

IOWA STATE UNIVERSITY

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

Have questions about transferring?
Contact the Biology Program!
biology@iastate.edu – (515) 294-1064
103 Bessey Hall – Iowa State University
2200 Osborn Dr. – Ames, Iowa – 50011-1020

Biology Transfer Checklist

Indian Hills Community College (IHCC)

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

IHCC	Course	ISU Equivalent
<input type="checkbox"/>	BIO 120 General Biology ID	BIOL 2T**
<input type="checkbox"/>	BIO 121 General Biology IID	BIOL 2T**
<input type="checkbox"/>	BIO 122 General Biology IIID	BIOL 2T**

ATTENTION! To receive credit for BIOL 211/L and BIOL 212/L, students must complete BIO 120, BIO 121, **and** BIO 122

Recommended Chemistry Courses

IHCC	Course	ISU Equivalent
<input type="checkbox"/>	CHM 166 General Chem I	CHEM 177+L
<input type="checkbox"/>	CHM 176 General Chem II	CHEM 178+L
<i>Taking CHM 157, CHM 158, and CHM 159 will also transfer as CHEM 177+L and CHEM 178+L.</i>		
<input type="checkbox"/>	CHM 251 Organic Chem I	CHEM 2T**
<input type="checkbox"/>	CHM 252 Organic Chem II	CHEM 2T**
<input type="checkbox"/>	CHM 253 Organic Chem III	CHEM 2T**
	Organic Chem Lab	

ATTENTION! Students who take the sequence of CHM 251, 252, and 253 receive credit for CHEM 331/332+labs (full year of organic).

Recommended Math Courses

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

Recommended Physics Courses

IHCC	Course	ISU Equivalent
<input type="checkbox"/>	PHY 101 Physics	PHYS 1T**
<input type="checkbox"/>	PHY 102 Physics Lab	PHYS 1T**

NOTE! Taking the above physics courses at IHCC is not recommended for students who need a full year of physics for their career path. The only option for students needing a full year at IHCC is to take PHY 200, PHY 201, and PHY 202 (classical physics).

Students may take additional life science courses at IHCC to explore an interest area. Such courses will be considered electives within the Biology major, but may be used for a second major or 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

IHCC	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

CLS 222, HIS 257, LIT 190, PSY 226, SOC 115, SOC 261, SOC 280

Suggested International Perspective Courses

ANT 105, CLS 150, CLS 155, HIS 110, HIS 111, HUM 135, LIT 140, MUS 100, 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

IHCC	Course	ISU Equivalent
<input type="checkbox"/>	CLS 175 Native Am. Studies	AM IN 210
<input type="checkbox"/>	CLS 185 Iowa Cultural Hist	HUM 2T**
<input type="checkbox"/>	DRA 101 Intro Theatre	THRE 106
<input type="checkbox"/>	DRA 110 Intro to Film	ENGL 237
<input type="checkbox"/>	HIS 110 Western Civ I	HIST 201
<input type="checkbox"/>	HIS 151 American Hist I	HIST 221
<input type="checkbox"/>	HUM 205 The Hero	HUM 2T**
<input type="checkbox"/>	LIT 101 Intro to Literature	ENGL 201
<input type="checkbox"/>	LIT 150 World Literature	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

IHCC	Course	ISU Equivalent
<input type="checkbox"/>	ANT 105 Cultural Anthro	ANTHR 201
<input type="checkbox"/>	CRJ 100 Intro Criminal Just.	CJ 240
<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 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"/>	SOC 110 Intro Sociology	SOC 134
<input type="checkbox"/>	SOC 115 Social Problems	SOC 235
<input type="checkbox"/>	SOC 240 Criminology	CJ 242