Course Requirements and Registration Priorities
School of Science and Technology (Graduate: Master), Fall 2017

#	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 501	Fundamentals of Biological Sciences	3	6							
2	BIOL 520	Statistical Methods in Life Sciences	3	6							
3	BIOL 600	Graduate Seminar Series	3	6							
4	BIOL 635	Hot Topics in Life Sciences	3	6							
5	BIOL 670	Gene Therapy	3	6							
6	BIOL 690	Research Thesis I	6	12							
Computer Science											
7	CSCI 501	Software Principles and Practice	3	6							
8	CSCI 511	CS Track Core-Theory	3	6							
9	CSCI 525	Quantum Computing	3	6							
10	CSCI 545	Big Data Analytics	3	6							
Mathematics											
11	MATH 517	Scientific Modeling and Simulation with Mathematics	3	6	MATH 273 Linear Algebra with Applications (C- and above) OR MATH 351 Numerical Methods with Applications (C- and above)						
12	MATH 540	Statistical Learning I	3	6	MATH 322 Mathematical Statistics (C- and above) OR (MATH 310 Applied Statistical Methods (C- and above) AND MATH 273 Linear Algebra with Applications (C- and above))						
Physics											
13	PHYS 505	Classical Mechanics	3	6							
14	PHYS 511	Computational Modeling and Simulation	3	6							
15	PHYS 515	Classical Electrodynamics	3	6							
16	PHYS 545	Advanced Instrumentation Methods	3	6							
17	PHYS 550	Advanced Mathematical Physics	3	6							
18	PHYS 574	Lasers and Photonics	3	6							
19	SST 501	Teaching and Learning	3	6							
20	SST 503	Laboratory Practicum	3	6	SST 501 Teaching and Learning (C- and above) AND SST 502 Teaching Practicum (C- and above)						

21	SST 591	Research Methods	3	6							
22	SST 693	Thesis Proposal	3	6	SST 591 Research Methods (C- and above)						
Robotics and Mechatronics											
23	ROBT 501	Robot Manipulation and Mobility	3	6							
24	ROBT 503	Dynamic Systems and Control	3	6							
25	ROBT 611	Industrial Robotics	3	6	ROBT 501 Robot Manipulation and Mobility (C- and above) AND CSCI 501 Software Principles and Practice (C- and above)						
26	ROBT 613	Brain-Machine Interfaces	3	6							