

**EDUCATION – SECONDARY MATH/SCIENCE OPTION CURRICULUM
CHEMISTRY EDUCATION
TRANSFER AGREEMENT GUIDELINE**

	SCHOOL: Drexel University MAJOR: Secondary Education – Chemistry Education
Community College Curriculum: Education – Secondary Math/Science Option Coordinator: Marcia Epstein Phone: 215-751-8568 E-mail: mepstein@ccp.edu Office: W3-8	Drexel Contact Person: Peter Baratta Phone: 215-895-6732 Email: peter@drexel.edu Web Address: www.drexel.edu

General Information: General Information: The following is an outline of an agreement between Community College of Philadelphia and Drexel University for students interested in Secondary Education specializing in Chemistry Education. Students who complete these requirements earn an Associate in Arts in Secondary Education Math/Science Option and are eligible to enroll in third year courses in Drexel University’s teacher preparation program. It may be necessary for students to enroll in courses during the summer terms while at Drexel University in order to complete requirements for the Bachelor’s Degree within a two year period. Deadlines for application and payment of fees to Drexel must be met as with any student who applies to the university. For this agreement to take effect, students must enroll at Drexel within two years after CCP graduation. In accordance with the PA Dept. of Ed. Chapter 354, for admission to the Education Department and teacher certification courses a GPA of 3.0 is required. Students must also pass the Praxis I. Credit will not be given at Drexel for any grade less than “C” in any coursework. If a grade less than “C” is earned at CCP in a required course at Drexel, then the course must be repeated at Drexel. CCP education advisors should be consulted about GPA requirements and the Praxis test.

COMMUNITY COLLEGE OF PHILADELPHIA - Education – Secondary Math/Science Curriculum		DREXEL REQUIREMENTS	
Course	Credits	Course	Credits
ENGL 101 English Composition I	3	ENGL 101 Expository Writing & Reading	3
ENGL 102 English Composition II	3	ENGL 102 Persuasive Writing & Reading	3
		ENGL 103 Analytical Reading & Writing	3
MATH 171 Calculus I	4	MATH 121 Calculus I	4
MATH 172 Calculus II	4	MATH 122 Calculus II	4
MATH 271 Calculus III*	4	MATH 123 Calculus III	4
PSYC 101 Intro to Psychology	3	PSY 101 General Psychology	3
PHIL 211 Ethical Problems	3	PHIL 251 Ethics	3
BIO 123 Cellular & Molecular Biology	4	BIO 102 Biology I: Cells & Tissues	4
BIO 124 Organismal Biology	4	BIO 104 Biology II: Growth & Heredity	4

PHYS 140 Mechanic, Heat, Sound*	5	PHYS 111 Physics I	4.5
PHYS 241 Electricity, Magnet, Light*	5	PHYS 112 Physics I	4.5
PHYS 108 Descriptive Astronomy*	3	PHYS 131 Survey of the Universe or PHEV 141 Atmospheric Science I	3
CHEM 121 College Chemistry I	4	CHEM 101 General Chemistry I	4
CHEM 122 College Chemistry II	4	CHEM 102 General Chemistry II	4
CHEM 207 Environmental Chemistry*	4	ENVR 401 Chemistry of the Environment	3
CHEM 213 Analytical Chemistry*	4	CHEM 230 Quantitative Analysis	3
		CHEM 231 Quantitative Analysis Laboratory	2
EDUC 201 Intro to Education	3	EDUC 301 Personalized System of Instruction	3
EDUC 202 Introduction to Education: Field Experience	3	EDUC 205 Sophomore Seminar	3
EDUC 225 Educational Psychology	3	PSY 320 Educational Psychology	3
ENGL 208, 209, 211, 212, 221, 222, 230, 232, 241, 245, 246, 250, 251, 256, or 260 Literature Elective	3	ENGL 200-395 Literature Elective	3
EDUC 226 Teaching with Technology	3	EDUC 310 Computer Applications in Teaching	3
GEOG 101, 103, or 222 Geography	3	EDUC 112 Integrative Instruction	3
EASC 111 Environmental Conservation*	3	ENVR 260 Environmental Science & Society	3
STS 101 Intro to Science, Technology & Society*	4	HIST 280 History of Science I	3
CHEM 221 Organic Chemistry I*	5	CHEM 241 Organic Chemistry I	4
CHEM 222 Organic Chemistry II*	5	CHEM 242 Organic Chemistry II	4
		CHEM 244 Organic Chemistry Lab I	3
		CHEM 245 Organic Chemistry Lab II	3
Total Credits: 96		Total Credits: 101	

<p>In addition, in order to earn the Associate Degree, students are required to complete the following 9 credits: HIST 101, 102, 103 or ECON 181 or 182 and PSYC 215 and ENGL 115.</p>	
<p>* These courses are not necessary for the Associate Degree. However, it is recommended that students take these courses prior to transfer to Drexel. They are required for Drexel's Bachelor of Science program.</p>	
<p>Developed on: 1/06</p>	<p>Revised On:</p>

Prepared by Jon Brown
Assistant Professor; Counselor