

Sample Schedule: BS Analytical

FRESHMAN YEAR (29 CR)

Semester 1

CHEM 211, 213 General Chemistry I	4
MATH 113 Anal. Geom. & Calc. I	4
HIST 125	3
ENGH 101	3
14	

Semester 2

CHEM 212, 214 General Chemistry II	4
MATH 114 Anal. Geom. & Calc. II	4
BIOL 213 Cell Structure & Function	4
COMM requirement	3
15	

SOPHOMORE YEAR (31 CR)

Semester 3

CHEM 313 Organic Chemistry I	3
CHEM 315 Organic Chemistry Lab I	2
PHYS 160 University Physics I	3
PHYS 161 University Physics Lab I	1
MATH 213 Anal. Geom. & Calc. III	3
IT requirement - CDS 130	3
15	

Semester 4

CHEM 314 Organic Chemistry II	3
CHEM 318 Organic Chemistry Lab II	2
CHEM 321 Quant. Chem. Analysis	4
PHYS 260 University Physics II	3
PHYS 261 University Physics Lab II	1
Literature requirement	3
16	

JUNIOR YEAR (29 CR)

Semester 5

CHEM 331 Physical Chemistry I	3
CHEM 336 Physical Chemistry Lab I	2
CHEM 463 Gen. Biochemistry I	4
ENGH 302	3
Social and Behavioral Sciences req.	3
15	

Semester 6

CHEM 332 Physical Chemistry II	3
CHEM 337 Physical Chemistry Lab II	2
CHEM Elective	3
Analytical area req.	3
Arts requirement	3
14	

SENIOR YEAR (31 CR)

Semester 7

CHEM 441 Prop./Bond. Inorg. Comp.	3
CHEM 422 Instr. Meth. Chem. Anal.	3
Global Understanding requirement	3
CHEM Elective	3
Analytical area requirement	3
15	

Semester 8

CHEM 445 or CHEM 465 Lab	2
CHEM 423 Instr. Meth. Chem. Anal. Lab	2
Mason Apex requirement	3
Electives	9
16	

Note: Mason Core courses and Electives can generally be taken during any semester. The major degree requirements are shown in the order in which they should be taken so that pre- and co-requisites are satisfied.