Angelina College

Catalog Year: 2019-20

Welding Technology

Associate of Applied Science **Manufacturing, Logistics, & Transportation Pathway**

AC Course Number	Required Course Titles	Credit Hours	Semesters Offered	Course Modalities
	FIRST YEAR			
First Semester				
☐ WLDG 1428	Introduction to Shielded Metal Arc Welding	4	F, Sp	F2F
☐ DFTG 1325 or DFTG 1409	Blueprint Reading and Sketching **or** Basic Computer-Aided Drafting	3-4	F, Sp	Hyb
☐ WLDG 1457	Intermediate Shielded Metal Arc Welding	4	F, Sp	F2F
☐ ENGL 1301	Composition I	3	F, W, Sp, Su	F2F, Int, Hyb
☐ STSU 0300	Student Success	0	F, W, Sp, Su	F2F, Int, Hyb
Second Semester				
☐ WLDG 2443	Advanced shielded Metal Arc Welding	4	F, Sp	F2F
☐ WLDG 1337	Introduction to Welding Metallurgy	3	F, Sp	Int
☐ WLDG 2413	Intermediate Weld Using Multiple Processes	4	F, Sp	F2F
☐ XXXX 13xx	Creative Arts Core*	3	F, Sp	F2F
	SECOND YEAR			
First Semester				
☐ WLDG 2355	Advanced Welding Metallurgy	3	Sp	Int
☐ WLDG 1435	Introduction to Pipe Welding	4	F, Sp	F2F
☐ WLDG 2406	Intermediate Pipe Welding	4	F, Sp	F2F
☐ WLDG 2432 or HYDR 1409 or MCHN 1438	Welding Automation **or** Basic Fluid Power I (Hydraulics) **or** Basic Machine Shop I	4	F, Sp	Hyb
☐ SPCH 1318	Interpersonal Communication	3	F, W, Sp, Su	F2F, Int, Hyb
Second Semester				
☐ WLDG 2451	Advanced Gas Tungsten Arc Welding	4	F, Sp	F2F
☐ WLDG 2453	Advanced Pipe Welding	4	F, Sp	F2F
☐ SOCI 1301	Introduction to Sociology	3	F, W, Sp, Su	F2F, Int, Hyb
☐ PHYS 1305	Elementary Physics	3	F, W, Sp, Su	F2F, Int, Hyb
	TOTAL CREDIT HOURS	60		

* Choose from ARTS 1301, DRAM 1310, MUSI 1306, or MUSI 1310

Semesters: Fall (F), Winter (W)Spring (Sp), Summer (Su)
Modalities: Face-to-face (F2F), Internet/online (Int), Hybrid (Hyb)

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Transfer Opportunities

Transfer is possible to BAAS degree at Universities.

Career Opportunities and Salaries

Aerospace Welder - $40,970
Community College Instructor - $54,000
Nuclear Industry Welder - $42,000
Mid-Level Management - $18.09/hour
Shift Supervisor - $66,300
Welding Technician - $44,000

Marketable Skills

1) Work well on a team
2) Define, explain and interpret technical information
3) Use critical thinking to identify strengths and weakness to determine solutions
4) Identify appropriate information sources
5) Use math to answer questions
6) Schedule/coordinate Operations
7) Use current technology to diagnose and solve problems
8) Use Troubleshooting to determine causes and decide what to do about it
9) Think on your feet

Technical Skills

Courses cover Stick welding on Structural steel, and Semi-Automatic welding with Wire for Structural Applications. Entry level Stick welding of V-Groove plate and Pipe. Advanced Pipe welding utilizing Stick, and TIG welding processes of Steel, Stainless Steel, and Aluminum.

Semesters: Fall (F), Winter (W)Spring (Sp), Summer (Su)
Modalities: Face-to-face (F2F), Internet/online (Int), Hybrid (Hyb)