

DREXEL UNIVERSITY

Program-to-Program Transfer Guide

Associate in Science in Engineering
To
Bachelor of Science in Engineering
(Architectural, Chemical, Civil, Computer, Electrical,
Environmental, Materials, Mechanical)



**The information in this booklet is
meant to be used as a guide.**
**The transfer Institution reserves
the right to make changes at any time.**

Delaware County Community College
Transfer Office
2018

For students who entered the major Fall 2016 and after

Engineering

Associate in Science in Engineering
to

Bachelor of Science in Engineering

(Architectural, Chemical, Civil, Computer, Electrical, Environmental, Materials, Mechanical)

Delaware County Community College				Drexel University			
First Semester				First Semester			
CHE 110	General Chemistry I	4		CHEM 101	General Chemistry I	3.5	
EGR 150	Engineering Topics	1		TGFE 099	Free Elective	1.5	
ENG 100	English Composition I	3		ENGL 101	Freshman English I	3	
DPR 101	Introduction to Computer Science	3		ENGR 101	Engineering Design I	2	
MAT 160	Calculus I	4		MATH 121	Calculus I ²	4	
		<u>15</u>				<u>14</u>	
Second Semester				Second Semester			
CHE 111	General Chemistry II	4		CHEM 102	General Chemistry II	4.5	
ENG 112	English Composition II	3		ENGL 102 & 103	Freshman English II & III	6	
MAT 161	Calculus II	4		MATH 122	Calculus II ²	4	
PHY 131	University Physics I	4		PHYS 101	Fund. of Physics I	4	
		<u>15</u>				<u>18.5</u>	
Third Semester				Third Semester			
	Engineering Curriculum Option	3-5			Dependent on course selection ³	2-7	
MAT 260	Calculus III	4		MATH 200	Multivariate Calculus	4	
PHY 132	University Physics II	4		PHYS 102 & 201	Fund. Of Physics II & III	8	
	Diversity and Social Justice - Social Science Elective	3			General Education Elective ¹	4.5	
	Global Understanding - Social Science Elective	3			General Education Elective ¹	4.5	
		<u>17-19</u>				<u>21</u>	
Fourth Semester				Fourth Semester			
	Engineering Curriculum Option	6-9			Dependent on course selection ³	2-7	
MAT 261	Differential Equations	3		ENGR 232	Dynamic Engineering Systems	3	
COMM 100	Communication						
or	or						
COMM 111	Public Speaking	3			General Education Elective ¹	4.5	
	Humanities Electives	3			General Education Elective ¹	4.5	
		<u>15-17</u>				<u>14-19</u>	
Total Credits:		62-67		Total Credits:		67.5-72.5	

1. The total number of General Education credits transferred will depend on what is needed for the chosen Drexel Engineering major. Please see a transfer advisor to discuss the General Education requirements for the desired Drexel Engineering concentration.
2. Beginning Fall 2015, DCCC's 4-credit calculus courses will transfer to Drexel's Engineering majors as 4 credits.
3. The number of credits transferred will depend on the Engineering Curriculum Option(s) selected.

Engineering Curriculum Options

DCCC		Civil	Electrical	Mechanical	Chemical	Computer	Architectural	Environment	Materials
CHE 200	Organic Chem I				x			x	x
CHE 201	Organic Chem II				x			x	x
DPR 101 or DPR 110	Introd. to Computer Science or Introduction to C++	x	x	x	x	x	x	x	x
EGR 100	Engineering Graphics	x	x	x	x	x	x	x	x
EGR 200	Engineering Mechanics I	x		x			x		
EGR 201	Engineering Mechanics II			x					
EGR 210	Engineering Circuits		x			x			
EGR 220	Engineering Thermodynamics	x		x			x	x	x
MAT 200	Linear Algebra	x	x	x	x	x	x	x	x

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Delaware County Community College

Drexel University

First Semester

CHE 110	General Chemistry I	4
	Social Science Elective	3
ENG 100	English Composition I	3
MAT 160	Calculus I	4-5
		14-15

Second Semester

CHE 111	General Chemistry II	4
EGR 150	Engineering Topics	1
ENG 112	English Composition II	3
MAT 161	Calculus II	4-5
PHY 131	University Physics I	4
		16-17

Third Semester

	Engineering Curriculum Option	6-8
MAT 260	Calculus III	3
PHY 132	University Physics II	4
	Social Science Elective	3
		16-18

Fourth Semester

	Engineering Curriculum Option	3-5
MAT 261	Differential Equations	3
	Social Science Elective	3
	Humanities Electives	6
		15-17

Total Credits:

61-67

First Semester

CHEM 101	General Chemistry I	3.5
	General Education Elective ¹	4.5
ENGL 101	Freshman English I	3
MATH 121	Calculus I ²	4
		15

Second Semester

CHEM 102	General Chemistry II	4.5
TGFE 099	Free Elective	1.5
ENGL 102 & 103	Freshman English II & III	6
MATH 122	Calculus II ²	4
PHYS 101	Fund. of Physics I	4
		20

Third Semester

	Dependent on course selection ³	2-7
MATH 200	Multivariate Calculus	4
PHYS 102 & 201	Fund. Of Physics II & III	8
	General Education Elective ¹	4.5
		18.5 - 23.5

Fourth Semester

	Dependent on course selection ³	2-7
ENGR 232	Dynamic Engineering Systems	3
	General Education Elective ¹	4.5
	General Education Elective ¹	9
		18.5 - 23.5

Total Credits:

72 - 82

1. The total number of General Education credits transferred will depend on what is needed for the chosen Drexel Engineering major. Please see a transfer advisor to discuss the General Education requirements for the desired Drexel Engineering concentration.

2. Beginning Fall 2015, DCCC's 4-credit calculus courses will transfer to Drexel's Engineering majors as 4 credits.

3. The number of credits transferred will depend on the Engineering Curriculum Option(s) selected.

Engineering Curriculum Options

DCCC		Civil	Electrical	Mechanical	Chemical	Computer	Architectural	Environmental	Materials
CHE 200	Organic Chem I				x			x	x
CHE 201	Organic Chem II				x			x	x
DPR 108 or DPR 110	Introd. to Computer Science or Introduction to C++	x	x	x	x	x	x	x	x
DPR 212	Data Structures					x			
DPR 226 or DPR 210	Object Oriented C++		x			x			
EGR 100	Engineering Graphics	x	x	x	x	x	x	x	x
EGR 200	Engineering Mechanics I	x		x			x		
EGR 201	Engineering Mechanics II			x					
EGR 210	Engineering Circuits		x			x			
EGR 220	Engineering Thermodynamics	x		x			x	x	x
MAT 200	Linear Algebra	x	x	x	x	x	x	x	x