

Materials Engineering - possible path to a four-year degree in three years

Student arrives with: Math through Calc II (MATH 165 & 166); English 150; Chemistry I &II (Chem 177 & 178); Free Electives; Two General Education Courses; International Perspective Course

Year 1

Fall		Spring	
4	Math 265 (Calc III)	4	Math 267 (Differential Equations)
3	Mat E 215 (Intro to MSE I)	3	ENGL 250 (WOVE Comp)
1	Mat E 215L (Intro to MSE I Lab)	4	Mat E 216 (Intro to MSE II)
5	Phys 221 (Physics I)	5	Phys 222 (Physics II)
3	ENGR 160 (Eng Prob Solv)	1	Lib 160 (Library)
R	ENGR 101 (Engr Orient)		
1	Chem 178L (Chem II Lab)		
17	Total Credits	17	Total Credits

Year 2

Fall		Spring	
3	Mat E 311 (Thermo)	3	Mat E 314 (Kinetics and Phase Eq)
3	Mat E 317 (Intro Elect Prop)	3	Mat E 316 (Comput Meth)
3	Specialization	3	Specialization
3	Mat E Elective	3	Mat E Elective
3	EM 274 (Statics)	3	EM 324 (Mech of Materials)
3	Mat E 214 (Struct Char)		
18	Total Credits	15	Total Credits

Year 3

Fall		Spring	
R	Mat E 401	3	Mat E 414 (Mat Des & Prof Pract II)
3	Mat E 413 (Mat Des & Prof Pract I)	3	Tech Elect
3	Specialization	3	Mat E Elective
3	Tech Elect	3	Tech Elect
3	Mat E 418 (Mech Behav Mat)	3	US Diversity
3	Technical Writing		
15	Total Credits	15	Total Credits

This curriculum is intended to demonstrate that it is possible to complete a four-year degree in three years. The courses and sequence should be verified with an academic advisor, as the curriculum can change to address the needs of employers. Similar accelerated programs can be developed in all engineering disciplines.