

Building Automated Systems Technician

PROGRAM CODE: 30-481-1



Technical Diploma



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

Start Dates: August and January

Admission Requirement: High school diploma or equivalent

Financial Aid Eligible: Yes. Use code 003866 at fafsa.gov.

Program Description

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.



Complete Program Details

QUESTIONS? 414-297-8901 or mctpathway@matc.edu

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

CREDITS

Total credits needed to complete this diploma

25

‡ Prerequisite required.

Program curriculum requirements are subject to change.

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

MATC courses are offered in person, entirely online or partially online.

Check each course's delivery options in Self-Service at selfservice.matc.edu.