



Associate in Engineering

The Associate in Engineering (AE) degree shall be granted for a planned program of study consisting of a minimum of 60 semester hours of credit (SHC) of courses. Within the degree program, the institution shall include opportunities for the achievement of competence in reading, writing, oral communication, fundamental mathematical skills, and basic computer use.

The degree plan includes required general education and prerequisite courses that are acceptable to all state funded Bachelor of Engineering programs. Students who follow the degree progression plan will meet the entrance requirements at all of the North Carolina public Bachelor of Science Engineering programs. Associate in Engineering graduates may then apply to any of these programs without taking additional and sometimes duplicative courses. Admission to Engineering programs is highly competitive and admission is not guaranteed.

To be eligible for the transfer of credits under the AE to the Bachelor of Science in Engineering Articulation Agreement, community college graduates must obtain a grade of "C" or better in each course and an overall GPA of at least 2.5 on a 4.0 scale.

For More Information:

Contact Starr Silvis at 828-398-7362 or beckyesilvis@abtech.edu

Total Cost Estimate

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

Western Carolina University Pathway

	Course Prefix	Course Name	Credit Hours
First 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 271	Calculus I	4
Second Semester	DFT 170	Engineering Graphics	3
	ENG 112	Writing/Research in the Disc	3
	MAT 272	Calculus II	4
	PHY 251	General Physics I	4
Third Semester	COM 231	Public Speaking	3
	MAT 273	Calculus III	4
	MAT 280	Linear Algebra	3
	PHI 240	Introduction to Ethics	3
	PHY 252	General Physics II	4
Fourth Semester	CSC 134	C++ Programming	3
	ECO 251	Prin of Microeconomics	3
	EGR 220	Engineering Statics	3
	HIS 112	World Civilizations II	3
	MAT 285	Differential Equations	3

The Associate in Engineering - General Pathway program is designed to be taken in the Fall and Spring semesters for transfer to Western Carolina University's Bachelor of Science in Engineering (BSE) with a concentration in Manufacturing or Mechanical. For Summer semesters and/or transfer to other universities, see your advisor.

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.