

*Sample AS&T Ph.D. Program in*  
**Solid State Physics and Devices**

<i>Year 1</i>	<i>Fall</i>	<i>Spring</i>
PHYS 221A, Quantum Mechanics	5	-
PHYS 141A, Solid State Physics	4	-
PHYS 221B, Quantum Mechanics	-	5
PHYS 141B, Solid State Physics	-	3
PHYS 290K, Condensed Matter Seminar	-	2
AST 299, Individual Research	3	2
<b>Total</b>	<b>12</b>	<b>12</b>

<i>Year 2</i>		
PHYS 216 Special Topics in Many Body Physics	4	-
PHYS 240A, Quantum Theory of Solids	4	-
CIVENG 292A, Technologies for Sustainable Societies	1	-
EE C235, Nanoscale Fabrication	-	4
EE 230M, Integrated-Circuit Devices	-	4
AST 199, Individual Research	3	4
<b>Total</b>	<b>12</b>	<b>12</b>

<i>Year 3</i>		
EE 236A, Quantum and Optical Electronics	3	-
MBA 212, Energy and Environmental Markets	-	3
AST 299, Individual Research	9	9
<b>Total</b>	<b>12</b>	<b>12</b>

<i>Year 4</i>		
MBA 212A, Cleantech to Market	3	-
AST 299, Individual Research	9	12
<b>Total</b>	<b>12</b>	<b>12</b>

<i>Year 5</i>		
PUBPOL 290, Renewable Energy Policy in the United States	3	-
JOURN 298, Earth Journalism	-	3
AST 299, Individual Research	9	9
<b>Total</b>	<b>12</b>	<b>12</b>