



Shoreline Community College: A.S in Bio and Chemical Engineering (101-108 quarter credits)
Drexel University: B.S in Chemical Engineering (192.5 quarter credits)

Shoreline Community College		SCC Credits	Drexel Courses		Drexel Credits
ENGL 101	English Composition I	5	ENGL 101	Expository Reading & Writing	3.0
ENGL 230	Technical Report Writing	3	COM 310	Technical Communication	3.0
MATH 151	Calculus I	5	MATH 121	Calculus I	4.0
MATH 152	Calculus II	5	MATH 122	Calculus II	4.0
MATH 163	Calculus III	5	MATH 200	Multivariable Calculus	4.0
MATH 207	Elements of Differential Equations	5	ENGR 232	Dynamic Engineering Systems	3.0
PHYS 221	Engineering Physics I w/ Lab Mechanics	5.5	PHYS 101	Fund of Physics I	4.0
PHYS 222	Engineering Physics II w/ Lab Electromagnetism	5.5	PHYS 102	Fund of Physics II	4.0
PHYS 223	Engineering Physics III w/ Lab Waves, Heat & Light	5.5	PHYS 201	Fund of Physics III	4.0
CHEM 171	General-Inorganic Chemistry I	4	CHEM 101	General Chemistry I	3.5
CHEM 181	General-Inorganic Chemistry I (Lecture-Lab)	2.5	CHEM 102	General Chemistry II	4.5
CHEM 172	General-Inorganic Chemistry II	4	CHEM 103	General Chemistry III	5.0
CHEM 182	General-Inorganic Chemistry II (Lecture-Lab)	2.5	CHEM 241	Organic Chemistry I	4.0
CHEM 173	General-Inorganic Chemistry III	4	CHEM 244	Organic Chemistry I Lab	3.0
CHEM 183	General-Inorganic Chemistry III (Lecture-lab)	2.5			
CHEM 241	Organic Chemistry I	4			
CHEM 271	Organic Chemistry I Lab	3			
Major Electives (Choose 3)		15			
CHEM 242	Organic Chemistry II (4CR)		CHEM 242	Organic Chemistry II	4.0
CHEM 272	Organic Chemistry II Lab (3CR)		CHEM 245	Organic Chemistry II Lab	3.0
BIOL 211	Majors Cellular: Biology (5CR)		BIO 141	Essential Biology	4.5
BIO 212	Majors Animal: Biology (5CR)		TGFE 099	Free Elective	
CS 141	Introduction to Computer Programming with Java (5CR)		ECE 203	Programming for Engineers*	3.0
ENGR 214	Statics (5CR)		MEM 202	Statics*	3.0
ENGR 240	Applied Numerical Methods (5CR)		TGFE 099	Free Elective	5.0
MATH 208	Linear Algebra (5CR)		ENGR 231	Linear Engineering Systems	3.0
MATH 264	Calculus IV (5CR)		TGFE 099	Free Elective	5.0
	Multicultural Understanding	5		General Education Elective	5.0
	Humanities	5		General Education Elective	5.0
	Social Sciences (recommend ECON 201)	5		General Education Elective	5.0
TOTAL SEMESTER CREDITS		101.0	TOTAL QUARTER CREDITS		98.5

*not required of chemical Engineering majors - would count as a free elective

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.