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

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
SSH											
Biological Science											
1	BIOL 530	Bioethics Principles and Practices	3	6				1 year Gr SST Biological Sciences			
2	BIOL 550	Structural and Molecular Biology in Health and Disease	3	6				1 year Gr SST Biological Sciences			
3	BIOL 560	Molecular Biology of Prokaryotic Cells	3	6				1 year Gr SST Biological Sciences			
4	BIOL 600	Graduate Seminar Series	3	6				1 year Gr SST Biological Sciences, 2 year Gr SST Biological Sciences			
5	BIOL 637	Fundamentals of Advanced Microscopy	3	6							
6	BIOL 699	Research Thesis II	6	12				2 year Gr SST Biological Sciences			
Mathematics											
7	MATH 512	Optimization Methods and Techniques	3	6				1 year Gr SST Applied Mathematics			
8	MATH 541	Data Analysis and Statistical Learning	3	6	MATH 540 Statistical Learning (2340) (B- and above)			1 year Gr SST Applied Mathematics			
9	MATH 551	Advanced Numerical Methods	3	6				1 year Gr SST Applied Mathematics			
Physics											
10	PHYS 510	Quantum Mechanics	3	6				1 year Gr SST Physics			
11	PHYS 520	Statistical Physics	3	6				1 year Gr SST Physics			
SEDS											
Computer Science											
12	CSCI 502	Hardware Software Co-Design	3	6	CSCI 501 Software Principles and Practice (2408) (C- and above)			1 year Gr SST Computer Science, 1 year Gr SST Robotics and Mechatronics			
13	CSCI 591	Advanced Artificial Intelligence	3	6	CSCI 501 Software Principles and Practice (2408) (C- and above) OR DS 501 Fundamentals of Data Science (5218) (C- and above)			1 year Gr SST Computer Science			

14	CSCI 694	Thesis	15	30				2 year Gr SST Computer Science, 2 year Gr SST Physics, 2 year Gr SST Robotics and Mechatronics			
15	SEDS 502	Teaching Practicum	3	6				1 year Gr SST Applied Mathematics, 1 year Gr SST Computer Science, 1 year Gr SST Physics, 1 year Gr SST Robotics and Mechatronics			
16	SEDS 504	Innovation and Entrepreneurship	3	6				1 year Gr SST Computer Science, 1 year Gr SST Physics, 1 year Gr SST Robotics and Mechatronics			
17	SEDS 592	Research Seminar	3	6				1 year Gr SST Applied Mathematics, 1 year Gr SST Computer Science, 1 year Gr SST Physics, 1 year Gr SST Robotics and Mechatronics			
Robotics and Mechatronics											
18	ROBT 502	Robot Perception & Vision	3	6	ROBT 501 Robot Manipulation and Mobility (2263) (C- and above)			1 year Gr SST Robotics and Mechatronics			