate of Completion | TSI Waived |
| WLDG 1412 | Intro to Flux Core Arc Welding | 4 |
| WLDG 1413 | Intro to Blueprint Reading for Welders | 4 |
| WLDG 1430 | Intro to Gas Metal Arc Welding | 4 |
| WLDG 2413 | Welding Using Multiple Processes | 4 |
| Special Arc Welding Certificate (15/16 Hours) | | |
| CC 6076 | Certificate of Completion Ψ Ψ | TSI Waived |
| WLDG 1434 | Intro to Gas Tungsten Arc Welding | 4 |
| ELECTIVE | Approved Welding Elective | 3/4 |
| WLDG 1435 | Introduction to Pipe Welding | 4 |
| WLDG 2413 | Welding Using Multiple Processes | 4 |
| Welding Technology Certificate (17 Hours) | | |
| CT 6078 | Certificate of Technology Ψ | TSI Required |
| WLDG 1323 | Welding Safety, Tools and Equipment | 3 |
| WLDG 2451 | Advanced Gas Tungsten Arc Welding | 4 |
| BCIS 1305 | Business Computer Applications | 3 |
| WLDG 1327 | Welding Codes | 3 |
| WLDG 2406 | Intermediate Pipe Welding | 4 |
| Welding Technology AAS | | |
| AAS 6072 | Associate of Applied Science + | TSI Required |
| ENGL 1301 | Composition I | 3 |
| MATH | College Level Mathematics* | 3 |
| ELECTIVE | Social and Behavioral Science Core¶ | 3 |
| ELECTIVE | Language, Philosophy and Culture or Creative Arts Core¶ | 3 |

*See Core Curriculum for course options

Ψ Prerequisite CC 6075

+ Capstone Experience – AWS Q 10-95

Ψ Ψ Must complete CC 6075 & CC 6074

¶ See Course Description for elective options



Business & Industry



Welding Technology Certifications (Sequenced)

Program Summary

Certifications

Associate of Applied Science

Basic Arc Welding Skills

Year 1: Semester 1

| Course | Semester Credit Hours |
|--|-----------------------|
| WLDG 1413 Intro to Blueprint Reading for Welders | 4 |
| WLDG 1428 Intro to Shielded Metal Arc Welding | 4 |
| WLDG 1430 Intro to Gas Metal Arc Welding | 4 |
| Total | 12 |

Year 1: Semester 2

| Course | Semester Credit Hours |
|---|-----------------------|
| WLDG 1457 Intermediate Shielded Metal Arc | 4 |
| Total | 4 |

Semi-Automatic Welding

Year 1: Semester 1

| Course | Semester Credit Hours |
|--|-----------------------|
| WLDG 1412 Intro to Flux Core Arc Welding | 4 |
| WLDG 1413 Intro to Blueprint Reading for Welders | 4 |
| WLDG 1430 Intro to Gas Metal Arc Welding | 4 |
| Total | 12 |

Year 1: Semester 2

| Course | Semester Credit Hours |
|--|-----------------------|
| WLDG 2413 Welding Using Multiple Processes | 4 |
| Total | 4 |

Special Arc Welding Skills

Year 1: Semester 1

| Course | Semester Credit Hours |
|--|-----------------------|
| WLDG 1413 Intro to Blueprint Reading for Welders | 4 |
| WLDG 1428 Intro to Shielded Metal Arc Welding | 4 |
| WLDG 1430 Intro to Gas Metal Arc Welding | 4 |
| Total | 12 |

Year 1: Semester 2

| Course | Semester Credit Hours |
|---|-----------------------|
| WLDG 1434 Intro to Gas Tungsten Arc Welding | 4 |
| WLDG 1457 Intermediate Shielded Metal Arc | 4 |
| Approved Welding Elective¶ | 4 |
| Total | 12 |

Year 2: Semester 2

| Course | Semester Credit Hours |
|--|-----------------------|
| WLDG 1435 Introduction to Pipe Welding | 4 |
| WLDG 2413 Welding Using Multiple Processes | 4 |
| Total | 8 |

¶ See Course Description for elective options



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Certificate of Technology

Year 1: Semester 1

| Course | Semester Credit Hours |
|--|-----------------------|
| WLDG 1413 Intro to Blueprint Reading for Welders | 4 |
| WLDG 1428 Intro to Shielded Metal Arc Welding | 4 |
| WLDG 1430 Gas Metal Arc Welding OR Approved Welding Elective¶ | 4 |
| Total | 12 |

Year 1: Semester 2

| Course | Semester Credit Hours |
|--|-----------------------|
| WLDG 1430 Gas Metal Arc Welding OR Approved Welding Elective¶ | 4 |
| WLDG 1434 Intro to Gas Tungsten Arc Welding | 4 |
| WLDG 1457 Intermediate Shielded Metal Arc | 4 |
| Total | 12 |

Year 2: Semester 1

| Course | Semester Credit Hours |
|---|-----------------------|
| WLDG 1327 Welding Codes OR WLDG 1323 Welding Safety, Tools and Equipment | 3 |
| WLDG 1435 Introduction to Pipe Welding | 4 |
| WLDG 2451 Advanced Gas Tungsten Arc Welding | 4 |
| Total | 11 |

Year 2: Semester 2

| Course | Semester Credit Hours |
|---|-----------------------|
| BCIS 1305 Business Computer Applications | 3 |
| WLDG 1327 Welding Codes OR WLDG 1323 Welding Safety, Tools and Equipment | 3 |
| WLDG 2406 Intermediate Pipe Welding | 4 |
| WLDG 2413 Welding Using Multiple Processes | 4 |
| Total | 14 |

¶ See Course Description for elective options



Business & Industry



Welding Technology Associate of Applied Science

Program Summary

Certifications

Associate of Applied Science

Year 1: Semester 1

| Course | Semester Credit Hours |
|--|-----------------------|
| BCIS 1305 Business Computer Applications | 3 |
| WLDG 1413 Intro to Blueprint Reading for Welders | 4 |
| WLDG 1428 Intro to Shielded Metal Arc Welding | 4 |
| WLDG 1430 Gas Metal Arc Welding OR Approved Welding Elective¶ | 4 |
| Total | 15 |

Year 1: Semester 2

| Course | Semester Credit Hours |
|--|-----------------------|
| ENGL 1301 Composition I | 3 |
| WLDG 1430 Gas Metal Arc Welding OR Approved Welding Elective¶ | 4 |
| WLDG 1434 Intro to Gas Tungsten Arc Welding | 4 |
| WLDG 1457 Intermediate Shielded Metal Arc | 4 |
| Total | 15 |

Year 2: Semester 1

| Course | Semester Credit Hours |
|---|-----------------------|
| WLDG 1327 Welding Codes OR WLDG 1323 Welding Safety, Tools and Equipment | 3 |
| WLDG 1435 Introduction to Pipe Welding | 4 |
| WLDG 2451 Advanced Gas Tungsten Arc Welding | 4 |
| MATH College Level Mathematics* | 3 |
| Total | 14 |

Year 2: Semester 2

| Course | Semester Credit Hours |
|---|-----------------------|
| WLDG 1327 Welding Codes OR WLDG 1323 Welding Safety, Tools and Equipment | 3 |
| WLDG 2406 Intermediate Pipe Welding | 4 |
| WLDG 2413 Welding Using Multiple Processes | 4 |
| ELECTIVE Social and Behavioral Science Core¶ | 3 |
| ELECTIVE Language, Philosophy and Culture or Creative Arts Core* | 3 |
| Total | 17 |

*See Core Curriculum for course options

¶ See Course Description for elective options