

# Major in Physics - Bachelor of Science

<b>University Requirements:</b>		
See University General Requirements for Baccalaureate degrees (p. 41)		<input type="checkbox"/>
<b>First Year Making Connections Course:</b>	<b>Sem. Hrs.</b>	
PHSC 1003, Making Connections - Chemistry and Physics	<b>3</b>	<input type="checkbox"/>
<b>General Education Requirements:</b>	<b>Sem. Hrs.</b>	
See General Education Curriculum for Baccalaureate degrees (p. 84)	<b>36</b>	<input type="checkbox"/>
<p><b>Students with this major must take the following:</b></p> <p><i>MATH 2204, Calculus I</i></p> <p><i>PHYS 2034 University Physics I</i></p> <p><i>COMS 1203, Oral Communication (Required Departmental Gen. Ed. Option)</i></p>		
<b>Major Requirements:</b>	<b>Sem. Hrs.</b>	
CHEM 1013 <b>AND</b> 1011, General Chemistry I and Laboratory	4	<input type="checkbox"/>
CHEM 1023 <b>AND</b> 1021, General Chemistry II and Laboratory	4	<input type="checkbox"/>
CS 2114, Structured Programming	4	<input type="checkbox"/>
MATH 2214, Calculus II	4	<input type="checkbox"/>
MATH 3254, Calculus III	4	<input type="checkbox"/>
MATH 4403, Differential Equations	3	<input type="checkbox"/>
PHYS 2044, University Physics II	4	<input type="checkbox"/>
PHYS 3103, Thermal Physics	3	<input type="checkbox"/>
PHYS 3153, Mechanics	3	<input type="checkbox"/>
PHYS 3203, Electromagnetic Theory	3	<input type="checkbox"/>
PHYS 3303, Modern Physics	3	<input type="checkbox"/>
PHYS 3253, Optics	3	<input type="checkbox"/>
PHYS 3272 Physical Instrumentation I	2	<input type="checkbox"/>

PHYS 3282, Physical Instrumentation II	2	<input type="checkbox"/>
PHYS 4353, Mathematical Physics	3	<input type="checkbox"/>
PHYS 4553, Principles of Quantum Mechanics	3	<input type="checkbox"/>
PHYS 4693, Research in Physics - Capstone	3	<input type="checkbox"/>
<b>Sub-total</b>	<b>55</b>	<input type="checkbox"/>
<b>Electives:</b> <i>Ten hours of the electives below must be upper-level.</i>	<b>Sem. Hrs.</b>	
Electives	<b>26</b>	<input type="checkbox"/>
<b>Total Required Hours:</b>	<b>120</b>	