2016-2017 B.S. in Materials Science and Engineering Enterprise Concentration Flow Chart

Fall Year 1
- CH1150 (3) Univ. Chemistry I F,Sp,Su
- CH1151 (1) Univ. Chem. Lab I F,Sp,Su
- ENG1101 (3) Eng. Analysis & Prob. Solving F,Sp,Su
- MA1160 (4) Calculus I F,Sp,Su
- PH1100 (1) Physics by Inquiry I F,Sp,Su
- UN1015 (3) Composition F,Sp,Su
15 Credits

Spring Year 1
- CH1150/51
- MA2160
- ENG1102 (3) Eng. Modeling and Design F,Sp,Su
- MA1160 (4) Calculus II F,Sp,Su
- PH1200 (1) Physics by Inquiry II F,Sp,Su
- UN1025 (3) Global Issues F,Sp,Su
17 Credits

Fall Year 2
- CH1160 (3) Univ. Chemistry II F,Sp,Su
- CH1161 (1) Univ. Chem. Lab II F,Sp,Su
- MA2160
- MA2321 (2) Linear Algebra (Track A) F,Sp,Su
- PH2100 (3) University Physics I F,Sp,Su
- UN1015 (3) Composition F,Sp,Su
- Critical and Creative Thinking Elective (3) F,Sp,Su
17 Credits

Spring Year 2
- CH1160/51
- MY3100 (4) Materials Processing I F
- CH1161 (1) Univ. Chem. Lab II F,Sp,Su
- MA3160 (4) Calculus III F,Sp,Su
- PH2200 (3) University Physics II F,Sp,Su
- UN1025 (3) Global Issues F,Sp,Su
- Social Responsibility and Ethical Reasoning Elective (3) F,Sp,Su
17 Credits

Fall Year 3
- MY3210 (4) Materials Characterization I Sp
- MY3110 (4) Materials Processing II F
- MA3521 (2) Differential Eq. (Track B) F,Sp,Su
- MEEM2150 (3) Mechanics of Materials F,Sp,Su
- ENT3950 (1) Enterprise Project Work I F,Sp,Su
- EC3400 (3) Economic Decision Analysis F,Sp,Su
- Communication/Composition Elective (3) F,Sp,Su
- Humanities/Fine Arts Elective (3) F,Sp,Su
14 Credits

Spring Year 3
- MY3210 (4) Materials Characterization II Sp
- MY3110 (4) Materials Processing II F
- MA3521 (2) Differential Eq. (Track B) F,Sp,Su
- MEEM2150 (3) Mechanics of Materials F,Sp,Su
- ENT3960 (1) Enterprise Project Work II F,Sp,Su
- Social and Behavioral Science Elective (3) F,Sp,Su
- Free Elective (2)
16 Credits

Fall Year 4
- ENT4950 (2) Enterprise Project Work III F,Sp,Su
- MY4600 (3) Introduction to Polymer Eng. F
- MY4300 (3) Mechanical Behavior of Materials Sp
- MY4940 (2) MSE Design of Experiments F
- Approved Elective (4)
- ENT Module (1)
- ENT Module (1)
15 Credits

Spring Year 4
- ENT4960 (2) Enterprise Project Work IV F,Sp,Su
- MY4800 (3) Material and Process Selection Sp
- Approved Elective (4)
- ENT Module (1)
- ENT Module (1)
- ENT Module (1)

131 credits required (128 shown). Students must complete 3 credits of Co-Curricular activities.
Blue arrows represent prerequisites, red arrows represent concurrent prerequisites.
Approved Electives are courses in Science Engineering or Mathematics at 3xxx level or higher.
Courses with dark outline (e.g. MY3210) are required to be “Senior Design Ready” (All are prerequisites for ENT4950)
Italicized courses have MY2100 as a prerequisite.