

### Eastern Iowa Community College

### Major: Chemistry

Below are courses recommended for transfer students to take at their community college. This document is not intended to be an all-inclusive list, but a general guideline for students. It is recommended that you speak to an advisor at Iowa State at your earliest sign of wishing to transfer.

*A maximum of 65 credits from a community college may be applied to your degree at Iowa State.*

#### UNIVERSITY REQUIREMENTS

The following courses are University requirements that must be met by all undergraduate students.  
*Completion of the AA degree does not exempt LAS students from these requirements.*

#### English Proficiency

Course Name	EICC Course Number
Composition I	ENG 105
Composition II	ENG 106
Library Instruction	Take at ISU

#### U.S. Cultures and Communities / International Perspectives

Students in all majors must complete a three-credit course in U.S. Cultures and Communities, as well as a three-credit course in International Perspectives. Below is a partial listing of courses that satisfy this requirement.

U.S. Cultures and Communities Course Options at EICC	International Perspectives Course Options at EICC
<b>PSY/SOC 261</b> Human Sexuality <b>SOC 115</b> Social Problems <b>EDU 235</b> Children's Literature  The full listing of approved U.S. Cultures & Communities courses is at the following website: <a href="https://go.iastate.edu/QGEJCP">https://go.iastate.edu/QGEJCP</a>	<b>ART 101</b> Art Appreciation <b>MUS 100</b> Music Appreciation <b>POL 121</b> International Relations <b>REL 101</b> Survey of World Religions  The full listing of approved International Perspective courses is at the following website: <a href="https://go.iastate.edu/UCBQQB">https://go.iastate.edu/UCBQQB</a>

#### COLLEGE OF LIBERAL ARTS AND SCIENCES GRADUATION REQUIREMENT FOR WORLD LANGUAGE

LAS students whose first language is English are required to meet college level proficiency in one world language. That requirement can be met by three or more years of high school study in a single world language **OR** by completing the second semester of a college-level world language course. The Department of World Languages and Cultures offers a test-out examination administered each semester. Two semesters of American Sign Language are recognized by Iowa State and will meet the world language requirement. ***Students transferring with an AA degree are not exempt from this requirement.***

Have questions? Feel free to reach out to us at [discover\\_las@iastate.edu](mailto:discover_las@iastate.edu)

### LAS GENERAL EDUCATION REQUIREMENTS

Below is a partial list of course options students can take at EICC. All approved courses can be found here:

<https://go.iastate.edu/RB4J1S>

<p><b>Arts and Humanities</b> Minimum 12 credits</p>	<p><b>ART 101</b> Art Appreciation  <b>DRA 110</b> Introduction to Film  <b>EDU 235</b> Children's Literature  <b>HIS 117, 118, &amp; 119</b> West Civ.  <b>HIS 151</b> U.S. History to 1877  <b>HIS 152</b> U.S. History since 1877  <b>LIT 101</b> Intro to Literature  <b>LIT 180</b> Mythology  <b>PHI 105</b> Intro Ethics  <b>REL 101</b> Survey of World Religions</p>
<p><b>Math</b> Minimum 3 credits</p>	<p><b>MAT 110</b> Math for Liberal Arts (Primarily for non-STEM fields)  <b>MAT 121</b> College Algebra  <b>MAT 128</b> Precalculus  <b>MAT 140</b> Finite Math  <b>MAT 156</b> Statistics  <b>MAT 210</b> Calculus I  <b>MAT 216</b> Calculus II  <b>MAT 219</b> Calculus III  <b>MAT 227</b> Diff Equations w/Laplace</p>
<p><b>Natural Science</b> Minimum 8 credits</p>	<p><b>BIO 105</b> Intro Bio/w lab  <b>*BIO 114</b> General Bio I w/lab  <b>*BIO 115</b> General Bio II w/lab  <b>BIO 151</b> Nutrition  <b>BIO 157</b> Human Bio w/lab  <b>BIO 163</b> Essentials Anatomy/Physiology  <b>*BIO 168</b> Anatomy &amp; Phys. I w/lab  <b>*BIO 173</b> Anatomy &amp; Phys. II w/lab  <b>CHM 122</b> Intro to General Chem/Lab  <b>CHM 132</b> Intro to Organic and BioChem  <b>CHM 165 or 166</b> General Chem I/Lab  <b>CHM 175 or 176</b> Chemistry II /Lab  <b>CHM 261 or 263</b> Organic Chemistry/Lab  <b>CHM 271 or 273</b> Organic Chem II/Lab  <b>ENV 111/115</b> Environmental Science  <b>PHY 162</b> General Phys. I  <b>PHY 172</b> General Phys. II  <b>PHY 212</b> Classical Phys. I  <b>PHY 222</b> Classical Phys. II             *Recommend both taken</p>

### Social Sciences

Minimum 9 credits

**ANT 105** Cultural Anthropology  
**COM 140** Intro to Mass Media  
**CRJ 100** Intro to Criminal Justice  
**ECN 120** Prin. Of Macroeconomics  
**ECN 130** Prin. Microeconomics  
**PSY 111** Intro to Psychology  
**PSY 121** Developmental Psych  
**PSY 211** Psychology of Adjustment  
**PSY 223** Child and Adolescent Psych  
**PSY 241** Abnormal Psych  
**SOC 240** Criminology  
**SOC 245** Criminal Law  
**SOC 261** Human Sexuality  
**SPC 122** Interpersonal Communication

**Graduating with your Associate of Art degree?** Students with 60 transferable credits and an AA degree will have met the general education requirements in the College of Liberal Arts and Sciences and will have achieved junior standing. (2.00 GPA Min.)

### MAJOR REQUIREMENTS

All four-year plans can be found here: <https://go.iastate.edu/4EDCST>

Please note that many of your major requirements will be met during your time at Iowa State University. As you consider your transfer, we recommend connecting with an academic advisor at ISU early to be sure the courses you select at your community college fulfill degree requirements.

The following courses should be considered as part of the coursework while earning an AA Degree at Eastern Iowa Community College.

### Chemistry

\*An AS degree will allow more of the Science and Math credits toward a Chemistry major. General Education credits can be taken Junior and Senior years.

B.A.

— MAT 210  
 — MAT 216  
 — CHM 165 or CHM 166  
 — CHM 175 or CHM 176  
 — CHM 261\* or 263\*  
 — CHM 271\* or 273\*  
 — PHY 212  
 — PHY 222  
 \*May prefer to wait to take at Iowa State

B.S.

In addition to above:

— MAT 219 (MATH 2650)

For Teacher Education Option in addition to above:

— POL 111 or HIS 151 or HIS 152  
 — PSY 121  
 — PSY 281  
 — EDU 213  
 — SPC 112