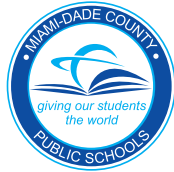
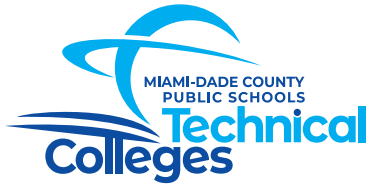


➔ GET A CAREER IN A YEAR*



Learn a Technical Skill in an Industry of High Demand

Mission Statement

The mission of Miami Lakes Educational Center & Technical College is to create a highly qualified future workforce by offering state-of-the-art academic, career and technical education to all generations within our community.

HABLAMOS ESPAÑOL • NOUPALE KREYÒL
Financial aid available to those who qualify.



FOR MORE INFORMATION CALL

305.557.1100

or Visit miamilakes.edu

5780 NW 158 St, Miami Lakes, FL 33014

➤ Electrical and Instrumentation Technology (Building Automation Systems)



➤ Program Content

- Diagnose, test, and debug complex equipment
- Program, modify, and audit programmable logic controllers (PLCs)
- Create and audit maintenance tasks, procedures and logs
- Maintain documentation of downtime and repairs
- Build and implement improvement and fixes
- AC/DC Power Sources
- AC/DC Motors
- Motor Controls
- Transformers
- Over-current Protection and Grounding
- Industrial Power Distribution Systems
- Preventative and Corrective Maintenance
- Electrical Test Equipment
- Hydraulic and Pneumatic Systems
- Process Control Systems
- Instrumentation Drawing
- Technical Reporting
- Employability Skills and Safety

M-DDPS 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 18.02, 18.02.03, 3.00, 3.00.02, 4.00, 4.00.02, 4.00.03, 5.017 and 5.017.02 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: ocr@dadeschools.net, Website: <http://hrcdadeschools.net/> www.doe.gov www.doe.gov. The District also provides equal access to its facilities, as required by the Boy Scouts of America Equal Access Act.

➤ Program Outlook

The Building Automation Systems program will help students develop the high-tech skills necessary for future employment in an exciting new field. Building Automation Systems all technicians to work in living labs where their primary responsibility is to focus on energy efficiency and sustainability. Automation is transforming the way facilities manage real-time energy consumption. Students will prepare for employment in this field by learning control theory, IT networking, electrical and mechanical systems, data analysis, energy management strategies, and systems integration. Building Automation Systems Technician (also referred to as Control/Automation Technicians) are responsible for providing technical solutions to automation-related tasks for their organization. Their responsibilities include designing program for logic controllers, as well as providing maintenance for programmable devices used in production equipment. They also ensure the correct performance of motion controllers and human-machine interfaces. They debug and repair control devices and minimize production loss, as well as create documentation based on the schematics and wiring plans for each device. Technicians must follow electrical regulations and inspect controllers to ensure code compliance.

➤ Length of Program

The average length of this program is 1,800 hours, approximately 20 months, for adults if attending full-time in a clock hour trimester program. Actual time is dependent upon enrollment status, whether you are a full-time or part-time student, and the length of time necessary for the student to achieve competencies. This program contains several occupational completion points designed to prepare students for various entry level jobs within this occupational area.

➤ Entrance Requirements

Students must be at least 16 years old and not attending high school, application, and interview by a guidance counselor. Fees for supplies and textbooks are required.

