**Kirkwood Community College Transfer Guide**

**Kirkwood Community College/Iowa State University**

**Department of Agriculture and Biosystems Engineering**

**Industrial Technology**

KCC 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 KCC, 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*.**

***KCC Courses* Title Cr. *ISU Course***

**Interpersonal and Public Communication Skills**

|  |  |  |  |
| --- | --- | --- | --- |
| ENG 105 | Composition I | 3 | ENGL 150 |
|  |  | R | LIB 160 |
| ENG 106 | Composition II | 3 | ENGL 250 |
|  | **OR** |  |  |
| ENG 108 | Composition II: Technical Writing | 3 | ENGL 250 |
| SPC 101 | Fundamentals of Oral Communication | 3 | SP CM 212 |
|  | **OR** |  |  |
| 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

|  |  |  |  |
| --- | --- | --- | --- |
| MAT 165 | Business Calculus | 3 | MATH 151 |
| MAT 210  Credit in CHEM 177&177L will meet the requirement for CHEM 163&163L | Calculus I | 4 | MATH 165 |
| PHY 160 | College Physics I | 5 | PHYS 111 |
| CHM 165 | General Chemistry I | 4 | CHEM 177 |
|  | General Chemistry I Lab | 1 | CHEM 177L |
| BIO 104 | Introductory Biology w/lab | 3 | BIOL 101 |
|  | **OR** |  | Either BIO 112 or 113 will count for BIOL 211 |
| Bio 112 | General Biology I w/lab | 4 | BIOL 2T\*\* |
|  | **OR** |  |  |
| Bio 113 | General Biology II w/lab | 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 152 | 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 Religions | 3 | RELIG 205 |
| HIS 254 | American Indian History | 3 | AM IN 210 |
| ART 203 | Art History I | 3 | ART H 280 |
| ART 204 | Art History II | 3 | ART H 281 |
| DRA 101 | Introduction to Theatre | 3 | THTRE 106 |
| HIS 151 | U.S. History to 1877 | 3 | HIST 221 |
| HIS 152 | U.S. History since 1877 | 3 | HIST 222 |
| HIS 291 | History of Science | 3 | HIST 281 |
| LIT 105 | Children’s Literature | 3 | HD FS 240 |
| PHI 101 | Introduction to Philosophy | 3 | PHIL 201 |
| PHI 105 | Introduction to Ethics | 3 | PHIL 230 |

\* 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 | | |
| POL 121 | International Relations | | 3 | | | POL S 251 |
| POL 125 | Comparative Government & Politics | | 3 | | | POL S 241 |
| FLF 142 | Elementary French II\* | | 4 | | | FRNCH 102 |
| FLS 142 | Elementary Spanish II\* | | 4 | | | SPAN 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)*

|  |  |  |  |
| --- | --- | --- | --- |
| DSV 200 | Exceptional Persons | 3 | SP ED 250 |
| HIS 254 | American Indian History | 3 | AM IN 210 |
| LIT 105 | Children’s Literature | 3 | HD FS 240 |
| PSY 261 | Human Sexuality | 3 | HD FS 276 |
| REL 140 | Religion in the US | 3 | RELIG 210 |
| 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**

|  |  |  |  |
| --- | --- | --- | --- |
| DRF 142 | Engineering Design I | 3 | TSM 116 |
|  | **OR** |  |  |
| DRF 143 | Engineering Design II | 3 | TSM 216 |

**Option Core for Management**

|  |  |  |  |
| --- | --- | --- | --- |
| AGP 333 | Precision Farming Systems | 3 | TSM 333 |
| AGB 330 | Farm business Management | 3 | ECON 230 |

**Option Core for Machinery**

|  |  |  |  |
| --- | --- | --- | --- |
| AGP 333 | Precision Farming Systems | 3 | TSM 333 |
| MFG 202 | Manufacturing Processes | 2 | TSM 240 |
| EGT 146 | Hydraulics | 3 | TSM 337 |

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

**AT IOWA STATE UNIVERSITY**