



2023 - 2024

# Associate in Science: Pre-Engineering Pathway

Arts and Sciences / University Transfer

MULTIPLE LOCATIONS | VARIED SEMESTER LENGTHS | NUMEROUS PROGRAMS | FINANCIAL AID



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# Associate in Science: Pre-Engineering Pathway

**All Pathways are design to transfer to a four-year institution for eventual completion of a BA/BS or BFA degree.**

The Pre-Engineering pathway is intended to lead to a student earning a bachelor's of science in engineering degree at a four-year university. Completers of this degree will be prepared to enter a bachelor's program at a four-year college or university in majors in a variety of engineering disciplines, including but not limited to: mechanical engineering, electrical engineering, computer engineering, chemical engineering, civil engineering, biomedical engineering, aerospace engineering, and environmental engineering. With this degree, graduates can work as professional engineers whose primary focus is design of systems.

### For More Information:

Contact Valerie Marin by email at [valerielmartin@abtech.edu](mailto:valerielmartin@abtech.edu) or call 828.398.7385

### Total Cost Estimate

<b>Tuition per Semester (NC Resident)</b>	\$1,216.00 (16+ credit hours) \$76.00/credit hour (1-15 hours)
<b>Computer Use and Technology Fee</b>	\$48/semester
<b>Activity Fee</b>	Fall and Spring semesters only, Main campus and Online, \$35.00
<b>CAPS Fee (Campus Access, Parking and Security)</b>	\$20/semester
<b>Matriculation Fee</b>	\$6/semester
<b>Student Insurance</b>	\$2/Semester
<b>Consumable Supply Fees</b>	\$20 Some ART, BIO,CHM, HEA, PED, and PHY courses
<b>Books</b>	cost may vary

	Course Prefix	Course Name	Credit Hours
1st Semester	ACA 122	College Transfer Success	1
	CHM 151	General Chemistry I	4
	EGR 150	Introduction to Engineering	2
	ENG 111	Writing and Inquiry	3
	MAT 171	Precalculus Algebra (or MAT 271)	4
2nd Semester	DFT 170	Engineering Graphics	3
	ENG 112	Writing/Research in the Disc	3
	MAT 172	Precalculus Trigonometry (or MAT 272)	4
	PHY 151	College Physics I (or PHY 251)	4
3rd Semester	ECO 251	Prin of Microeconomics	3
	HIS 112	World Civilizations II	3
	MAT 271	Calculus I (or MAT 273)	4
	PHI 240	Introduction to Ethics	3
	PHY 152	College Physics II (or PHY 252)	4
4th Semester	COM 231	Public Speaking	3
	HUM 220	Human Values and Meaning	3
	MAT 152	Statistical Methods I	4
	MAT 272	Calculus II (or MAT 285)	4
	SOC 210	Introduction to Sociology	3

AA and AS degrees require completion of a minimum of 60 semester hours of credit, but pathways may include extra hours to meet university baccalaureate degree plans. Completion of hours beyond 60 may not be required to meet AA or AS graduation requirements but is recommended based on programs offered by intended transfer institutions.