

Iowa Western Community College Transfer Guide

Iowa Western Community College / Iowa State University
Department of Agriculture and Biosystems Engineering

MANUFACTURING

IWCC Catalog; ISU 2011-2012 Catalog

Recommended Core Courses for Agricultural & Biosystems Engineering Students with an emphasis on Manufacturing:

IWCC Courses	Title	Cr.	ISU Course
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Communications

ENG105	Composition I	3	ENGL 150
ENG106	Composition II	3	ENGL 250
SPC112	Public Speaking	3	SP CM 212

Mathematical, Physical, and Life Science

MAT 120	Precalculus	2	MATH 140	Either Math 142 and 160 at ISU or Math 165
		3	MATH 142	
MAT 211	Calculus I	5	MATH 165	
PHY 156	General Physics I	5	PHYS 111	
PHY 157	General Physics I Lab			
PHY 158	General Physics II	5	PHYS 112	
PHY 159	General Physics II Lab			
BIO 105	Introductory Biology	4	BIOL 101	
	or			
BIO 112	General Biology I	3	BIOL 211	

Each couple of classes is taken together for credit.

Life Sciences

(3 credits needed)

AGA 115	Principles of Agronomy	4	AGRON 114
AGA 212	Grain and Forage Crops	4	AGRON 212
AGS 113	Survey of Animal Industry	3	AN S 114
BIO 157	Human Biology	4	BIOL 155
ENV 111	Environmental Science	4	BIOL 173
AGH 221	Principles of Horticulture	3	HORT 221

Social Sciences

ECN 130	Principles of Microeconomics	3	ECON 101
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Humanities

(3 credits needed)

EDU 235	Children's Literature	3	HD FS 240
HIST 110	Western Civ Ancient to Early Modern	3	HIST 201
HIST 111	Western Civ Early Modern to Present	3	HIST 202
HIST 151	U.S. History to 1877	3	HIST 221
HIST 152	U.S. History since 1877	3	HIST 222
MUS 100	Music Appreciation	3	MUSIC 102
PHI 101	Introduction to Philosophy	3	PHIL 201
PHI 105	Introduction to Ethics	3	PHIL 230
REL 101	Survey of World Religions	3	RELIG 205
DRA 101	Introduction to Theatre	3	THTR 106
FLS 241*	Intermediate Spanish I	4	SPAN 201
FLS 242*	Intermediate Spanish II	4	SPAN 202

*or higher level foreign language

Ethics*(3 credits needed)*

PHI 105	Introduction to Ethics	3	PHIL 230
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International Perspective*(3 credits needed)*

ANT 105	Cultural Anthropology	3	ANTHR 201
HIST 110	Western Civ Ancient to Early Modern	3	HIST 201
HIST 111	Western Civ Modern to Present	3	HIST 202
MUS 100	Music Appreciation	3	MUSIC 102
REL 101	Survey of World Religions	3	RELIG 205
POL 121	International Relations	3	POL S 251
FLS 142	Elementary Spanish II	4	SPAN 102

**or higher level foreign language course*

U.S. Diversity*(3 credits needed)*

EDU 235	Children's Literature	3	HD FS 240
EDU 245	Exceptional Learner	3	SP ED 250
ECE 287	Exceptional Learner	3	SP ED 250
PSY 261	Human Sexuality	3	HD FS 276
SOC 115	Social Problems	3	SOC 235

Business Core*(6 credits needed)*

ACC 121	Principles of Accounting I	3	ACCT 284 <i>Required</i>
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Technology Core

EGR 165	Engineering II	3	TSM 115
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Technical Elective List*(3 credits needed)*

ACC 122	Principles of Accounting II	3	ACCT 285
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A total of 65 community college credits can be applied towards your major at Iowa State University.