**North Iowa Area Community College Transfer Guide**

**North Iowa Area Community College/Iowa State University**

**Department of Agriculture and Biosystems Engineering**

**Industrial Technology**

NIACC 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 NIACC, 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*.**

***NIACC Courses* Title Cr. *ISU Course***

**Interpersonal and Public Communication Skills**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| ENG 102\* | Composition and Speech I | 4 | | ENGL 150 |
|  |  | 2 | | SP CM 212 |
| ENG 103\* | Composition and Speech II | 4 | | ENGL 250 |
|  |  | R | | LIB 160 |
| *\* When ENGL 102 and ENGL 103 are both taken, the four courses listed above will transfer.* | | | | |
| ENG 105 | Composition I | | 3 | ENGL 150 |
| ENG 106 | Composition II | | 3 | ENGL 250 |
| SPC 111 | 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 | Calculus (Business) | 3 | MATH 151 |
| MAT 210 | Calculus I | 4 | MATH 165 |
| PHY 162  Credit in CHEM 177&177L will meet the requirement for CHEM 163&163L | College Physics I | 4 | PHYS 111 |
| MAT 156 | Introduction to Statistics | 3 | STAT 104 |
| CHM 151 | College Chemistry I | 4 | CHEM 163 |
|  | College Chemistry I Lab | 1 | CHEM 163L |
| BIO 102 | Introductory Biology | 3 | BIOL 101 |
|  | **OR** |  | Either BIO 202 or 203 will count for BIOL 211 |
| Bio 202 | Biology I | 4 | BIOL 2T\*\* |
|  | **OR** |  |  |
| Bio 203 | 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 I | 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 |
| 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 |
| PHI 101 | Introduction to Philosophy | 3 | PHIL 201 |
| PHI 105 | Introduction to Ethics | 3 | PHIL 230 |
| DRA 119 | Introduction to Theatre, TV and Film | 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 |
| 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 |
| 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 |
| EDU 246 | Including Diverse Learners | 3 | SP ED 250 |
| 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**

|  |  |  |  |
| --- | --- | --- | --- |
| ELT 790 | Fluid Power | 3 | TSM 337 |

**Option Core for Machinery**

Both must be taken to earn credit for ECON 230

|  |  |  |  |
| --- | --- | --- | --- |
| AGB 213 | Ag Real Estate Evaluation |  |  |
| AGB 465 | Ag Finance Management | 4 | ECON 230 |

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

***AT IOWA STATE UNIVERSITY***