

BS in Chemistry with DragonsTeach Concentration

* Dragons Teach Courses in Blue

General Education

COM 230	Techniques of Speaking	3
ENGL 101	Composition and Rhetoric I: Inquiry and Exploratory	3
ENGL 102	Composition and Rhetoric II: The Craft of Persuasion	3
ENGL 103	Composition and Rhetoric III: Thematic Analysis Across	3
UNIV 101	The Drexel Experience	2
UNIV S201	Looking Forward: Academics and Careers	1

Chemistry Requirements

CHEM 121	Majors Chemistry I	5
CHEM 122	Majors Chemistry II	5
CHEM 123	Majors Chemistry III	5.5
CHEM 230	Quantitative Analysis	4
CHEM 231 [WI]	Quantitative Analysis Laboratory	2
CHEM 246	Organic Chemistry for Majors I	6.5
CHEM 248	Organic Chemistry for Majors II	6.5
CHEM 249	Organic Chemistry for Majors III	7
CHEM 253	Thermodynamics and Kinetics	4
CHEM 270	Software Skills for Chemists	3
CHEM 346	Qualitative Organic Chemistry	5.5
CHEM 355	Physical Chemistry IV	3
CHEM 357 [WI]	Physical Chemistry Laboratory I	2.5
CHEM 358	Physical Chemistry Laboratory II	2.5
CHEM 359	Atomic and Molecular Spectroscopy	3
CHEM 367	Chemical Information Retrieval	3
CHEM 420	Molecular Symmetry and Group Theory Applied Chemistry	3
CHEM 421	Inorganic Chemistry I	3
CHEM 422	Inorganic Chemistry II	3
CHEM 425	Inorganic Chemistry Laboratory	4
CHEM 430	Analytical Chemistry I	3
CHEM 431 [WI]	Analytical Chemistry II	4
CHEM 493	Senior Research Project	9

Biology Requirements

BIO 122	Cells and Genetics	4.5
BIO 214	Principles of Cell Biology	3

Biochemistry Requirements

BIO 311	Biochemistry	4
or BIO 404	Structure and Function of Biomolecules	
BIO 306	Biochemistry Laboratory	2

Computer/Mathematics Requirements

MATH 205	Survey of Geometry	3
MATH 311	Probability and Statistics I	4
MATH 312	Probability and Statistics II	4

Additional Math		
MATH 121	Calculus I	4
MATH 122	Calculus II	4
MATH 123	Calculus III	4
MATH 200	Multivariate Calculus	4
MATH 201 or MATH 210	Linear Algebra Differential Equations	4
Physics Requirements		
ESTM 360	Perspective on Science and Math	3
ESTM 370	Functions & Modeling	4
DragonsTeach Requirements		
ESTM 201	STEM Teacher Education Prep (STEP 1)	1.5
ESTM 210	STEM Teacher Education Prep (STEP 2)	1.5
ESTM 301	Knowing, Learning, and Classroom Interactions I	3
ESTM 302	Knowing, Learning, and Classroom Interactions II	3
ESTM 303	Knowing, Learning, and Classroom Interactions III	3
ESTM 351 (PBI Lab)	Project Based Instruction Lab	1.5
ESTM 350 (PBI)	Project Based Instruction	3
ESTM 371 (Research Methods)	Research Methods	4
EDEX 142	Spec Ed Foundations: Referral & Assessment	3
EDEX 244	Inclus Practice for Exceptional Students	3
EDEX 265	Instructing Eng Lang Learners	3
ESTM 360	Perspectives on Science and Math	3
ESTM 401	Apprentice Teaching & Seminar	6
Total Credits		202

