Red Rocks Community College
PRECISION MACHINING TECHNOLOGY

Funded by the TAA-Department of Labor

CREATE A PIPELINE OF TALENT…
WIRE EDM OPERATION AND PROGRAMMING

Red Rocks Community College, in partnership with Warren Tech, offers Wire EDM Operation and Programming classes to support industry and employee advancement. Adult students enrolling in classes will enjoy small class sizes, curriculum designed by industry professionals and new state of the art equipment.

Classes are fast-paced, hands-on learning experiences and meet two nights a week for 7.5 weeks. Students are encouraged to enroll in both Wire EDM Operation and Programming, which begins in January, for the greatest benefit. Each class is 3 hours of college credit. Total cost per class is $454.16.

Class size is limited to 12 students, so students should act fast before classes fill up!

Tony Rabbio
Course Instructor

I got started in this industry in high school, got a job at a good prototype shop my senior year and have been working and loving the industry ever since. I have been running the Wire EDM at Ingram Machining Inc. for the past three years, and have been doing programming and set ups on mills and lathes for the past four years. Recently, I moved into a management position as the shop foreman, but still get out on the machines as much as possible. I'm also the only wire guy in the house. This industry has treated me very well and through teaching this class and classes for Front Range Community College in the past I can finally give back and help other people get their chance to gain these incredible skills.

COURSE SCHEDULE

Accelerated Session I: January 20 – March 9, 2016
MAC 253-551, CRN 33299 | Wire EDM Operation
Monday & Wednesday | 6 – 9:45 p.m.
3 credits

Accelerated Session II: March 10 – May 9, 2016
MAC 257-551, CRN 33301 | Wire EDM Programming
Monday & Wednesday | 6 – 9:45 p.m.
3 credits

**For more information on how to apply and register, contact
Laura Aycock at laura.aycock@rrcc.edu or 303.914.6291**

MAC 253 – Wire EDM Operation
3 Credits

Covers the preparation, operation and maintenance of the Computer Numerical Controlled wire Electric Discharge Machine (CNC wire EDM machine).

Standard Competencies

1. Demonstrate use of the CNC wire EDM machine controller.
2. Load, unload and manage programs in the CNC wire EDM machine controller and desktop computer.
3. Operate the CNC wire EDM machine.
4. Evaluate correctness of a G language program (G-code) in the CNC wire EDM machine.
5. Demonstrate successful adjustments to the CNC wire EDM machine controller.
6. Create a basic G-code program for the CNC wire EDM machine without the use of Computer-aided Manufacturing (CAM) software.

MAC 257 Wire EDM Programming
3 Credits

Covers how to create a G language program (G-code) for a Computer Numerical Controlled wire Electrical Discharge Machine (CNC wire EDM Machine) using Computer-aided Design and Computer-aided Manufacturing (CAD/CAM) software.

Standard Competencies

1. Perform wire feed calculation and sequences on the CNC wire EDM machine.
2. Perform successful use of the features of edge compensation in a CNC wire EDM machine program.
3. Demonstrate successful use of the wire reload features in a CNC wire EDM machine program.
4. Write a CAM program for a CNC wire EDM machine.
5. Program and run multiple parts in a CNC wire EDM machine.
6. Demonstrate proper program management with CAD/CAM programs for the CNC wire EDM machine.

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