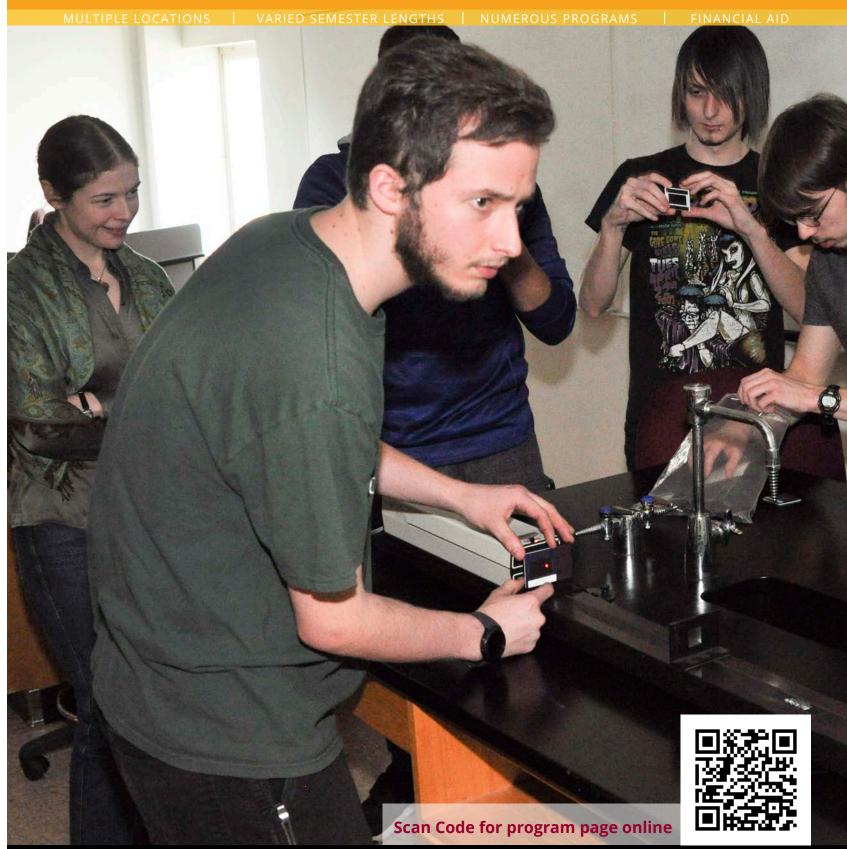


## 2023 - 2024 Associate in Science: Physics Pathway

**Arts and Sciences / University Transfer** 



## Associate in Science: Physics Pathway

All Pathways are designed to transfer to a four-year institution for eventual completion of a BA/BS degree.

Physics is the study of the physical world; what it's like, what it's made of, and how it all fits together. In physics, you study everything from the innermost workings of the atom to the interactions between entire galaxies in the universe, and more. Physics is crucial to understanding the world around us, the world inside us, and the world beyond us. Physics is the most basic and fundamental science.

Students of physics are trained to use mathematics and problem-solving techniques, along with fundamental physics principles, to understand and solve problems dealing with mechanics, electricity and magnetism, thermodynamics, electronics, relativity, and quantum mechanics. In this way, one is able to come to understand this physical universe of ours, and come to appreciate how it all fits together.

A major in physics can prepare students for a career in areas such as engineering, computer science, mathematics, astronomy, medicine, law, business, and education.

## For More Information:

Contact Susan Schwarz by email at susanjschwarz@abtech.edu or call 828-398-7630

## **Total Cost Estimate**

**Books** 

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	\$6/semester		
Student Insurance	\$2/Semester		
Consumable Supply Fees	\$20 Some ART, BIO,CHM, HEA, PED, and PHY courses		

cost may vary

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.

Ì		Cour	se Prefi	x Course Name	Credit Hours
ı		ACA	122	College Transfer Success	1
	ter	CHM	151	General Chemistry I	4
	Semester	COM	231	Public Speaking	3
	Ser	ENG	111	Writing and Inquiry	3
	1st	MAT-	271	Calculus I	4
ı	١.	ART	111	Art Appreciation	3
ı	ster	ENG	112	Writing/Research in the Disc	3
ı	me	HIS	112	World Civilizations II	3
ı	2nd Semester	MA	272	Calculus II	4
	2n				
ı	J.	MAT	273	Calculus III	4
	3rd Semester				
ı	d Ser				
ı	3rc				
ı	_	ECO	251	Prin of Microeconomics	3
ı	este	FRE	111	Elementary French I (or SPA 111)	3
ı	em	HIS	111	World Civilizations I	3
ı	4th Semester	PHY	251	General Physics I	4
	4				
		505		5 1 11 ( 221 442)	
	er	FRE	112	Elementary French II (or SPA 112)	3
	nest	HUM		Human Values and Meaning	3
	Sen	MAT		Differential Equations	3
	5th Semester	PED	110	Fit and Well for Life	2
		PHY	252	General Physics II	4