



Capability Statement – Machine Tool Technology

Institution: Drake State Community & Technical College

UEI Number: **Y6RMRVLNFZK1** CAGE Code: **1Z450** NAICS ID: **611210** SIC: **8222**
Federal EIN No: **63-0439942**

Certificates, Registrations, Accreditations: SACSCOC, NIMS

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Overview

Drake State Community & Technical College is a two-year historically Black public institution (HBCU) and a member college of the Alabama Community College System (ACCS). Founded in 1961 to support the technical and vocational education needs of African Americans, Drake State expanded its offerings to include transferrable general education courses in 2012.

Machine Tool Capabilities

MTT Career Pathways provide certificates in CNC machining, Machining fundamentals, precision milling, and precision fundamentals, that include the capabilities of facing, milling, drilling, reaming, boring, turning, thread making, surface grinding, and multi-axis operations

Facilities:

The CNC Shop houses Specialized Machines; 5th Axis UMC 500 that allows complex parts with increased productivity. The ST20Y 3 axis Lathe full Milling Capabilities and a Wire EDM allow for High Precision Machining in carbide or other hard materials. The Manual Shop houses several Measuring Instruments: calipers, micrometers, and height gauges and machines including, Manual Lathe, Manual Mill, Surface Grinder, Horizontal Band Saw, Belt Sander, and 8" Industrial Grinder. Manual Shop is fully functional, and all the capabilities and functions allow the manufacturing of small precision parts up to large assemblies.

Past Performance:

Machine Tool Bootcamp for MUREP program, 2022 – 2023