

# Building Automated Systems Technician

PROGRAM CODE: 30-481-1



Technical Diploma



COURSE	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

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

**Start Dates:** August and January

**Admission Requirement:** High school diploma or GED

**Financial Aid Eligible:** Yes.

Apply at [fafsa.gov](https://fafsa.gov). Use School Code 003866.

### 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.**

### 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](mailto:mctpathway@matc.edu)