

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
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2200 Osborn Dr. – Ames, Iowa – 50011-1020

Biology Transfer Checklist

Iowa Western Community College (IWCC)

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

IWCC	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

IWCC	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

IWCC	Course	ISU Equivalent
<input type="checkbox"/> MAT 157	Statistics	STAT 101
<input type="checkbox"/> MAT 211	Calculus I	MATH 165

Recommended Physics Courses

IWCC	Course	ISU Equivalent
<input type="checkbox"/> PHY 156	General Physics I	PHYS 111
PHY 157	Gen. Physics I Lab	

ATTENTION! To receive credit for PHYS 111, both PHYS 156 and PHYS 157 must be taken; a PHYS 112 equivalent is no longer available at IWCC so students needing a full year of physics must either take PHYS 112 at another institution or take classical physics at IWCC.

Students may take additional life science courses at IWCC 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

IWCC	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 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 253, HIS 257, LIT 130, LIT 134, PSY 261, SOC 200, SOC 210

Suggested International Perspective Courses

ANT 105, GEO 121, HIS 110, HIS 111, LIT 140, MUS 100, POL 121, REL 101, SPC 120

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

IWCC	Course	ISU Equivalent
<input type="checkbox"/> ART 101	Art Appreciation	ART 1T**
<input type="checkbox"/> DRA 101	Intro Theatre	THTRE 106
<input type="checkbox"/> HIS 151	American Hist I	HIST 221
<input type="checkbox"/> HIS 257	African Ame. Hist.	HIST 2T**
<input type="checkbox"/> HIS 281	Local History	HIST 2T**
<input type="checkbox"/> HUM 122	American Film	HUM 1T**
<input type="checkbox"/> LIT 134	Multicultural Lit	ENGL 2T**
<input type="checkbox"/> LIT 140	British Lit I	ENGL 225
<input type="checkbox"/> LIT 169	Sci-fi/Fantasy Lit	ENGL 1T**
<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

IWCC	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"/> JOU 110	Intro Mass Media	JL MC 101
<input type="checkbox"/> POL 111	American Gov't	POL S 215
<input type="checkbox"/> POL 121	Int'l Relations	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"/> PSY 261	Human Sexuality	HD FS 276
<input type="checkbox"/> SOC 110	Intro Sociology	SOC 134
<input type="checkbox"/> SOC 200	Minority Groups	SOC 2T**
<input type="checkbox"/> SOC 240	Criminology	SOC 2T**