

CHEMISTRY MAJOR

Four Year Plan

Course	Title	Hours
First Year		
Fall		
CHEM 125	Introduction to Chemical Structure and Properties	4
INTG 100	Learning Foundations (LF)	4
Language 111		4
CHEM 201	Purification and Separation Lab I	1
INTG 105	College Success	1
Hours		14
Spring		
CHEM 250	Reactions of Nucleophiles and Electrophiles (Reactivity 1)	4
Elective (CI)		4
Language 112		4
CHEM 202	Purification and Chromatography Lab II	1
Elective (Integrations Req)		4
Hours		17
Second Year		
Fall		
CHEM 251	Intermediate Reactions of Nucleophiles and Electrophiles (Reactivity 2)	4
THEO 100	Theological Explorations (TE)	4
PHYS 105 or PHYS 191	Physics for the Life Sciences I or Foundations of Physics I	4
Language 211		4
CHEM 203	Synthesis Lab	1
Hours		17
Spring		
CHEM 255	Macroscopic Chemical Analysis	4
PHYS 106 or PHYS 200	Physics for the Life Sciences II or Foundations of Physics II	4
MATH 119	Calculus I	4
CHEM 205	Chemical Measurement Lab	1
CHEM 349	Chemistry in Experience and Practice	1
CHEM 3@@@		2
Hours		16
Third Year		
Fall		
CHEM 315	Advanced Reactions (Reactivity 3)	4
Elective (INTG Requirement)		4
Elective (INTG Requirement)		4
CHEM 304	Analytical Method Development and Validation Laboratory	1
CHEM 3@@@		2
Hours		15
Spring		
CHEM 3@@@		2
CHEM 3@@@		2
Elective (INTG Requirement)		4
Elective (INTG Req)/ACS Requirement		4
CHEM 306 Topics Course		1
Elective (INTG Requirement)		4
Hours		17
Fourth Year		
Fall		
Elective (INTG Requirement)		4
Elective (INTG Requirement)		4
Elective (INTG Requirement)		4

CHEM 3@@@		2
CHEM 3@@@		2
Hours		16
Spring		
INTG 300	Learning Integrations	4
CHEM 360	Junior/Senior Capstone Research	2
CHEM XXX		0
Elective (INTG Requirement)		4
CHEM 3@@@		2
Elective (INTG Req)/ACS Requirement		4
Hours		16
Total Hours		128