**Iowa Central Community College Transfer Guide**

**Iowa Central Community College/Iowa State University**

**Department of Agriculture and Biosystems Engineering**

**Industrial Technology**

ICCC Catalog; ISU 2014-2015 Catalog

* This course list is meant to act as a *guide* - accepted courses are subject to change. Please contact an ABE advisor (<http://www.abe.iastate.edu/undergraduate-students/advising-for-ast-i-tech/>) for the most up-to-date course information.
* To compare ISU courses with transfer courses from ICCC, you can access the transfer equivalency guide at: <http://www.admissions.iastate.edu/equiv/index.php?state=iowa>.

**Recommended Core Courses for Industrial Technology.**

**Options are available for *Manufacturing* or *Occupational Safety*.**

***ICCC Courses* Title Cr. *ISU Course***

**Interpersonal and Public Communication Skills**

|  |  |  |  |
| --- | --- | --- | --- |
| ENG 105 | Composition I | 3 | ENGL 150 |
|  | Composition I: Library | R | LIB 160 |
| ENG 106 | Composition II | 3 | ENGL 250 |
| SPC 101 | Fundamentals of Oral Communication | 3 | SP CM 212 |

**Mathematical, Physical, and Life Sciences**

**Math Requirement:**

- Math 151 + Math 145 (at ISU) **OR**

-Math 165 alone

|  |  |  |  |
| --- | --- | --- | --- |
| MAT 165 | Business Calculus | 3 | MATH 151 |
| MAT 210 | Calculus I | 4 | MATH 165 |
| MAT 156 | Statistics | 3 | STAT 104 |
| PHY 162 | College Physics I | 4 | PHYS 111 |
| CHM 110 | Introduction to Chemistry | 3 | CHEM 163 |
|  | **AND** |  |  |
| CHM 111 | Introduction to Chemistry Lab | 1 | CHEM 163L |
| BIO 102 | Introductory Biology | 3 | BIOL 101 |
|  | **OR** |  | Either BIO 112 or 113 will count for BIOL 211 |
| BIO 112 | General Biology I | 4 | BIOL 2T\*\* |
|  | **OR** |  |  |
| Bio 113 | General Biology II | 4 | BIOL 2T\*\* |
|  |  |  |  |

**Life Sciences**

*(3 credits needed)*

For a complete list of **Life Science** courses at ISU please visit:

<http://www.agstudent.iastate.edu/agriculturestudentservices/life_science.htm>.

Compare this list with the Transfer Equivalency guide for your institution to choose your 3 credits of life sciences.

**Business, Humanities, Ethics and Social Sciences**

|  |  |  |  |
| --- | --- | --- | --- |
| ECN 130 | Principles of Microeconomics | 3 | ECON 101 |
| ACC 142 | Financial Accounting | 3 | ACCT 284 |

***For Humanities, International Perspectives, and U.S. Diversity, accepted courses are subject to change. Please check with an ABE advisor for the most popular courses, how to double count courses to fulfill more than one academic requirement, and current updates.***

**Humanities**

(3 credits needed)

|  |  |  |  |
| --- | --- | --- | --- |
| MUS 104 | Exploring Music | 3 | MUSIC 102 |
| REL 105 | Introduction to Religion | 3 | RELIG 205 |
| ART 203 | Art History I | 3 | ART H 280 |
| ART 204 | Art History II | 3 | ART H 281 |
| EDU 235 | Children’s Literature | 3 | HD FS 240 |
| LIT 101 | Introduction to Literature | 3 | ENGL 201 |
| DRA 101 | Introduction to Theatre | 3 | THTRE 106 |
| PHI 145 | Introduction to Ethical Conflicts | 3 | PHIL 230 |
| HIS 112 | Western Civilization: Ancient to Early Modern | 4 | HIST 201 |
| HIS 113 | Western Civilization: Early Modern to Present | 4 | HIST 202 |
| HIS 151 | U.S. History to 1877 | 3 | HIST 221 |
| HIS 152 | U.S. History since 1877 | 3 | HIST 222 |

\* These are Humanities courses that have transferred in the past.

For a complete list of **Humanities** courses at ISU please visit:

<http://www.agstudent.iastate.edu/agriculturestudentservices/humanities.htm>

**International Perspective**

*(3 credits needed)*

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| MUS 104 | Exploring Music | 3 | | MUSIC 102 | |
| REL 105 | Introduction to Religion | 3 | | RELIG 205 | |
| ANT 105 | Cultural Anthropology | 3 | | ANTHR 201 | |
| ART 203 | Art History I | 3 | ART H 280 | |
| ART 204 | Art History II | 3 | ART H 281 | |
| HIS 112 | Western Civilization: Ancient to Early Modern | 4 | HIST 201 | |
| HIS 113 | Western Civilization: Early Modern to Present | 4 | HIST 202 | |
| POL 121 | International Relations | 3 | | POL S 251 | |
| FLG 142 | Elementary German II\* | 4 | | GER 102 | |
| FLS 142 | Elementary Spanish II\* | 4 | | SPAN 102 | |
|  | *\* or higher level of foreign language course* |  | |  | |

\* These are International Perspectives courses that have transferred in the past.

For a complete list of **International Perspective** courses at ISU please visit:

<http://www.registrar.iastate.edu/students/div-ip-guide/IntlPerspectives-current>

For a complete list of non-equivalent transfer courses approved for use as International Perspectives please visit:

http://www.registrar.iastate.edu/sites/default/files/uploads/courses/TransferIP.pdf

**U.S. Diversity**

*(3 credits needed)*

|  |  |  |  |
| --- | --- | --- | --- |
| EDU 235 | Children’s Literature | 3 | HD FS 240 |
| SOC 115 | Social Problems | 3 | SOC 235 |

\* These are U.S. Diversity courses that have transferred in the past.

For a complete list of **U.S. Diversity** courses at ISU please visit:

<http://www.registrar.iastate.edu/students/div-ip-guide/usdiversity-courses>

For a complete list of non-equivalent transfer courses approved for use as U.S. Diversity Requirement please visit:

http://www.registrar.iastate.edu/sites/default/files/uploads/courses/TransferDiv.pdf

**Technology Core**

When taken together these courses will transfer as TSM 115

|  |  |  |  |
| --- | --- | --- | --- |
| MAT 180 | Engineering Problems |  | TSM 115 |
| CIS 162 | C++ |  |  |

**Option Core for Management**

|  |  |  |  |
| --- | --- | --- | --- |
| AGB 330 | Farm Business Management | 3 | ECON 230 |

***A MAXIMUM OF 65 COMMUNITY COLLEGE CREDITS CAN BE APPLIED TOWARDS YOUR MAJOR***

***AT IOWA STATE UNIVERSITY***