


DRURY UNIVERSITY
LEARNING OUTCOMES (as of Spring 2026)

Chemistry Program

PLO1: Demonstrate an understanding of analytical, biochemical, inorganic, organic and physical chemistry

PLO2: Demonstrate an ability to perform chemical laboratory techniques.

PLO3: Communicate chemical ideas, data, and results, clearly and accurately.

Chemistry Program Matrix with Program Learning Outcomes (PLO)

The matrix below shows the points in the curriculum where the students are expected to gain the necessary knowledge and acquire critical skills identified in the **three** PLOs described above.

Course	Course No.	SLO 1: Chemical Knowledge	SLO 2: Laboratory & Technical Skills	SLO 3: Critical Thinking & Communication
Introductory Chemistry	121	I	I	I
Foundations of Chemistry	131	I		I
Foundations of Chemistry Lab	131L		I	I
Inorganic Chemistry	238	P		P
Inorganic Chemistry Lab	238L		P	P
Quantitative Chemical Analysis	310	P		P
Quantitative Chemical Analysis Lab	310L		P	P
Organic Chemistry	315	P		P
Organic Chemistry Lab	315L		P	P
Physical Chemistry	327	P		P
Physical Chemistry Lab	327L		P	P
Biochemistry	336	P		P
Biochemistry Lab	336L		P	P
Advanced Inorganic Chemistry	338	M		P
Advanced Inorganic Chemistry Lab	338L		M	M
Instrumental Analysis	410	M		P
Instrumental Analysis Lab	410L		M	M
Medicinal Chemistry	414	M		P
Medicinal Chemistry Lab	414L		M	M
Advanced Organic Chemistry	415	M		P
Advanced Organic Chemistry Lab	415L		M	M
Advanced Physical Chemistry	427	M		P
Advanced Physical	427L		M	M

Course	Course No.	SLO 1: Chemical Knowledge	SLO 2: Laboratory & Technical Skills	SLO 3: Critical Thinking & Communication
Chemistry Lab				
Advanced Biochemistry	436	M		P
Advanced Biochemistry Lab	436L		M	M
Research	281	I	I	I
Research	381	P	P	P
Research	481	M	M	M
Internship	397	M	M	M
Chemistry Capstone	494	M	M	M

Key:

I= Introduced

P=Practiced

M=Mastered