

# Department of Chemical Engineering

## Fall 2019—Spring 2021

### Undergraduate Elective Courses

Class time schedules available on Banweb.

#### Fall 2019

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 4710\* Biochemical Processes (3 cr)

#### Spring 2020

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 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)

#### Fall 2020

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 4780\* Biomanufacturing and Biosafety (3 cr)

#### Spring 2021

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 4510\* Interfacial Engineering (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.