

List of ChBE Electives (2017-18)

Course Title	Undergraduate Students	Graduate Students
Fall 2017		
Bioprocess Engineering	ChBE 4310 ^{4, 5}	ChBE 6779
Chemical Product Design	ChBE 4535	ChBE 4535
Pulp & Paper Manufacturing	ChBE 4720	ChBE 6741
Electrochem Storage	ChBE 4759 ¹	
Polymer Science & Eng. I	ChBE 4775 ¹	ChBE 4775 ¹
Mech Behavior-Composites	ChBE 4791 ²	
Energy Tech: Options & Policy	ChBE 4801	ChBE 8801
Chem Eng of Energy Systems	ChBE 4803	ChBE 8803
Biosurfaces	ChBE 4803 ⁴	ChBE 8803
Nanoporous Materials	ChBE 4803	ChBE 8803
Polymer Characterization	ChBE 6752 ^{1,2}	ChBE 6752 ¹
Spring 2018		
Microelec Fabrication	ChBE 4050	ChBE 6050
Emerg Tech in Forest Bioproduct	ChBE 4730	ChBE 8803
Drug Design, Dev., & Delivery	ChBE 4765 ⁴	ChBE 6765
Polymer Science & Eng. I	ChBE 4775 ¹	ChBE 4775 ¹
Polymer Science & Eng. II	ChBE 4776 ¹	ChBE 4776 ¹
Composite Materials & Proc.	ChBE 4793 ¹	ChBE 4793 ¹
Complex Fluids	ChBE 4803	ChBE 8803
Adv. Data Anal for ChBE	ChBE 4803	ChBE 8803
Chem. Eng. App in Materials Production	ChBE 4803	ChBE 8803
Fund of Sust Chem Industry	ChBE 4803	ChBE 8803
Tech. Leadership, Professionalism and Decision-making	ChBE 4803 ³	
Prep. & Reactions-Polymers	ChBE 6750 ^{1,2}	ChBE 6750 ¹

- 1 taught by non-ChBE faculty
- 2 undergrad ChBE students can take this course with consent of the instructor
- 3 can be used only as tech elective (not ChBE elective)
- 4 priority enrollment given to Biotechnology option students.
- 5 Elective for Standard option; required for Biotechnology option.