



Applied
Technologies

WELDING TECHNOLOGY

ABOUT THE PROGRAM

Welding is a high-paying and highly-skilled profession. The Welding Technology program provides students with a sound understanding of the science, technology, and applications essential for successful employment. Students learn oxy-acetylene cutting and welding, SMAW (stick), GMAW (MIG), and GTAW (TIG). Courses include math, reading and interpreting prints, metallurgy, welding inspection, and destructive and non-destructive testing. Career opportunities exist not only in the welding and metalworking industries, but also in construction, manufacturing, fabrication, sales, quality control, supervision, and welding-related self-employment.



Possible Employment In Industry

Architectural and Structural Metals Manufacturing
Agriculture, Construction, and Mining Machinery
Manufacturing
Foundation, Structure, and Building Exterior
Contractors
Other Fabricated Metal Product Manufacturing



Top Employers In Region

Aerotek
Flowserve Corporation
EMCOR Group
Express Employment Professionals
ResourceMFG
Caterpillar



Occupational Statistics

Salary Range: US \$36,300 - \$58,600
Salary Range: NC \$36,000 - \$55,700
Salary Range: Region \$35,900 - \$56,400



CCCC Career Community

Students interested in Applied Technologies tend to be action-oriented problem solvers who like to work with their hands - making, building, and repairing all kinds of things. Graduates often find employment in advanced manufacturing, construction, the automotive industry, or the trades.



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Degrees

Associate in Applied Science in Welding Technology (A50420; LMC; Day) - 5 semesters (summer included)



Diplomas

Diploma in Welding Technology (D50420; LMC; Day) - 4 semesters (summer included)



Certificates

Certificate in Welding Technology (C50420; LMC; Day/Evening) - Day - 2 semesters, Evening - 3 semesters; Certificate in Robotic Welding (C50420R; LMC Day/Evening) - Same as previous; Short-term: MIG 1, MIG and AWS Qualification, TIG, NCCER Certification



Transfer Options

None



Additional Program Costs

Students must provide OSHA compliant personal protective equipment.



State Licensure/Exams/ Industry Certifications

NCCER Credentials/Certifications offered in all welding programs.



Additional Admissions Process

None



Skills In Demand For Program And Industry

Welding
Manufacturing
Metal Inert Gas Welding (MIG welding)
Rulers
Straightedges



Work-Based Learning Information



To find all program planning guides, contact information, and more, scan the QR code or visit www.cccc.edu/programs