Physics Minor

Introduction
Physics courses are offered as course work in support of major study areas in the sciences, mathematics, computer science, engineering and technology, and 8-12 level physical science teaching certification. A minor in physics is offered for students who are interested in a broad foundation in classical and modern physics. A&M Corpus-Christi is part of the Texas A&M System Electronic Coalition for Physics, a group of Texas universities that jointly offers upper-level distance education physics courses utilizing the Trans-Texas Videoconference Network, World Wide Web and other electronic media. A physics minor offers students majoring in physical sciences, geographic information science, engineering and technology a solid foundational base in the application of fundamental physical laws in their disciplines. It provides training in computation and applied mathematics for computer science and mathematics students.

Minor in Physics

The following courses are required for a minor in physics:

<table>
<thead>
<tr>
<th>Course Name</th>
<th>sem. hrs.</th>
<th>Term Taken</th>
<th>Grade</th>
<th>Gen Ed</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 2425 - University Physics I</td>
<td>4 sem. hrs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 2426 - University Physics II</td>
<td>4 sem. hrs.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

12 hours of courses selected from the following:

<table>
<thead>
<tr>
<th>Course Name</th>
<th>sem. hrs.</th>
<th>Term Taken</th>
<th>Grade</th>
<th>Gen Ed</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 3311 - Classical Mechanics</td>
<td>3 sem. hrs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 3312 - Modern Physics</td>
<td>3 sem. hrs.</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>PHYS 3490 - Selected Topics</td>
<td>1-4 sem. hrs.</td>
<td></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

only if the topics selected are from the following:

- Electromagnetic Field Theory
- Thermodynamics
- Mathematical Methods of Physics
- Waves of Optics
- Advanced Modern Physics
- Quantum Theory

Total: 20

Notes:
Academic Minor

To earn an academic minor, a student must meet the requirements mandated by the college offering the minor. At least 18 semester hours will be required in the area of the minor (excluding prerequisites); the maximum number of hours will be limited to 23. At least 6 hours of upper-level courses will be included. At least 9 semester credit hours in the area of the minor must be completed in residence at Texas A&M University-Corpus Christi. The student must complete all prerequisites for required courses and must maintain a grade point average of at least 2.00 on a 4-point scale. Colleges may set higher GPA requirements.

The following rules apply regarding graduation with a minor:

1. A student may count the same course for both major and minor requirements.
2. After applying for graduation, if a student fails to complete the requirements for the minor but meets the requirements for graduation, the student will be graduated without the minor.
3. A student may graduate with more than one minor if he or she meets all the requirements.

A student who holds a bachelor's degree from the University and who wishes to complete requirements for a minor may do so by completing all course work in the minor and by fulfilling any other requirements mandated by the college offering the minor within five years of graduation. A notation indicating that all requirements for each minor have been completed will be added to the Texas A&M University-Corpus Christi transcript; the transcript will not state that a minor has been awarded. If the requirements for a minor are satisfied following degree conferral, credits earned during the satisfaction of the minor have no effect on the GPA of the previously awarded degree.