

Sample Academic Plans - Materials Science and Engineering Major

Sample Four Year Schedule

Fall Quarter		Winter Quarter		Spring Quarter	
MAT 21A	4	MAT 21B	4	MAT 21C	4
CHE 2A	5	CHE 2B	5	CHE 2C	5
GE	3	EMS 2	3	PHY 9A	5
Lower Division Composition	4	ENG 3	4	GE	3
Total units	16	Total units	16	Total units	17
MAT 21D	4	MAT 22A	3	MAT 22B	3
PHY 9B	5	PHY 9C	5	PHY 9D	4
ENG 45	4	ENG 17/35	4	ECH 60	4
GE	3	GE	4	GE	4
Total units	16	Total units	16	Total units	15
EMS 160	4	EMS 162	4	EMS 172	4
EMS 180	4	EMS 162L	3	EMS 172L	3
Science Elec	4	EMS 164	4	EMS 174	4
UD Comp (or exam)	4	F.E.	4	EMS 174L	3
Total units	16	Total units	15	Total units	14
EMS 170	4	EMS 181/183	4	EMS 186C	3
EMS 170L	3	EMS 186B	3	F.E.	4
EMS 182	4	ENG 190	3	GE	4
EMS 186A	2	F.E.	4	GE	4
Applied Math	4				
Total units	17	Total units	14	Total units	15

This is only one example of several possible combinations

F.E. is a Focused Elective

Sample Two Year Transfer Schedule

Fall Quarter		Winter Quarter		Spring Quarter	
EMS 160	4	EMS 162	4	EMS 172	4
EMS 180	4	EMS 162L	3	EMS 172L	3
Science Elec	4	EMS 164	3	EMS 174	4
F.E.	4	F.E.	4	EMS 174L	3
Total units	16	Total units	14	Total units	14
EMS 170	4	EMS 181/183	4	EMS 186C	3
EMS 170L	3	EMS 186B	3	F.E.	4
EMS 182	4	ENG 190	3	GE	4
EMS 186A	2	F.E.	4	GE	4
Applied Math	4				
Total units	17	Total units	14	Total units	15

This is only one example of several possible combinations

Additional coursework may be required

F.E. is a Focused Elective

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The Materials Science and Engineering Program is accredited by the Engineering Accreditation Commission of ABET <http://www.abet.org/>