

New Programs Coming Spring 2024



SCAN
TO DOWNLOAD THIS DOCUMENT



Introduction to Heating Systems

This course covers the principles of heating systems including natural gas and propane forced air systems, oil systems, hydronic systems, combustion theory, venting, and the operation of all major components. Students will learn to read electrical schematics, properly use a multimeter to troubleshoot components, and diagnose common system failures. Upon successful completion of this course, students will demonstrate the knowledge and performance of an entry-level service technician including such skills as gas piping, evaluating gas pressure, venting and combustion analysis, thermostat installation, operation, and troubleshooting, air flow, and diagnose common system failures.

Introduction to Refrigeration and Air Conditioning

This course covers the principles of mechanical refrigeration and air conditioning systems including compressors, condensers, expansion devices, evaporators, refrigerants, refrigerant oils. Upon successful completion of this course, students will demonstrate the knowledge and performance of an entry-level service technician including such skills as soldering and brazing, refrigerant recover, leak detection, system charging, system performance analysis, basic electrical troubleshooting, and workplace safety.

Completion of course will include "industry recognized credentials"

CNC (Computer Numerical Control)

The CNC Machining Course is a comprehensive program designed to equip students with the knowledge and practical skills required to excel in the field of CNC machining and manufacturing. This course delves into the fundamentals of CNC technology to program, setup and operate CNC machine tools. Students will learn the G&M code programming language. Through a combination of theoretical instruction and hands-on experience, students will develop the expertise necessary for a successful start to their career in modern manufacturing industries. The CNC Machining Course is suitable for students aspiring to work in various manufacturing sectors, including aerospace, automotive, medical device manufacturing, and more. Completion of this course will be well-prepared to embark on a rewarding career in CNC machining, programming, or related fields, contributing to the ever-evolving world of precision manufacturing.

Completion of course will include "FANUC industry recognized credentials"

Grant funding may be available!

@thebestcenter

@sunygccbestcenter