**Southeastern Community College Transfer Guide**

**Southeastern Community College/Iowa State University**

**Department of Agriculture and Biosystems Engineering**

**Industrial Technology**

SECC 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 SECC, 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*.**

***SECC Courses* Title Cr. *ISU Course***

**Interpersonal and Public Communication Skills**

|  |  |  |  |
| --- | --- | --- | --- |
| ENG 105 | Composition I | 3 | ENGL 150 |
| ENG 106 | Composition II | 3 | ENGL 250 |
| SPC 112 | Public Speaking | 3 | SP CM 212 |

**Math Requirement:**

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

-Math 165 alone

**Mathematical, Physical, and Life Sciences**

|  |  |  |  |
| --- | --- | --- | --- |
| MAT 165 | Business Calculus | 3 | MATH 151 |
| MAT 210 | Calculus I | 4 | MATH 165 |
| PHY 160 | General Physics I  | 5 | PHYS 111 |
| MAT 156Credit in CHEM 177&177L will meet the requirement for CHEM 163&163L | Statistics | 3 | STAT 104 |
| CHM 165 | General Chemistry I | 4 | CHEM 177 |
|  | General Chemistry I Lab | 1 | CHEM 177L |
| BIO 109 | Concepts of Life | 4 | 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 | 4 | 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 100 | Music Appreciation | 3 | MUSIC 102 |
| REL 101 | Survey of World’s Religions | 3 | RELIG 205 |
| ART 203 | Art History I | 3 | ART H 280 |
| ART 204 | Art History II | 3 | ART H 281 |
| LIT 101 | Introduction to Literature | 3 | ENGL 201 |
| LIT 105 | Children’s Literature | 3 | HD FS 240 |
| HIS 131 | World Civilization I | 3 | HIST 201 |
| HIS 132 | World Civilization II  | 3 | HIST 202 |
| HIS 151 | U.S. History to 1877 | 3 | HIST 221 |
| HIS 152 | U.S. History since 1877 | 3 | HIST 222 |
| PHI 101 | Introduction to Philosophy | 3 | PHIL 201 |
| PHI 105 | Introduction to Ethics | 3 | PHIL 230 |
|  |  **OR** |  |  |
| PHI 122 | Philosophy of Contemporary Issues | 3 | PHIL 230 |
| DRA 101 | Introduction to Theatre | 3 | THTRE 106 |

\* 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 100 | Music Appreciation | 3 | MUSIC 102 |
| REL 101 | Survey of World Religions | 3 | RELIG 205 |
| ART 203 | Art History I | 3 | ART H 280 |
| ART 204 | Art History II | 3 | ART H 281 |
| HIS 131 | World Civilization I | 3 | HIST 201 |
| HIS 132 | World Civilization II  | 3 | HIST 202 |
| FLF 142 | Elementary French II\* | 4 | FRNCH 102 |
| FLG 142 | Elementary German II\* | 4 | GER 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 247 | Teaching Exceptional Learners | 3.5 | SP ED 250 |
| LIT 105 | 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

**Option Core for Management**

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

**Option Core for Machine Systems**

|  |  |  |  |
| --- | --- | --- | --- |
| CSC 140 | Computer Fundamentals | 3.5 or 4 | TSM 216 |
| MFG 546 | Statics/Strength of Materials | 3 | TSM 443 |

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

***AT IOWA STATE UNIVERSITY***