**DMACC Transfer Guide**

**DMACC/Iowa State University**

**Department of Agriculture and Biosystems Engineering**

**Industrial Technology**

DMACC 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 DMACC, 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*.**

***DMACC 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 101 | Fundamentals of Oral Communication | 3 | SP CM 212 |
| SDV 171 | Library Instruction | 1 | LIB 160 |

**Mathematical, Physical, and Life Sciences**

**Math Requirement:**

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

-Math 165 alone

|  |  |  |  |
| --- | --- | --- | --- |
| MAT 166 | Calculus for Business/Social Science | 4 | MATH 151 |
| MAT 211 | Calculus I | 5 | MATH 165 |
| PHY 160Credit in CHEM 177&177L will meet the requirement for CHEM 163&163L | General 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 | 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**

|  |  |  |  |
| --- | --- | --- | --- |
| AGB 101 | Agricultural Economics | 3 | ECON 101 |
|  |  **OR** |  |  |
| ECN 130 | Principles of Microeconomics | 3 | ECON 101 |
| ACC 131 | 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 Electives**,

Select from CALS-approved list (3 credits required)

|  |  |  |  |
| --- | --- | --- | --- |
| DRA 101 | Introduction to Theatre | 3  | THTRE 106 |
| HIS 112 | West Civ: Ancient to Early Modern | 4 | HIST 201 |
| HIS 113 | West Civ: Early Modern to Present | 4 | HIST 202 |
| HIS 150 | U.S. History to 1877 | 4 | HIST 221 |
| HIS 153 | U.S. History since 1877 | 4 | HIST 222 |
| LIT 101 | Intro to Literature | 3 | ENGL 201 |
| MUS 100 | Music Appreciation | 3 | MUSIC 102 |
| PHI 101 | Introduction to Philosophy | 3 | PHIL 201 |
| PHI 105 | Introduction to Ethics | 3 | PHIL 230 |
| REL 101 | Survey of World Religions | 3 | RELIG 205 |

\* 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)*

|  |  |  |  |
| --- | --- | --- | --- |
| ANT 105 | Cultural Anthropology | 3 | ANTHR 201 |
|  |  **OR** |  |  |
| ANT 110 | Faces of Culture | 3 | ANTHR 201 |
| FLC 142 | Elementary Chinese II | 4 | CHIN 102 |
| FLC 241 | Intermediate Chinese I | 4 | CHIN 201 |
| FLC 242 | Intermediate Chinese II | 4 | CHIN 202 |
| FLF 152 | Elementary French II | 5 | FRNCH 102 |
| FLF 241 | Intermediate French I | 4 | FRNCH 201 |
| FLF 242 | Intermediate French II | 4 | FRNCH 202 |
| FLG 142 | Elementary German II | 4 | GER 102 |
| FLG 241 | Intermediate German I | 4 | GER 201 |
| FLG 242 | Intermediate German II | 4 | GER 202 |
| FLS 152 | Elementary Spanish II | 5 | SPAN 102 |
| FLS 241 | Intermediate Spanish I | 4 | SPAN 201 |
| FLS 242 | Intermediate Spanish II | 4 | SPAN 202 |
|  | ***\* or higher level of foreign language course*** |  |  |
| HIS 112 | Western Civ: Ancient to Early Modern | 4 | HIST 201 |
| HIS 113 | Western Civ: Early Modern to Present | 4 | HIST 202 |
| MUS 100 | Music Appreciation | 3 | MUSIC 102 |
| POL 121 | International Relations | 3 | POL S 251 |
| POL 125 | Comparative Government & Politics | 3 | POL S 241 |
| REL 101 | Survey of World Religions | 3 | RELIG 205 |

\* 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)*

|  |  |  |  |
| --- | --- | --- | --- |
| LIT 105 | Children’s Literature | 3 | HD FS 240 |
| PSY 261 | Human Sexuality | 3 | HD FS 276 |
| 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**

|  |  |  |  |
| --- | --- | --- | --- |
| CAD 139Both CAD Courses must be taken to gain credit for TSM 116 | Intro to CAD/CAM | 3 | TSM 116 |
| CAD 184 | Solidworks for Die Design | 3 |  |
|  |  |  |  |
| MGT 164 | Total Quality Management | 3 | TSM 310 |
|  |  |  |  |
|  |  |  |  |
| EGR 150Either sequence of courses must be taken together to gain credit for TSM 115. | Engineering FORTRAN | 3 | TSM 115 |
| EGR 161 | Engineering Computations |  |  |
| EGR 155 | Engineering C/C++ | 3 | TSM 115 |
| EGR 161 | Engineering Computations |  |  |

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

**AT IOWA STATE UNIVERSITY**