



Funded by the TAA-Department of Labor
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Associate of Applied Science Degree in Precision Machining

The Associate of Applied Science (A.A.S.) degree in Precision Machining offers adult students small class sizes, curriculum designed by industry professionals, new state-of-the-art equipment and one-on-one work with a career coach. The TAA-Department of Labor funded the development, redesign and adaptation of all machining courses leading to the A.A.S. degree and certificates.

Precision Machining classes are taught in collaboration with Warren Tech High School, the career and technical high school for Jefferson County Public Schools. Classes follow the Warren Tech/Jeffco Public Schools calendar. Deadlines and class start and end dates differ from those of Red Rocks Community College (RRCC). Anyone who has graduated from high school, received a GED, or is age 21 or older may attend Warren Tech by enrolling through RRCC and paying RRCC tuition. Adults attend Warren Tech on a space-available basis. Warren Tech classes are conducted on a block schedule, usually for 15 hours per week. Classes begin each August and end in May. There are two options available for enrollment: Monday through Friday from 7:30–10:30 a.m. or Monday through Thursday from 12:00–3:45 p.m.

Admission Steps to the Daytime Program

- 1 Apply online at rrcc.edu
- 2 Take the Accuplacer Placement Test at Red Rocks Community College. For assessment hours and information go to rrcc.edu/assessment. Attach results to the Warren Tech application in Step 3. Students may submit ACT scores or college transcripts in place of Accuplacer scores.
- 3 Complete the Warren Tech Adult Application (available at RRCC or Warren Tech) and return it with your test scores or transcript to the Warren Tech Counseling Office. Applications are accepted year round and are placed on a wait list once received.
- 4 Wait to be notified of your acceptance to Warren Tech. Upon acceptance, contact Janis Eagan in the RRCC admissions office at 303-914-6543 to make an appointment and complete your initial registration.
- 5 Once registration is complete, pay your RRCC tuition and fees and the additional Warren Tech fee at the RRCC cashier's office. For current Warren Tech fee information contact Warren Tech at 303-982-8604.
- 6 For information regarding financial aid, visit the RRCC Financial Aid office, or go to rrcc.edu/financial-aid.

(see reverse side for the A.A.S. curriculum)

Precision Machining A.A.S. Degree

Required Courses	Credits	Electives – Choose 4	Credits
MAC 110 Intro to Engine Lathe	3	MAC 210 Intro to Swiss Turn Operations	3
MAC 111 Intermediate Engine Lathe	3	MAC 211 Swiss Turn Programming I	3
MAC 120 Intro to Milling Machine	3	MAC 261 5-Axis Mill Programming	3
MAC 121 Intermediate Milling Machine	3	MAC 260 5-Axis Mill Operation	3
MAC 250 Advanced Inspection Techniques	3	MAC 266 Advanced Inspection Techniques II	3
MAC 253 Wire EDM Operation	3	MAC 267 Metrology Maintenance	3
MAC 257 Wire EDM Programming	3	MAC 201 Intro to CNC Turning Operations	3
EGT 205 Geometric Dimension and Tolerance	3	MAC 202 CNC Turning Operations II	3
		MAC 205 Intro to CNC Milling Operations	3
		MAC 206 CNC Milling Operations II	3
		MAC 280 Internship	
		Total Elective Credits	12
Select Either Option A or B – Required Courses			
Option A			
MAC 205 Intro to CNC Milling Operations	3		
MAC 206 CNC Milling Operations II	3		
MAC 245 CAD/CAM 3D	3		
Option B			
MAC 201 Intro to CNC Turning Operations	3		
MAC 202 CNC Turning Operations II	3		
MAC 245 CAD/CAM 3D	3		
Total Required Credits	33	Total Credits	9

Required General Education Courses	Credits
ENG 121 English Composition I (or higher)	3
COM 115 Public Speaking	3
MAT 107 Career Math or higher (MAT 121 recommended)	3
Total Credits	9

Choose courses from TWO of the following areas for a total of 6 credits

Arts & Humanities: ARA, ART, ASL, FRE, GER, HUM, ITA, JPN, LIT, MUS, PHI, RUS, SPA, THE (100 and above).

Natural & Physical Sciences: AST, BIO, CHE, ENV, GEY, MET, NRE, PHY, SCI (100 and above).

Social & Behavioral Sciences: ARG, ANT, ECO, GEO, GIS, HIS, POS, PSY, SOC (100 and above).

Total Credits **6**

Total A.A.S. Degree Required Credits **60**



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**For more information: rcc.edu/precision.machining | 303-914-6543
Lakewood Campus | 13300 West Sixth Avenue | Lakewood, CO 80228**