
Table of Curriculum

Typically, students can take all the courses that are provided by the Depts. of Electrical Engineering, Computer Science, Physics, Chemistry, Materials Science & Engineering and Chemical & Biomolecular Engineering. The following courses are highly recommended.

Classification	Course No.	Computer Code	Course Name	Lecture, Lab, Credit (Assignment)	Semester	Note
Mandatory	MS696	34.696	Special Topics in Advanced Materials I	3:0:3(6)	Fall	
Elective	EE561	35.561	Introduction to VLSI Devices	3:0:3(6)	Spring	
	EE571	35.571	Advanced Electronic Circuits	3:0:3(6)	Spring	
	EE661	35.661	Solid State Physics	3:0:3(6)	Spring	
	EE676	35.676	Analog Integrated Circuits	3:0:3(6)	Fall	
	EE678	35.678	Digital Integrated Circuits	3:0:3(6)	Fall	
	EE762	35.762	Advanced MOS Device Physics	3:0:3(6)	Fall	
	PH611	20.611	Advanced Solid State Physics I	3:0:3(4,5)	Spring/Fall	
	PH613	20.613	Semiconductor Physics	3:0:3(4,5)	Spring/Fall	
	PH711	20.711	Physics of Magnetism	3:0:3(4,5)	Spring/Fall	
	MS536	34.536	Thin Film Processing	3:0:3(3)	Spring	
	MS635	34.635	Semiconductor Integrated Process Design	3:0:3(2)	Fall	
	MS642	34.642	Electronic Packaging Technology	3:0:3(2)	Spring	
	MS684	34.684	Principles of Semiconductor Devices	3:0:3(3)	Spring	