

## BS: Biochemistry, ACS

Major: 45 Cognate: 37  
Gen Ed: 45 Elective: -3

Chemistry & Biochemistry Core	34
CHEM131 General Chem I	4
CHEM131 General Chem II	4
CHEM231 Organic Chem I	3
CHEM232 Organic Chem II	3
CHEM241 Organic Chem Lab I	1
CHEM242 Organic Chem Lab II	1
CHEM210 Current Chemistry Topics	0
CHEM200 Quantitative Analysis	4
CHEM431 Physical Chem I	3
CHEM441 Physical Chem Lab I	1
BCHM421 Biochemistry I	4
CHEM400 Chemical Separations	2
CHEM430 Instrumental Analysis	2
CHEM311 Seminar in Chem I	0.5
CHEM312 Seminar in Chem II	0.5
CHEM411 Seminar in Chem III	0.5
CHEM412 Seminar in Chem IV	0.5

Core plus the following	11
BCHM422 Biochemistry II	3
BCHM430 Biochemistry Lab	1
CHEM415 Adv Inorganic Chem	4
CHEM432 Phys Chem II	3

COGNATES	37
MATH191(5) Calculus I	4
MATH192 Calculus II	4
MATH286 Differential Equations	3
BIOL165 Foundations of Biology	5
BIOL166 Foundations of Biology	5
PHYS241 Physics for Sci & Eng I	4
PHYS242 Physics for Sci & Eng II	4
PHYS271 Phys for Sci & Eng LAB I	1
PHYS272 Phys for Sci & Eng LAB II	1
CPTR125/15 Computer Programming	3
<u>One of Advanced Biology</u>	
BIOL371 Gen, Cell & molec bio I (F)	3
BIOL418 Immunology (F)	2

General Education 45

see bulletin year

## BS: Chemistry, ACS

Major: 44 Cognate: 24  
Gen Ed: 45 Elective: 11

Chemistry & Biochemistry Core	34
CHEM131 General Chem I	4
CHEM131 General Chem II	4
CHEM231 Organic Chem I	3
CHEM232 Organic Chem II	3
CHEM241 Organic Chem Lab I	1
CHEM242 Organic Chem Lab II	1
CHEM210 Current Chemistry Topics	0
CHEM200 Quantitative Analysis	4
CHEM431 Physical Chem I	3
CHEM441 Physical Chem Lab I	1
BCHM421 Biochemistry I	4
CHEM400 Chemical Separations	2
CHEM430 Instrumental Analysis	2
CHEM311 Seminar in Chem I	0.5
CHEM312 Seminar in Chem II	0.5
CHEM411 Seminar in Chem III	0.5
CHEM412 Seminar in Chem IV	0.5

Core plus the following	10
CHEM415 Adv Inorganic Chem	4
CHEM432 Physical Chem II	3
CHEM442 Physical Chem Lab II	1
CHEM47x Advanced Chemistry	2

COGNATES	24
MATH191(5) Calculus I	4
MATH192 Calculus II	4
MATH286 Differential Equations	3
PHYS241 Physics for Sci & Eng I	4
PHYS242 Physics for Sci & Eng II	4
PHYS271 Phys for Sci & Eng LAB I	1
PHYS272 Phys for Sci & Eng LAB II	1
CPTR125/15 Computer Programming	3

General Education 45

see bulletin year

## BS: Chemistry

Major: 38 Cognate: 21  
Gen Ed: 45 Elective: 20

Chemistry & Biochemistry Core	34
CHEM131 General Chem I	4
CHEM131 General Chem II	4
CHEM231 Organic Chem I	3
CHEM232 Organic Chem II	3
CHEM241 Organic Chem Lab I	1
CHEM242 Organic Chem Lab II	1
CHEM210 Current Chemistry Topics	0
CHEM200 Quantitative Analysis	4
CHEM431 Physical Chem I	3
CHEM441 Physical Chem Lab I	1
BCHM421 Biochemistry I	4
CHEM400 Chemical Separations	2
CHEM430 Instrumental Analysis	2
CHEM311 Seminar in Chem I	0.5
CHEM312 Seminar in Chem II	0.5
CHEM411 Seminar in Chem III	0.5
CHEM412 Seminar in Chem IV	0.5

Core plus the following	4
CHEM415 Adv Inorganic Chem	4

COGNATES	21
MATH191(5) Calculus I	4
MATH192 Calculus II	4
PHYS241 Physics for Sci & Eng I	4
PHYS242 Physics for Sci & Eng II	4
PHYS271 Phys for Sci & Eng LAB I	1
PHYS272 Phys for Sci & Eng LAB II	1
CPTR125/15 Computer Programming	3

General Education 45

see bulletin year

## BS: Biochemistry

Major: 38 Cognate: 32  
Gen Ed: 48 Elective: 6

Chemistry & Biochemistry Core	34
CHEM131 General Chem I	4
CHEM131 General Chem II	4
CHEM231 Organic Chem I	3
CHEM232 Organic Chem II	3
CHEM241 Organic Chem Lab I	1
CHEM242 Organic Chem Lab II	1
CHEM210 Current Chemistry Topics	0
CHEM200 Quantitative Analysis	4
CHEM431 Physical Chem I	3
CHEM441 Physical Chem Lab I	1
BCHM421 Biochemistry I	4
CHEM400 Chemical Separations	2
CHEM430 Instrumental Analysis	2
CHEM311 Seminar in Chem I	0.5
CHEM312 Seminar in Chem II	0.5
CHEM411 Seminar in Chem III	0.5
CHEM412 Seminar in Chem IV	0.5

Core plus the following	4
BCHM422 Biochemistry II	3
BCHM430 Biochemistry Lab	1

COGNATES	32
MATH191(5) Calculus I	4
MATH192 Calculus II	4
BIOL165 Foundations of Biology	5
BIOL166 Foundations of Biology	5
PHYS141 Gen Phys I (or Phys241/271)	4
PHYS142 Gen Phys II (or Phys241/271)	4
computers through gen ed (3 Credit)	
<u>Two of Advanced Biology</u>	
BIOL371 Gen, Cell & molec bio I (F)	3
BIOL372 Gen, Cell & molec bio II (S)	3
FDNT485 Nutrition & Metabol (S)	3
ZOOL464 Systems Phys (F)	4
ZOOL465 Histology (S)	3
ZOOL315 Animal Development (S)	3

General Education 48

see bulletin year