

# BS in Physics with concentration in Interdisciplinary Physics

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

## Freshman

Fall	Hours	Spring	Hours
MATH 125 (Core 34: Math and Statistics (SGE), Major Requirement) <sup>030*</sup>	4	MATH 126 (Major Requirement)	4
PHSX 150 (Major Requirement)	0.5	PHSX 213 or 211 <b>and</b> 216 (Major Requirement)	5
CHEM 130, 150, 170, or 190 <b>and</b> 191 (Core 34: Natural and Physical Sciences (SGE), Major Requirement) <sup>040*</sup>	5	Core 34: English (SGE) <sup>010</sup>	3
Core 34: English (SGE) <sup>010</sup>	3	Core 34: Arts and Humanities (SGE) <sup>060</sup>	3
Core 34: Social and Behavior Science (SGE) <sup>050</sup>	3		
	<b>15.5</b>		<b>15</b>

## Sophomore

Fall	Hours	Spring	Hours
PHSX 214 or 212 <b>and</b> 236 (Major Requirement)	4	MATH 320 (Major Requirement)	3
MATH 290 (Major Requirement)	2	Chemistry, Biology, or Geology Elective (Major Requirement)	3
MATH 127 (Major Requirement)	4	PHSX 313 (Major Requirement)	3
EECS 138 or 168 (Major Requirement) <sup>3</sup>	3	PHSX 316 (Major Requirement)	1
Core 34: Communications (SGE) <sup>020</sup>	3	PHSX 315	3
		PHSX 503 or 501 (Major Requirement)	1
	<b>16</b>		<b>14</b>

## Junior

Fall	Hours	Spring	Hours
PHSX 521 (Major Requirement)	3	PHSX 536 or 621 (Major Requirement)	4
Math Elective (Major Requirement)	3	PHSX 611 (Major Requirement)	3
Core 34: Arts and Humanities (SGE) <sup>060</sup>	3	Core 34: Social and Behavior Science (SGE) <sup>050</sup>	3
Core 34: Global Culture (SGE) <sup>070</sup>	3	Second Area of Study/ Elective/Degree/Junior-Senior Hours <sup>2</sup>	3

Second Area of Study/ Elective/Degree/Junior-Senior Hours <sup>2</sup>	3	Second Area of Study/ Elective/Degree/Junior-Senior Hours <sup>2</sup>	3
	<b>15</b>		<b>16</b>
<b>Senior</b>			
<b>Fall</b>	<b>Hours</b>	<b>Spring</b>	<b>Hours</b>
PHSX 531 (Major Requirement)	3	PHSX 631, 621, or 536 (Major Requirement)	3
PHSX 616 or 711 (Major Requirement)	4	PHSX 503 or 501 (Capstone) <sup>1</sup>	3
PHSX 671 (Major Requirement)	3	Interdisciplinary Science Elective (Major Requirement)	3
Interdisciplinary Science Elective (Major Requirement)	3	PHSX Elective (Major Requirement)	3
Core 34: US Culture (SGE) <sup>070</sup>	3	Second Area of Study/ Elective/Degree/Junior-Senior Hours <sup>2</sup>	1
	<b>16</b>		<b>13</b>

## Total Hours 120.5

<sup>1</sup> It is recommended that students fulfill the Capstone Requirement with a course from within their major. PHSX 503 Undergraduate Research counts toward the Capstone Requirement if taken for at least 3 credit hours.

<sup>2</sup> 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.

<sup>3</sup> Course offering using the python programming language recommended.

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.

\*Courses with a \* designate courses that are degree requirements but can also be taken to fulfill the KU Core 34 requirement. If another course is used to fulfill the Core 34 requirement, the course listed is still required as a degree requirement.

## 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.