

# Welding Technology

## Associate of Applied Science in Welding Technology

### First Semester

Subject	Number	Title	Hours
WLDG	1457	Intermediate Shielded Metal Arc Welding (SMAW)	4
WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)	4
WLDG	2406	Intermediate Pipe Welding	4
---	---	<b>Written Communication</b>	<b>3</b>
TECM	1341	Technical Algebra	3
Semester Total: 18			

### Second Semester

Subject	Number	Title	Hours
WLDG	2413	Intermediate Welding Using Multiple Process	4
WLDG	2453	Advanced Pipe Welding	4
---	---	<b>Social / Behavioral Science</b>	<b>3</b>
---	---	<b>Math / Natural Science</b>	<b>3-4</b>
Semester Total: 14-15			

### Third Semester

Subject	Number	Title	Hours
WLDG	1430	Introduction to Gas Metal Arc Welding (GMAW)	4
WLDG	1412	Introduction to Flux Core Arc Welding (FCAW)	4
WLDG	1434	Introduction to Gas Tungsten Arc Welding (GTAW)	4
SPCH	---	<b>Oral Communications</b>	<b>3</b>

— — **Humanities / Fine Arts 3**

Semester Total: 18

**Fourth Semester**

<b>Subject</b>	<b>Number</b>	<b>Title</b>	<b>Hours</b>
WLDG	1417	Introduction to Layout and Fabrication	4
WLDG	1453	Intermediate Layout and Fabrication	4
BCIS	1305	Business Computer Applications	3
—	—	Elective	3

Semester Total: 14

**Total Semester Credit Hours for Degree: 65**

## **Certificate of Completion in Welding Technology**

**First Semester**

<b>Subject</b>	<b>Number</b>	<b>Title</b>	<b>Hours</b>
WLDG	1457	Intermediate Shielded Metal Arc Welding (SMAW)	4
WLDG	2443	Advanced Shielded Metal Arc Welding (SMAW)	4
WLDG	2406	Intermediate Pipe Welding	4

Semester Total: 12

**Second Semester**

<b>Subject</b>	<b>Number</b>	<b>Title</b>	<b>Hours</b>
WLDG	2413	Intermediate Welding Using Multiple Process	4
*WLDG	2453	Advanced Pipe Welding	4

Semester Total: 8

**\*\*Total Semester Credit Hours for Degree: 20**

## **Certificate of Completion in Combination Welding**

**First Semester**

<b>Subject</b>	<b>Number</b>	<b>Title</b>	<b>Hours</b>
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WLDG	1430	Introduction to Gas Metal Arc Welding (GMAW)	4
WLDG	1412	Introduction to Flux Core Arc Welding (FCAW)	4
WLDG	1434	Introduction to Gas Tungsten Arc Welding (GTAW)	4

Semester Total: 12

### Second Semester

Subject	Number	Title	Hours
WLDG	1417	Introduction to Layout and Fabrication	4
*WLDG	1453	Intermediate Layout and Fabrication	4

Semester Total: 8

**\*\*Total Semester Credit Hours for Degree: 20**

Core curriculum courses are shown in bold type.

\*Students should plan to take this capstone course their last semester and should speak with their advisor prior to registering for the final semester.

\*\*Both certificates required for degree.

Completion of the semester course sequence is dependent on TDCJ/Lee College Huntsville Center semester unit schedule offerings.