



Building Automated Systems Technician

TECHNICAL DIPLOMA Program Code: 30-481-1

Center for Energy Conservation and Advanced Manufacturing (ECAM) at Oak Creek Campus

Learn about emerging technologies and gain the entry-level skills required for careers as technicians and specialists in building automation and controls. This industry encompasses a broad range of technologies used to efficiently control electrical and mechanical systems in commercial, industrial and institutional buildings. Courses are taught in the Building Automated Systems Lab.

Career Outlook

In this field, there is potential for advancement, progressing from entry-level installation work to troubleshooting and programming duties to facility management.

Program Learning Outcomes

- Perform building and energy use assessments
- Install equipment and materials
- Service building automation systems

Admission Requirement

- A high school diploma or GED



Manufacturing, Construction & Transportation
MILWAUKEE AREA Technical College

matc.edu | 414-297-MATC

Start dates: August and January

For complete information, go to

matc.edu/course-catalog/manufacturing-construction-transportation

To apply for financial aid, visit fafsa.gov School Code: 003866

COURSES

Credits

BAS-140	Building Systems 1	3
BAS-141	Building Systems 2	2
BAS-142	Measurement and Verification	1
BAS-143	Electrical Concepts/Control 1	2
BAS-144	Control Theory 2 ‡	2
BAS-150	Energy Auditing	2
BAS-145	Control Theory 3 ‡	2
BAS-148	Automated Building Control Systems ‡	4
BAS-149	Networking Automated Building Systems	4
BAS-151	Commissioning Automated Building Systems ..	2
BAS-153	ABS Capstone Project Course ‡	1

TOTAL CREDITS: 25

‡ Prerequisite required.

Program curriculum requirements are subject to change.

Current MATC students should consult their Academic Program Plan for specific curriculum requirements.

Possible Careers

- Controls Technician (Field-Based)
- Control Systems Installer
- HVAC Controls Technician
- Building Automation Systems Specialist, Integrator or Technician
- Control Systems Designer
- Energy Management Technician
- Systems Technician or Specialist
- Application Engineer

Related Programs

- Air Conditioning and Refrigeration Technology
- Power Engineering and Boiler Operator
- Refrigeration, Air Conditioning and Heating Service Technician
- Apprenticeships including Refrigeration and Air Conditioning, Environmental Service Technician, Industrial Manufacturing Technician



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matc.edu or **414-297-MATC**
Wisconsin Relay System 711

Downtown Milwaukee Campus

700 West State Street

Mequon Campus

5555 West Highland Road

Oak Creek Campus

6665 South Howell Avenue

West Allis Campus

1200 South 71st Street

MATC Education Center at Walker's Square

816 West National Avenue, Milwaukee