

# 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

### *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 131+L     |
| <input type="checkbox"/> PHY 172 | College Physics II | PHYS 132+L     |

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<br>Comp I: Library | ENGL 150<br>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 110, HIS 211, LIT 155, MUS 100, 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      | THTRE 106      |
| <input type="checkbox"/> HIS 110 | 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 110 | American Lit       | ENGL 227       |
| <input type="checkbox"/> LIT 155 | Modern World Fict  | ENGL 2T**      |
| <input type="checkbox"/> MUS 100 | Exploring Music    | MUSIC 102      |
| <input type="checkbox"/> PHI 101 | Intro Philosophy   | PHIL 201       |
| <input type="checkbox"/> PHI 145 | 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**       |