

**ISU College of Engineering /Eastern Iowa Community College District  
Transfer Equivalency Guide**

*ISU: 2009-2011 Catalog / Eastern Iowa Community College District: 2008-2010 Catalog*

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

ISU	Cr		EICC	Cr
Chem 177 or 167	4	General Chemistry for Engineers	CHM 165 or 166 or 179	4
Engl150	3	Critical Thinking & Communication	ENG 105 or 107	3
Engl 250	3	WOVE Composition	ENG 106 or 108	3
Engr 101	N/A	Engineering Orientation		
Engr 160*	3	Engineering Problems	EGR 295	2
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 (MAT 121) and/or Math 141/142 (MAT 128) prior to taking a Calculus course.

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

ISU	Cr		EICC	Cr
Anthr 201	3	Introduction to Cultural Anthropology	ANT 105	3
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 112 or HIS 117 & 118	4 or 4.5
Hist 202	3	Intro. To Western Civilization II	HIS 113 or HIS 118 & 119	4 or 4.5
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
HD FS 276	3	Human Sexuality	PSY 261	3
Relig 205	3	Introduction to World Religions	REL 101	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**

ISU	Engr Major	Cr		EICC	Cr
Acct 284	ConE	3	Financial Accounting	ACC142	3
Biol 101	CE (Envr)	3	Introductory Biology	BIO 105	4
Biol 212	BSE	3	Principles of Biology II	BIO 115	3
Chem 178/178L	ChE, CE(Envr), Mat E	3	General Chemistry II	CHM 175 or 176	4
Chem 231/231L	BSE (BE, FE), CE (Envr)	4	Elementary Organic Chemistry	CHM 132	4
Chem 331	BSE (including lab) (Pre, BR), ChE	3	Organic Chemistry I	CHM 261 or 263 or 279	3
Chem 332	BSE (including lab) (Pre, BR), ChE	3	Organic Chemistry II	CHM 271 or 273	3
Engr 170	AE, BSE, CE, ConE, MatE, ME	3	Engineering Graphics & Intro to Design	EGR 112	3
EM 274	ALL except ChE, CprE, EE, SE	3	Engineering Statics	EGR 180	3
EM 345	AerE, CE, ME	3	Dynamics	EGR 280	3
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 except CE (Envr), SE	5	Classical Physics II	PHY 222	5
Sp Cm 212	AE, CE, IE, SE	3	Fundamentals of Public Speaking	SPC112	3