

BA in Physics

Below is a sample 4-year plan for students pursuing the BA in Physics. To view the list of courses approved to fulfill Core 34, please visit the KU Core 34 page (<https://catalog.ku.edu/core34/>).

This degree plan assumes students will have the equivalent of MATH 101 or MATH 104 prior to freshman year, fall semester.

Freshman

| Fall | Hours Spring | Hours |
|---|--|-----------|
| MATH 125 (Core 34: Math and Statistics (SGE)) ^{030*} | 4 MATH 126 (BA Quantitative Reasoning (QR), Major Pre-requisite) | 4 |
| CHEM 130 (Core 34: Natural and Physical Sciences (SGE)) ^{040*} | 5 PHSX 211 & PHSX 216 (Major Requirement) | 5 |
| Core 34: English (SGE) ⁰¹⁰ | 3 Core 34: English (SGE) ⁰¹⁰ | 3 |
| Core 34: Social and Behavior Science (SGE) ⁰⁵⁰ | 3 Core 34: Communications (SGE) ⁰²⁰ | 3 |
| PHSX 150 (Major Requirement) | 0.5 | |
| | 15.5 | 15 |

Sophomore

| Fall | Hours Spring | Hours |
|--|---|-----------|
| PHSX 212 & PHSX 236 (Major Requirement), or PHSX 214 | 4 PHSX 313 (Major Requirement) ³ | 3 |
| MATH 127 | PHSX 316 (Major Requirement) | 1 |
| MATH 290 | 4 MATH 220 or 320 | 3 |
| 1st Semester Language (BA Second Language) | 2 Core 34: Arts and Humanities (SGE) ⁰⁶⁰ | 3 |
| 5 2nd Semester Language (BA Second Language) | | 5 |
| | 15 | 15 |

Junior

| Fall | Hours Spring | Hours |
|--|--|-----------|
| PHSX 521 | 3 PHSX 536 (or Elective/KU Core) | 4 |
| Core 34: Social and Behavior Science (SGE) ⁰⁵⁰ | 3 PHSX 611 | 3 |
| Core 34: Arts and Humanities (SGE) ⁰⁶⁰ | 3 Core 34: US Culture (SGE) ⁰⁷⁰ | 3 |
| 3rd Semester Language (BA Second Language) | 3 4th Semester Language (BA Second Language) ¹ | 3 |
| Second Area of Study/ Elective/Degree/Junior-Senior Hours ⁷ | 3 Second Area of Study/ Elective/Degree/Junior-Senior Hours ⁷ | 3 |
| | 15 | 16 |

Senior

| Fall | Hours Spring | Hours |
|------------------------------|--|-------|
| PHSX 531 (Major Requirement) | 3 PHSX Lecture or Lab Elective 500+ (Major Requirement) ⁵ | 3 |

| | | |
|--|--|-----------|
| PHSX 616 or 536 (or Elective/KU Core) ⁴ | 4 PHSX 503 (Recommended; Capstone Requirement) ⁶ | 3 |
| Core 34: Global Culture (SGE) ⁰⁷⁰ | 3 Second Area of Study/ Elective/Degree/Junior-Senior Hours ⁷ | 3 |
| Second Area of Study/ Elective/Degree/Junior-Senior Hours ⁷ | 3 Second Area of Study/ Elective/Degree/Junior-Senior Hours ⁷ | 3 |
| Second Area of Study/ Elective/Degree/Junior-Senior Hours ⁷ | 3 Second Area of Study/ Elective/Degree/Junior-Senior Hours ⁷ | 1 |
| | 16 | 13 |

Total Hours 120.5

- ¹ For students completing the language requirement via the 3+1 language option, note that many first semester languages are 5 credit hours.
- ² Prerequisite for MATH 125: MATH 104; or MATH 103; or three years of college preparatory mathematics including trigonometry and a score of 28 or higher on ACT mathematics; or a qualifying score on the mathematics placement test.
- ³ MATH 320 or MATH 220 (or MATH 221) is a pre-requisite for PHSX 313.
- ⁴ Either PHSX 536 or PHSX 616 is required for the major, not both.
- ⁵ A 500+ level Physics laboratory or lecture elective is required for the major.
- ⁶ It is recommended that students fulfill the Capstone Requirement with a course from within their major. PHSX 503 Undergraduate Research is not required by the major, but is an encouraged course to fulfill the Capstone Requirement and to fulfill research experience.
- ⁷ Hour requirements (incl. 45 jr/sr hrs) are typically met through Core 34, degree, major, second area of study and/or elective hours. Students completing the BGS with a major must choose a secondary area of study. Individual degree mapping is done in partnership with your advisor.

Please note:

All students in the College of Liberal Arts and Sciences are required to complete 120 total hours of which 45 hours must be at the Jr/Sr (300+) level.

Notes:

* - This course is a Required major course and is also part of Core 34: Systemwide General Education. If this course is not taken to fulfill the Core 34:SGE requirement, it must be taken in place of elective hours.

** - This course is a Recommended Core 34: Systemwide General Education course. This specific course is not required but is recommended by the program's faculty.

*** - This course is a Required Core 34: Systemwide General Education course. This program is approved by the Kansas Board of Regents to require this specific Core 34: Systemwide General Education course. If a student did not take this course it must be taken in addition to other degree requirements.