Sample AS&T Ph.D. Program in

Computational Imaging

Year 1	***Fall***	***Spring***
EE 218A, Introduction to Optical Engineering	3	-
ENG 231, Mathematical Methods in Engineering	3	
Minor Field Elective[1]	-	3
EE227AT, Convex Optimization	-	4
AST 299, Individual Research[3]	7	7
Total	**13**	**14**

Year 2		
EE C261, Medical Imaging Signals and Systems	3	-
CS 294, Computational Photography	4	-
EE C225E, Principles of Magnetic Resonance Imaging	-	3
EE 298, EE Group Seminar	-	1
AST 299, Individual Research[3]	7	8
Total	**14**	**12**

Year 3		
Minor Field Electives[1]	3	3
AST 210, Soft X-Rays and EUV	3	-
AST 299, Individual Research[3]	7	8
Total	**13**	**11**

Year 4		
AST 299, Individual Research[3]	12	12
Total	**12**	**12**

Year 5		
CS 294, Computational Methods for Neuroscience	3	-
AST 299, Individual Research[3]	9	12
Total	**12**	**12**

[1]A 12-unit minor field connected to the application of soft x-ray microscopy should be established in consultation with the student's research advisor and major field advisor. Examples of minor fields would include three or four courses in one of the following areas: biology, materials science, surface physics, or environmental science.

[2]Student generally enrolls in the 298 seminar offered by his/her research advisor.

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