

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
CHE 010	Chemistry 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	1.5
COM 115	Essentials-Interpersonal Communication	1.5
	Theme Course(s)	3
	Elective*	3

Credit hours 16

JUNIOR LEVEL

SEMESTER 1

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

Credit hours 15

SEMESTER 2

CHE 301	Instrumental Analysis	4
CHE 312	Chemistry Literature and Seminar	2
PHS 205	University Physics II	5
	Theme Course(s)	3
	Elective*	3

Credit hours 17

SOPHOMORE LEVEL

SEMESTER 1

CHE 201	Organic Chemistry I	3
CHE 251	Organic Chemistry I Lab	1
MAT 201	Calculus I	5
	Theme 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
	Theme Course(s)	3

Credit hours 15

SENIOR LEVEL

SEMESTER 1

CHE 401	Physical Chemistry I	3
CHE 451	Physical Chemistry I Lab	1
CHE 425	Chemistry Senior Research I	1
	Theme Course(s)	3
	Elective(s)*	6

Credit hours 14

SEMESTER 2

CHE 402	Physical Chemistry II	3
CHE 452	Physical Chemistry II Lab	1
CHE 426	Chemistry Senior Research II	1
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