

Physics B.A.

Degree Requirements: 124 Credit Hours

See Core Curriculum for required courses in Area A1 through Area E.

	Credit Hours
General Requirements (Core A - E)	42
Area A2 -- Must take MATH 1112, MATH 1113, or MATH 1441 ¹	
Area DII -- Must take MATH 1441 if not taken in Area A2 above	
Additional Requirements	4
Area F - Courses Appropriate to Major ²	18
MATH 2242 Calculus II	
PHYS 1210 Survey of Physics	
PHYS 2211K Principles of Physics I	
PHYS 2212K Principles of Physics II	
Additional hours in physics, astronomy, math, computer science or chemistry	
Major Requirements	11
PHYS 3536 Modern Physics I	
PHYS 3537 Modern Physics II	
PHYS 3630 Undergraduate Seminar ³	
PHYS 4421 Advanced Physics Lab I	
Major Emphasis	
Select an emphasis area below to complete the Major ⁴	12
General Physics	
Students must complete 12 credit hours of upper-division (3000+) ASTR or PHYS coursework.	
Astronomy	
ASTR 3790 Teaching Internship in Astronomy	
Students must complete 11 additional credit hours of upper-division (3000+) ASTR or PHYS coursework. A minimum of 6 credit hours must be in Astronomy.	
Electronics	
PHYS 3542 Analog Electronics	
PHYS 3543 Digital Electronics	
Students must complete 4 additional credit hours of upper-division (3000+) ASTR or PHYS coursework.	
Foreign Language (2002 Level)	0-9
Completion through 2002-level Foreign Language ⁵	
Minor	15
Select 15 credit hours of Minor	
Electives	13-22
Students must complete 13-22 additional credit hours in any subject area (Students seeking the Astronomy Emphasis must include the courses below, if not taken in Area D or Area F). ⁶	
ASTR 1010 Astronomy of the Solar System	
ASTR 1020 Stellar and Galactic Astronomy	
ASTR 1211 Astronomy Lab	
Total Credit Hours	124

¹ While Calculus I (MATH 1441) is 4 credit hours, only 3 credit hours will count toward fulfilling Area A2. The remaining credit hour will be applied toward Electives.

² Students must complete Calculus I (MATH 1441) and Calculus II (MATH 2242)

³ Undergraduate Seminar (PHYS 3630) is a 1 credit hour class, repeatable for credit. 3 credit hours are required in the Major Requirements of the BA Physics degree. Additional repeated hours will not count toward graduation.

⁴ Astronomy Emphasis only available on Statesboro campus. Electronics Emphasis only available on Armstrong campus. General Emphasis available on both campuses

⁵ May be satisfied by a secondary school background showing four (4) years or more of preparation in a single language

⁶ Students must complete at least 39 credit hours of upper division course work overall.

Honors in Physics

To graduate with Honors in Physics, a student must:

- be admitted to the Honor College;
- complete 3-credit hours in honors PHYS 5890 or ASTR 5890 (in a minimum of two regular semesters);
- successfully complete and present an Honors Thesis or Capstone Project;
- be in good standing in the Honor College at the time of graduation.

Advisement

Undergraduate Academic Advisement at Georgia Southern is provided to all degree-seeking undergraduate students by professional advisors. Academic Advisors are located on all three Georgia Southern University campuses. Students are required to meet with their assigned Academic Advisor at least once a semester. For more information visit the Academic Advisement (<http://catalog.georgiasouthern.edu/undergraduate/academic-resources/programs-requirements/advisement/>) catalog page.