

Program Map for Chemistry Major

Major Requirements Course	Program Outcome #1 Relate observable phenomena to molecular events according to prevailing chemical theories.	Program Outcome #2 Identify, synthesize, predict and explain the structure of a variety of compounds, both inorganic and organic	Program Outcome #3 Accurately and safely obtain and analyze data from experimental sources, including traditional laboratory methods, computer-interfaced data collection devices, and advanced analytical instrumentation.	Program Outcome #4 Use critical thinking skills to analyze applications of chemical knowledge and theories.	Program Outcome #5 Communicate effectively the results of laboratory experiments, including error analysis
Chem 1A or 4A	I, P	I	I	I	I, P, D
Chem 1B or 4B	P	P	P	P, D	I, P, D
Chem 12A	P, D	P	P, D	P, D	I, P, D
Chem 12B	P, D	P, D	P, D	P, D	I, P, D
Math 1A				X	
Math 1B				X	
Phys 40	X		X	X	X
Phys 41	X		X	x	x
LIR 10 or 30			X	X	X