



## Transfer Program-to-Program Articulation



*Harrisburg Area Community  
Engineering (#4120)*

*Drexel University  
Electrical Engineering*

REQUIREMENT	COURSE	CRS
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**Year 1 Fall**

Computer-Aided Drafting

And Design	CAD 154	3
General Inorganic Chemistry	CHEM 101	4
English Composition I	ENGL 101	3
Engineering & Engineering Technology Orientation	ENGR 102	2
Calculus I	MATH 121	4
		Credits 16

**Year 1 Spring**

Effective Speaking	COMM 101	3
Technical Writing	ENGL 104	3
Calculus II	MATH 122	4
General Inorganic/Qualitative Analysis OR General Biology	CHEM 102 OR BIO 101	4
Social Science Elective	ELECTIVE	3
		Credits 17

**Year 2 Fall**

Statics	ENGR 213	3
Calculus III	MATH 221	4
Physics for Engineers and Scientists I	PHYS 211	4
Differential Equations	MATH 222	4
Wellness	WELLNESS	1
		Credits 16

**Year 2 Spring**

Dynamics	ENGR 214	3
Humanities/Arts Elective	ELECTIVE	3
Physics for Engineers & Scientists II	PHYS 212	4
Linear Algebra	MATH 220	4
		Credits 14

**Total Credits 63**

REQUIREMENT	COURSE	CRS
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**Year 1 Fall**

Transfer General

Free Elective	TGFE 099	3
General Chemistry I	CHEM 101	3.5
Composition and Rhetoric I	ENGL 101	3
Introduction to Engineering Design & Data Analysis	ENGR 111	3
Calculus I	MATH 121	4
		Credits 16.5

**Year 1 Spring**

Techniques of Speaking	COM 230	3
Technical Communication	COM 310	3
Calculus II & III	MATH 122&123	8
General Chemistry II or Essential Biology	CHEM 102 or BIO 141	4.5
General Ed Elective	ELECTIVE	4.5
		Credits 23

**Year 2 Fall**

Statics	MEM 202	3
Multivariate Calculus	MATH 200	4
Fundamentals of Physics I	PHYS 101	4
Differential Equations	MATH 210	4
Transfer General		
Free Elective	TGFE 099	1
		Credits 16

**Year 2 Spring**

Dynamics	MEM 238	4
General Ed Elective	ELECTIVE	4.5
Fundamentals of Physics II and III	PHYS 102 & 201	8
Linear Algebra	MATH 201	4
		Credits 20.5

**Total Credits 76**

To receive transfer credit, the courses must be substantially equivalent to courses offered in the desired curriculum at Drexel and you must have completed the courses with a grade of C (C=2.0) or better. The transfer courses listed should be used as a general guide and might not be acceptable for every major at the University. We make every effort to keep this guide current but cannot guarantee that every course will be acceptable for transfer. The number of credits you can transfer will be determined by the academic department once you've been accepted

**Transfer Electives:**

HACC Chem 102	4 Cr	Chem 102	4.5 Cr
HACC Bio 101	4 Cr	Bio 141	4.5 Cr
HACC Bio 206	4 Cr	ENVS 230	3 Cr
HACC Chem 204	4 Cr	Chem 242	4 Cr

HACC Math 220	4 Cr	Math 201	4 Cr
HACC Bio 221	4 Cr	Bio 220	3 Cr
HACC Chem 203	4 Cr	Chem 241	4 Cr
HACC Math 222	4 Cr	Math 210	4 Cr



## Harrisburg Area Comm. College Program Study: Engineering (#4120)

### Drexel University Program Study: Electrical Engineering



REQUIREMENT	COURSE	CRS
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#### Year 3 Fall

Computer Programming I	CS 171	3
Digital Logic Design	ECE 200	4
First-Year Engineering Design	ENGR 113	3
Electrical and Computer Engineering in the Real World	ECE 101	1
The Drexel Experience	UNIV E101	1
Career Management and Professional Development	COOP 101	3
	Credits	15

#### Year 3 Winter

Computer Programming II	CS 172	3
Foundation of Electric Circuits I	ECE 201	4
Discrete Mathematics	MATH 221	3
Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	ENGL 102	3
Free Elective	ELECTIVE	3
	Credits	16

#### Year 3 Spring/Summer

COOP Experience

#### Year 4 Fall

Advanced Programming for Engineers	ECEC 201	3
Foundations of Electric Circuits II	ECE 301	4
Electronic Devices	ECE 370	3
Signals and Systems I	ECES 301	4
Complex and Vector Analysis For Engineers	MATH 291	4
	Credits	18

REQUIREMENT	COURSE	CRS
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#### Year 4 Winter

Design with Microcontrollers	ECEC 204	3
EE Core Elective	ELECTIVE	3
Probability and Data Analytics For Engineers	ECE 361	3
Composition and Rhetoric III: Themes and Genres	ENGL 103	3
Foundations of Electromagnetics For Computing & Wireless Systems	ECE 371	3
Fundamentals of Power And Energy	ECE 380	3
	Credits	18

#### Year 4 Spring/Summer

COOP Experience

#### Year 5 Fall

Senior Design Project I	ECE 491	3
ECE 300-400 Level Elective	ELECTIVE	3
ECE Laboratory	ECE 303	3
ECE 300-400 Level Elective	ELECTIVE	3
ECE 400+ Level Elective	ELECTIVE	3
	Credits	15

#### Year 5 Winter

Senior Design Project II	ECE 492	3
Engineering Ethics	PHIL 315	3
Free Elective	ELECTIVE	3
Free Elective	ELECTIVE	3
ECE 400+ Elective	ELECTIVE	3
	Credits	15

#### Year 5 Spring

Senior Design Project III	ECE 493	3
Free Elective	ELECTIVE	3
General Education Elective	ELECTIVE	3
ECE 400+ Elective	ELECTIVE	3
	Credits	12

Total HACC credits Transfer	76
Drexel Credits Completed	109

Total All Credits	185
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