

## Curriculum

### □ Graduate Course

Classification	Subject No.	Subject Name	Lecture:Lab.: Credit	Semester	Remark
Mandatory General Course	CC010	Special Lecture on Leadership	1:0:0	Spring/Fall	
	CC020	Ethics and Safety I	1AU	Spring/Fall	
	CC500	Scientific Writing	3:0:3	Spring/Fall	
	CC510	Introduction to Computer Application	2:3:3	Spring/Fall	
	CC511	Probability and Statistics	2:3:3	Spring/Fall	
	CC512	Introduction to Materials and Engineering	3:0:3	Spring/Fall	
	CC513	Engineering Economy and Cost Analysis	3:0:3	Spring	
	CC522	Introduction to Instruments	2:3:3	Spring/Fall	
	CC530	Entrepreneurship and Business Strategies	3:0:3	Spring/Fall	
	CC531	Patent Analysis and Invention Disclosure	3:0:3	Spring	
	CC532	Collaborative System Design and Engineering	4:0:4	Spring/Fall	
	Mandatory Major Course	NST510	Introduction to Modern Physics	3:0:3	spring
NST520		Introduction to Nano-chemistry	3:0:3	spring	**
NST530		Introduction to Physiology	3:0:3	spring	**
NST535		Introduction to Nanobiology	3:0:3	spring	**
NST540		Nanoscience and Technology Laboratory	1:2:3	spring	
NST550		Nanofabrication Laboratory	1:2:3	fall	
Elective Course	NST551	Computational Nanoscience: Electronic Structure theory	3:0:3	fall	**
	NST552	Biomedical Optics	3:0:3	fall	**
	NST553	Electrochemistry and Nanoscience	3:0:3	Spring/Fall	**
	NST554	In Vivo Imaging System	3:0:3	Spring	**
	NST555	Theoretical biophysics	3:0:3	fall	
	NST556	Introduction to Imaging Techniques	3:0:3	fall	
	NST557	Introduction to Soft Nanomaterials	3:0:3	fall	
	NST559	Cell Signaling	3:0:3	Spring/Fall	
	NST560	Introduction to BioMEMS	3:0:3	Spring	
	NST621	Structural Analysis of Biological Macromolecules	3:0:3	fall	
	NST631	Bio-imaging	3:0:3	Spring/Fall	
	NST632	NanoBio Technology	3:0:3	fall	
	NST635	Cancer Biology	3:0:3	Spring	
	NST671	Advanced Animal Cell Engineering	3:0:3	Spring	
NST717	Topics in Nanoscience and Technology	3:0:3	fall		
NST831	Advanced Genetics	3:0:3	fall		
Research	NST960	M.S. Thesis		spring/fall	
	NST966	M.S. Seminar	1:0:1	spring/fall	
	NST980	Ph.D. Thesis		spring/fall	
	NST986	Ph.D. Seminar	1:0:1	spring/fall	

※ Note: \*\* stands for courses open to both undergraduate and graduate students