

Sample AS&T Ph.D. Program in

Quantum Information & Nanotechnology

<i>Year 1</i>	<i>Fall</i>	<i>Spring</i>
PHYS 221A, Quantum Mechanics	5	-
PHYS 209, Classical Electromagnetism	5	-
EE C235, Nanoscale Fabrication	-	4
NSE C201, Introduction to Nano-Science & Engineering	-	3
AST 299, Individual Research	4	12
Total	14	19

<i>Year 2</i>		
EE 143, Microfabrication Technology	4	-
PHYS 238, Advanced Atomic, Molecular & Optical Physics	4	-
PHYS 130, Quantum & Nonlinear Optics	-	3
AST 199, Individual Research	12	12
Total	20	15

<i>Year 3</i>		
CS 294, Special Topics: Quantum Information	4	-
PHYS 301: Supervised Teaching of Physics: Quantum Information	-	2
AST 299, Individual Research	12	12
Total	16	14

<i>Year 4</i>	<i>Fall</i>	<i>Spring</i>
MATSCI 204: Theory of Electron Microscopy & X-Ray Diffraction	3	-
PHYS 375: Supervised Teaching of Physics	2	-
MATSCI 260: Surface Properties of Materials	-	3
NSE 298: Nanoscale Science & Engineering Seminar	-	1
AST 299, Individual Research	11	12
Total	16	16

<i>Year 5</i>		
ENGIN 295: Communications for Engineering Leaders	-	1
AST 299, Individual Research	12	12
Total	12	13