

# BS in Materials Science and Engineering TRACKING SHEET

## College of Engineering Requirements

### *Mathematics (24)*

Course	Credits	Grade	Quarter
Math 124	5 credits		
Math 125	5 credits		
Math 126	5 credits		
Math 307	3 credits		
Math 308 or 318	3 credits		
Elective; Math 309 (3), Ind E 315 (3), Math 324 (3) or Stat/Math 390 (4)	3 cr. min.		

### *Natural Science (31)*

Course	Credits	Grade	Quarter
Chem 142	5 credits		
Chem 152	5 credits		
Physics 121 w/ lab	5 credits		
Physics 122 w/ lab	5 credits		
Physics 123 w/ lab	5 credits		
Science Electives (select 2)	6 credits min.		

### *Written and Oral Communication (12)*

Course	Credits	Grade	Quarter
English Comp.	5 credits		
TC 231	3 credits		
TC 333 (pre-req: TC 231)	4 credits		

### *VLPA and Individuals and Societies (24)*

10 Credits VLPA			
10 Credits I&S			
4 Add'l Credits Either VLPA or I&S			

### *Engineering Fundamentals (24)*

Course	Credits	Grade	Quarter
CSE 142 OR Amath 301	4 credits		
MSE 170	4 credits		
AA 210	4 credits		
CEE 220 (pre-req: AA 210)	4 credits		
Engr. Electives (select 2):	8 credits		
ME 123, EE 215, ME 230, IndE 250 or CHEM E 260			

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## MSE Core Course Requirements

*Junior Year, Autumn*

Course	Credits	Grade	Qtr Offered
MSE 310	3 credits		A
MSE 311	2 credits		A
MSE 321	4 credits		A
MSE 331	3 credits		A

*Junior Year, Winter*

Course	Credits		
MSE 312	2 credits		W
MSE 322	4 credits		W
MSE 342	3 credits		W
MSE 351	3 credits		W
MSE 499	1 credit		W
Science Req.*	3 credits		W

*Junior Year, Spring*

Course	Credits		
MSE 313	2 credits		Sp
MSE 333	3 credits		Sp
MSE 352	3 credit		Sp
MSE 362	3 credits		Sp
Science Req.*	3 credits		Sp

*Senior Year, Autumn*

Course	Credits		
MSE 431	3 credits		A
MSE 442	3 credits		A
MSE 499	x credits		AWSpS
Tech Elective**	xx credits		A

*Senior Year, Winter*

Course	Credits		
MSE 491	1 credit		W
Tech Elective**	xx credits		W
Tech Elective**	xx credits		W
MSE 499	x credits		W

*Senior Year, Spring*

Course	Credits		
MSE 492	3 credits		Sp
Tech Elective**	xx credits		Sp
MSE 499	x credits		Sp

\*2 Science courses required: Physics 224, 225; Chem 162; Chem 223, 224; Chem 237, 238; Chem 455, 457

\*\*Tech Electives: 16 credit minimum

x credits: must take a minimum of 4 credits of MSE 499, can take up to 5 credits of MSE 499;

1 cr. Of 499 must be taken during the Winter quarter of the Senior year.