



2024-2025 Certificate

Certificate: CNC Advanced Operator Certificate (95-444-2)

Credits: 17.20 Credits

Description: The CNC Operator certificate program is a lab and lecture-based approach to learning the skills necessary to find gainful employment as a qualified CNC Operator. Students will learn the basics of CNC machining as well as inspection and safety. Hands-on operation of CNC equipment and inspection of parts will be outlined just as it would be in a job setting. Deburring parts and operating secondary equipment will be taught as it is necessary to be successful in a working machine shop. Upon completion of this certificate, students will receive a certificate of completion from Gateway Technical College along with industry recognized certifications.

Related Program: CNC Production Technician; CNC Programmer

Courses are not listed in sequential order. The list below indicates the courses being offered within this certificate. Courses in this program may be offered in a variety or combination of formats (for example: in-person, video conferencing, online). Contact a BWS representative or an advisor for more information.

REQUIRED COURSES

✓	<u>Semester One</u>	<u>Credits</u>	<u>Prerequisite</u>	<u>Corequisite</u>
	103-804 Introduction to Computers	.45		
	196-403 Workplace Readiness I	.75		
	196-417 Workplace Readiness II	1.25		
	420-479 Fanuc Machine Controls	.75		
	444-316 Foundations of CNC Machining	3.0		
	444-331 CNC Machining Technology	3.0		
	444-337 Fund. of Blueprint Reading & Shop Safety	3.0		
	444-339 Gauging and Quality Control	3.0		
	804-370 Applied Mathematics I	2.0	854-760	
	Total Credits	17.20		

NOTE: Students must complete a certificate program with a cumulative GPA of 2.0 or above.