Transfer Program-to-Program Articulation

Harrisburg Area Community Engineering (#4120)

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
Linear Algebra	MATH 220	4
	Credits	14
	Total Credits	**63**

Drexel University Civil Engineering

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+1.5
Technical Communication	COM 310	3+1.5
Calculus II & III	MATH 122&123	8
General Chemistry II	CHEM 102	4.5
General Ed Elective	ELECTIVE	4.5
	Credits	26
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	4.5
Fundamentals of Physics II and III	PHYS 102 & 201	8
Linear Algebra	MATH 201	4
	Credits	20.5
	Total Credits	**78**

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: Civil Engineering

REQUIREMENT	COURSE	CRS
Year 3 Fall		
Introduction to Civil, Architectural And Environmental Engineering	CAEE 202	3
Mechanics of Materials I	MEM 230	4
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	16
Year 3 Winter		
System Balances and Design In CAEE	CAEE 203	3
Introduction to Thermodynamics	ENGR 210	3
Construction Materials	CIVE 250	4
Introduction to Civic Engagement	CIVC 101	1
Introductory Programming For Engineers	ENGR 131	3
Essential Biology	BIOL 141	4.5
	Credits	18.5
Year 3 Spring/Summer		
COOP Experience		
Year 4 Fall		
Geologic Principles for Infrastructure and Environmental Engineering	CAEE 212	4
Structural Analysis I	CIVE 302	3
Introduction to Fluid Flow	CIVE 320	4
Statistical Analysis of Engineering Systems	CAEE 361	3
Composition and Rhetoric II: Advanced Research and Evidence-Based Writing	ENGL 102	3
	Credits	17

REQUIREMENT	COURSE	CRS
Year 4 Winter		
Structural Design I	CIVE 303	4
Hydraulics	CIVE 330	3
Structural Material Behavior	CIVE 375	3
Engineering Economic Analysis	CIVE 240	3
Composition and Rhetoric III: Themes and Genres	ENGL 103	3
	Credits	16
Year 4 Spring/Summer		
COOP Experience		
Year 5 Fall		
Senior Design Project I	CAE 491	3
Introduction To Environmental Engineering	ENVE 300	3
Soil Mechanics I	CIVE 312	4
Seminar	CIVE 477	2
Professional Elective	ELECTIVE	3
Professional Elective	ELECTIVE	3
	Credits	18
Year 5 Winter		
Senior Design Project II	CAE 492	3
Soil Mechanics II	CIVE 315	4
Seminar	CIVE 478	1
Professional Elective	ELECTIVE	3
Professional Elective	ELECTIVE	3
	Credits	14
Year 5 Spring		
Senior Design Project III	CAE 493	3
Professional Elective	ELECTIVE	3
Professional Elective	ELECTIVE	3
Hydrology	CIVE 430	3
General Education Elective	GEN ED ELEC	3
	Credits	15

Total HACC credits Transfer	78.0
Drexel Credits Completed	114.5
Total All Credits	192.5