

**DEPARTMENT OF EDUCATION & SCHOOL PSYCHOLOGY**

**Curriculum Content—BA in PHYSICS (for majors planning to teach)**

(64 hours required)  
**OAE Test – Physics (035)**

<b>Course #</b>	<b>Course Title</b>	<b>Hours</b>	<b>Gr.</b>	<b>Sem.</b>
PH 135/135L	Physics I and Lab	5		Fall
PH 136/136L	Physics II and Lab	5		Spring
PH 246	Modern Physics	3		Fall
PH 247	Modern Physics Laboratory	1		Fall
PH 347	Advanced Laboratory	2		
PH 348	Physics Seminar I	0		
PH 349	Physics Seminar II	0		
EP 217	Mathematical methods of Physics and Engineering	3		Spring
EP 260/260L	DC/AC Circuits and Lab	4		
PH 407	Senior Research or Design Project	2		

**Or**

PH 408	Senior Research or Design Project	2		
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**Plus 14 more PH or EP Credits at the 300-400 level, of which 8 credits must be chosen from:**

*PH 315/315L	Class Mechanics and Lab	4		
*PH 365/365L	Electricity & Magnetism and Lab	4		
PH 445/PH445L	Quantum Physics and Lab	4		
EP 451/451L	Numerical Physics and Lab	4		

**Mathematics**

MT 135	Calculus and Analytic Geometry I	4		
MT 136	Calculus and Analytic Geometry II	4		
MT 233	Calculus and Analytic Geometry III	4		

**Related Sciences (8 credits required)**

**Biological Science**

BL XXX/XXX	Biology Course with Lab	4		
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**Earth Science**

PH 115/115L	Environmental Earth Science and Lab	4		Fall

**Or**

PH 113/113L	Astronomy and Lab	4		

**Chemistry**

CH 141/143	General Chemistry I and Lab	5		Fall
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**Or**

CH 151/153	Chemical Principles and Lab	5		Spring
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**\*Strongly recommended for Teacher Education candidates pursuing the Physics License**

Transcript review by the Department would establish whether this content has been adequately covered in previous coursework or whether additional coursework is needed.

**Revised Fall 2019**