Sample AS&T Ph.D. Program in

Physical Chemistry

Year 1	*Fall*	*Spring*
ER200, Energy and Society	4	
EE219A, Numerical Simulation and Modeling[1]	4	
EE 290A, Advanced Topics in Electrical Engineering: Advanced Topics in Computer-Aided Design[1]		3
CHEM 223A, Chemical Kinetics		3
AST 299, Individual Study or Research[2]	4	6
Total	**12**	**12**

Year 2	*Fall*	*Spring*
CHEM 220A, Thermodynamics and Statistical Mechanics	3	
CHEM 221A, Advanced Quantum Mechanics	3	
CHEM 220B, Statistical Mechanics		3
CHEM 221B, Adanvced Quantum Mechanics		3
AST 299, Individual Study or Research[2]	6	6
Total	**12**	**12**

Year 3	*Fall*	*Spring*
COMPSCI 294, Special Topics[1]	3	
ELENG 236A, Quantum and Optical Electronics	3	
COMPSCI C267, Applications of Parallel Computers[1]		3
MECENG 245, Oceanic and Atmospheric Waves		3
AST 299, Individual Study or Research[2]	6	6
Total	**12**	**12**

Year 4	*Fall*	*Spring*
CHEM 295, Special Topics	1	
PLANTBI 290, Special Topics	1	
AST 299, Individual Study or Research[2]	10	12
Total	**12**	**12**

Year 5	*Fall*	*Spring*
AST 299, Individual Study or Research[2]	12	12
Total	**12**	**12**

Year 6	*Fall*	*Spring*
AST 299, Individual Study or Research[2]	12	12
Total	**12**	**12**

[1]A 12-unit minor field was completed in computational science.

[2]Alternatively, student may enroll in a departmental 299 course; student should consult with research advisor.