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
General Biology	BIO 101	4
	Credits	14
	Total Credits	**63**

Drexel University Environmental 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
Technical Communication	COM 310	3
Calculus II	MATH 122	4
General Chemistry II	CHEM 102	4.5
General Ed Elective	ELECTIVE	4.5
	Credits	19
Year 2 Fall		
Statics	MEM 202	3
Multivariate Calculus	MATH 200	4
Fundamentals of Physics I	PHYS 101	4
Differential Equations	MATH 210	4
Wellness No Credit		0
	Credits	15
Year 2 Spring		
Dynamics	MEM 238	4
General Ed Elective	ELECTIVE	4.5
Fundamentals of Physics II and Physics III	PHYS 102 & PHYS 201	8
Essential Biology	BIO 141	4.5
	Credits	21
	Total Credits	**71.5**

To receive transfer credit, the courses must be substantially equivalent to course 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: Environmental Engineering

REQUIREMENT	COURSE	CRS
Year 3 Fall		
Introduction to Civil, Architectural and Environmental Engineering	CAEE 202	3
Fundamentals of Materials	ENGR 220	4
Linear Engineering Systems	ENGR 231	3
First-Year Engineering Design	ENGR 113	3
The Drexel Experience	UNIV E101	1
Career Management and Professional Development	COOP 101	1
	Credits	15
Year 3 Winter		
System Balances and Design in CAEE	CAEE 203	3
Introduction to Thermodynamics	ENGR 210	3
Composition and Rhetoric II: Advanced Research and Evidence Based Writing	ENGL 102	3
Introduction to Civic Engagement	CIVC 101	1
Introductory Programming For Engineers	ENGR 131	3
General Ecology	ENVS 230	3
	Credits	16
Year 3 Spring/Summer		
COOP Experience		
Engineering Ethics	PHIL 315	3
	Credits	3
Year 4 Fall		
Introduction to Environmental Engineering	ENVE 300	3
Geologic Principles for Infrastructure and Environmental Engineering	CAEE 212	4
Material and Energy Balances I	CHE 211	4
Organic Chemistry I	CHEM 241	4
Introduction to Fluid Flow	CIVE 320	3
	Credits	18

REQUIREMENT	COURSE	CRS
Year 4 Winter		
Environmental Transport and Kinetics	ENVE 302	4
Organic Chemistry II	CHEM 242	4
Technical Elective	ELECTIVE	3
Hydraulics	CIVE 330	4
Composition and Rhetoric III: Themes and Genres	ENGL 103	3
	Credits	18
Year 4 Spring/Summer		
COOP Experience		
Year 5 Fall		
Senior Project Design I	ENVE 491	3
Indoor Air Quality	ENVE 465	3
Hydrology	CIVE 430	3
Professional Environmental Engineering Practice	ENVE 485	1
Quantitative Analysis	CHEM 230	4
Chemistry of the Environment	ENVS 401	3
Statistical Analysis of Engineering Systems	CAEE 361	3
	Credits	20
Year 5 Winter		
Senior Design Project II	ENVE 492	3
Solid and Hazardous Waste	ENVE 410	3
Hydrology-Ground Water	CIVE 431	3
Environmental Engineering Processes Laboratory I	ENVE 486	2
Water and Waste Treatment II	ENVE 421	3
Quantitative Analysis Laboratory	CHEM 231	2
Engineering Economic Analysis	CIVE 240	3
	Credits	19
Year 5 Spring		
Senior Design Project III	ENVE493	3
Groundwater Remediation	ENVE 435	3
Water and Waste Treatment Design	ENVE 422	3
Environmental Engineering Processes Laboratory II	ENVE 487	2
Technical Elective	ELECTIVE	3
Technical Elective	ELECTIVE	3
	Credits	17

Total HACC Credits Transfer	71.5
Drexel Credits Completed	126.0
Total All Credits	197.5