

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!

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



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.

**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 Electrical 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.

Colorado Helps



Advanced Manufacturing Program

This was funded by a grant awarded by the U.S. Department of Labor's Employment and Training Administration. This product was funded by CHAMP – Department of Labor to support grant goals of employer outreach and increased enrollment. The fact sheet was created by the grantee and does not necessarily reflect the official position of the U.S. Department of Labor. The Department of Labor makes no guarantees, warranties, or assurances of any kind, express or implied, with respect to such information, including any information on linked sites, and including, but not limited to accuracy of the information or its completeness, timeliness, usefulness, adequacy, continued availability or ownership.

Red Rocks Community College is committed to diversity in its people and programs. The College is an equal opportunity educational institution and does not discriminate on the basis of disability, race, creed, color, gender, sexual orientation, gender expression, religion, age, national origin, or ancestry or any other category protected by applicable law. The College has designated the Human Resources Director as its Equal Opportunity Employment Officer and Title IX Administrator with the responsibility to coordinate its civil rights compliance activities and grievance procedures. Report all concerns or complaints relating to discrimination or harassment to the Title IX/EO Coordinator(s): Bill Dial, Director of Human Resources/Title IX Administrator, 13300 West Sixth Avenue, Lakewood, CO 80228. 303.914.6298. bill.dial@rrcc.edu.

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