

# MACHINIST, CERTIFICATE OF ACHIEVEMENT

**Banner Code:** 1\_CN\_MTMC

**Control Number:** 19541

**Financial Aid Eligible**

The Machinist certificate program trains students for positions as entry-level operators, which often are the first manufacturing jobs for industrial employees. This certificate program provides the skill and knowledge necessary for job candidates to become successful wage earners. This program also comprises the core courses for the more advanced certificates.

## Program Outcome

Machine precision manufactured parts using conventional lathes and milling machines and perform necessary measurements.

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

Course	Title	Units
MACH A100	Introduction to Machine Shop	3
MACH A105	Lathe	5
MACH A110	Milling Machine	5
MACH A115	Production Machining Techniques	2
MACH A120	Measurement and Blueprint Reading	3
MACH A121	Computations for Machinists	3
MACH A130	Introduction to CNC and Manual Programming	3
<b>Total Units</b>		<b>24</b>

## 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
<b>Year 1</b>		
<b>Semester 1</b>		
MACH A100	Introduction to Machine Shop	3
MACH A105	Lathe	5
MACH A120	Measurement and Blueprint Reading	3
MACH A121	Computations for Machinists	3
<b>Units</b>		<b>14</b>
<b>Semester 2</b>		
MACH A110	Milling Machine	5
MACH A130	Introduction to CNC and Manual Programming	3
<b>Units</b>		<b>8</b>

Course	Title	Units
<b>Year 2</b>		
<b>Semester 1</b>		
MACH A115	Production Machining Techniques <sup>1</sup>	2
<b>Units</b>		<b>2</b>
<b>Total Units</b>		<b>24</b>

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MACH A115 has MACH A110 as one of the prerequisites. Student can enroll in class with instructor approval due to their industry experience, if so they can be taken at the same time.