

# 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

*Des Moines Area Community College (DMACC)*

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

DMACC	Course	ISU Equivalent
<input type="checkbox"/> BIO 112	General Biology I	BIOL 2T**
<input type="checkbox"/> BIO 113	General Biology II	BIOL 2T**

**ATTENTION!** When **both** BIO 112 and BIO 113 are taken, they will transfer as our BIOL 211+L and BIOL 212+L

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

DMACC	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 263	Organic Chemistry I	CHEM 331 CHEM 333L
<input type="checkbox"/> CHM 273	Organic Chemistry II	CHEM 332 CHEM 334L

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

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

**NOTE!** Take either MAT 141 or MAT 157, not both.

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

DMACC	Course	ISU Equivalent
<input type="checkbox"/> PHY 160	General Physics I	PHYS 111
<input type="checkbox"/> PHY 161	General Physics II	PHYS 112

Students may take additional life science courses at DMACC 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

DMACC	Course	ISU Equivalent
<input type="checkbox"/>	ENG 105 Composition I	ENGL 150
<input type="checkbox"/>	ENG 106 Composition II	ENGL 250
<input type="checkbox"/>	SDV 171 Library Instruction	LIB 160
<input type="checkbox"/>	SPC 101 Fund of Oral Com	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

ART 101, COM 146, HIS 257, LIT 130, LIT 190, PEH 178, PSY 261, SOC 115, SOC 200

#### Suggested International Perspective Courses

ANT 105, HIS 112, HIS 113, LIT 150, LIT 151, LIT 180, MUS 100, POL 121, POL 125, 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

DMACC	Course	ISU Equivalent
<input type="checkbox"/>	DRA 101 Intro Theatre	THRE 106
<input type="checkbox"/>	HIS 150 American Hist I	HIST 221
<input type="checkbox"/>	HIS 153 American Hist II	HIST 222
<input type="checkbox"/>	HIS 201 Iowa History	HIST 2T**
<input type="checkbox"/>	HIS 257 African Ame Hist	HIST 2T**
<input type="checkbox"/>	HUM 120 Intro to Film	ENGL 2T**
<input type="checkbox"/>	LIT 110 American Lit	ENGL 227
<input type="checkbox"/>	LIT 142 Major British Writers	ENGL 2T**
<input type="checkbox"/>	LIT 185 Contemporary Lit	ENGL 2T**
<input type="checkbox"/>	MUS 202 World Music	MUSIC 2T**
<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

DMACC	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 111 Intro Geography	S SCI 1T**
<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 163 News Media & Polit.	POL S 2T**
<input type="checkbox"/>	PSY 111 Intro Psychology	PSYCH 101
<input type="checkbox"/>	PSY 241 Abnormal Psych	PSYCH 2T**
<input type="checkbox"/>	PSY 261 Human Sexuality	HD FS 276
<input type="checkbox"/>	SOC 110 Intro Sociology	SOC 134
<input type="checkbox"/>	SOC 165 Group Dynamics	SOC 2T**
<input type="checkbox"/>	SOC 240 Criminology	SOC 2T**