

**DEPARTMENT OF EDUCATION & SCHOOL PSYCHOLOGY**

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

(66 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 315/315L	Classical Mechanics and Workshop	4		
PH 347	Advanced Laboratory	2		
PH 365/365L	Electricity and Magnetism and Workshop	4		
PH 408	Senior Research or Design Project	2		
PH 445/445L	Quantum Physics and Workshop	4		
EP 217	Mathematical methods of Physics and Engineering	3		Spring
EP 260/260L	Electronic Circuits and Lab	4		
EP 451/451L	Numerical Physics and Workshop	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		

**Chemistry**

CH 141/143	General Chemistry I and Lab	5		Fall
<b>OR</b>				
CH 151/153	Chemical Principles and Lab	5		Spring

**Related Sciences (8 credits required)**

<b>Biological Science</b>				
BL XXX/XXX	Biology Course with Lab	4		
<b>Earth Science (select one of the following)</b>				
PH 115/L	Environmental Earth Science and Lab	4		Fall
PH 206	Earth System Science	3		Spring
PH 113/L	Astronomy and Lab	4		

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 2015**