

**ISU College of Engineering/Southeastern Community College  
Transfer Equivalency Guide**

ISU: 2009-2011 Catalog/Southeastern Community College: 2008-2009 Catalog

**Basic Program courses Required by ALL Engineering Curricula**

<b>ISU</b>	<b>Cr</b>		<b>SECC</b>	<b>Cr</b>
Chem 177 or 167	4	General Chemistry for Engineers	CHM 165	4
English 150	3	Critical Thinking and Communication	ENG 105	3
English 250	3	WOVE Composition	ENG 106	3
Engr 101	N/A	Engineering Orientation		
Engr 160*	3	Engineering Problems w/VisualBasic		
Lib 160	0.5	Library Instruction		
Math 165	4	Calculus I	MAT 210	4
Math 166	4	Calculus II	MAT 216	4
Phys 221	5	Classical Physics I	PHY 212	5

\*May also transfer for AerE 160/CE 160, IE 148, and/or EE/CprE/SE 185

**NOTE: Students who are not adequately prepared may need to take courses in addition to those listed above.** Typically, many students need Math 140 (Algebra) and/or Math 141/142 (Trigonometry/PreCalculus) prior to taking a Calculus course.

**Social Science Humanities General/Education Courses Accepted by ALL Engineering Departments**

<b>ISU</b>	<b>Cr</b>		<b>SECC</b>	<b>Cr</b>
Econ 101	3	Principles of Microeconomics	ECN 130	3
Econ 102	3	Principles of Macroeconomics	ECN 120	3
Hist 201	3	Intro. to Western Civilization I	HIS 131	3
Hist 202	3	Intro. to Western Civilization II	HIS 132	3
Hist 221	3	Survey of U.S History I	HIS 151	3
Hist 222	3	Survey of U.S History II	HIS 152	3
Music 102	3	Introduction to Music Listening	MUS 100	3
Phil 201	3	Introduction to Philosophy	PHI 101	3
Pol S 215	3	Introduction to American Government	POL 111	3
Psych 101	3	Introduction to Psychology	PSY 111	3
Psych 230	3	Developmental Psychology	PSY 121	3
Psych 280	3	Social Psychology	PSY 251	3
Soc 134	3	Introduction to Sociology	SOC 110	3

**NOTE: A total of 12-21 credits needed, depending on engineering department.**

**Other Courses Required for SOME Engineering Curricula**

<b>ISU</b>	<b>Engr Major</b>	<b>Cr</b>		<b>SECC</b>	<b>Cr</b>
Acct 284	ConE	3	Financial Accounting	ACC 142	3
Biol 101	CE (Envr)	3	Introductory Biology	BIO 109	4
Biol 212	BSE	3	Principles of Biology II	BIO 119	3
Chem 178/178L	ChE, CE (Envr), MatE	4	General Chemistry II & Lab II	CHM 175	4
Chem 331	BSE(including lab), ChE	3	Organic Chemistry I	CHM 263	4
Chem 332	BSE(including lab) (Pre, BR), ChE	3	Organic Chemistry II	CHM 273	4
Math 265	All but AE, BSE, SE	4	Calculus III	MAT 219	4
Math 267	ALL	4	Elem. Diff. Eq's & Laplace Trans.	MAT 227	4
Phys 222	ALL but CE (Envr), SE	5	Classical Physics II	PHY 222	5
Sp Cm 212	AE, CE, IE, SE	3	Fundamentals of Public Speaking	SPC 112	3