

# Physics- B.S.

## Major Courses

### 2026-28 Course Mappings

To be used to show how previously taken quarter courses will count towards the 2026-28 Semester Catalog Requirements.

Note: Not all 26-28 degree requirements are reflected on mappings. Check curriculum sheet for all requirements.

QUARTER COURSE		SEMESTER COURSE or MAPPING	NOTES
<b>PHYS 141</b> General Physics I	➔	<b>PHYS 1141</b> General Physics I	
<b>PHYS 142</b> General Physics II	✗	No semester equivalent	Credit applied to overall unit shortage
<b>PHYS 143</b> General Physics III	➔	<b>PHYS 1143</b> General Physics II	
<b>PHYS 202</b> Physics on the Computer	➔	<b>CSC 1001 and 1001L</b> Fundamentals of Computer Science and Fundamentals of Computer Science Laboratory	
<b>PHYS 206</b> Electronics and Instrumentation	➔	<b>PHYS 3316</b> Instrumentation & Techniques of Experimental Physics	
<b>PHYS 211</b> Modern Physics I	➔	<b>PHYS 2211</b> General Physics III- Modern Physics	
<b>PHYS 212</b> Modern Physics II	✗	No semester equivalent	Credit applied to overall unit shortage
<b>PHYS 301</b> Thermal Physics I	➔	<b>PHYS 3301</b> Statistical Mechanics	
<b>PHYS 305</b> Classical Mechanics I	➔	<b>PHYS 3305</b> Classical Mechanics I	
<b>PHYS 320</b> Methods of Theoretical Physics I	➔	<b>PHYS 3320</b> Methods of Theoretical Physics	
<b>PHYS 321</b> Methods of Theoretical Physics II	✗	No semester equivalent	Credit applied to overall unit shortage
<b>PHYS 340</b> Quantum Physics Laboratory I	➔	<b>PHYS 3340</b> Quantum Physics Laboratory I	
<b>PHYS 341</b> Quantum Physics Laboratory II	➔	<b>PHYS 3341</b> Quantum Physics Laboratory II	
<b>PHYS 405</b> Quantum Mechanics I	➔	<b>PHYS 4405</b> Quantum Mechanics I	
<b>PHYS 408</b> Electromagnetic Fields & Waves I	➔	<b>PHYS 4408</b> Electromagnetic Fields & Waves I	
<b>PHYS 461</b> Senior Project I	➔	<b>PHYS 4461</b> Senior Project I	

MAJOR COURSES



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Make sure to check your Degree Progress Report and Degree Planner to see if you have enough units to graduate

# Physics- B.S.

## Major Courses

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<b>PHYS 462</b> Senior Project II	➔	<b>PHYS 4462</b> Senior Project II	
<b>CHEM 124</b> Gen Chem for Phys Sci & Engr I	➔	<b>CHEM 1120</b> Fundamentals of Chemical Structure & Properties	
<b>CHEM 125</b> Gen Chem for Phys Sci & Engr II	➔	<b>CHEM 1122</b> Fundamentals of Chemical Reactivity	
<b>MATH 141</b> Calculus I	➔	<b>MATH 1261</b> Calculus I	
<b>MATH 142</b> Calculus II	✗	No semester equivalent	Credit applied to overall unit shortage
<b>MATH 143</b> Calculus III	➔	<b>MATH 1262</b> Calculus II	
<b>MATH 206</b> Linear Algebra I	➔	<b>MATH 1151</b> Linear Algebra I	
<b>MATH 241</b> Calculus IV	➔	<b>MATH 2263</b> Calculus III	
<b>MATH 242</b> Differential Equations I	➔	<b>MATH 2243</b> Differential Equations I	
<p><b>Physics Electives</b>                      Any 300-400 level PHYS course or ASTR 444, of which 2 courses must be lab electives.  <b>ASTR 444</b> Observational Astronomy  <b>PHYS 323</b> Optics  <b>PHYS 342</b> Quantum Physics Laboratory III  <b>PHYS 357</b> Adv. Instrumentation in Experimental Physics  <b>PHYS 422</b> Polymer Electronics Laboratory  <b>PHYS 423</b> Advanced Optics  <b>PHYS 426</b> Solid State Physics Laboratory  <b>PHYS 428</b> Nonlinear Dynamical Systems</p>	➔	<p><b>Physics Electives</b>                      Any 3000-4000 level PHYS course or ASTR 444, of which 2 courses must be lab electives.  <b>ASTR 4444</b> Lab Elective  <b>PHYS 3323</b> Lab Elective  <b>PHYS 342</b> DISCONTINUED Lab Elective  <b>PHYS 357</b> DISCONTINUED Lab Elective  <b>EE 4422</b> Lab Elective  <b>PHYS 423</b> DISCONTINUED Lab Elective  <b>PHYS 4425</b> Lab Elective  <b>PHYS 4428</b> Lab Elective</p>	
<p><b>Breadth Electives</b>                      Any 300-400 level PHYS, ASTR, GEOL, MATH, STAT, DATA or CSC, or  <b>PHYS 100</b> Introduction to the Physics Major  <b>PHYS 220</b> Introduction to Physics Research  <b>CSC 101</b>  <b>CSC 231</b>  <b>CSC 234</b>  <b>CSC 235</b></p>	➔	<p><b>Technical Electives</b>                      Any 3000-4000 level PHYS, ASTR, GEOL, MATH, STAT, DATA or CSC, or  <b>PHYS 1100</b> Introduction to the Physics Major  <b>PHYS 220</b> credit applied to technical electives  <b>CSC 1001</b>  <b>CSC 1031</b>  <b>CSC 234</b> credit applied to technical electives  <b>CSC 235</b> credit applied to technical electives</p>	

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