



**Junior Year - Undergraduate Degree**

SPRING SEMESTER

Semester/Year	Course	Title	Hours	Grade	Applied toward BSCE?
	CBE 501	Chemical & Biological Engineering Seminar	1		
Total Semester Hours:			<b>1</b>		

**Senior Year - Undergraduate Degree**

FALL SEMESTER

Semester/Year	Course	Title	Hours	Grade	Applied toward BSCE?
FA	CBE 586	Introduction to Statistics and Design of Experiments	3		

Total Semester Hours: **3**

SPRING SEMESTER

Semester/Year	Course	Title	Hours	Grade	Applied toward BSCE?
	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 BSCE?
	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		
FA	NSMS 599	Master's Thesis	3		

Total Semester Hours: **16**

SPRING SEMESTER

Semester/Year	Course	Title	Hours	Grade	Applied toward BSCE?
SP	NSMS 510	Chemistry and Physics at the Nanoscale	3		
SP	NSMS 519	Theory, Fabrication, and Characterization of NEMS/MEMS <sup>(2)</sup>	3		
	NSMS 599	Master's Thesis	3		

Total Semester Hours: **9**

Total Hours for MSCHE: **30**

(1) Technical electives are chosen with consultation of your advisor.

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