

Associate in Science (AS) to BS in Physics

	ECU Course	ECU S.H.	NCCCS Course Equivalent
Freshman Year at Community College			
Fall Semester	COAD 1xxx	1	ACA 122
	ENGL 1100 (WI)	3	ENG 111
	Social Science	3	UGETC Courses
	MATH 1065	3	MAT 171
	CHEM 1150/1151	4	CHM 151
	KINE 1000	1	PED 110
	Total:	15	
Spring Semester	CHEM 1160/1161	4	CHM 152
	Social Science	3	UGETC Courses
	Humanities/Fine Arts	3	UGETC Courses
	MATH 1083	3	MAT 172
	Total:	13	
Sophomore Year at Community College			
Fall Semester	ENGL 2201 (WI)	3	ENG 112
	MATH 2171	4	MAT 271
	CAA Premajor/Elective	1	CAA Premajor/Elective
	Humanities/Fine Arts	3	UGETC Courses
	HLTH 1000	2	HEA 110
	Total:	13	
Spring Semester	PHYS 2350 (+1251)	5	PHY 251
	CAA GEN ED	7	CAA GEN ED
	MATH 2172	4	MAT 272
	Total:	16	
Summer Session at Community College or East Carolina University			
Summer I	MATH 2173	4	MAT 273
	Total:	4	
Summer II	PHYS 2360 (+1261)	5	PHY 252
	Total:	5	
Junior Year at East Carolina University			
Fall Semester	PHYS 4610 ¹	3	No Equivalent
	PHYS 4416	3	No Equivalent
	MATH 4331	3	MAT 285
	General Electives	6	ECU or CC Transferrable Courses
	Total:	15	
Spring Semester	PHYS 4417	3	No Equivalent
	PHYS 4560	3	No Equivalent
	General Electives	6	ECU or CC Transferrable Courses
	Total:	12	
Senior Year at East Carolina University			
Fall Semester	PHYS 4226	3	No Equivalent
	PHYS 4310 ²	3	No Equivalent
	PHYS 4326	3	No Equivalent
	General Electives	6	ECU or CC Transferrable Courses
	Total:	15	
Spring Semester	PHYS 3700, 3701 (WI)	3	No Equivalent
	PHYS 4120 ³	3	No Equivalent
	PHYS Elective (above 2999)	3	No Equivalent
	General Electives	6	ECU or CC Transferrable Courses
	Total:	15	

Minimum S.H. Required for Degree 126

The BS is a traditional physics program designed for students interested in graduate study in physics or engineering. Students should take MATH 2173 (Calculus III) before entering their Junior Year. Students should also aim to complete the PHYS 2350 & 2360 sequence before Junior Year.

¹Only offered fall of odd years.

²Only offered fall of even years.

³Only offered spring of odd years.

All guides are meant as an example of how a degree can be completed. However, individual plans will be developed for each student in consultation with the academic advisor. Course availability, prior credit, course prerequisites, major requirements, and student needs must be considered in developing the individual academic pathway.