

	3 SH	2 SH	5 SH	4 SH	2 SH	4 SH	3 SH	1 SH	3 SH
Program SLOs	CHM 3230 Organic III	CHM 3740L Advanced Lab Techniques	CHM 3410 Physical Chemistry I	CHM 3411 Physical Chemistry II	CHM 3741L Physical Chemistry Lab	CHM 3400C Basic Physical Chemistry	CHM 3120 Analytical Chemistry	CHM 3120L Analytical Chemistry Lab	CHM 4930 Seminar: Special Topics in Advanced Chemistry
Content									
Demonstrate competence in practical aspects of chemistry, including: Laboratory skills, Selection and proper use of modern instruments, Proper calibration practices, and/or Computer-based data acquisition		X			X	X		X	
Critical Thinking									
Use chemical literature effectively and efficiently by demonstrating basic techniques in on-line searches for specific reference/review articles	X	X	X	X	X	X	X	X	X
Communication									
Communicate professionally about chemistry through writing in an accepted scientific format and orally in a public venue	X	X	X	X	X	X	X	X	X
Integrity / Values									
Recognize ethical components in complex situations		X			X	X		X	
Project Management									
Design and execute projects reasonably for available time constraints		X			X	X		X	
Hazard/Risk Management									
Handle hazardous materials safely		X				X		X	

Department Name

<https://uwf.edu/hmcse/departments/chemistry/>

1 SH	3 SH	1 SH	4 SH	1 SH	3 SH	1 SH
CHM 4931 Seminars in Chemistry	CHM 4455 Introduction to Polymer Science	CHM 4455L Introduction to Polymer Science Lab	CHM 4611 Inorganic Chemistry	CHM 4610L Inorganic Synthesis	CHM 4130 Instrumental Analysis	CHM 4310L Instrumental Analysis Lab

		X		X		X

X	X	X	X	X	X	X

X	X	X	X	X	X	X

X		X		X		X

		X		X		X

		X		X		X