Welding Technology Opportunities

This program combines practical experiences in the lab area and technical theory presented in a classroom setting. Students are involved in fabricating various projects in the lab and are taught basic welding skills. The combination of classroom theory and laboratory hands-on fabrication activities provides an excellent comprehensive career foundation. Through the Career Pathways program, students successfully completing Welding Technology Fundamentals can continue their studies at First Coast Technical College.

Other Career and Educational Opportunities

Career Pathways program is a high school applied technology program linked with a post secondary program which may lead to a certificate program, associate’s degree, and/or bachelor’s degree. Through applied academics and technical studies, the student will build his/her competencies in communication, mathematics and science.

Florida Bright Futures Scholarship Program: The Gold Seal Endorsement Program focuses on students who have performed well in career preparatory programs. It recognizes and rewards excellence for academic achievement and career preparation.

Dual Enrollment students may earn free college credits and high school credits their junior and/or senior year at SJRSC, DSC or SFC. Students must meet the criteria of a 3.0 UGPA and have a college placement score (ACT, SAT, CPT or PERT) on file.
Welding Technology Fundamentals will prepare students for employment or advanced training in a variety of occupations in the welding industry. This program focuses on broad, transferable skills and stresses understanding and demonstration of the following elements of the welding industry: planning, management, technical and product skills, underlying principles of technology, health, safety, and environmental issues.

This program offers communication skills, human relations and employability skills, safe and efficient work practices, and the use of cutting and/or welding processes to fabricate parts according to shop drawings or written specifications.

Students must complete the core courses and demonstrate mastery of skills standards before advancing to any of the intermediate courses provided.

Program Structure
The Applied Welding Technology program is a planned sequence of instruction consisting of three occupational completion points. When the recommended sequence is followed, the structure will allow students to complete specified portions of the program for employment or to continue to post-secondary education in the field of Welding Technology.

Future Jobs/Career Paths
- Pipe Welder
- Structural Steel Worker
- Fabricators
- Maintenance Welder
- Shop Supervisor
- Small Business Owner

Certifying Achievements
- OCP A
  Welding Technology Fundamentals I & II
- OCP B
  Welding Technology Fundamentals III
  Welding Technology Fundamentals IV
- OCP C
  Welding Technology Fundamentals Capstone

Industry Certification:
American Welding Society

SkillsUSA
Applied Welding Technologies students are encouraged to become actively involved in SkillsUSA career and technical organization to provide activities for students as an integral part of curriculum and skills needed to complete this program of study and to Applied Welding Technologies as a career pathway.