

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

Iowa Central Community College (ICCC)

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

ICCC	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

ICCC	Course	ISU Equivalent
<input type="checkbox"/> CHM 165	General Chemistry I	CHEM 177+L
<input type="checkbox"/> CHM 175	General Chemistry II	CHEM 178+L
<input type="checkbox"/> CHM 261	Organic Chemistry I	CHEM 331+L
<input type="checkbox"/> CHM 271	Organic Chemistry II	CHEM 332+L

Recommended Math Courses

ICCC	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

ICCC	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 ICCC 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

ICCC	Course	ISU Equivalent
<input type="checkbox"/> ENG 105	Composition I Comp I: Library	ENGL 150 LIB 160
<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

CLS 181, COM 148, SOC 115, SOC 130, SOC 200

Suggested International Perspective Courses

ANT 105, ART 203, ART 204, GEO 121, HIS 112, HIS 211, LIT 155, MUS 104, POL 121, REL 105

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

ICCC	Course	ISU Equivalent
<input type="checkbox"/> ART 101	Art Appreciation	ART 1T**
<input type="checkbox"/> ART 203	Art History	ART H 280
<input type="checkbox"/> CLS 181	American Diversity	HUM 1T**
<input type="checkbox"/> DRA 101	Intro Theatre	THTR 106
<input type="checkbox"/> HIS 112	Western Civ I	HIST 201
<input type="checkbox"/> HIS 151	American Hist I	HIST 221
<input type="checkbox"/> HUM 185	Tech and Soc	T SC 1T**
<input type="checkbox"/> LIT 114	American Lit	ENGL 2T**
<input type="checkbox"/> LIT 155	Modern World Fict	ENGL 2T**
<input type="checkbox"/> MUS 104	Exploring Music	MUSIC 102
<input type="checkbox"/> PHI 101	Intro Philosophy	PHIL 201
<input type="checkbox"/> PHI 105	Intro Ethics	PHIL 230
<input type="checkbox"/> REL 105	Intro Religion	RELIG 205

Suggested Social Sciences Courses

ICCC	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"/> MMS 101	Mass Media	JL MC 101
<input type="checkbox"/> POL 111	American Gov't	POL S 215
<input type="checkbox"/> POL 121	Internat'l Relat'n	POL S 251
<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 Relations	SOC 2T**