



Transfer Program-to-Program Articulation



*Harrisburg Area Community
Engineering (#4120)*

*Drexel University
Architectural Engineering - Digital*

REQUIREMENT	COURSE	CRS
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	CHEM 102	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
General Biology	BIO 101	4
	Credits	14

Total Credits 63

REQUIREMENT	COURSE	CRS
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	MATH 122	4
General Chemistry II	CHEM 102	4.5
General Ed Elective	ELECTIVE	3
	Credits	17.5
Year 2 Fall		
Statics	MEM 202	3
Multivariate Calculus	MATH 200	4
Fundamentals of Physics I	PHYS 101	4
Differential Equations	MATH 210	4
No Credit for Wellness		0
	Credits	15
Year 2 Spring		
Dynamics	MEM 238	4
General Ed Elective	ELECTIVE	3
Fundamentals of Physics II and III	PHYS 102 & 201	8
Essential Biology	BIO 141	4.5
	Credits	19.5

Total Credits 68.5

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: Architectural Engineering with Digital Building Concentration



REQUIREMENT COURSE CRS

Year 3 Fall

Introduction to Civil, Architectural And Environmental Engineering	CAEE 202	3
Linear Engineering Systems	ENGR 231	3
Fundamentals of Materials	ENGR 220	4
The Drexel Experience	UNIV E101	1
Career Management and Professional Development	COOP 101	1
First-Year Engineering Design	ENGR 113	3
	Credits	15

Year 3 Winter

System Balances and Design In CAEE	CAEE 203	3
Introduction to Thermodynamics	ENGR 210	3
Studio 1- AE	ARCH 191	3
Introduction to Civic Engagement	CIVC 101	1
Introductory Programming For Engineers	ENGR 131	3
Composition and Rhetoric II: Advanced Research and Evidence Based Writing	ENGL 102	3
	Credits	16

Year 3 Spring/Summer

COOP Experience

Year 4 Fall

Studio 2 – AE	ARCH 192	3
Mechanics of Materials I	MEM 230	4
Introduction to Fluid Flow	CIVE 320	4
Geologic Principles for Infrastructure and Environmental Engineering	CAEE 212	4
Architectural Illumination And Electrical Systems	AE 340	3
	Credits	18

Year 4 Winter

Construction Materials	CIVE 250	4
Hydraulics	CIVE 330	3
Introduction to HVAC	AE 220	3.5
Engineering Economic Analysis	CIVE 240	3
Composition and Rhetoric III: Themes and Genres	ENGL 103	3
	Credits	16.5

REQUIREMENT COURSE CRS

Year 4 Spring/Summer

COOP Experience

Year 5 Fall

Architectural Engineering Design I	AE 390	4
Structural Analysis I	CIVE 302	3
Contracts and Specifications I	CMGT 361	3
Architecture and Society I	ARCH 141	3
	Credits	13

Year 5 Winter

Architectural Engineering Design II	AE 391	4
Structural Design I	CIVE 303	4
Intelligent Buildings	AE 410	3
Architecture and Society II	ARCH 142	3
	Credits	14

Year 5 Spring/Summer

COOP Experience

Year 6 Fall

Senior Design Project I	CAE 491	3
Estimating I	CMGT 363	3
Building Envelope Systems	AE 444	3
Structural Analysis of Engineering Systems	CAEE 361	3
Introduction to Data Science OR Information Technologies In Construction	INFO 103 or CMGT 265	3
	Credits	15

Year 6 Winter

Senior Design Project II	CAE 492	3
Techniques of Project Control	CMGT 467	4
Professional Elective	ELECTIVE	3
Professional Elective	ELECTIVE	3
	Credits	13

Year 6 Spring

Senior Design Project III	CAE 493	3
Structural Design III	CIVE 402	3
Architecture and Society III	ARCH 143	3
Database Management Systems	INFO 210	3
	Credits	12

Total HACC credits Transfer 68.5
Drexel Credits Completed 132.5

Total All Credits 201.0