# Bachelor of Science (B.S.) Major in Physics

Minimum required: 120 semester hours.

## General Requirement
1. The major requires at least 48-50 hours.

## Course Requirements

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Total Hours: 120

1. BIO 1330/BIO 1130 and BIO 1331/BIO 1131 may be taken instead of CHEM 1141, CHEM 1341, and CHEM 1142, CHEM 1342 listed below
2. See the Academic Services section of this catalog for general education core curriculum requirements.
3. Recommended minor is mathematics. Minors and electives should be chosen in consultation with the academic advisor.
4. A minimum of 9 writing intensive hours and a total of 36 advanced hours are required to graduate. An advanced course is one that is numbered above 3000 and below 5000.
5. If two years of the same foreign language were taken in high school, then no additional language hours required for the degree. In the absence of such high school language, two semesters of the same modern language must be taken at the college level.

## PHYS Electives

At least 13-15 advanced PHYS chosen from:

- PHYS 3210 Physics Cognition and Pedagogy
- PHYS 3315 Thermodynamics
- PHYS 3416 Applied Electronics
- PHYS 3417 Optics
- PHYS 4305 Statistical Physics
- PHYS 4311 Condensed Matter Physics
- PHYS 4313 Quantum Mechanics II
- PHYS 4314 Mechanics II
- PHYS 4317 Computational Physics (fall)
- PHYS 4320 Selected Study in Physics
- PHYS 4321 Undergraduate Research (see dept.)
- PHYS 4340 Materials Physics Laboratory (spring)

Or courses approved by the department advisor