

DEKALB TECHNICAL COLLEGE
Clarkston Campus

**WELDING AND JOINING TECHNOLOGY
TECHNICAL CERTIFICATES OF CREDIT**

The Welding and Joining Technology Technical Certificates of Credit Programs are sequences of courses that prepare students for careers in the welding industry. Learning opportunities develop academic, technical and professional knowledge and skills required for job acquisition, retention, and advancement. The programs emphasize a combination of welding theory and practical application necessary for successful employment.

PIPE WELDER

Course Number	Course	Class Hours	Lab Hours	Total Hours	Credit Hours	Prerequisites/Corequisites
WLD 150	Advanced Gas Tungsten Arc Welding	20	80	100	5	WLD 110
WLD 151	Fabrication Practices	40	20	60	5	WLD 107, WLD 108, WLD 109
WLD 152	Pipe Welding	<u>20</u>	<u>80</u>	<u>80</u>	<u>5</u>	WLD 107, WLD 108
TOTAL		80	180	240	15	

CIP CODE: 48.050801

MAJOR CODE: ADW1

REQUIRED CREDIT HOURS: 15

10/07

The curriculum is subject to change to meet changing conditions. As set forth in its catalog, DeKalb Technical College does not discriminate on the basis of race, color, creed, national or ethnic origin, gender, religion, disability, age, veteran status, or citizenship status (except in those special circumstances permitted or mandated by law).

COURSE DESCRIPTIONS

WLD 150 - ADV GAS TUNGSTEN ARC WELDING (5)

Prerequisite: WLD 110

Provides knowledge of theory, safety practices, inert gas, equipment, and techniques required for successful advanced gas tungsten arc welding (GTAW). Qualification tests, all positions, are used in the evaluation of student progress toward making advanced level industrial standard welds. Topics include: GTAW safety and health practices; shielding gases; metal cleaning procedures; GTAW machines and equipment setup; selection of filler rods; GTAW weld positions; and advanced production of GTAW beads, bead patterns, and joints in all positions.

WLD 151 - FABRICATION PRACTICES (5)

Prerequisites: WLD 107, WLD 108, WLD 109

Presents practices common in the welding and metal fabrication industry. Topics include: metal fabrication safety and health practices and metal fabrication procedures.

WLD 152 – PIPE WELDING (5)

Prerequisites: WLD 107, WLD 108

Provides the opportunity to apply skills to pipe welding operations. Topics include: pipe welding safety and health practices, pipe welding nomenclature, pipe layout and preparation, pipe joint assembly, horizontal welds on pipe (2G), vertical welds on pipe (5G), and welds on 45 degree angle pipe (6G).

ESTIMATED PROGRAM COSTS

PIPE WELDER

Tuition/Fees*	\$764.00
Books.....	\$150.00
Total.....	\$914.00

* Total based on two (2) quarters of attendance

Tuition/fees and cost of books/supplies are estimates only and are subject to change without notice. Tuition is based on Georgia residency.

10/07