

BS: Biochemistry, ACS

Major: 45 Cognate: 34
Gen Ed: 45 Elective: 0

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
CHEM200	Quantitative Analysis	4
CHEM210	Current Chemical Topics	0
CHEM400	Chemical Separations	2
CHEM430	Instrumental Analysis	2
CHEM431	Physical Chem I	3
CHEM441	Physical Chem Lab I	1
BCHM421	Biochemistry I	4
CHEM418	Seminar in Chem & Biochem	2

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

COGNATES		34
MATH191(5)	Calculus I	4
MATH192	Calculus II	4
MATH240/286	Calculus III OR Diff Eq	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
<u>One Advanced Biology / Nutrition Course</u>		
BIOL371	Genetics (F)	3
BIOL372	Cell & Molec Biology (S)	3
BIOL415	Genomics & Proteomics (even S)	3
BIOL420	Immunology (even F)	3
BIOL464	Systems Physiology (F)	4
BIOL447	Cell & Tissue Culture (odd S)	3
BIOL485	Developmental Biology (S)	3
BIOL465	Histology (S)	3
FDNT485	Nutrition & Metabolism (S)	3

Andrews Core (Gen Ed, beyond Major+cognate) 45
see ACE req'ts for bulletin year

BS: Chemistry, ACS

Major: 44 Cognate: 21
Gen Ed: 45 Elective: 14

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
CHEM200	Quantitative Analysis	4
CHEM210	Current Chemical Topics	0
CHEM400	Chemical Separations	2
CHEM430	Instrumental Analysis	2
CHEM431	Physical Chem I	3
CHEM441	Physical Chem Lab I	1
BCHM421	Biochemistry I	4
CHEM418	Seminar in Chem & Biochem	2

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		21
MATH191(5)	Calculus I	4
MATH192	Calculus II	4
MATH240/286	Calculus III OR Diff Eq	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

Andrews Core (Gen Ed, beyond Major+cognate) 45
see ACE req'ts for bulletin year

BS: Chemistry

Major: 38 Cognate: 18
Gen Ed: 45 Elective: 23

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
CHEM200	Quantitative Analysis	4
CHEM210	Current Chemical Topics	0
CHEM400	Chemical Separations	2
CHEM430	Instrumental Analysis	2
CHEM431	Physical Chem I	3
CHEM441	Physical Chem Lab I	1
BCHM421	Biochemistry I	4
CHEM418	Seminar in Chem & Biochem	2

Core plus the following		4
CHEM415	Adv Inorganic Chem	4

COGNATES		18
MATH191(5)	Calculus I	4
MATH192	Calculus II	4
PHYS241	Physics for Sci & Eng I	4
PHYS242	Physics for Sci & Eng II	4
PHYS241	Phys for Sci & Eng LAB I	1
PHYS242	Phys for Sci & Eng LAB II	1

Andrews Core (Gen Ed, beyond Major+cognate) 45
see ACE req'ts for bulletin year

BS: Biochemistry

Major: 36 Cognate: 32
Gen Ed: 45 Elective: 11

Chemistry & Biochemistry Core		30
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
CHEM200	Quantitative Analysis	4
CHEM210	Current Chemical Topics	0
CHEM431	Physical Chem I	3
CHEM441	Physical Chem Lab I	1
BCHM421	Biochemistry I	4
CHEM418	Seminar in Chem & Biochem	2

Core plus the following		6
BCHM422	Biochemistry II	3
BCHM430	Biochemistry Lab	1
One of these upper division analytical courses		
CHEM400	Chemical Separations	2
CHEM430	Instrumental Analysis	2

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
<i>Phys for Sci & Eng seq is allowed</i>		
<u>Two Advanced Biology/Nutrition Courses</u>		
BIOL371	Genetics (F)	3
BIOL372	Cell & Molec Biology (S)	3
BIOL415	Genomics & Proteomics (even S)	3
BIOL420	Immunology (even F)	3
BIOL464	Systems Physiology (F)	4
BIOL447	Cell & Tissue Culture (odd S)	3
BIOL485	Developmental Biology (S)	3
BIOL465	Histology (S)	3
FDNT485	Nutrition & Metabolism (S)	3

Andrews Core (Gen Ed, beyond Major+cognate) 45
see ACE req'ts for bulletin year