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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

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
CAPS Fee (Campus Access, Parking and Security)	\$20/semester
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-aas-cost-estimate>

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 Prefix	Course Name	Credit Hours
First Semester (Fall)	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
	MAC 131	Blueprint Reading/Mach I	2
Second Semester (Spring)	COM 231	Public Speaking	3
	HYD 110	Hydraulics/Pneumatics I	3
	MEC 110	Introduction to CAD/CAM	2
	MEC 130	Mechanisms	3
	WLD 112	Basic Welding Processes	2
Third Semester (Summer)	ELC 117	Motor and Controls	4
	HUM 115	Critical Thinking	3
	PSY 150	General Psychology	3
Fourth Semester (Fall)	ATR 112	Intro to Automation	3
	ELN 260	Prog Logic Controllers	4
	ISC 121	Envir Health & Safety	3
	MAT 171	Precalculus Algebra	4
Fifth Semester (Spring)	ATR 212	Industrial Robots	3
	ELC 213	Instrumentation	4
	ELC 228	PLC Applications	4
	PHY 151	College Physics I	4
Program Totals:			68