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 Mechanical 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 and Calculus III	MATH 122 & MATH 123	8
General Chemistry II	CHEM 102	4.5
General Ed Elective	ELECTIVE	3
	Credits	21.5
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
Linear Algebra	MATH 201	4
	Credits	19
	Total Credits	**72**

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: Mechanical Engineering

REQUIREMENT	COURSE	CRS
Year 3 Fall		
Fundamentals of Materials	ENGR 220	4
First-Year Engineering Design	ENGR 113	3
The Drexel Experience	UNIV E101	1
Career Management and Professional Development	COOP 101	1
Composition and Rhetoric II: Advanced Research and Evidence Based Writing	ENGL 102	3
Engineering Economic Analysis	CIVE 240	3
	Credits	15
Year 3 Winter		
Introduction to Thermodynamics	ENGR 210	3
Foundations of Computer Aided Design	MEM 201	3
Introduction to Controls	MEM 255	4
Mechanical Behavior of Materials	MEM 333	3
Experimental Mechanics I	MEM 331	2
Composition and Rhetoric III: Themes and Genres	ENGL 103	3
	Credits	18
Year 3 Spring/Summer		
COOP Experience		
Year 4 Fall		
Thermodynamic Analysis I	MEM 310	4
Performance Enhancement of Dynamic Systems	MEM 355	4
Introduction to Computer-Aided Design and Manufacturing	MEM 435	4
Heat Transfer	MEM 345	4
Engineering Ethics	PHIL 315	3
	Credits	19
Year 4 Winter		
Fluid Mechanics I	MEM 220	4
Dynamic Systems Laboratory I	MEM 351	2
Engineering Reliability	MEM 361	3
Essential Biology	BIO 141	4.5
MEM Fundamentals Course	ELECTIVE	3
	Credits	16.5

REQUIREMENT	COURSE	CRS
Year 4 Spring/Summer		
COOP Experience		
Year 5 Fall		
Senior Design Project I	MEM 491	3
Thermal Fluid Science Laboratory	MEM 311	2
MEM Fundamentals Course	ELECTIVE	3
MEM Fundamentals Course OR Engineering Elective	ELECTIVE	3
Heat Transfer	MEM 345	4
Introduction to Civic Engagement	CIVC 101	1
	Credits	16
Year 5 Winter		
Senior Design Project II	MEM 492	3
MEM Fundamentals Course	ELECTIVE	3
MEM Fundamentals Course OR Engineering Elective	ELECTIVE	3
MEM Fundamentals Course OR Engineering Elective	ELECTIVE	3
Math/Science Elective	ELECTIVE	3
MEM Fundamentals Course	ELECTIVE	3
	Credits	18
Year 5 Spring		
Senior Design Project III	MEM 493	3
Math/Science Elective	ELECTIVE	3
MEM Fundamentals Course OR Engineering Elective	ELECTIVE	3
MEM Fundamentals Course OR Engineering Elective	ELECTIVE	3
Technology in Historical Perspective	HIST 285	4
	Credits	16

Total HACC Credits Transfer	72.0
Drexel Credits Completed	118.5
Total All Credits	190.5