

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
SSH											
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							
Mathematics											
7	MATH 517	Scientific Modeling and Simulation with Mathematics	3	6							
8	MATH 540	Statistical Learning	3	6							
Physics											
9	PHYS 505	Classical Mechanics	3	6							
10	PHYS 511	Computational Modeling and Simulation	3	6							
11	PHYS 515	Classical Electrodynamics	3	6							
12	PHYS 545	Advanced Instrumentation Methods	3	6							
13	PHYS 550	Advanced Mathematical Physics	3	6							
14	PHYS 574	Lasers and Photonics	3	6							
15	SST 501	Teaching and Learning	3	6							
16	SST 503	Laboratory Practicum	3	6	SST 501 Teaching and Learning (2260) (C- and above) AND SST 502 Teaching Practicum (2824) (C- and above)						

17	SST 591	Research Methods	3	6							
18	SST 693	Thesis Proposal	3	6	SST 591 Research Methods (3184) (C- and above)						
SEDS											
Computer Science											
19	CSCI 501	Software Principles and Practice	3	6							
20	CSCI 511	CS Track Core-Theory	3	6							
21	CSCI 525	Quantum Computing	3	6							
22	CSCI 545	Big Data Analytics	3	6							
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 (2263) (C- and above) AND CSCI 501 Software Principles and Practice (2408) (C- and above)						
26	ROBT 613	Brain-Machine Interfaces	3	6							