



ROBERT MORGAN EDUCATIONAL CENTER & TECHNICAL COLLEGE

is accredited by the Commission of the Council on Occupational Education, 7840 Roswell Road, Building 300, Suite 325, Atlanta, GA 30350, Telephone: 770-396-3898 / FAX: 770-396-3790, www.council.org

OUR VISION, MISSION AND CORE VALUES

VISION: RMEC & TC's sails are set on a voyage towards achieving quality academic instruction, implementation of community leadership and lifelong learning for all students.

MISSION: RMEC & TC is committed to impart the knowledge and skills that will facilitate the acquisition of those qualities essential to successful global employment and a productive and prosperous life.

CORE VALUES: Accountability, Citizenship, Flexibility, Integrity, Organizational and Personal Learning, Positive Atmosphere and Culture, Preparing Students, Professionalism, Pursuit of Excellence, Respect, and Valuing Stakeholders.

THE SCHOOL BOARD OF MIAMI-DADE COUNTY, FLORIDA

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M-DCPS does not discriminate on the basis of race, color, ethnic or national origin, religion, marital status, disability, genetic information, age, political beliefs, sexual orientation, gender, gender identity, social and family background, linguistic preference, pregnancy, citizenship status, FMLA or any other basis prohibited by law in its educational programs, services, activities, admissions or in its hiring and employment practices. Please refer to School Board Policies 1362, 1362.02, 3362, 3362.02, 4362, 4362.02, 5517 and 5517.02 for more information. For additional information about Title IX or any other discrimination/harassment concerns, contact the U.S. Department of Education Assistant Secretary for Civil Rights and/or: Executive Director/Title IX Coordinator, Office of Civil Rights Compliance, 155 NE 15 Street, Suite P-104E, Miami, Florida 33132; PH: 305-995-1580; E-mail: crc@dadeschools.net; Website: <http://hrdadeschools.net/civilrights>. The District also provides equal access to its facilities, as required by the Boy Scouts of America Equal Access Act.

WELDING TECHNOLOGY – ADVANCED

REFINE YOUR SKILLS IN GAS AND ELECTRIC WELDING EQUIPMENT



- TEACHING THE BASICS
- UPGRADING SKILLS
- IMPROVING PERFORMANCE
- PROVIDING NEW CAREER OPTIONS

ROBERT MORGAN EDUCATIONAL CENTER & TECHNICAL COLLEGE

We provide the highest quality education so that all of our students are empowered to lead productive and fulfilling lives as lifelong learners and responsible citizens.



305.253.9920

ROBERTMORGANTECH.NET



RMECTC



@RMECTC

WELDING TECHNOLOGY – ADVANCED

PROGRAM OBJECTIVE

The mission of the Welding Technology-Advanced Program is to prepare students for employment as an advanced welder in a variety of occupations in the welding industry. The student will gain advanced knowledge on setting up and fabricating fixtures for welding as efficiently as possible in order to maintain cost savings.

PROGRAM CONTENT

The Welding Technology – Advanced course prepares students for entry into the welding industry. Content emphasizes advanced skills key to the success of working in the welding industry. Students study intermediate and advanced Shielded Metal Arc Welding (SMAW) B-Class Welder, pipe fitting fabrication techniques, and advanced Gas Tungsten Arc Welding (GTAW) skills. The program is also designed to prepare advanced welders for entry into emerging welding industries directly related to geographically relevant welding needs of business and industry. The course/program also provides supplemental training for persons previously or currently employed in these occupations. The principles and theories on advanced welding procedures are explored. The principles for fabricating Fixtures to hold parts in place for Robotic Welding, Semi-Automatic Welding, Pipe Welding is expanded in the shop setting.

The principles and theories on the Computer Numerical Controlled Plasma Cutter (CNC) include hands-on set up, basic programming, loading of programs and parts on the computer and basic trouble shooting of the Computer (CNC).

ADMISSION REQUIREMENTS

- ▶ 16 years of age or older and not currently enrolled in any K-12 program
- ▶ Create update profile information on Focus
- ▶ Occupational Interest
- ▶ Prior course graduate of the Applied Welding Technologies class, Welding Technology class or experience of up to 3 years in the field of welding in advanced welding processes. O.A.W., GMAW, GTAW, SMAW and FCAW.
- ▶ Meet with a counselor
- ▶ No specific Information Technology requirement

COMPLETION REQUIREMENTS

The entire program is 750 hours, but student can earn a certificate upon completion of the following OCPs:

OCP	COURSE	HOURS
A	Advanced Welder 1	600
B	Advanced Welder 2	150

Minimum basic-skills grade levels required for awarding a Full Program Completion Certificate are 9th grade in Math, Reading, and Language on the TABE® test, or passing of an Industry Certification. Additional information can be provided by student services.

Students are expected to complete program competencies.

EMPLOYMENT OPPORTUNITIES

- ▶ Aerospace Welder
- ▶ Construction Welder
- ▶ Robotic Welder
- ▶ Tack Welder
- ▶ Pipe Welder
- ▶ Combination Welder
- ▶ Marine Welder
- ▶ Flame Cutter
- ▶ Production Line Welder
- ▶ Welding Lead

EMPLOYMENT REQUIREMENTS

Completion of a Technical Program at an eligible institution is preferred.

SALARY

According to the 2020 Bureau of Labor Statistics the median pay for a welder, cutter, solderer or brazer was **\$44,190** annually or **\$21.25** per hour.

FINANCIAL AID

Financial aid is available to those who qualify. Applicants must have a high school diploma from an accredited High School, or its equivalent. To apply, complete the Free Application for Federal Student Aid, at www.fafsa.gov. Questions pertaining to this matter should be directed to the Financial Aid Office.

PROGRAM COST

- ▶ In-state residents - \$2.56 per hour (Subject to change)
- ▶ Out of state resident - \$10.25 per hour (Subject to change)
- ▶ \$15.00 application fee per trimester
- ▶ Material fee – Varies by program
- ▶ Identification fee - \$5.00 per trimester
- ▶ Liability insurance fee – Varies by program
- ▶ Students must purchase books/kits and/or uniforms, if applicable

PROGRAM HOURS

- ▶ Monday - Thursday from 5:00 p.m. to 11:00 p.m., and Friday from 5:15 p.m. to 8:30 p.m.
- ▶ Monday - Thursday from 9:00 a.m. to 3:00 p.m.