

CHEMISTRY 4-YEAR COURSE SAMPLE

FRESHMAN LEVEL

SEMESTER 1

CHE 101	Principles of Chemistry I	5
ENG 106	Argumentative and Research Writing	3
GEN 101	First-Year Seminar	3
SCI 010	Science Seminar	0
MAT 114	Algebra and Trigonometry	4

Credit hours 15

SEMESTER 2

CHE 102	Principles of Chemistry II	5
MAT 115	Advanced Trigonometry	2
PHI 105	Introduction to Ethical Reasoning	1½
COM 115	Essentials-Interpersonal Communication	1½
	General Education Course(s)	3
	Elective*	3

Credit hours 16

JUNIOR LEVEL

SEMESTER 1

CHE 300	Analytical Chemistry	4
PHS 203	University Physics I	5
	General Education Course(s)	3
	Elective*	3

Credit hours 15

SEMESTER 2

CHE 301	Instrumental Analysis	3
SCI 300	Science Literature and Seminar	2
PHS 205	University Physics II	5
	General Education Course(s)	3
	Elective*	3

Credit hours 16

SOPHOMORE LEVEL

SEMESTER 1

CHE 201	Organic Chemistry I	3
CHE 251	Organic Chemistry I Lab	1
MAT 201	Calculus I	5
	General Education Course(s)	3
	Elective*	3

Credit hours 15

SEMESTER 2

CHE 202	Organic Chemistry II	3
CHE 252	Organic Chemistry II Lab	1
MAT 202	Calculus II	5
THE 101	Introduction to Theological Studies	3
	General Education Course(s)	3

Credit hours 15

SENIOR LEVEL

SEMESTER 1

CHE 401	Physical Chemistry I	3
CHE 460	Advanced Chemistry Lab & Analysis	2
SCI 425	Science Capstone I	2
	General Education Course(s)	3
	Elective(s)*	6

Credit hours 16

SEMESTER 2

CHE 402	Physical Chemistry II	3
SCI 426	Science Capstone II	2
CHE 3xx	Chemistry Elective	5
	Elective(s)*	6

Credit hours 16

* Elective courses are applicable to a minor or a second major.

- Minimum GPA of 2.5 in major courses required
- Minimum cumulative GPA of 2.0 required
- Minimum of 120 credits required for graduation