

Articulation Agreement and Transfer Guide

Community College of Philadelphia and Drexel University

Engineering

4/18/08

<u>Community College of Philadelphia Program:</u> Engineering Science (A.S.)	<u>Drexel University Engineering Programs:</u> Architectural Engineering, Chemical Engineering, Civil Engineering, Computer Engineering, Electrical Engineering, Environmental Engineering, Materials Engineering, Mechanical Engineering
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Community College Course	Sem Cr	Drexel University Equivalent Course	Qtr Cr
Program Core Courses			
¹ ENGR 102 Engineering Design and Lab I	4	ENGR 101 Engineering Design Lab I	2
MATH 171 Calculus	4	MATH 121 Calculus I	4
CHEM 121 College Chemistry I	4	CHEM 101 General Chemistry I	3.5
¹ ENGR 202 Engineering Design and Lab II	4	ENGR 102 & 103 Eng. Design Lab II & III	4
PHYS 140 Mechanics, Heat, and Sound	5	PHYS 101 Fundamentals of Physics	4
MATH 172 Calculus II	4	MATH 122 and 123 Calculus II and III	8
MATH 270 Linear Algebra	4	ENGR 231 Linear Engineering Systems	3
MATH 271 Calculus III	4	MATH 200 Calculus IV	4
CHEM 122 College Chemistry II	4	CHEM 102 General Chemistry II	4.5
² ENGR 221 Statics	3	MEM 202 Engineering Mechanic: Statics	3
PHYS 241 Electricity, Magnetism, & Light	5	PHYS 102 & 201 Fund. of Physics II & III	8
MATH 272 Differential Equations	4	ENGR 232 Dynamic Engineering Systems	3
³ ENGR 222 Dynamics	3	MEM 238 Dynamics	4
⁴ BIOL 106 General Biology I	4	BIO 141 Essential Biology	4.5
General Education Courses			
ENGL 101 English Composition I	3	ENGL 101 Expository Writing and Reading	3
ENGL 102 English Composition II	3	ENGL 102 Persuasive Writing and Reading ENGL 103 Analytical Writing and Reading	3 3
Directed Electives			
SOC 101 Introduction to Sociology	3	SOC 101 Introduction to Sociology	3
Social Science Elective (<i>ECON 181 strongly recommended for Civil Engineering students</i>)	3	Liberal Studies Elective	3
⁵ CSCI 111 Program Algorithm Develop. I or ENGR 205 Materials Engineering	4 4	ECE 203 Programming for Engineers or ENGR 220 Fundamentals of Materials	3 4

¹ Entire sequence must be completed to receive credit for Drexel courses.

² Required only for Mechanical, Civil, and Architectural Engineering majors. Chemical Engineering majors should substitute CHEM 221 and 222 (Organic Chem). Materials Engineering majors should only substitute CHEM 221.

³ Required only by Mechanical Engineering majors.

⁴ Due to a change in the Biomedical Engineering freshman biology course CCP students looking to transfer to Drexel's Biomedical Engineering program should take BIOL 123 (Cellular and Molecular Biology) at CCP not BIOL 106.

⁵ CSCI 111 required of Electrical and Computer Engineering majors only. However, CCP recommends students interested in Drexel take both CSCI 111 and ENGR 205.

Agreement Established: 2001
Agreement Revised: 2006, 2007, 2008

Important Points to Remember

The information in this transfer guide is subject to change. Following this guide guarantees transfer of credit, assuming student completes the course with a C grade or higher. Following this guide does not guarantee admission to Drexel University. Students are strongly recommended to consult with an academic advisor or counselor when using this guide.

Contact Information

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