

# 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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## Biology Transfer Checklist

### *Western Iowa Technical Community College (WITCC)*

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

WITCC	Course	ISU Equivalent
<input type="checkbox"/> BIO 116	General Biology IB	BIOL 2T**
<input type="checkbox"/> BIO 117	General Biology IIB	BIOL 2T**

**ATTENTION!** To receive credit for BIOL 211/L and BIOL 212/L, students must complete **both** BIO 116 and BIO 117

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

WITCC	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 331L

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

WITCC	Course	ISU Equivalent
<input type="checkbox"/> MAT 156	Statistics	STAT 104
	-or-	
	MAT 157 Statistics	STAT 101
<input type="checkbox"/> MAT 211	Calculus I	MATH 165

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

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

WITCC	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 WITCC 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

WITCC	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

LIT 105, LIT 133, PSY 261, SOC 115, SOC 200

#### Suggested International Perspective Courses

ANT 105, ART 203, HIS 110, HIS 111, HIS 211, LIT 150, MUS 100, MUS 202, 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

WITCC	Course	ISU Equivalent
<input type="checkbox"/>	ART 203 Art History I	ART H 280
<input type="checkbox"/>	DRA 101 Intro to Theatre	THTRE 106
<input type="checkbox"/>	HIS 110 Western Civ I	HIST 201
<input type="checkbox"/>	HIS 111 Western Civ II	HIST 202
<input type="checkbox"/>	HIS 151 U.S. History to 1877	HIST 221
<input type="checkbox"/>	HIS 211 Modern Asian Hist	HIST 2T**
<input type="checkbox"/>	LIT 101 Intro to Literature	ENGL 201
<input type="checkbox"/>	LIT 133 Minority Voices	ENGL 2T**
<input type="checkbox"/>	LIT 140 British Lit I	ENGL 225
<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

WITCC	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 121 Int'l Relations	POL S 251
<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 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**