Delgado’s welding program challenges students to master specific skill related competencies set forth by the National Center for Construction Education and Research (NCCER) as well as our Welding Advisory Committee which consists of business and industry representatives from the Greater New Orleans region. Our welding shop is well-equipped and enables students to receive hands on instruction in all welding processes. Students can receive Certificates of Technical Studies in Shielded Metal Arc Welding (SMAW), Flux Core Arc Welding (FCAW)/Gas Metal Arc Welding (GMAW) and Gas Tungsten Arc Welding (GTAW). Students receive NCCER Level 1 certification in each program. Completion of all three programs will give the student NCCER Welding Levels 1 and 2.

**CAMPUS:** DCC Jefferson

**CAREERS:** Choosing welding as a career gives you a wide variety of options for employment. Most welders work in manufacturing industries that produce transportation equipment, industrial machinery and equipment, and fabricated metal products. Welders are also employed in the construction of buildings and bridges, and to join pipes in pipelines, power plants, railroads, and refineries. The average salary for a welder in Louisiana is $20.69 per hour/$43,040 per year (LA Workforce Commission, Occupational Wage Data, 2013).

**CURRICULA:** Shielded Metal Arc Welding (SMAW) 27 credit hours; 2 semesters
Gas Tungsten Arc Welding (GTAW) 27 credit hours, 2 semesters
Flux Cored Arc Welding & Gas Metal Arc Welding (FCAW & GMAW) 27 credit hours, 2 semesters

**SMAW Semester 1**
WLDG 101 Intro to Welding Fundamentals 2-2-3/60
WLDG 110 Basic SMAW 1-4-3/75
WLDG 115 SMAW Groove Welds 1-4-3/75
TECH 101 NCCER Technical Core 3-3-3/90

**SMAW Semester 2**
WLDG 150 SMAW Pipe 2G Pre-Requisites: TECH 101 & WLDG 101 1-6-3/105
WLDG 151 SMAW Pipe 5G Pre-Requisites: TECH 101 & WLDG 101 1-6-3/105
WLDG 152 SMAW Pipe 6G Pre-Requisites: TECH 101 & WLDG 101 1-6-3/105
*CCSS 108 Career Success Skills 2-2-3/60
*ADOT 105 Survey of Comp. Apps. 3-0-3/45

**GTAW Semester 1**
WLDG 101 Intro to Welding Fundamentals 2-2-3/60
WLDG 220 GTAW Basic Multi-Joint 1-4-3/75
WLDG 219 GTAW Groove Welds 2-4-3/90
TECH 101 NCCER Technical Core 3-3-3/90

**GTAW Semester 2**
WLDG 223 GTAW Pipe 2G Pre-Requisites: TECH 101 & WLDG 101 1-6-3/105
WLDG 222 GTAW Pipe 5G Pre-Requisites: TECH 101 & WLDG 101 1-6-3/105

**WLDG 224 GTAW Pipe 6G** 1-6-3/105
*Pre-Requisites: TECH 101 & WLDG 101
*CCSS 108 Career Success Skills 2-2-3/60
*ADOT 105 Survey of Comp. Apps. 3-0-3/45

**FCAW & GMAW Semester 1**
WLDG 101 Intro to Welding Fundamentals 2-2-3/60
WLDG 201 Basic FCAW and GMAW 1-4-3/75
WLDG 202 FCAW and GMAW Groove Welds 1-4-3/75
TECH 101 NCCER Technical Core 3-3-3/90

**FCAW & GMAW Semester 2**
WLDG 217 FCAW and GMAW Pipe 2G 1-6-3/105 Pre-Requisites: TECH 101 & WLDG 101
WLDG 218 FCAW and GMAW Pipe 5G 1-6-3/105 Pre-Requisites: TECH 101 & WLDG 101
WLDG 226 FCAW and GMAW Pipe 6G 1-6-3/105 Pre-Requisites: TECH 101 & WLDG 101
*CCSS 108 Career Success Skills 2-2-3/60
*ADOT 105 Survey of Comp. Apps. 3-0-3/45

*Required Related Course

Updated FL14