

**Course Requirements and Registration Priorities
School of Science and Technology (Master), Fall 2016**

#	Abbr	Title	Cr(US)	Cr(ECTS)	PreRequisite	CoRequisite	AntiRequisite	1st priority registration	2nd priority registration	3rd priority registration	4th priority registration
SST											
Computer Science											
1	CSCI 512	Information Theory	3	6							
SSH											
Biological Science											
2	BIOL 501	Fundamentals of Biological Sciences	3	6							
3	BIOL 520	Statistical Methods in Life Sciences	3	6							
4	BIOL 600	Graduate Seminar Series	3	6							
5	BIOL 635	Hot Topics in Life Sciences	3	6							
6	BIOL 670	Gene Therapy	3	6							
7	BIOL 690	Research Thesis I	6	12							
Physics											
8	PHYS 505	Classical Mechanics	3	6							
9	PHYS 511	Computational Modeling and Simulation	3	6							
10	PHYS 515	Classical Electrodynamics	3	6							
11	PHYS 530	Solid State Physics	4	8							
12	PHYS 545	Advanced Instrumentation Methods	3	6							
13	PHYS 550	Advanced Mathematical Physics	3	6							
14	SST 501	Teaching and Learning	3	6							
SEDS											
Computer Science											
15	CSCI 501	Software Principles and Practice	3	6							
16	CSCI 525	Quantum Computing	3	6							

17	CSCI 531	Distributed Systems	3	6						
18	CSCI 545	Big Data Analytics	3	6						
19	CSCI 693	Thesis Proposal	3	6	SEDS 591 Research Methods (3184) (C- and above)					
20	SEDS 503	Laboratory Practicum	3	6	SEDS 502 Teaching Practicum (2824) (P)					
21	SEDS 591	Research Methods	3	6						
Robotics and Mechatronics										
22	ROBT 501	Robot Manipulation and Mobility	3	6						
23	ROBT 503	Dynamic Systems and Control	3	6						
24	ROBT 605	Robotic Motion Planning	3	6	ROBT 501 Robot Manipulation and Mobility (2263) (C- and above) AND CSCI 501 Software Principles and Practice (2408) (C- and above)					
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)					