

# IOWA STATE UNIVERSITY

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

Have questions about transferring?  
Contact the Transfer Student Coordinator!  
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Biology and Environmental Science  
105B Bessey Hall – Iowa State University  
2200 Osborn Dr. – Ames, Iowa – 50011-1020

## Biology Transfer Checklist

### *Southwestern Iowa Community College (SWCC)*

Our transfer checklist is designed to assist students who wish to transfer courses from SWCC 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***

SWCC	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. The course sequence BIO 114 **and** BIO 115 also satisfy program requirements.

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

SWCC	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 261	Organic Chemistry I	CHEM 331 CHEM 331L
<input type="checkbox"/> CHM 271	Organic Chemistry II	CHEM 332 CHEM 332L

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

SWCC	Course	ISU Equivalent
<input type="checkbox"/> MAT 156	Statistics	STAT 104
<input type="checkbox"/> MAT 210	Calculus I	MATH 165

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

SWCC	Course	ISU Equivalent
<input type="checkbox"/> PHY 162	College Physics I	PHYS 111
<input type="checkbox"/> PHY 172	College Physics II	PHYS 112

Students may take additional life science courses at SWCC 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

NWICC	Course	ISU Equivalent
<input type="checkbox"/> ENG 105	Composition I	ENGL 150
<input type="checkbox"/> ENG 106	Composition II	ENGL 250
<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 257, LIT 105, PSY 261, SOC 115, SOC 200

#### Suggested International Perspective Courses

ANT 105, ART 203, ART 204, CLS 150, CLS 164, GEO 121, HIS 110, HIS 111, LIT 178, 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

SWCC	Course	ISU Equivalent
<input type="checkbox"/> ART 203	Art History I	ART H 280
<input type="checkbox"/> CLS 150	Latin Ame History	HUM 2T**
<input type="checkbox"/> HIS 110	Western Civ I	HIST 201
<input type="checkbox"/> HIS 151	U.S. History to 1877	HIST 221
<input type="checkbox"/> HIS 201	Iowa History	HIST 2T**
<input type="checkbox"/> HIS 257	African Ame History	HIST 2T**
<input type="checkbox"/> LIT 101	Intro to Literature	ENGL 201
<input type="checkbox"/> LIT 140	British Lit I	ENGL 225
<input type="checkbox"/> LIT 210	The Graphic Novel	ENGL 2T**
<input type="checkbox"/> MUS 100	Music Appreciation	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

SWCC	Course	ISU Equivalent
<input type="checkbox"/> ANT 105	Cultural Anthro	ANTHR 201
<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 112	State/Local Gov't	POL S 1T**
<input type="checkbox"/> PSY 111	Intro Psychology	PSYCH 101
<input type="checkbox"/> PSY 241	Abnormal Psych	PSYCH 2T**
<input type="checkbox"/> PSY 251	Social Psychology	PSYCH 280
<input type="checkbox"/> SOC 110	Intro Sociology	SOC 134
<input type="checkbox"/> SOC 115	Social Problems	SOC 235
<input type="checkbox"/> SOC 200	Minority Group	SOC 2T**