Course Requirements and Registration Priorities
School of Science and Technology (Graduate: Master), Spring 2018

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
SST											
Biological Science											
1	BIOL 530	Bioethics Principles and Practices	3	6				1 year Graduate SST Biological Sciences			
2	BIOL 550	The Eukaryotic Cells in Health and Disease	3	6				1 year Graduate SST Biological Sciences			
3	BIOL 560	Molecular Biology of Prokaryotic Cells	3	6				1 year Graduate SST Biological Sciences			
4	BIOL 600	Graduate Seminar Series	3	6				1 year Graduate SST Biological Sciences, 2 year Graduate SST Biological Sciences			
5	BIOL 637	Fundamentals of Advanced Microscopy	3	6	BIOL 501 Fundamentals of Biological Sciences (C- and above)			1 year Graduate SST Biological Sciences, 2 year Graduate SST Biological Sciences			
6	BIOL 699	Research Thesis II	6	12				2 year Graduate SST Biological Sciences			
Computer Science											
7	CSCI 502	Hardware Software Co-Design	3	6	CSCI 501 Software Principles and Practice (C- and above)			1 year Graduate SST Computer Science, 1 year Graduate SST Robotics and Mechatronics			
8	CSCI 591	Advanced Artificial Intelligence	3	6	CSCI 501 Software Principles and Practice (C- and above)			1 year Graduate SST Computer Science			
Mathematics											
9	MATH 512	Optimization Methods and Techniques	3	6	MATH 517 Scientific Modeling and Simulation with Mathematics (B- and above)			1 year Graduate SST Applied Mathematics			
10	MATH 541	Data Analysis and Statistical Learning	3	6	MATH 540 Statistical Analysis (B- and above)			1 year Graduate SST Applied Mathematics			
11	MATH 551	Advanced Numerical Methods	3	6	MATH 517 Scientific Modeling and Simulation with Mathematics (B- and above)			1 year Graduate SST Applied Mathematics			
Physics											
12	PHYS 510	Quantum Mechanics	3	6				1 year Graduate SST Physics			
13	PHYS 520	Statistical Physics	3	6				1 year Graduate SST Physics			

14	SST 502	Teaching Practicum	3	6	SST 501 Teaching and Learning (C- and above)			1 year Graduate SST Applied Mathematics, 1 year Graduate SST Computer Science, 1 year Graduate SST Physics, 1 year Graduate SST Robotics and Mechatronics			
15	SST 504	Innovation & Entrepreneurship	3	6				1 year Graduate SST Computer Science, 1 year Graduate SST Physics, 1 year Graduate SST Robotics and Mechatronics			
16	SST 592	Research Seminar	3	6				1 year Graduate SST Applied Mathematics, 1 year Graduate SST Computer Science, 1 year Graduate SST Physics, 1 year Graduate SST Robotics and Mechatronics			
17	SST 692	Thesis	15	30				2 year Graduate SST Computer Science, 2 year Graduate SST Physics, 2 year Graduate SST Robotics and Mechatronics			
Robotics and Mechatronics											
18	ROBT 502	Robot Perception & Vision	3	6	ROBT 501 Robot Manipulation and Mobility (C- and above)			1 year Graduate SST Robotics and Mechatronics			