



**Montgomery County Community College: AS in Engineering Science (68 semester credits)**  
**Drexel University: BS in Applied Engineering Technology (187.5 quarter credits)**

MCCC Courses		MCCC Courses	Drexel Courses		Drexel Credits
ENG 101	English Composition I	3	ENGL 101	Expository Writing & Reading	3
ENG 102	English Composition II	3	ENGL 102	Persuasive Writing & Reading	3
			ENGL 103	Analytical Writing & Reading	3
ECO 121	Macroeconomics	4	ECON 202	Macroeconomics	4
MAT 190	Calculus and Analytical Geometry I	4	MATH 121	Calculus I	4
MAT 201	Calculus and Analytical Geometry II	4	MATH 122	Calculus II	4
MAT 202	Calculus III	4	TGFE 099	Transfer General Free Elective	4
MAT 223	Differential Equations	4	TGFE 099	Transfer General Free Elective	4
CHE 151	Principles of Chemistry I	4	CHEM 111/113 or CHEM 161/164	Chemistry I with lab	5
PHY 151	Principles of Physics I	4	PHYS 103 or PHYS 182/186	General Physics I	4
PHY 152	Principles of Physics II	4	PHYS 104 or PHYS 183/188 & PHYS 184/282	General Physics II	4
<b>Choose 1 HIS Course</b>					
HIS 103	History of Western Civilization: Ancient History	3	HIST 161	Themes World Civilization I	3
HIS 105	History of Western Civilization: Medieval and Early Modern History	3	HIST 162	Themes World Civilization II	3
HIS 107	History of Western Civilization: Modern European History	3	HIST 259	History of Europe 20th Century	3
<b>Choose 1 SPC Course</b>					
SPC 110	Introduction to Speech Communication	3	COM 111	Principles of Speech	3
SPC 120	Public Speaking	3	COM 111	Principles of Speech	3
SPC 230	Communication in Organizations	3	COM 230	Principles of Communication	3
EGR 111	Engineering Computations	3	CS 161	Intro to Computing	3
EGR 115	Engineering Graphics	3	MET 100	Graphical Communication	3
EGR 211	Circuits and Devices	4	EET 201	Circuit Analysis I	4
<b>OR</b>			<b>OR</b>		
EGR 203	Engineering Statics	4	MET 213	Applied Mechanics	4
EGR 210	Digital Systems	4	EET 205	Digital Electronics	4
<b>OR</b>			<b>OR</b>		
EGR 204	Engineering Dynamics	4	MHT 222	Applied Dynamics	3
	Art, Foreign Language, Literature, Music or Philosophy Elective	3		See Below	3
	History Elective	3		See Below	3
	Anthropology, Psychology or Sociology	3		See Below	3
	Physical Education Elective	2		Non-Transferable	0
<b>TOTAL SEMESTER CREDITS</b>		<b>69</b>	<b>TOTAL QUARTER CREDITS</b>		<b>70-71</b>

Social science and humanities elective can be any course from: SOC, PSY, HIST, COM, PSCI, ANTH, ART, ENGL, and languages. Please also refer to CollegeTransfer.net to determine transferrable options appropriate to your intended major.

The number of free electives credits in the AET curriculum varies between 9 and 14 quarter credits depending on the track. A maximum of 90 quarter credits will transfer.

*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.*