

**ISU College of Engineering/Black Hawk College
Transfer Equivalency Guide**

ISU: 2009-2011 Catalog/Black Hawk College: 2008-2009 Catalog

Basic Program courses Required by ALL Engineering Curricula

ISU	Cr		BHC	Cr
Chem 177 or 167	4	General Chemistry for Engineers	CHEM 101	3
Engl 150	3	Critical Thinking and Communication	ENG 101	3
Engl 250	3	WOVE Composition	ENG 102	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	MATH 124	4
Math 166	4	Calculus II	MATH 225	4
Phys 221	5	Classical Physics I	PHYS 201	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 (MATH 112) and/or Math 141/142 (MATH 116/118) prior to taking a Calculus course.

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

ISU	Credits		BHC	Credits
Anthr 201	3	Introduction to Cultural Anthropology	ANTH 102	3
Econ 101	3	Principles of Microeconomics	ECON 222	3
Econ 102	3	Principles of Macroeconomics	ECON 221	3
Hist 201	3	Intro. To Western Civilization I	HIST 101	3
Hist 202	3	Intro. To Western Civilization II	HIST 102	3
Hist 221	3	Survey of U.S History I	HIST 251	3
Hist 222	3	Survey of U.S History II	HIST 252	3
Music 102	3	Introduction to Music Listening I	MUSC 113	3
Phil 201	3	Introduction to Philosophy	PHIL 101	3
Pol S 215	3	Introduction to American Government	POLS 251	3
Pol S 251	3	International Relations	POLS 271	3
Psych 101	3	Introduction to Psychology	PSYC 101	3
Psych 230	3	Developmental Psychology	PSYC 200	3
Psych 280	3	Social Psychology	PSYC 230	3
HD FS 276	3	Human Sexuality	PSYC 219	3
Soc 134	3	Introduction to Sociology	SOC 101	3
Soc 219	3	Marriage and Family	SOC 251	3
Soc 235	3	Social Problems	SOC 200	3

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

Other Courses Required for SOME Engineering Curricula

ISU	Engr Major	Cr		BHC	Cr
Acct 284	ConE	3	Financial Accounting	ACCT 101	3
Biol 101	CE (Envr)	3	Introductory Biology	BIOL 100	4
Biol 212	BSE	3	Principles of Biology II	BIOL 106	5
Chem 178/178L	ChE, CE (Envr), MatE	4	General Chemistry II & Lab II	CHEM 102	4
Chem 231/231L	BSE (BE, FE), CE (Envr)	4	Elem. Organic Chemistry	CHEM 111 or 202	4
Chem 331	BSE including lab (Pre, BR), ChE	3	Organic Chemistry I	CHEM 203	3
Chem 332	BSE including lab (Pre, BR), ChE	3	Organic Chemistry II	CHEM 204	3
Engr 170	AE, CE, ConE, MatE, ME	3	Engr. Graphics & Intro. to Design	GE 101	3
EM 274	AerE, AE, BSE, CE, ConE, IE, MatE, ME	3	Engineering Statics	GE 201	3
EM 345	AerE, CE, ME	3	Dynamics	GE 202	3
EM 324	AerE, AE, BSE, CE, ConE, MatE, ME	3	Mechanics of Materials	GE 205	3
Math 266	AE, CE, ConE (B,H)	3	Elementary Differential Equations	MATH 235	3
Math 265	ALL but AE, BSE, SE	4	Calculus III	MATH 226	5
Phys 222	ALL but CE (Envr), SE	5	Classical Physics II	PHYS 202	5
Sp Cm 212	AE, CE, IE, SE	3	Fundamentals of Public Speaking	SPEC 101	3