



ONE-YEAR CERTIFICATE WELDING TECHNOLOGY

The catalog in force is assigned to students based on the academic year they first applied to the college, and changes only when students change their major or request the change in writing. Refer to Policy No. 3357:15-13-28.

1920 Catalog
Effective Summer 2019

4309

Engineering Technologies Division

Industrial Technology Department

| TECHNICAL Course Number | Course Title | Credits | Pre- and Co-Requisites | Completed Sem./Year |
|-------------------------------|--|---------------------|--------------------------------|------------------------|
| MST121 | Blueprint Reading | 2 | | |
| MST127 | Principles of Welding | 3 | Co-MST128 | |
| MST128 | Welding Laboratory | 3 | Co-MST127 | |
| MST136 | 3G Welding Certification Exam Preparatory | 2 | MST127 and MST128 | |
| MST137 | 6G Welding Certification Exam Preparatory | 5 | MST127 and MST128 | |
| MST138 | Preparatory Gas Tungsten Arc Welding | 5 | MST127 and MST128 | |
| MST139 | Gas Tungsten Arc Welding-Titanium/Stainless Steel | 3 | MST138 | |
| MST140 | 4G Welding Certification Exam Preparatory | 3 | MST127 and MST128 | |
| MST227 | Metallic Inert Gas Welding | 3 | MST127 and MST128 | |
| Total | | 29 | | |
| NON-TECH Course Number | Course Title | Credits | Pre- and Co-Requisites | Completed Sem./Year |
| SSC101 | Student Success Seminar^^ | 1 | <i>Take first semester</i> | |
| MTH107 or MTH125 | Industrial Math^ or College Algebra Ω | 3 or 4 | <i>Check for prerequisites</i> | |
| MET123 | Material Science | 3 | | |
| Total | | 7-8 | | |
| TOTAL CREDIT HOURS | | 36-37 | | |

^Based on SSC placement scores

^^To promote student success, this course should be taken in the first semester

Ω MTH125 College Algebra should only be taken by students planning to transfer to a four-year institution.

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PART-TIME STUDENT ADVISING NOTES

Academic Advising

Students should make an appointment to see their advisor before registering for classes each semester. They should have prepared a completed registration form, including courses they wish to take, prior to this meeting.

Course Sequence

The semester-by-semester listing below provides the normal scheduling option for students who plan to finish in four semesters.

| <u>First Semester</u> | | <u>Credit Hours</u> | <u>Pre- or Co-requisite</u> |
|----------------------------|---|---------------------|--------------------------------|
| SSC101 | Student Success Seminar^^ | 1 | <i>Take first semester</i> |
| MST127 | Principles of Welding | 3 | Co-MST128 |
| MST128 | Welding Laboratory | <u>3</u> | Co-MST127 |
| | | 7 | |
| <u>Second Semester</u> | | | |
| MST121 | Blueprint Reading | 2 | |
| MTH107 | Industrial Math^ | 3 | |
| or | or | or | <i>Check for prerequisites</i> |
| MTH125 | College Algebra Ω | 4 | |
| MST136 | 3G Welding Certification Exam Preparatory | 2 | MST127 and MST128 |
| MST140 | 4G Welding Certification Exam Preparatory | <u>3</u> | MST127 and MST128 |
| | | 10-11 | |
| <u>Third Semester</u> | | | |
| MST137 | 6G Welding Certification Exam Preparatory | 5 | MST127 and MST128 |
| MST138 | Preparatory Gas Tungsten Arc Welding | <u>5</u> | MST127 and MST128 |
| | | 10 | |
| <u>Fourth Semester</u> | | | |
| MET123 | Material Science | 3 | |
| MST139 | Gas Tungsten Arc Welding-Titanium/Stainless Steel | 3 | MST138 |
| MST227 | Metallic Inert Gas Welding | <u>3</u> | MST127 and MST128 |
| | | 9 | |
| | TOTAL CREDITS | 36-37 | |

^Based on SSC placement scores

^^To promote student success, this course should be taken in the first semester

Ω MTH125 College Algebra should only be taken by students planning to transfer to a four-year institution.