

Transfer

Program-to-Program

Articulation

Harrisburg Area Community Engineering (#4120)



Drexel University Chemical Engineering

COURSE	CRS	REQUIREMENT	COURSE	CRS
		Year 1 Fall		
CAD 154	3	Transfer General		
		Free Elective	TGFE 099	3
CHEM 101	4	General Chemistry I	CHEM 101	3.5
ENGL 101	3	Composition and Rhetoric I	ENGL 101	3
		Introduction to Engineering		
ENGR 102	2	Design & Data Analysis	ENGR 111	3
MATH 121	4	Calculus I	MATH 121	4
Credits	16		Credits	16.5
		Year 1 Spring		
COMM 101	3	Techniques of Speaking	COM 230	3
ENGL 104	3	Technical Communication	COM 310	3
MATH 122	4	Calculus II	MATH 122	4
		General Chemistry II	CHEM 102	4.5
CHEM 102	4			
ELECTIVE	3	General Ed Elective	ELECTIVE	4.5
Credits	17		Credits	19.0
		Year 2 Fall		
ENGR 213	3	Statics	MEM 202	3
MATH 221	4	Multivariate Calculus	MATH 200	4
		Fundamentals of Physics I	PHYS 101	4
PHYS 211	4			
MATH 222	4	Differential Equations	MATH 210	4
WELLNESS	1	No Credit for Wellness		0
Credits	16		Credit	s 15
		Year 2 Spring		
ENGR 214	3	Dynamics	MEM 238	4
ELECTIVE	3	General Ed Elective	ELECTIVE	4.5
		Fundamentals of Physics I	PHYS 102	4
PHYS 212	4			
MATH 220	4	Linear Algebra	Math 201	4
Credits	14		Credits	16.5
Total Credits	63		Total Credits	67.0
	COURSE CAD 154 CHEM 101 ENGL 101 ENGR 102 MATH 121 Credits COMM 101 ENGL 104 MATH 122 CHEM 102 ELECTIVE Credits ENGR 213 MATH 221 PHYS 211 MATH 222 WELLNESS Credits ENGR 214 ELECTIVE PHYS 212 MATH 220 Credits	COURSE CRS CAD 154 3 CHEM 101 4 ENGL 101 3 ENGR 102 2 MATH 121 4 Credits 16 COMM 101 3 ENGL 104 3 MATH 122 4 CHEM 102 4 ELECTIVE 3 Credits 17 ENGR 213 3 MATH 221 4 PHYS 211 4 PHYS 211 4 WELLINESS 1 Credits 16 ENGR 214 3 PHYS 212 4 MATH 220 4	COURSECRSREQUIREMENT Year 1 FallCAD 1543Transfer General Free ElectiveCHEM 1014General Chemistry IENGL 1013Composition and Rhetoric I Introduction to EngineeringENGR 1022Design & Data AnalysisMATH 1214Calculus ICOMM 1013Techniques of Speaking Technical Communication Calculus II General Chemistry IICHEM 1024ELECTIVE3CHEM 1024ELECTIVE3CHEM 1024ELECTIVE3Chem 1024ELECTIVE3Credits17Year 2 FallStaticsMATH 2214MATH 2224MATH 2224WELLNESS1Credits16Year 2 SpringPHYS 2114MATH 2224WELLNESS1Credits16Year 2 SpringPHYS 2124MATH 2204Credits14Total Credits63	COURSECRSREQUIREMENTCOURSEYear 1 FallYear 1 FallYear 1 FallCAD 1543Transfer General Free ElectiveTGFE 099CHEM 1014General Chemistry ICHEM 101ENGL 1013Composition and Rhetoric I Introduction to EngineeringENGR 101ENGR 1022Design & Data AnalysisENGR 111 MATH 121MATH 1214Calculus IMATH 121 Credits 16COMM 1013Techniques of Speaking Techniques of SpeakingCOM 230 COM 310COMM 1024General Chemistry IICHEM 102CHEM 1024General Ed ElectiveELECTIVE Credits 17CHEM 102CHEM 1024General Ed ElectiveELECTIVE Credits 17CHEM 202MATH 2214Mattriate Calculus Hultivariate Calculus Fundamentals of Physics IMATH 200 PHYS 101PHYS 2114Differential Equations No Credit for WellnessMATH 210 CreditsPHYS 2124General Ed Elective Fundamentals of Physics IPHYS 102PHYS 2124Dynamics General Ed Elective Fundamentals of Physics IPHYS 102PHYS 2124Linear AlgebraMath 201 Credits 14CreditsTotal Credits14CreditsCredits

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: Chemical Engineering



REQUIREMENT	COURSE	CRS
Year 3 Fall Material and Energy		4
First-Year Engineering Design The Drexel Experience Computational Methods in Chemical Engineering I Organic Chemistry I Career Management and Professional Development	ENGR 113 UNIV E101	4 3 1
	CHE 220 CHEM 241	3 4
	COOP 101 Credits	1 16
Year 3 Winter		
Material and Energy Balances II Chemical Engineering	CHE 212	4
Thermodynamics I Organic Chemistry II Composition and Rhetoric II: Advanced Research and Evidence Based Writing	CHE 230 CHEM 242	4 4
	ENGL 102	3
For Engineers	ENGR 131 Credits	3 18
Year 3 Spring/Summer COOP Experience		
Year 4 Fall Fundamentals of Materials	ENGR 220	4
Thermodynamics II Fluid Mechanics Statistics and Design of Experiments Introduction to Civic Engagement Physical Chemistry Laboratory	CHE 330 CHE 341	4 4
	CHE 350	3
	CIVC 101 CHEM 356 Credits	1 3 19

REQUIREMENT	COURSE	CRS	
Year 4 Winter Computational Methods in Chemical Engineering II Mass Transfer	CHE 320 CHE 343	3	
Chemical Engineering Laboratory I Heat Transfer	CHE 351 CHE 342	2.5 4	
Themes and Genres	ENGL 103 Credits	3 16.5	
Year 4 Spring/Summer COOP Experience			
Year 5 Fall Process Design I Separation Processes Chemical Engineering Laboratory II Chemical Kinetics and	CHE 471 CHE 331 CHE 453	4 3 2.5	
Reactor Design Process Dynamics and Control	CHE 362 CHE 464 Credits	4 4 17.5	
Year 5 Winter Process Design II Chemical Engineering Laboratory II	CHE 472 CHE 352	3 2.5	
Chemical Engineering CHE Technical 300+ Elective General Ed Elective	CHE 372 ELECTIVE ELECTIVE Credits	3 3 14.5	
Year 5 Spring Process Design III Chemical Process Safety Physical Chemistry and	CHE 473 CHE 466	3 3	
Applications II CHE Technical 300+ Elective Biology Elective	CHEC 352 ELECTIVE ELECTIVE Credits	4 3 3 16	
Total HACC C	Total HACC Credits Transfer		
Drexel Credits Completed			
Total All Credits			