

# Southwestern Community College Transfer Guide

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

## Industrial Technology

SWCC Catalog; ISU 2015-2016 Catalog

- This course list is meant to act as a *guide* - accepted courses are subject to change. Please contact an ABE advisor (<http://www.abe.iastate.edu/undergraduate-students/advising-for-ast-i-tech/>) for the most up-to-date course information.
- To compare ISU courses with transfer courses from SWCC, you can access the transfer equivalency guide at: <http://www.admissions.iastate.edu/equiv/index.php?state=iowa>.

### Recommended Core Courses for Industrial Technology.

Options are available for *Manufacturing* or *Occupational Safety*.

SWCC Courses	Title	Cr.	ISU Course
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#### Interpersonal and Public Communication Skills

ENG 105	Composition I	3	ENGL 150
ENG 106	Composition II	3	ENGL 250
SPC 101	Fundamentals of Oral Communication	3	SP CM 212
SPC 112	Public Speaking	3	SP CM 212

#### Mathematical, Physical, and Life Sciences

Credit in CHEM 177&177L will meet the requirement for CHEM 163&163L	MAT 210	Calculus I	4	MATH 165	<b>Math Requirement:</b> Credit for Math 165 fulfills requirement for Math 145 & 151
	PHY 162	College Physics I (with lab)	4	PHYS 111	
	MAT 156	Statistics	3	STAT 104	
	CHM 166	General Chemistry I	4	CHEM 177	
		General Chemistry I Lab	1	CHEM 177L	
	BIO 105	Introductory Biology (with lab)	4	BIOL 101	
		<b>OR</b>			
	BIO 112	General Biology I	4	BIOL 2T**	Either BIO 112 or 113 will count for BIOL 211
		<b>OR</b>			
	Bio 113	General Biology II	4	BIOL 2T**	

#### **Life Sciences**

(3 credits needed)

For a complete list of **Life Science** courses at ISU please visit:

[http://www.agstudent.iastate.edu/agriculturestudentservices/life\\_science.htm](http://www.agstudent.iastate.edu/agriculturestudentservices/life_science.htm).

Compare this list with the Transfer Equivalency guide for your institution to choose your 3 credits of life sciences.

#### Business, Humanities, Ethics and Social Sciences

ECN 130	Principles of Microeconomics	3	ECON 101
ACC 131	Principles of Accounting I	4	ACCT 284

**For Humanities, International Perspectives, and U.S. Diversity, accepted courses are subject to change. Please check with an ABE advisor for the most popular courses, how to double count courses to fulfill more than one academic requirement, and current updates.**

#### **Humanities**

(3 credits needed)

MUS 100	Music Appreciation	3	MUSIC 102
REL 101	Survey of World's Religions	3	RELIG 205
ART 203	Art History I	3	ART H 280
ART 204	Art History II	3	ART H 281
LIT 101	Introduction to Literature	3	ENGL 201
LIT 105	Children's Literature	3	HD FS 240
HIS 110	West Civ: Ancient to Early Modern	3	HIST 201
HIS 111	West Civ: Early Modern to Present	3	HIST 202

HIS 151	U.S. History to 1877	3	HIST 221
HIS 152	U.S. History since 1877	3	HIST 222
PHI 101	Introduction to Philosophy	3	PHIL 201
PHI 105	Introduction to Ethics	3	PHIL 230

\* These are Humanities courses that have transferred in the past.

For a complete list of **Humanities** courses at ISU please visit:

<http://www.agstudent.iastate.edu/agriculturestudentservices/humanities.htm>

### International Perspective

(3 credits needed)

MUS 100	Music Appreciation	3	MUSIC 102
REL 101	Survey of World Religions	3	RELIG 205
ANT 105	Cultural Anthropology	3	ANTHR 201
ART 203	Art History I	3	ART H 280
ART 204	Art History II	3	ART H 281
HIS 110	West Civilization: Ancient to Early Modern	3	HIST 201
HIS 111	West Civilization: Early Modern to Present	3	HIST 202
FLS 142	Elementary Spanish II*	4	SPAN 102

**\* or higher level of foreign language course**

\* These are International Perspectives courses that have transferred in the past.

For a complete list of **International Perspective** courses at ISU please visit:

<http://www.registrar.iastate.edu/students/div-ip-guide/IntlPerspectives-current>

For a complete list of non-equivalent transfer courses approved for use as International Perspectives please visit:

<http://www.registrar.iastate.edu/sites/default/files/uploads/courses/TransferIP.pdf>

### U.S. Diversity

(3 credits needed)

LIT 105	Children's Literature	3	HD FS 240
SOC 115	Social Problems	3	SOC 235

\* These are U.S. Diversity courses that have transferred in the past.

For a complete list of **U.S. Diversity** courses at ISU please visit:

<http://www.registrar.iastate.edu/students/div-ip-guide/usdiversity-courses>

For a complete list of non-equivalent transfer courses approved for use as U.S. Diversity Requirement please visit:

<http://www.registrar.iastate.edu/sites/default/files/uploads/courses/TransferDiv.pdf>

**A MAXIMUM OF 65 COMMUNITY COLLEGE CREDITS CAN BE APPLIED TOWARDS YOUR MAJOR AT IOWA STATE UNIVERSITY**