

CH E Department Electives 25-26

Fall 2025

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	Hai. Yang
CHEM 150	Analytical Chemistry	De Vries, Mattanjah S.
ECE 130A	Signal Analysis and Processing	Marden, Jason R.
ENGR 101	Ethics in Engineering	Hough, Kenneth
MATRL 100A	Structure and Properties	Seshadri, Ram Harter, John
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 127AL	Analog Electronics	Lippincott, Hugh

Winter 2026

CH E 154	Engineering Approaches to Systems Biology	Dey, Siddharth
CH E 160	Introduction to Polymer Science	Bates, Frank
CHEM W 109C	Organic Chemistry (Online)	Khan, K.
CHEM 115B	Fundamentals of Quantum Chemistry	Vlcek, V.
CHEM 123	Fundamentals of Environmental Chemistry	Devries, M.S.
CHEM 142B	Biochemistry	Greene, B. L.
ECE 130A	Signal Analysis and Processing	Sen, P.
ENGR 101	Ethics in Engineering	Hough, K. C.
MATH 122A	Theory of Complex Variables	Labutin, D.A. / Do, K.
MATRL 100B	Structures and Properties II	Stemmer, S.
MATRL 135	Biophysics and Biomolecular Materials	Safinya, C. R.
MATRL 160 (cross listed with CH E 160)	Introduction to Polymer Science	Bates, Frank
MCDB 101A	Molecular Genetics I: Prokaryotes	Richardson, C.
MCDB 101B	Molecular Genetics II: Eukaryotes	Joshi, P. M. / Simpson J. H.
MCDB 126B	Basic Pharmacology	Smith J. & Azarenko, O.
MCDB 133	Molecular and Cellular Immunobiology	De Tomaso, A. W.
PHYS 123A	Condensed Matter Physics	Jin, C.
PHYS 127BL	Digital Electronics	Lippincott, W.

Spring 2026

CH E 160/260 / MATRL 160	Introduction to Polymer Science	Segalman, Rachel
CH E 174/274	Biological Systems	Mukherjee, Arnab
CHEM 109C	Organic Chemistry	TBA
CHEM 115C	Fundamentals of Quantum Chemistry	TBA
CHEM 142C	Biochemistry	TBA
CHEM 145	Computational Biochemistry	TBA
ECE 130B	Signal Analysis and Processing	TBA
ECE 130C	Introduction to Applied Linear Algebra	TBA
ECE 183	Nonlinear Phenomena	TBA
ENGR 101	Ethics in Engineering	TBA
ENV S 105	Solar and Renewable Energy	TBA
MATH 122B	Theory of Complex Variables	TBA
MCDB 101B	Molecular Genetics I: Eukaryotes	TBA
MCDB 111	Human Physiology	TBA
ME 110	Aerodynamics and Aeronautical Engineering	TBA
ME 134	Advanced Thermal Science	TBA
ME 169	Nonlinear Phenomena	TBA
PHYS 127AL	Analog Electronics	TBA

*This course schedule is subject to change

Last updated: 11/19/25