

# Northeast Iowa Community College Transfer Guide

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

## Industrial Technology

NICC 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 NICC, 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*.

NICC Courses	Title	Cr.	ISU Course
<b>Interpersonal and Public Communication Skills</b>			
ENG: 105	Composition I	3	ENGL 150
ENG: 106	Composition II	3	ENGL 250
SPC: 112	Public Speaking	3	SP CM 212

### Mathematical, Physical, and Life Sciences

MAT: 210	Calculus I	4	MATH 165 →
PHY: 162	College Physics I	4	PHYS 111
MAT: 156	Statistics	3	STAT 104
CHM: 110	Introduction to Chemistry	3	CHEM 163
CHM: 111	Introduction to Chemistry Lab	1	CHEM 163L
BIO: 112	General Biology I	4	BIOL 2T**
Bio: 113	General Biology II	4	BIOL 2T**

#### Math Requirement:

Credit for Math 165 fulfills requirement for Math 145 & 151

When BIO 112 and BIO 113 are both taken, the courses will transfer as BIOL 211(3), BIOL 211L(1), BIOL 212(3), and BIOL 212L (1).

### 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: 152	Financial Accounting	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: 105	Introduction to Religion	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
EDU: 235	Children's Literature	3	HD FS 240
HIS: 131	World Civilization I	3	HIST 201

HIS: 132	World Civilization II	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/agriculturestudentervices/humanities.htm>

### International Perspective

(3 credits needed)

MUS: 100	Music Appreciation	3	MUSIC 102
REL: 105	Introduction to Religion	3	RELIG 205
SOC: 208	Introduction to Cultural Anthropology	3	ANTHR 201
ART: 203	Art History I	3	ART H 280
ART: 204	Art History II	3	ART H 281
HIS: 131	World Civilization I	3	HIST 201
HIS: 132	World Civilization II	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)

EDU: 235	Children's Literature	3	HD FS 240
EDU: 175	Introduction to Human Disabilities and Services	3	SP ED 250
HSV: 162	Introduction to Human Disabilities and Services	3	SP ED 250
HUM: 170	Introduction to Women's Studies	3	W S 201
PSY: 261	Human Sexuality	3	HD FS 276
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>

### Option Core for Management

AGB: 330	Farm Business Management	3	ECON 230
AGB: 333	Precision Farming Systems	3	TSM 333

### Option Core for Machine Systems

AGP: 333	Precision Farming Systems	3	TSM 333
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**A MAXIMUM OF 65 COMMUNITY COLLEGE CREDITS CAN BE APPLIED TOWARDS YOUR MAJOR AT IOWA STATE UNIVERSITY**