



Chemistry Major – Bachelor of Science (2021-22 start)

FIRST YEAR-SEMESTER #1

BIO 111 Principles of Biology I	4
BIO 111A Prin. of Biology I Lab	0
CHE 111 General Chemistry I	3
CHE 111A Gen. Chem. I Lab	1
MTH 193 Calculus I	4
CORE 115	3

FIRST YEAR- SEMESTER #2

CHE 112 General Chemistry II	3
CHE 112A Gen. Chem II Lab	1
MTH 194 Calculus II	4
COM 100/ ENG 101	3
SOC 103	3
Core requirement	3

UNIVERSITY CORE

COMMON GOOD

CORE 115 Common Ground	Code COR
Justice & the Common Good	Code JCG
Ethics	Code CE
Experiential Learning	Code EXP
Core Capstone	Code CCP

HUMANITIES

Speech (COM 100)	Code C
Writing (ENG 101)	Code C
Literature (ENG)	Code CL
Art or Music	Code CAM
History	Code CH
Religious Studies	Code CR
Philosophy	Code CP

SCIENCES

Biology/Chemistry/Physics + Lab	Code CN
Mathematics	Code CMA
SOC 103 Our Social World	Code CS

Choose one discipline:

ECO 212 Microeconomics	Code CEP
PSY 103 Psychology	Code CEP

SECOND YEAR-SEMESTER #1

CHE 211 Organic Chemistry I	3
CHE 211A Org. Chem I Lab	1
PHY 201 General Physics I	3
PHY 201A Gen. Physics I Lab	1
CED 220 Foundations of Professionalism	1
COM 100/ENG 101	3
Core requirement	3

SECOND YEAR-SEMESTER #2

CHE 212 Organic Chemistry II	3
CHE 212A Org. Chem II Lab	1
CHE 200 Chem. Soph. Seminar	1
PHY 202 General Physics II	3
PHY 202A Gen. Physics II Lab	1
Core requirement	3
Core requirement	3

THIRD YEAR-SEMESTER #1

CHE 314 Inter. Analytical Chem	3
CHE 314A Inter. Analytical Chem Lab	1
CHE 325 Biochemistry I	3
CHE 325A Biochem. I Lab	1
Core requirement	3
Core requirement	3
Elective	3

THIRD YEAR-SEMESTER #2

CHE 315 Instrumental Analysis	3
CHE 315A Instrum. Analysis Lab	1
CHE 360 Intermed. Inorg. Chem	3
CHE 360A Int Inorganic Lab	1
CHE 300 Chem. Junior Seminar	1
Core requirement	3
Core requirement	3

FOURTH YEAR-SEMESTER #1

CHE 350 Physical Chemistry I	3
CHE 350A Phys. Chem I Lab	1
Major Expanded Knowledge	4
Elective	3
Elective	3
Elective	3

FOURTH YEAR-SEMESTER #2

CHE 355 Physical Chem. II	3
CHE 355A Phys. Chem II Lab	1
CHE 400 Chem. Seminar & Capstone	1
Core Capstone	3
Elective	3
Elective	3

NOTES

Prerequisites:

Chemistry- College preparatory high school chemistry or the successful completion of a placement test.

Math- Three years of college preparatory high school mathematics including functions.

120 credits hours minimum needed to graduate.

*Students must have an appropriate math placement before enrolling in MTH 193 and CHE 111.

Curriculum Guide does not replace advising by a faculty member within the Chemistry program.