2015–2016 COMMUNITY COLLEGE OF DENVER **MACHINE TECHNOLOGIES**

Basic Machining Certificate

5-week Courses

1 semester**

Classes Required:
MAC 100 Machine Shop Safety
MAC 101 Intro to Machine Shop
MAC 102 Blueprint Reading
MAC 110 Intro to Engine Lathe
MAC 111 Intermediate Engine Lathe
MAC 120 Intro to Milling Machine
MAC 121 Intermed. Milling Machine
MAT 108 Technical Mathematics
(23 Credit Hours)

Job Opportunities:
Entry-Level Machinist
Machine Tool Setter

Salary Range:
entry level: $10/hour
with experience: $14.50/hour

taking 2 more classes =

Intermediate Machining Certificate

1 additional semester**

Classes Required:
MAC 201 Intro to CNC Turning
MAC 205 Intro to CNC Milling
(6 Additional Credit Hours)

Job Opportunities:
Maintenance Machinist
Machine Tool Setter
Tool Room Machinist

Salary Range:
entry level: $14.50/hour
with experience: $20/hour

taking 4 more classes =

CNC Machine Tool Operator Certificate

1 additional semester**

Classes Required:
CAD 101 Computer Aided Drafting I
CIS 118 Intro to PC Applications
MAC 145 Production Manuf. Cncpts
MAC 240 CAD/CAM 2-D
(12 Additional Credit Hours)

Job Opportunities:
Journeyman Machinist
CNC Set Up
Tool & Die Maker
Mold Maker
Supervisor

Salary Range:
entry level: $15/hour
with experience: $29/hour

taking 7 more classes =

CNC Manufacturing Associate of Applied Science Degree OR **CNC Management** Associate of Applied Science Degree

Replace MAC 245 & MAC 252 with MTE 230 Design for Manufacturability MTE 244 Lean Manuf. Practices

2 additional semesters**

Classes Required:
COM 115 Public Speaking
ENG 121 English Composition I*
OR ENG 131 Technical Writing I
MAC 220 Modern Productn Manuf
MAC 250 Adv. Inspection Tech
MAC 245 CAD/CAM 3-D
MAC 252 Practical Metallurgy
POS 105 Intro to Political Science*
OR SOC 101 Intro to Sociology I*
(21 Additional Credit Hours)

Job Opportunities:
Machinist
Maintenance Specialist
Inspector
Manager

Salary Range:
entry level: $12/hour
with experience: $31/hour

The Machine Technologies Program at Community College of Denver offers clear pathways so you can reach your educational goals. You can earn a Basic Machining Certificate and then move on to learn intermediate machining skills. You can also earn a CNC Machine Tool Certificate or Associate of Applied Science Degree in Manufacturing. We also offer an Industrial Maintenance Technologies Certificate. CCD... Start here. *Go Anywhere!*

COMMUNITY COLLEGE OF DENVER

Find out more at **ccd.edu/Machining**
or contact **Center for Career & Technical Education**
303-556-2487
See our costs and tuition information at **ccd.edu/tuition**

Colorado Resident Student Example
Tuition & Fees per semester taking 5 classes (15 credit hours): $2458.16
*Average financial aid award per semester: $1875.81.****

*Information from the 2015/16 CCD Catalog, See current catalog or meet with an academic advisor for more info. Information on occupations, rates for completion and placement, program costs and median loan debt may be found at www.ccd.edu/gainfulemployment. Salary information derived from O*NET Online. **Assuming full-time enrollment of 4-5 classes (12-15 credit hours) per semester. ***Your actual award may vary. Example based on a Colorado resident, dependent student with $45-$60,000/year income in a household with 4 or less people with 2 or less people in college. updated 9/15*

2015-2016 COMMUNITY COLLEGE OF DENVER **MACHINE TECHNOLOGIES**

Industrial Maintenance Technologies
Certificate

3 semesters**

Classes Required:

MAC 100 Machine Shop Safety
MAC 101 Intro to Machine Shop
MAC 102 Blueprint Reading
MAC 110 Intro to Engine Lathe
MAC 120 Intro to Milling Machine
MAT 108 Technical Mathematics
CAD 101 Computer Aided Drafting I
CAD 102 Computer Aided Drafting II
CAD 240 Inventor I Autodesk
CIS 118 Intro to PC Applications
WEL 101 Allied Cutting Processes
WEL 102 Oxyacetylene Joining Processes
WEL 103 Basic Shielded Metal Arc

(41 Credit Hours)

Job Opportunities:

Machine Setters
Braze Operators
Production Machinist
Soldering and Brazing
Machine Setters
Metal Workers

Salary Range:

entry level: $10.50/hour
with experience: $23.50/hour

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