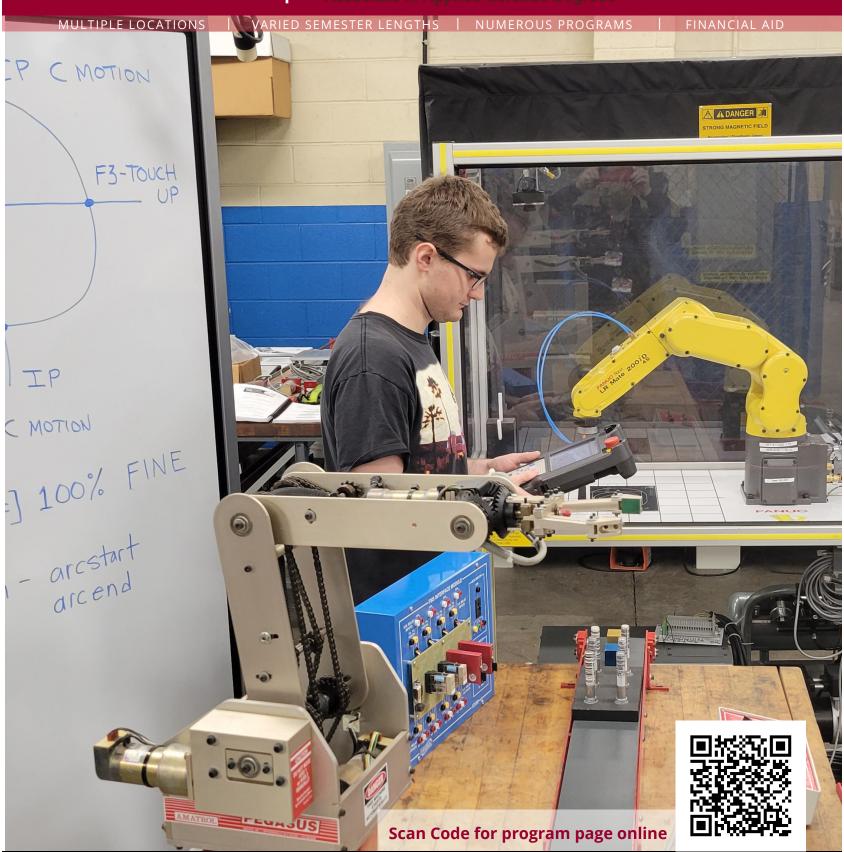


# 2025 - 2026 Mechatronics Engineering Technology

**Associate in Applied Science Degrees** 









Courses requiring a grade of "C" or better: ATR, DFT, EGR, ELC, ELN, HYD, ISC, MAC, MEC, and WLD

# Mechatronics Engineering Technology

A course of study that prepares the students to use basic engineering principles and technical skills in developing and testing automated, servomechanical, and other electromechanical systems. Includes instruction in prototype testing, manufacturing and operational testing, systems analysis and maintenance procedures.

Graduates should be qualified for employment in industrial maintenance and manufacturing including assembly, testing, startup, troubleshooting, repair, process improvement, and control systems, and should qualify to sit for Packaging Machinery Manufacturers Institute (PMMI) mechatronics or similar industry examinations.

#### For More Information:

Contact Kevin Kiser by email at kevinskiser@abtech.edu

## **Total Cost Estimate**

aas-cost-estimate

Tuition per Semester (NC Resident) \$1,216.00 (16+ credit hours)

\$76.00/credit hour (1-15 hours)

Computer Use and Technology Fee \$48/semester

Activity Fee Fall and Spring semesters only, Main campus and Online, \$35.00

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CAPS Fee (Campus Access, Parking and \$20/semester Security)

Matriculation Fee \$10/semester

Student Insurance \$2/Semester

Additional Fees including books may incur, please check A-B Tech website for more detail: https://abtech.edu/program/mechatronics-engineering-technology-

Have you applied for Financial aid? Please visit A-B Tech website for instructions: https://abtech.edu/future-students/financial-aid/applying-aid

### **Diploma and Certificate Available:**

Maintenance & Reliability Diploma Basic Industrial Maintenance Certificate

For more information, please visit:

https://abtech.edu/programs/academic/mechatronics-engineering-technology

Course Pre	fix Course Name	Credit Hours
CIS 110	Introduction to Computers	3
DFT 154	Intro to Solid Modeling	3
EGR 110	Intro to Engineering Technology	2
ELC 111	Intro to Electricity	3
ENG 111	Writing and Inquiry	3
Segment of the control of the contro	Blueprint Reading/Mach I	2
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වි COM 231	Public Speaking	3
S HYD 110	Hydraulics/Pneumatics I	3
ja MEC 110	Introduction to CAD/CAM	2
MEC 130	Mechanisms	3
% WLD 112	Basic Welding Processes	2
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Specific COM 231 (Sp.) HYD 110 HYD 110 MEC 130 WLD 112 MCC 130 WLD 112		
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E HUM 115	Critical Thinking	3
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Third Semester (Summer) Semester (Summer) Light Hum 112 Semester (Summer) Light Hum 115 Light Hum 11		
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<b>≘</b> ATR 112	Intro to Automation	3
ELN 260	Prog Logic Controllers	4
150 ISC 121	Envir Health & Safety	3
MAT 171	Precalculus Algebra	4
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(a) ATR 112 ELN 260 TO SEC 121 ELN 171 ELN 260 TO SEC 121 ELN 171 ELN 260 TO SEC 121 ELN 260 ELN 260 ELN 171 ELN 171 ELN 260		
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⊕ ATR 212	Industrial Robots	3
ELC 213	Instrumentation	4
<u>S</u> ELC 228	PLC Applications	4
Series Spring ELC 213 Spring ELC 228 PHY 151	College Physics I	4
Semi		
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臣	Program Totals:	68