**Iowa Valley (Marshalltown & Ellsworth) Community College Transfer Guide**

**Iowa Valley Community College/Iowa State University**

**Department of Agriculture and Biosystems Engineering**

**Industrial Technology**

IVCC 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 IVCC, 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*.**

***IVCC 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 |

**Mathematical, Physical, and Life Sciences**

**Math Requirement:**

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

-Math 165 alone

|  |  |  |  |
| --- | --- | --- | --- |
| MAT165 | Business Calculus | 3 | MATH 151 |
| MAT 210 | Calculus I | 4 | MATH 165 |
| PHY 162 | College Physics I | 4 | PHYS 111 |
| MAT 156 | Statistics | 3 | STAT 104 |
| CHM 122 | Introduction to General Chemistry | 3 | CHEM 163 |
|  | Introduction to General Chemistry Lab | 1 | CHEM 163L |
| BIO 111 | General Biology | 3 | BIOL 211 |
|  |  **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 121 | Principles of 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 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 |
| EDU 235 | Children’s Literature | 3 | HD FS 240 |
| 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 |
| LIT 101 | Introduction to Literature | 3 | ENGL 201 |
| PHI 101 | Introduction to Philosophy | 3 | PHIL 230 |
| PHI 105 | Introduction to Ethics | 3 | PHIL 230 |
| DRA 102 | Elements of Theatre | 3  | THTRE 106 |
| FLS 241\* | Intermediate Spanish I\* | 4 | SPAN 201 |
| FLS 242\* | Intermediate Spanish II\* | 4 | SPAN 202 |
|  | *\* or higher level of foreign language course* |  |  |

\* 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 |
| 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 |
| FLR 142 | Elementary Russian II\* | 4 | RUS 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 245 | Exceptional Learner | 3 | SP ED 250 |
| 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

**Option Core for Machine Systems**

|  |  |  |  |
| --- | --- | --- | --- |
| EGT 128 | Statics | 3 | TSM 443 |

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

***AT IOWA STATE UNIVERSITY***