

Transfer

Program-to-Program

Articulation

Harrisburg Area Community Engineering (#4120)



CRS

Drexel University Architectural Engineering - Structural

REQUIREMENT	COURSE	CRS	REQUIREMENT	COURSE	CRS
Year 1 Fall			Year 1 Fall		
Computer-Aided Drafting	CAD 154	3	Transfer General		
And Design			Free Elective	TGFE 099	3
General Inorganic Chemistry	CHEM 101	4	General Chemistry I	CHEM 101	3.5
English Composition I	ENGL 101	3	Composition and Rhetoric I	ENGL 101	3
Engineering & Engineering			Introduction to Engineering		
Technology Orientation	ENGR 102	2	Design & Data Analysis	ENGR 111	3
Calculus I	MATH 121	4	Calculus I	MATH 121	4
	Credits	16		Credits	16.5
Year 1 Spring			Year 1 Spring		
Effective Speaking	COMM 101	3	Techniques of Speaking	COM 230	3
Technical Writing	ENGL 104	3	Technical Communication	COM 310	3
Calculus II	MATH 122	4	Calculus II	MATH 122	4
General Inorganic/Qualitative			General Chemistry II	CHEM 102	4.5
Analysis	CHEM 102	4			
Social Science Elective	ELECTIVE	3	General Ed Elective	ELECTIVE	3
	Credits	17		Credits	17.5
Year 2 Fall			Year 2 Fall		
Statics	ENGR 213	3	Statics	MEM 202	3
Calculus III	MATH 221	4	Multivariate Calculus	MATH 200	4
Physics for Engineers and			Fundamentals of Physics I	PHYS 101	4
Scientists I	PHYS 211	4			
Differential Equations	MATH 222	4	Differential Equations	MATH 210	4
Wellness	WELLNESS	1	No Credit for Wellness		0
	Credits	16		Credit	ts 15
Year 2 Spring			Year 2 Spring		
Dynamics	ENGR 214	3	Dynamics	MEM 238	4
Humanities/Arts Elective	ELECTIVE	3	General Ed Elective	ELECTIVE	3
Physics for Engineers &			Fundamentals of Physics		
Scientists II	PHYS 212	4	II and III	PHYS 102 & 2	01 8
General Biology	BIO 101	4	Essential Biology	BIO 141	4.5
	Credits	14		Credits	19.5
	Total Credits	63		Total Credite	s 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 Math 220	4 Cr	Math 201	4 Cr
HACC Bio 101	4 CR	Bio 141	4.5 Cr	HACC Bio 221	4 Cr	Bio 220	3 Cr
HACC Bio 206	4 Cr	ENVS 230	3 Cr	HACC Chem 203	4 Cr	Chem 241	4 Cr
HACC Chem 204	4 Cr	Chem 242	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 Structural Concentration



REQUIREMENT	COURSE	CRS
Year 3 Fall Introduction to Civil, Architectu	ural	
Engineering Linear Engineering Systems Fundamentals of Materials The Drexel Experience Career Management and	CAEE 202 ENGR 231 ENGR 220 UNIV E101	3 3 4 1
Professional Development First-Year Engineering Design	COOP 101 ENGR 113 Credits	1 3 15
Year 3 Winter		
In CAEE	CAEE 203	3
Thermodynamics Studio 1- AE	ENGR 210 ARCH 191	3 3
Engagement	CIVC 101	1
For Engineers Composition and Rhetoric II:	ENGR 131	3
Evidence Based Writing	ENGL 102 Credits	3 16
Year 3 Spring/Summer COOP Experience		
Year 4 Fall Studio 2 – AE Mechanics of Materials I Introduction to Fluid Flow Geologic Principles for	ARCH 192 MEM 230 CIVE 320	3 4 4
Environmental Engineering	CAEE 212	4
And Electrical Systems	AE 340 Credits	3 18
Year 4 Winter Construction Materials Hydraulics Introduction to HVAC	CIVE 250 CIVE 330 AE 220	4 3 3.5
Analysis	CIVE 240	3
Themes and Genres	ENGL 103 Credits	3 16.5

PEOLITREMENT		COURSE	CRS
Year 4 Spring	g/Summer e	COORSE	CRS
Year 5 Fall Architectural Eng Design I Structural Analys Soil Mechanics I Architecture and	gineering sis I I Society I	AE 390 CIVE 302 CIVE 312 ARCH 141 Credits	4 3 4 3 14
Year 5 Winter Architectural Eng Design II Structural Desig Soil Mechanics II Architecture and	gineering n I I I Society II	AE 391 CIVE 303 CIVE 315 ARCH 142 Credits	4 4 3 15
Year 5 Spring/ COOP Experience	Summer e		
Year 6 Fall Senior Design Pr First Principles o Design Building Envelop Structural Analys Engineering St	roject I f Structural ee Systems sis of ystems	CAE 491 CIVE 400 AE 444 CAEE 361 Credits	3 3 3 12
Year 6 Winter Senior Design Pr Structural Desig Professional Elec Professional Elec	roject II n II ctive ctive	CAE 492 CIVE 401 ELECTIVE ELECTIVE	3 3 3 3
Year 6 Spring Senior Design Pr Structural Desig Architecture and	roject III n II I Society III	CAE 493 CIVE 402 ARCH 143 Credits	3 3 3 9
-	Total HACC cre Drexel Credits	edits Transfer Completed	68.5 127.5
-	Total All Credits	5	196.0