

Plan III - Coursework Only

Shared Credit Program with B.S.Ch.E.

Department of NanoScience & MicroSystems Engineering

Junior Year - Undergraduate Degree								
SPRING SEMESTER								
Semester/Year	Course	Title	Hours	Grade	Applied toward BSCHE?			
	CBE 501	Chemical & Biological Engineering Seminar	1					
Total Semester Hours: 1								

		Senior Year - Undergraduate Degree			
		FALL SEMESTER			
Semester/Year	Course	Title	Hours	Grade	Applied toward BSCHE?
FA	CBE 586	Introduction to Statistics and Design of Experiments	3		
		Technical Elective <sup>(1)</sup>	3		
		Total Semester Hours:	6		
		SPRING SEMESTER			
Semester/Year	Course	Title	Hours	Grade	Applied toward BSCHE?
	NSMS 595	ST: NSME-BME-CBE Cohort Seminar	1		
		Technical Elective <sup>(1)</sup>	3		
	-	Total Semester Hours:	4	-	

		First Year - MS in Chemical Engineering			
		FALL SEMESTER			
Semester/Year	Course	Title	Hours	Grade	Applied toward BSCHE?
	NSMS 550	Social and Ethical Issues in Nanotechnology	1		
FA	CBE 502	Chemical & Biological Engineering Research Practices	3		
FA	NSMS 512	Characterization Methods for Nanostructures	3		
FA	NSMS 574L	Microelectronics Processing <sup>(2)</sup>	3		
FA	NSMS 518	Synthesis of Nanostructures	3		
	•	Total Semester Hours	s: <b>13</b>		
		SPRING SEMESTER			
Semester/Year	Course	Title	Hours	Grade	Applied toward BSCHE?
SP	NSMS 510	Chemistry and Physics at the Nanoscale	3		
SP	NSMS 519	Theory, Fabrication, and Characterization of NEMS/MEMS <sup>(2)</sup>	3		
		Technical Elective <sup>(1)</sup>	3		
	•	Total Semester Hours	s: <b>9</b>	•	
		Total Hours for MSCHE	≣: 30		

<sup>(1)</sup> Technical electives are chosen with consultation of your advisor.

<sup>(2)</sup> Students can choose to take either NSME 574L or NSME 519 to fulfill the topdown fabrication course requirement.