

Freshman Year (Year 1)

Fall Semester

Course Name	Grade	Year
CHM 1045 General Chemistry I w/Lab (4)		
CHM 1901 Freshman Special Topics I (1)		
MAC 2311 Calculus I (4)		
ENC 1101 Freshman Communication I (3)		
Approved Humanities Course (3)		

Total Semester Hours:

Total Freshman Year Hours:

Spring Semester

Course Name	Grade	Year
CHM 1046 General Chemistry II w/Lab (4)		
CHM 1902 Freshman Special Topics II (1)		
MAC 2312 Calculus II (4)		
ENC 1102 Freshman Communication II (3)		
Approved Humanities Course (3)		

Total Semester Hours:

Sophomore Year (Year 2)

Fall Semester

Course Name	Grade	Year
CHM 2210 Organic Chemistry I w/Lab (4)		
CHM 2903 Sophomore Special Topics I (1)		
CHM 3120 Analytical Chemistry w/Lab (4)		
BSC 1010 General Biology I w/Lab (4)		
Approved Social Science Course (3)		

Total Semester Hours:

Total Sophomore Year Hours:

Spring Semester

Course Name	Grade	Year
CHM 2211 Organic Chemistry II w/Lab (4)		
CHM 2904 Sophomore Special Topics II (1)		
CHM 4130 Instrumental Analysis w/Lab (4)		
BSC 1011 General Biology II w/Lab (4)		
Approved African American History Course (3)		

Total Semester Hours:

Junior Year (Year 3)

Fall Semester

Course Name	Grade	Year
BCH 4033 Biochemistry I w/Lab (4)		
CHM 3905 Junior Special Topics I (1)		
PHY 2048 General Physics I w/Lab (5)		
Approved Science Elective (4) (see approved science electives list below)		

Total Semester Hours:

Total Freshman Year Hours:

Spring Semester

Course Name	Grade	Year
BCH 4034 Biochemistry II w/Lab (4)		
CHM 3906 Junior Special Topics II (1)		
PHY 2049 General Physics II w/Lab (5)		
Approved Science Elective (4) (see approved science elective list below)		

Total Semester Hours:

Senior Year (Year 4)

Fall Semester

Course Name	Grade	Year
CHM 3610 Inorganic Chemistry w/Lab (4)		
CHM 4220 Advanced Organic Chemistry (3)		
CHM 4410 Physical Chemistry I w/Lab (4)		
CHM 4900 Chemistry Short Courses (1)		
Approved Social Science Course (3)		

Total Semester Hours:

Total Senior Year Hours:

Total Curriculum Hours:

Spring Semester

Course Name	Grade	Year
BCH 4042 Proteins (3)		
CHM 4411 Physical Chemistry II w/Lab (4)		
CHM 4501 Biophysical Chemistry (3)		
CHM 4615 Advanced Inorganic Chemistry (3)		
CHM 4900 Chemistry Short Courses (1)		
CHM 4930 Chemistry Seminar (1)		

Total Semester Hours:

Curriculum Notes

Approved Science Electives List – A4201/Chemistry

Biological Sciences

BSC 2085 Anatomy & Physiology I (3)
 BSC 2085L Anatomy & Physiology I Lab (1)
 BSC 2086 Anatomy & Physiology II (3)
 BSC 2086L Anatomy & Physiology II Lab (1)
 BSC 4434 Introduction to Bioinformatics (3)
 BSC 4905 Directed Individual Study (1-4)
 MCB 3020 Microbiology (3)
 MCB 3020L Microbiology Lab (1)
 PCB 3063 Genetics (3)
 PCB 3063L Genetics Lab (1)
 PCB 3723 Vertebrate Physiology (3)
 PCB 3723L Vertebrate Physiology Lab (1)
 PCB 4023 Molecular Cell Biology (3)
 PCB 4023L Molecular Cell Biology Lab (1)
 PCB 4024 Advanced Molecular Biology (3)
 PCB 4024L Advanced Molecular Biology Lab (1)
 PCB 4233 Immunology (3)
 ZOO 3603 Developmental Anatomy (2)
 ZOO 3603L Developmental Anatomy Lab (1)
 ZOO 3713 Comparative Vertebrate Anatomy (3)
 ZOO 3713L Comparative Vertebrate Anatomy Lab (1)
 ZOO 3753 Histology (3)
 ZOO 3753L Histology Lab (1)
 ZOO 4513 Animal Behavior (3)

Approved Science Electives List – A4201/Chemistry

Chemistry

- BCH 4044 Nucleic Acids (3)
- BCH 4047L Biochemical Research Methods (1-4)
- CHM 4821L Chemical Research Methods (1-4)
- CHM 4900 Short Courses (1-4)
- CHM 4905 Directed Individual Study (1-4)

Computer Information Sciences

- CGS 2060 Computer Literacy (3)
- COP 3014 Fundamentals of Programming (3)
- COP 3014L Fundamentals of Programming Lab (1)

Mathematics

- MAC 1105 College Algebra (3)
- MAC 1105C College Algebra (4)
- MAC 1114 Algebraic & Trigonometric Functions (3)
- MAC 1147 Pre-Calculus (4)
- MAC 2313 Calculus III (5)
- MAP 2302 Differential Equations (3)
- STA 2023 Introduction to Probability & Statistics (3)
- STA 3034 Statistics II (3)

Physics

- PHY 4221 Mechanics I (3)
- PHY 4323 Electromagnetics I (3)