# Undergraduate Elective Courses

**Fall 2017**
- CM 2200 Intro to Minerals and Materials (3 cr)
- CM 3979 Alternative Energy Technology and Processes (1 cr)
- CM 4000 Undergraduate Research (1-3 cr)
- CM 4020 U-grad Research in Mineral Proc Eng’g (1-3 cr)
- CM 4040 U-grad Research in Bioengineering (1-3 cr)
- CM 4060 U-grad Research in Polymer Eng’g (1-3 cr)
- CM 4080 U-grad Research in Biofuels Eng’g (1-3 cr)
- **CM 4610 Intro to Polymer Science (3 cr) - NOT a core engg elective**
- CM 4655 Polymer Rheology Lab (1 cr)
- CM 4710* Biochemical Processes (3 cr)

**Spring 2018**
- CM 3830 Mineral Processing and Extraction Lab (1 cr)
- CM 4000 Undergraduate Research (1-3 cr)
- CM 4020 U-grad Research in Mineral Proc Eng’g (1-3 cr)
- CM 4040 U-grad Research in Bioengineering (1-3 cr)
- CM 4060 U-grad Research in Polymer Eng’g (1-3 cr)
- CM 4080 U-grad Research in Biofuels Eng’g (1-3 cr)
- CM 4125* Bioprocess Engineering Laboratory (1 cr)
- CM 4505* Particle Technology (3 cr)
- **CM 4620 Polymer Chemistry (3 cr) - NOT a core engg elective**
- CM 4650* Polymer Rheology (3 cr)
- CM 4740 Hydrometallurgy/Pyrometallurgy (4 cr)
- CM 4770* Analytical Microdevice Technology (3 cr)

**Fall 2018**
- CM 2200 Intro to Minerals and Materials (3 cr)
- CM 3450* Computer-Aided Problem Solving (3 cr)
- CM 3979 Alternative Energy Technology and Processes (1 cr)
- CM 4000 Undergraduate Research (1-3 cr)
- CM 4020 U-grad Research in Mineral Proc Eng’g (1-3 cr)
- CM 4040 U-grad Research in Bioengineering (1-3 cr)
- CM 4060 U-grad Research in Polymer Eng’g (1-3 cr)
- CM 4080 U-grad Research in Biofuels Eng’g (1-3 cr)
- **CM 4610 Intro to Polymer Science (3 cr) - NOT a core engg elective**
- CM 4631* Polymer Science Lab (2 cr) - NOT a core engg elective
- CM 4655 Polymer Rheology Lab (1 cr)
- CM 4780* Biomanufacturing and Biosafety (3 cr)

**Spring 2019**
- CM 3825* Sampling, Statistics and Instrumentation (2 cr)
- CM 3830 Mineral Processing and Extraction Lab (1 cr)
- CM 4000 Undergraduate Research (1-3 cr)
- CM 4020 U-grad Research in Mineral Proc Eng’g (1-3 cr)
- CM 4040 U-grad Research in Bioengineering (1-3 cr)
- CM 4060 U-grad Research in Polymer Eng’g (1-3 cr)
- CM 4080 U-grad Research in Biofuels Eng’g (1-3 cr)
- **CM 4620 Polymer Chemistry (3 cr) - NOT a core engg elective**
- CM 4740 Hydrometallurgy/Pyrometallurgy (4 cr)

*Starred courses are only offered every other year and will not be offered the following year.*

*Updated 5/2/2017*