

# IOWA STATE UNIVERSITY

College of Agriculture and Life Sciences  
College of Liberal Arts and Sciences

Have questions about transferring?  
Contact the Biology Program!  
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103 Bessey Hall – Iowa State University  
2200 Osborn Dr. – Ames, Iowa – 50011-1020

## Biology Transfer Checklist

### *Iowa Lakes Community College (ILCC)*

Our transfer checklist is designed to assist students who wish to transfer to courses from ILCC to Iowa State University and major in Biology. Students need not complete everything on this list prior to transferring, but the courses suggested will fulfill our degree requirements. We recommend discussing our checklist with an advisor in our student services office, as other courses may also apply and could be more appropriate for a particular career.

### ***Biology Major Requirements***

The following courses are recommended for students interested in transferring to Biology. These courses satisfy Biology degree requirements and often apply to other life science majors at Iowa State as well.

#### ***Recommended Biology Courses***

ILCC	Course	ISU Equivalent
<input type="checkbox"/> BIO 112	General Biology I	BIOL 2T**
<input type="checkbox"/> BIO 113	General Biology II	BIOL 2T**

**ATTENTION!** To receive credit for BIOL 211/L and BIOL 212/L, students must complete **both** BIO 112 and BIO 113

#### ***Recommended Chemistry Courses***

ILCC	Course	ISU Equivalent
<input type="checkbox"/> CHM 166	General Chemistry I	CHEM 177+L
<input type="checkbox"/> CHM 176	General Chemistry II	CHEM 178+L
<input type="checkbox"/> CHM 263	Organic Chemistry I	CHEM 331 CHEM 333L
<input type="checkbox"/> CHM 273	Organic Chemistry II	CHEM 332 CHEM 334L

#### ***Recommended Math Courses***

ILCC	Course	ISU Equivalent
<input type="checkbox"/> MAT 156	Statistics	STAT 104
	-or-	
	MAT 157 Statistics	STAT 101
<input type="checkbox"/> MAT 210	Calculus I	MATH 165

**NOTE!** Take either MAT 156 or MAT 157, not both.

#### ***Recommended Physics Courses***

ILCC	Course	ISU Equivalent
<input type="checkbox"/> PHY 162	College Physics I	PHYS 131+L
<input type="checkbox"/> PHY 172	College Physics II	PHYS 132+L

Students may take additional life science courses at ILCC to explore an interest area. Such courses will be considered electives within the Biology major, but may be used for a second major, a minor, or as pre-requisites for certain upper-level biology courses at Iowa State.

### University and College Requirements

Students of all majors must complete university requirements. Further general education requirements are determined by choice of college, and Biology majors may be in either the College of Agriculture and Life Sciences (AgLS) or the College of Liberal Arts and Sciences (LAS).

#### Communications Requirements

ILCC	Course	ISU Equivalent
<input type="checkbox"/>	ENG 105 Composition I	ENGL 150
<input type="checkbox"/>	ENG 106 Composition II	ENGL 250
<input type="checkbox"/>	SDV 106 Library Orientation	LIB 160
<input type="checkbox"/>	SPC 101 Fund of Oral Com	SP CM 212
	-or-	
	SPC 112 Public Speaking	SP CM 212

**NOTE!** Students who have credit for ENGL 250 but not ENGL 150 will need to take an advanced writing course to meet university requirements

#### Suggested U.S. Diversity Courses

HIS 255, HIS 257, PSY 261, SOC 115, SOC 200

#### Suggested International Perspective Courses

ANT 105, GEO 121, HIS 110, LIT 150, MUS 100, MUS 200, POL 121, REL 101

Students need to complete 3 credits of U.S. Diversity (USD) and 3 credits of International Perspectives (IP). The USD and IP courses may double count with college general education requirements. Students intending to major in LAS must complete 12 credits arts and humanities, 9 credits social sciences, and a world language proficiency (3 years of high school language or 101/102 college level); AgLS majors must complete 3 credits humanities, 3 credits ethics, and 3 credits social sciences. The following lists are suggestions and not intended to be exhaustive lists of possible options.

#### Suggested Arts and Humanities Courses

ILCC	Course	ISU Equivalent
<input type="checkbox"/>	ART 101 Art Appreciation	ART 1T**
<input type="checkbox"/>	DRA 101 Intro Theatre	THTR 1T**
<input type="checkbox"/>	HIS 110 Western Civ I	HIST 201
<input type="checkbox"/>	HIS 151 American Hist I	HIST 221
<input type="checkbox"/>	HIS 201 Iowa History	HIST 2T**
<input type="checkbox"/>	HIS 257 African Ame Hist	AF AM 2T**
<input type="checkbox"/>	LIT 110 American Lit I	ENGL 227
<input type="checkbox"/>	LIT 111 American Lit II	ENGL 228
<input type="checkbox"/>	MUS 100 Music Apprec	MUSIC 102
<input type="checkbox"/>	PHI 101 Intro Philosophy	PHIL 201
<input type="checkbox"/>	PHI 105 Intro Ethics	PHIL 230
<input type="checkbox"/>	REL 101 World Religion	RELIG 205

#### Suggested Social Sciences Courses

ILCC	Course	ISU Equivalent
<input type="checkbox"/>	ANT 105 Cultural Anthro	ANTHR 201
<input type="checkbox"/>	CRJ 100 Intro Crim Justice	C J 240
<input type="checkbox"/>	CRJ 200 Criminology	C J 242
<input type="checkbox"/>	ECN 120 Macroeconomics	ECON 102
<input type="checkbox"/>	ECN 130 Microeconomics	ECON 101
<input type="checkbox"/>	GEO 121 World Geography	S SCI 1T**
<input type="checkbox"/>	POL 111 American Gov't	POL S 215
<input type="checkbox"/>	POL 125 Comparative Gov't	POL S 241
<input type="checkbox"/>	PSY 111 Intro Psychology	PSYCH 101
<input type="checkbox"/>	PSY 241 Abnormal Psych	PSYCH 2T**
<input type="checkbox"/>	PSY 261 Human Sexuality	HD FS 276
<input type="checkbox"/>	SOC 110 Intro Sociology	SOC 134
<input type="checkbox"/>	SOC 115 Social Problems	SOC 235