



# 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 Dr. Steve Heulett by email at [steventheulett@abtech.edu](mailto:steventheulett@abtech.edu) or call 828.398.7184

**Total Cost Estimate**

<b>Tuition per Semester (NC Resident) (Subject to change)</b>	\$1,216.00 (16+ credit hours) \$76.00/credit hour (1-15 hours)
<b>Activity Fee</b>	Fall and Spring semesters only, Main campus only, \$35.00
<b>Computer Use and Technology Fee</b>	\$48/semester
<b>Student Insurance</b>	\$2/semester
<b>CAPS Fee</b>	\$20/semester
<b>Consumable Supply Fees</b>	\$15 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
	COM 231	Public Speaking	3
	EGR 150	Introduction to Engineering	2
	ENG 111	Writing and Inquiry	3
	MAT 171	Precalculus Algebra	4
2nd Semester	DFT 170	Engineering Graphics	3
	ENG 112	Writing/Research in the Disc	3
	MAT 172	Precalculus Trigonometry	4
	PHI 240	Introduction to Ethics	3
3rd Semester	ECO 251	Prin of Microeconomics	3
	HUM 110	Technology and Society	3
4th Semester	BIO 111	General Biology I	4
	COM 110	Introduction to Communication	3
	CHM 151	General Chemistry I	4
	HIS 112	World Civilizations II	3
5th Semester	CHM 152	General Chemistry II	4
	ECO 252	Prin of Macroeconomics	3
	HUM 220	Human Values and Meaning	3
	PED 110	Fit and Well for Life	2
	PSY 150	General Psychology	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.