

# Department of Chemical Engineering

## Fall 2018—Spring 2020

### Undergraduate Elective Courses

Class time schedules available on Banweb.

#### 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 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 4510\* Interfacial Engineering (3 cr)
- CM 4620 Polymer Chemistry (3 cr) - NOT a core engg elective*
- CM 4740 Hydrometallurgy/Pyrometallurgy (4 cr)
- CM 4990 Membrane Separation Funds and Applications (3 cr)
- CM 4990 Climate Change Science and Engineering (3 cr)

#### Fall 2019

- 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 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 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)

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