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Mechanical Engineering Technology

A course of study that prepares students to use basic engineering principles and technical skills to design, develop, test, and troubleshoot projects involving mechanical systems. Includes instruction in principles of mechanics, applications to specific engineering systems, design testing procedures, prototype and operational testing and inspection procedures, manufacturing system-testing procedures, test equipment operation and maintenance, computer applications, critical thinking, planning and problem solving, and oral and written communications. Graduates of the curriculum will find employment opportunities in the manufacturing or service sectors of engineering technology. Engineering technicians may obtain professional certification by application to organizations such as ASQC, SME, and NICET.

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, \$45.00

CAPS Fee (Campus Access, Parking and Security) \$30/semester

Matriculation Fee \$25/semester

Student Insurance \$2/Semester

Additional Fees including books may incur, please check A-B Tech website for more detail: <https://abtech.edu/program/mechanical-engineering-technology-aas-associate-applied-science-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>

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

	Course Prefix	Course Name	Credit Hours
First Semester (Fall)	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
	MAT 171	Precalculus Algebra	4
Second Semester (Spring)	DFT 151	CAD I	3
	HYD 110	Hydraulics/Pneumatics I	3
	ISC 121	Envir Health & Safety	3
	MEC 110	Introduction to CAD/CAM	2
	MEC 145	Mfg. Materials I	3
Third Semester (Summer)	COM 231	Public Speaking	3
	HUM 115	Critical Thinking	3
	ELC 117	Motor and Controls	4
Fourth Semester (Fall)	ATR 112	Intro to Automation	3
	DFT 154	Intro to Solid Modeling	3
	EGR 250	Statics/Strength of Mater	5
	ELN 260	Prog Logic Controllers	4
Fifth Semester (Spring)	ATR 212	Industrial Robots	3
	DFT 254	Intermed Solid Model/Render	3
	EGR 285	Design Project	2
	PHY 151	College Physics I	4
	PSY 150	General Psychology	3
	TDP 110	Introduction to 3D Printing	3
Program Totals:			71

Advising questions? Email: advising@abtech.edu

Certificates Available:

Mechanical Engineering Technology: Automation & Robotics Certificate

Computer Aided Drafting Certificate

Solid Modeling Certificate

For more information, please visit:

<https://abtech.edu/programs/academic/mechanical-engineering-technology>