

CNC OPERATOR, CERTIFICATE OF ACHIEVEMENT

Banner Code: 1_CM_MTCO

Control Number: 41042

Not Financial Aid Eligible

This Professional Upgrade Certificate is designed for students who are already machinists. Before starting on this plan you should be able to set up and operate both conventional lathes and mills. You should be able to read blueprints and use all common machine shop measuring tools. If you have a deficiency in these areas, please refer back to the basic machining courses found in the Machinist certificate.

Program Outcome

Set-up and operate CNC Lathes and Milling Machines.

Review Graduation Requirements (<https://catalog.cccd.edu/orange-coast/graduation-requirements/certificates/#achievementtext>).

Course	Title	Units
Required Courses		
MACH A125	CNC Machine Operation 1	3
MACH A126	CNC Machine Operation 2	2
MACH A130	Introduction to CNC and Manual Programming	3
MACH A147	Introduction to 5 Axis Machining	2
MACH A148	Advanced Multi Axis Programming & Machining	5
Total Units		15

Program Sequence

These sequences at Orange Coast College are curriculum maps for students to finish all requirements for the certificate. There may be advisories, prerequisites, or time requirements that students need to consider before following these maps. Students are advised to meet with an Orange Coast College Counselor for alternate sequencing.

Course	Title	Units
Year 1		
Semester 1		
MACH A125	CNC Machine Operation 1	3
MACH A130	Introduction to CNC and Manual Programming	3
Units		6
Semester 2		
MACH A126	CNC Machine Operation 2	2
Units		2
Summer		
MACH A147	Introduction to 5 Axis Machining	2
MACH A148	Advanced Multi Axis Programming & Machining	5
Units		7
Total Units		15