

CH E Department Electives 26-27

Fall 2026

CH E 166/266	Mechatronics and Instrumentation for Chemical Engineers
CH E 194	Group Studies for Advanced Students
CHEM 109C	Organic Chemistry
CHEM 115A	Physical Chemistry
CHEM 142A	Biochemistry
CHEM 150	Analytical Chemistry
ECE 130A	Signal Analysis and Processing
ENGR 101	Ethics in Engineering
MATRL 100A	Structure and Properties
MATRL 185 / ME 185	Materials in Engineering
MCDB 101A	Molecular Genetics I: Prokaryotes
MCDB 111	Human Physiology
MCDB 126	Basic Pharmacology
ME 128	Design of Biomedical Devices
PHYS 123A	Condensed Matter Physics
PHYS 127AL	Analog Electronics

Winter 2027

CH E 154	Engineering Approaches to Systems Biology
CH E 160	Introduction to Polymer Science
CHEM W 109C	Organic Chemistry (Online)
CHEM 115B	Fundamentals of Quantum Chemistry
CHEM 123	Fundamentals of Environmental Chemistry
CHEM 142B	Biochemistry
ECE 130A	Signal Analysis and Processing
ENGR 101	Ethics in Engineering
MATH 122A	Theory of Complex Variables
MATRL 100B	Structures and Properties II
MATRL 135	Biophysics and Biomolecular Materials
MATRL 160 (cross listed with CH E 160)	Introduction to Polymer Science
MCDB 101A	Molecular Genetics I: Prokaryotes
MCDB 101B	Molecular Genetics II: Eukaryotes
MCDB 126B	Basic Pharmacology
MCDB 133	Molecular and Cellular Immunobiology
PHYS 123A	Condensed Matter Physics
PHYS 127BL	Digital Electronics

Spring 2027

CH E 160/260 / MATRL 160	Introduction to Polymer Science
CH E 174/274	Biological Systems
CHEM 109C	Organic Chemistry

CHEM 115C	Fundamentals of Quantum Chemistry
CHEM 142C	Biochemistry
CHEM 145	Computational Biochemistry
ECE 130B	Signal Analysis and Processing
ECE 130C	Introduction to Applied Linear Algebra
ECE 183	Nonlinear Phenomena
ENGR 101	Ethics in Engineering
ENV S 105	Solar and Renewable Energy
MATH 122B	Theory of Complex Variables
MCDB 101B	Molecular Genetics I: Eukaryotes
MCDB 111	Human Physiology
ME 110	Aerodynamics and Aeronautical Engineering
ME 134	Advanced Thermal Science
ME 169	Nonlinear Phenomena
PHYS 127AL	Analog Electronics

*This course schedule is subject to change

Last updated: 9/3/2026