CHEMISTRY MAJOR

Requirements

Basic major requirements comprise 52 hours, including:

Code	Title	Credits
Major Requirements		
CHEM 231	General Chemistry I	4
CHEM 232	General Chemistry II	4
CHEM 294	Chemistry Colloquium (two credits are required, preferably taken each semester sophomore year)	2
CHEM 336	Inorganic Chemistry	4
CHEM 341	Organic Chemistry I	4
CHEM 342	Organic Chemistry II	4
CHEM 355	Introduction to Analytical Chemistry	2
CHEM 455	Advanced Analytical Chemistry I	2
or CHEM 457	Advanced Analytical Chemistry II	
CHEM 371	Physical Chemistry I	4
CHEM 494	Chemistry In Context	2
Electives		
Select two (at least four additional credits) of the following advanced chemistry electives: [1]		4
CHEM 372	Physical Chemistry II	
CHEM 475	Methods in Physical Chemistry [1]	
CHEM 461	General Biochemistry	
CHEM 463	Biochemistry Analysis [1]	
CHEM 485	Synthesis And Analysis [1]	
CHEM 455	Advanced Analytical Chemistry I [1, 2]	
or CHEM 457	Advanced Analytical Chemistry II	
CHEM 436	Physical Inorganic Chemistry	
or CHEM 437	Organometallic Chemistry	
Supporting Courses		
MATH 235	Calculus I	4
MATH 236	Calculus II	4
PHYS 231	Introductory Physics I	4
PHYS 232	Introductory Physics II	4
Total Credits		**52**

[1] At least one of these elective courses must be a lab course, i.e.:
- CHEM 475 Methods in Physical Chemistry,
- CHEM 455 Advanced Analytical Chemistry I,
- CHEM 457 Advanced Analytical Chemistry II,
- CHEM 463 Biochemistry Analysis,
- CHEM 485 Synthesis And Analysis.

[2] CHEM 455 Advanced Analytical Chemistry I or CHEM 457 Advanced Analytical Chemistry II (i.e. the one not already taken above in the major requirements).