

2007-08 Catalog: Programs of Study

Applied Welding Technologies (5679)

Workforce Certificate

Numerous industries rely on the work of skilled welders. Shipbuilding, paper mills, power plants, aerospace, automobile manufacturing, construction, and repair shops are just a few of your possible employers after completion of this program.

With your knowledge and hands-on experience in most welding processes including SMAW (stick) plate and pipe, GNAW (mig) steel and aluminum, FCAW (flux cored) and GTAW (tig) plate and pipe on steel, stainless steel and aluminum, you'll be prepared for immediate employment as a welder in the metal trades. Safety and good work habits are stressed throughout this program. The future job picture is excellent as nearly every manufacturer uses welding in its operations, which includes equipment repair and maintenance.

Career Opportunities, Rapid Placement

Florida's growth is soaring; Jacksonville is a boomtown. And much of the city and state are being built by graduates of construction programs at Florida Community College. The employment rate in all trades is 100%. No Florida Community College student who wants a job goes without a job. You'll have the opportunity to network with major contractors and become employed while you're still in school. We also refer you for internships and job interviews.

Annual Salaries

Starting salaries range from \$16 to \$20 an hour. Overtime, bonuses, rapid advancement and opportunities for self-employment can rapidly increase your income.

Application

The Test of Adult Basic Education (TABE) is a major criterion in a student's completion of the program. Students who fail to meet the State of Florida's designated exit score will be required to complete the Vocational Preparatory Instruction (VPI). In order to complete the program successfully, students must achieve or surpass the designated exit score(s). See [Standards of Academic Progress](#).

Students in this program should be advised by the instructor or the program manager before enrolling in courses.

Cost

Estimated tuition is \$2,241 (for Florida residents, as of 7/06). Estimated cost for books and materials is \$150.

Need More Information? Contact:

Betty Sasser, Advisor, Downtown Campus, 904.633.8454
Or call 904.361.6353

More Information Online

American Welding Society

Curriculum

Course Number and Title Professional Courses	Contact Hours	Workforce Credits
* VPI 0100 Basic Reading Skills		
* VPI 0200 Basic Mathematical Skills		
* VPI 0300 Basic Language Skills		
PMT 0940 Postsecondary Internship (optional)		
PMT 0108 Introduction to Welding	125	4.00

PMT 0106	Basic Arc Welding	125	4.00
PMT 0122	Intermediate Shielded Metal Arc Welding	125	4.00
PMT 0124	Advanced Welding	125	4.00
PMT 0134	Gas Metal Arc Welding	125	4.00
PMT 0135	Gas Tungsten Arc Non-Ferrous Metals	88	3.00
PMT 0145	Flux Core Welding	100	3.50
PMT 0141	Gas Tungsten Arc Ferrous Metals	87	3.00
PMT 0166	Shielded Metal Arc Pipe	135	4.50
PMT 0171	Gas Tungsten Arc Pipe and Tubing	135	4.50
Total Contact Hours		1,170	38.50

*Students who have satisfactory test scores are not required to take these courses.

©2007 Florida Community College at Jacksonville. To request information, contact the Learner Support Center at info@fccj.edu or 904.646.2300.

Revised January 14, 2008