

CCAC AS IN BIOCHEMISTRY to CHATHAM BS IN BIOCHEMISTRY

Odd Year Start

CCAC: YEARS 1 AND 2	
Course	Credits
FALL 1	
CHM151/L General Chemistry 1 with Lab	4
ENG101 English Composition 1	3
HUM Humanities Elective (Take English or Philosophy Course)	3
SPH101 Oral Communication	3
CIT Computer Info Technology Elective (Take CIT111 Introduction to Programming: Java)	4
Total credits	17
SPRING 1	
CHM152/L General Chemistry 2 with Lab	4
ENG102 English Composition 2	3
MAT201 Calculus 1	4
PHY221 Physics for Science and Engineering 1	4
Total credits	15
FALL 2	
CHM201/L Organic Chemistry 1 with Lab	4
MAT202 Calculus 2	4
PHY222 Physics for Science and Engineering 2	4
HUM Humanities Elective (Take art or music course)	3
Total credits	15
SPRING 2	
CHM202/L Organic Chemistry 2 with Lab	4
MAT250 Calculus 3	4
PHY223 Physics for Science and Engineering 3	4
SOSC Social Science Elective (Take economics, history, political science, psychology, or criminology)	3
Total credits	15

CHATHAM UNIVERSITY: YEARS 3 AND 4	
Course	Credits
FALL 3	
BIO143 The Cell	3
BIO143L The Cell Lab	1
CHM209 Inorganic Chemistry (Gen Ed SEE)	3
IND200W Introduction to Scientific Research	2
Gen Ed Depth 200-level or above	3
Gen Ed Mission: Global and International (GBL)	3
Wellness	1
Total credits	16
SPRING 3	
BIO144 The Organism	3
BIO144L The Organism Lab	1
BIO231 Cell & Molecular Biology	3
CHM216LW Organic Chemistry Lab	2
CHM318L Chemical Analysis Lab	3
CHM322 Topics in Analytical Chemistry	3
Wellness	1
Total credits	16
FALL 4	
BIO417 Genetics OR Gen Ed Mission: Engagement and Responsibility (EGR)	3
CHM311 Physical Chemistry I	3
CHM317L Integrated Chemistry Lab	2
CHM 338 Biochemistry I	3
CHM 340 Macromolecule Lab	2
IND 350W Scientific Research Methods	2
Total credits	15
SPRING 4	
BIO221 Microbiology OR Gen Ed Mission: Engagement and Responsibility (EGR)	3
CHM339 Biochemistry II	3
CHM 490 Chemistry Capstone	3
Gen Ed Depth 200-level or above	3
Internship (<i>Many Chatham students complete over the summer</i>)	3
Total credits	15

CCAC AS IN BIOCHEMISTRY to CHATHAM BS IN BIOCHEMISTRY

Even Year Start

CCAC: YEARS 1 AND 2	
Course	Credits
FALL 1	
CHM151/L General Chemistry 1 with Lab	4
ENG101 English Composition 1	3
HUM Humanities Elective (Take English or Philosophy Course)	3
SPH101 Oral Communication	3
CIT Computer Info Technology Elective (Take CIT111 Introduction to Programming: Java)	4
Total credits	17
SPRING 1	
CHM152/L General Chemistry 2 with Lab	4
ENG102 English Composition 2	3
MAT201 Calculus 1	4
PHY221 Physics for Science and Engineering 1	4
Total credits	15
FALL 2	
CHM201/L Organic Chemistry 1 with Lab	4
MAT202 Calculus 2	4
PHY222 Physics for Science and Engineering 2	4
HUM Humanities Elective (Take art or music course)	3
Total credits	15
SPRING 2	
CHM202/L Organic Chemistry 2 with Lab	4
MAT250 Calculus 3	4
PHY223 Physics for Science and Engineering 3	4
SOSC Social Science Elective (Take economics, history, political science, psychology, or criminology)	3
Total credits	15

CHATHAM UNIVERSITY: YEARS 3 AND 4	
Course	Credits
FALL 3	
BIO143 The Cell	3
BIO143L The Cell Lab	1
CHM209 Inorganic Chemistry (Gen Ed SEE)	3
CHM311 Physical Chemistry I	3
CHM317L Integrated Chemistry Lab	2
IND200W Introduction to Scientific Research	2
Wellness	1
Total credits	15
SPRING 3	
BIO144 The Organism	3
BIO144L The Organism Lab	1
CHM216LW Organic Chemistry Lab	2
BIO231 Cell and Molecular Biology	3
Gen Ed Depth 200-level or above	3
Gen Ed Depth 200-level or above	3
Wellness	1
Total credits	16
FALL 4	
BIO417 Genetics OR Gen Ed Mission: Engagement and Responsibility (EGR)	3
CHM338 Biochemistry I	3
CHM340 Macromolecule Lab	2
IND350W Scientific Research Methods	2
Internship (<i>Many Chatham students complete over the summer</i>)	3
Gen Ed Mission: Global and International (GBL)	3
Total Credits	16
SPRING 4	
BIO221 Microbiology OR Gen Ed Mission: Engagement and Responsibility (EGR)	3
CHM318L Chemical Analysis Lab	3
CHM322 Topics in Analytical Chemistry	3
CHM339 Biochemistry II	3
CHM 490 Chemistry Capstone	3
Total credits	15