

CH E Department Electives 24-25

Fall 2024

CH E 126	Non-Newtonian Fluids, Soft Materials and Chemical Products	Squires, Todd
CH E 141	The Science and Engineering of Energy Conversion	McFarland, Eric
CHEM 109C	Organic Chemistry	Lewis, Robert
CHEM 115A	Physical Chemistry	Kirtman, Bernard
CHEM 142A	Biochemistry	Carlini, Andrea S.
CHEM 150	Analytical Chemistry	Svadlenak, Nathan
ECE 130A	Signal Analysis and Processing	Marden, Jason R.
ENGR 101	Ethics in Engineering	Hough, Kenneth
MATRL 100A	Structure and Properties	Harter, John A. Renuka Balakrishna, Ananya
MATRL 185 / ME 185	Materials in Engineering	Beyerlein, Irene
MCDB 101A	Molecular Genetics I: Prokaryotes	Volland, Jean-Marie Gonzalez Nino, Eduardo
MCDB 111	Human Physiology	Low, Seng
MCDB 126A	Basic Pharmacology	Azarenko, Olga
ME 112	Energy (Field of Energetics)	Matthys, Eric
ME 128	Design of Biomedical Devices	Laguetta, Steve
PHYS 123A	Condensed Matter Physics	Jin, Chenhao
PHYS 127AL	Analog Electronics	Patterson, David

Winter 2025

CH E 121	Colloids and Biosurfaces	Helgeson, Matthew
CH E 146	Heterogeneous Catalysis	Christopher, Phillip
CH E 152B	Advanced Process Control	Rawlings, Jim
CHEM W 109C	Organic Chemistry (Online)	Kahn, Kalju
CHEM 126	Computation Chemistry and Molecular Modeling	Kahn, Kalju
CHEM 142B	Biochemistry	Greene, Brandon
ECE 130A	Signal Analysis and Processing	Lee, Hua
ECE 130B	Signal Analysis and Processing	Madhow, Upamanyu
ENGR 101	Ethics in Engineering	Hough, Kenneth
MATH 122A	Theory of Complex Variables	Labutin, Denis or Landry, Theresa Basa
MATRL 100B	Structures and Properties II	Stemmer, Susanne
MATRL 135	Biophysics and Biomolecular Materials	Safinya, Cyrus R.
MCDB 101A	Molecular Genetics I: Prokaryotes	Richardson, Chris
MCDB 101B	Molecular Genetics II: Eukaryotes	Joshi, Pradeep or Simpson, Julie H.
MCDB 126B	Basic Pharmacology	Smith, Ikuko Azarenko, Olga
MCDB 133	Molecular and Cellular Immunobiology	De Tomaso, Anthony
PHYS 123B	Condensed Matter Physics	Xu, Cenke
PHYS 127BL	Digital Electronics	Lipman, Everett

Spring 2025

CH E 160/260 / MATRL 160	Introduction to Polymer Science	Segalman, Rachel
CH E 174/274	Biological Systems	Mukherjee, Arnab
CHEM 109C	Organic Chemistry	Anyika, M. & Lewis R. B.
CHEM 115C	Fundamentals of Quantum Chemistry	Kirtman, B.
CHEM 142C	Biochemistry	Reich, N. O.
CHEM 145	Computational Biochemistry	Kahn, K.
ECE 130B	Signal Analysis and Processing	Pedarsani, R.
ECE 130C	Introduction to Applied Linear Algebra	Yu, Q.
ECE 183	Nonlinear Phenomena	Byl, K. A.
ENGR 101	Ethics in Engineering	Hough, K. C.
ENV S 105	Solar and Renewable Energy	Deshmukh, R.
MATH 122B	Theory of Complex Variables	Landry, T. B.
MCDB 101B	Molecular Genetics I: Eukaryotes	Kranzfelder, P.
MCDB 111	Human Physiology	Thrower, D. A.
ME 110	Aerodynamics and Aeronautical Engineering	Meinhart, C.
ME 134	Advanced Thermal Science	Matthys, E.
ME 169	Nonlinear Phenomena	Byl, K.
PHYS 127AL	Analog Electronics	El-Soussi M. H.

*This course schedule is subject to change

Last updated: 3/17/25