

BS CHEMISTRY: PROFESSIONAL TRACK, 2013-2014 CATALOG

Area A Essential Skills	Semester	Grade	Area F Courses Related to Major	Semester	Grade	Area H Program Electives Hours: 20	Required	Semester	Grade
ENGL 1101 (with a grade of "C" or better)			CHEM 2115 Quantitative Analysis			Select 20 semester hours from the following:			
ENGL 1102 (with a grade of "C" or better)			CHEM 2315 Quantitative Analysis Lab			CHEM 3142 Biochemistry II			
MATH 1113			MATH 1132 Calculus with Analytical Geometry 2 (1 hour from Area H)			CHEM 3346 Biochemistry 2 Lab			
			PHYS 2211 Principles of Physics 1			CHEM 3555 Selected Topics in Chemistry			
Area B Institutional Options			PHYS 2212 Principals of Physics 2			CHEM 4899 Independent Study (may be repeated for credit, chair approval required)			
COMM 1110			PHYS 2311 Principles of Physics 1 Lab			CHEM 5105 Polymer Chemistry			
ITDS Seminar or Other			PHYS 2313 Principals of Physics 2 Lab			CHEM 5110 Advanced Organic Chemistry			
			STAT 1127 Introductory Statistics			CHEM 5116 Catalysis			
Area C Humanities/Fine Arts/Ethics						CHEM 5555 Selected Topics in Chemistry (may be repeated for credit with different course topic)			
Humanities			Area G Program Requirements			CHEM 5565 Advance Topics in Chemistry (may be repeated for credit with different course topic)			
Fine Arts Appreciation			CHEM 3111 Organic Chemistry I			CPSC 1301 Computer Science 1			
			CHEM 3112 Organic Chemistry II			CPSC 1301L Computer Science 1 Lab			
Area D Science/Math/Technology			CHEM 3135 Inorganic Chemistry			MATH 3107 Differential Equations			
CHEM 1211 Principles of Chemistry 1			CHEM 3141 Biochemistry I			MATH 1131 (one hour from Area D)			
CHEM 1211L Principles of Chemistry 1 Lab			CHEM 3311 Organic Chemistry I Lab						
CHEM 1212 Principles of Chemistry 2			CHEM 3312 Organic Chemistry II Lab			Minimum hours required for degree: 123			
CHEM 1212L Principles of Chemistry 2 Lab			CHEM 3335 Inorganic Chemistry Lab						
MATH 1131			CHEM 3345 Biochemistry I Lab						
			CHEM 4111 Physical Chemistry I						
Area E Social Sciences			CHEM 4112 Physical Chemistry II						
HIST 2111 or HIST 2112			CHEM 4175 Instrumental Analysis						
POLS 1101			CHEM 4311 Physical Chemistry I Lab						
Behavioral Science			CHEM 4312 Physical Chemistry II Lab						
World Cultures			CHEM 4375 Instrumental Analysis Lab						
			CHEM 4795 Senior Seminar I						
Wellness Requirement			CHEM 4796 Senior Seminar II						
PHED 1205			CHEM 5115 Spectroscopic Ident of Org Comp						
Select any one PEDS course.			MATH 2135 Calculus w/ Analytical Geom 3						

BS CHEMISTRY: PROFESSIONAL TRACK, 2013-2014 CATALOG

AREA: B INSTITUTIONAL OPTIONS

Seminars

ITDS 1125
ITDS 1779
ITDS 2726
ITDS 2727
ITDS 2735
ITDS 2746
ITDS 2748
ITDS 2749
ITDS 2755

OR one of the following:

HIST 1111
HIST 1112
LIBR 1105
EURO 2105
LEAD 1705
POLS 2401
FOREIGN LANGUAGE 1001
FOREIGN LANGUAGE 1002
FOREIGN LANGUAGE 2001
FOREIGN LANGUAGE 2002
ANY AREA C-E COURSE *with*
a study abroad component.

*Note: the extra hour may be
used as an elective.*

AREA: C HUMANITIES/FINE ARTS

NOTE:

**ITDS 1145 may be taken only once*

Humanities Courses

ENGL 2111
ENGL 2112
ITDS 1145*
ITDS 2125
ITDS 1155
PHIL 2010

Fine Arts Courses

ARTH 1100
ITDS 1145*
MUSC 1100
THEA 1100
HIST 1112
ITDS 1146
ITDS 1156

AREA: E SOCIAL SCIENCES

Behavioral Science Courses

ECON 2105
ECON 2106
PHIL 2030
SOCI 1101

World Cultures Courses

ANTH 1105
ANTH 1107
ANTH 2105
ANTH 2136
ENGL 2136
GEOG 1101
HIST 1111
HIST 1112
ITDS 1146
ITDS 1156