

2025-2026

Major Academic Plan (MAP)—B.S. Applied Physics

Academic Credit Hours 120+ROTC

Freshman

Fall	LDRS 101 (1)	PHYS 101 (3)	FSEM 101 (3)	FSWI 101 (3)	MATH 119 or 131 (4)	Language (3)			ROTC Basic	17
Spring		PHYS 221 (3)	← PHYS 271 Lab (1)	RPED 260 (3)	MATH 131 or 132 (4)	Language (3)			ROTC Basic	<u>14</u> 31

Sophomore

Fall	LDRS 211 Fall or Spring (0)	PHYS 222 (3)	← PHYS 272 Lab (1)	MATH 132 or 231 (4)	← COMM 260 (3)	Strand 1 (3)			ROTC Basic	14
Spring		PHYS 224 (3)	← PHYS 274 Lab (1)	CSCI 205 (3)	MATH 231 or 234 (4)	PHYS 307 (3)	← PHYS 357 (1)		ROTC Basic	15 ----- 29

Junior

Fall	LDRS 311 (0)	PHYS 223 (3)	PHYS 315 (3)	MATH 234 (4) (if not taken previously)	PHYS 308 (3)	← PHYS 358 Lab (1)	CHEM 151 & 161 (4)	RPED (0)	ROTC Advanced	14-18
Spring		PHYS 309 (3)	PHYS 310 (3)	PHYS 351 (3)	CHEM 152 (3)	← CHEM 162 Lab (1)	LDRS 371 (3)	RPED (0)	ROTC Advanced	<u>16</u> 30-34

Senior

Fall	LDRS 411 (0)	PHYS 403 (3)	PHYS 405 (3)	PHYS 420 (3)	Approved PHYS Elective* (3)	Strand 3 (3)			ROTC Advanced	15
Spring		PHYS 410 (3)	PHYS 421 CAPSTONE (3)	Approved PHYS Elective* (3)	Strand 4 (3)	LDRS 202 (3)			ROTC Advanced	<u>15</u> 30

TOTAL: 120-124

Note: The blue cells represent courses in General Education. The gray cells represent graduation requirements. The orange cells are non-departmental requirements, and yellow cells are major requirements.

*Approved Electives: One must be in PHYS, one from BIO, CHEM, PHYS, MATH, CSCI or Engineering classes 301 or above, otherwise by permission of Physics Dept. Head. Required hours for graduation are 123 plus the credit hours from successful completion of ROTC.

BS PHYS majors can count CHEM 151/161 or BIOL 130/131 as the Science Strand.

Strand Requirement: Students must complete four strand courses, which may be completed in any order: English (ENGS 30X), History (HISS 30X), and Social Science (SCSS 30X).