The Physics Major is a firm basis for a career in medicine, law, business, sales, engineering, teaching, computing, biophysics, environmental science, or physics.

Students who elect physics as a major must complete specific courses no later than the end of their sophomore year. Any student who desires to major in physics should contact the head of the department as soon as possible so a proper schedule can be planned.

Specific Courses
Students who elect physics as a major must complete these courses no later than the end of their sophomore year.

Select one option of the following:

Option A:
- PHY 291 General Physics I with Calculus
- PHY 292 General Physics II with Calculus

Option B:
- PHY 211 General Physics I
- PHY 212 General Physics II
- MAT 293 Calculus III

Overall Requirements
- 120 credit hours, to include at least 36 credits at or above the 300 course level
- Minimum of 39 credits in Physics courses above the 100 level.
- Students must have at least a 2.0 GPA for the required Physics and Mathematics courses.

Degree Program Requirements

Electives
Electives sufficient to complete the 120 credit hours required for degree.

Optional Concentration
The optional concentration as detailed following the major requirements may be added, but is not required.
- Physics Major with Comprehensive Science High School Teaching Licensure

Electives
The Comprehensive Science High School Licensure (PHYS) program provides a strong background in physics as well as licensure for high school physics teaching. In addition, successful completion of this program qualifies candidates to teach other high school science subjects as well.

Optional Concentration
The optional concentration as detailed following the major requirements may be added, but is not required.
- Physics Major with Comprehensive Science High School Teaching Licensure

Electives
Electives sufficient to complete the 120 credit hours required for degree.

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The optional concentration as detailed following the major requirements may be added, but is not required.
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Required
<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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<tbody>
<tr>
<td>TED 435</td>
<td>Literacy in the Content Area</td>
</tr>
<tr>
<td>ERM 401</td>
<td>Assessment I: Accountability in Our Nation's Schools</td>
</tr>
<tr>
<td>ERM 402</td>
<td>Assessment II: Standardized Tests</td>
</tr>
<tr>
<td>ERM 403</td>
<td>Assessment III: Classroom Assessment</td>
</tr>
<tr>
<td>TED 401</td>
<td>Child and Adolescent Development and Learning</td>
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<td>SES 401</td>
<td>Understanding and Teaching Students with Disabilities in Inclusive Settings</td>
</tr>
<tr>
<td>TED 403</td>
<td>Teaching English Learners with Diverse Abilities</td>
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<tr>
<td>TED 445</td>
<td>Human Diversity, Teaching, and Learning</td>
</tr>
<tr>
<td>TED 459</td>
<td>Teaching Practices and Curriculum in Science</td>
</tr>
<tr>
<td>TED 465</td>
<td>Student Teaching: Secondary School</td>
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<tr>
<td>TED 466</td>
<td>Student Teaching Seminar</td>
</tr>
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</table>

**Recommended**

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>LIS 120</td>
<td>Introduction to Instructional Technology for Educational Settings (strongly recommended)</td>
</tr>
</tbody>
</table>

* The courses listed must be taken in a specified sequence, terminating in student teaching in the spring semester of the senior year. See online Secondary Education Handbook for more information.

† Counts toward GEC GNS requirement.

‡† Counts toward GEC GMT requirement.