Des Moines Area Community College / Iowa State University
Department of Natural Resource Ecology and Management

Forestry major

DMACC 2015-2016 Catalog; ISU 2015-2016 Catalog

Recommended Core Courses for all Forestry options:

<table>
<thead>
<tr>
<th>DMACC Course</th>
<th>Title</th>
<th>Cr</th>
<th>ISU Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 105</td>
<td>Composition I</td>
<td>3</td>
<td>Engl 150</td>
</tr>
<tr>
<td>ENG 106</td>
<td>Composition II</td>
<td>3</td>
<td>Engl 250</td>
</tr>
<tr>
<td>SDV 171</td>
<td>Library Instruction</td>
<td>1</td>
<td>Lib 160</td>
</tr>
<tr>
<td>SPC 101</td>
<td>Fundamentals of Oral Communication</td>
<td>3</td>
<td>Sp Cm 212</td>
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</table>

**Communications**

<table>
<thead>
<tr>
<th>DMACC Course</th>
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<tbody>
<tr>
<td>AGA 154</td>
<td>Fundamentals of Soil Science</td>
<td>3</td>
<td>Agron 154</td>
</tr>
<tr>
<td>BIO 112*</td>
<td>General Biology I &amp; Lab</td>
<td>4</td>
<td>Biol 211/211L</td>
</tr>
<tr>
<td>CHM 165</td>
<td>General/Inorganic Chemistry I &amp; Lab</td>
<td>4</td>
<td>Chem 177/177L</td>
</tr>
<tr>
<td>ENV 115</td>
<td>Environmental Science</td>
<td>3</td>
<td>NREM 120</td>
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**Science/Math**

<table>
<thead>
<tr>
<th>DMACC Course</th>
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<th>ISU Course</th>
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<tbody>
<tr>
<td>MAT 121</td>
<td>College Algebra</td>
<td>4</td>
<td>Math 140</td>
</tr>
<tr>
<td>OR</td>
<td>Pre-calculus</td>
<td>5</td>
<td>Math 140 + 145</td>
</tr>
<tr>
<td>MAT 157</td>
<td>Statistics</td>
<td>4</td>
<td>Stat 101</td>
</tr>
<tr>
<td>OR</td>
<td>Business Statistics</td>
<td>4</td>
<td>Stat 101</td>
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**Ethics**

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<tbody>
<tr>
<td>PHI 105</td>
<td>Introduction to Ethics</td>
<td>3</td>
<td>Phil 230</td>
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</table>

**U.S. Diversity**

<table>
<thead>
<tr>
<th>DMACC Course</th>
<th>Title</th>
<th>Cr</th>
<th>ISU Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>EDU 245</td>
<td>Exceptional Learner</td>
<td>3</td>
<td>Sp Ed 250</td>
</tr>
<tr>
<td>LIT 105</td>
<td>Children’s Literature</td>
<td>3</td>
<td>HD FS 240</td>
</tr>
<tr>
<td>PSY 261</td>
<td>Human Sexuality</td>
<td>3</td>
<td>HD FS 276</td>
</tr>
<tr>
<td>SOC 115</td>
<td>Social Problems</td>
<td>3</td>
<td>Soc 235</td>
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</table>

**International Perspective**

<table>
<thead>
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<th>Cr</th>
<th>ISU Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>AGC 420</td>
<td>Agricultural Issues</td>
<td>3</td>
<td>Globe 220</td>
</tr>
</tbody>
</table>
ANT 105  Cultural Anthropology  
ANT 110  Faces of Culture  
FLA 142*  Elementary Arabic II  
FLC 142*  Elementary Chinese II  
FLF 152*  Elementary French II  
FLG 142*  Elementary German II  
FLS 152*  Elementary Spanish II  
*or higher level foreign language course  
GLS 235  Intro to International Studies  
HIS 112  Western Civilization: Ancient to Early Modern  
HIS 113  Western Civilization: Early Modern to Present  
MUS 100  Music Appreciation  
POL 121  International Relations  
POL 125  Comparative Government & Politics  
REL 101  Survey of World Religions  
Social Science  
SOC 110  Introduction to Sociology  
Humanities  
(choose one course)  
DRA 101  Introduction to Theatre  
HIS 112  Western Civilization: Ancient to Early Modern  
HIS 113  Western Civilization: Early Modern to Present  
HIS 150  American History: US History to 1877  
HIS 153  American History: US History 1877 to Present  
LIT 101  Introduction to Literature  
LIT 110  American Literature to Mid-1800s  
LIT 111  American Literature since Mid-1800s  
MUS 100  Music Appreciation  
PHI 101  Introduction to Philosophy  
PHI 105  Introduction to Ethics  
REL 101  Survey of World Religions  
Practical Work Experience  
The NREM program also requires all undergraduates to complete a practical work experience –  
NREM 104. This is a non-credit requirement which may be completed prior to attending ISU  
(but, after graduation from high school). Typically, this involves 400 hours of work in a career-  
related position. The intent is to give the student a better idea of the employment opportunities  
and conditions in the field of natural resources. We offer placement assistance for students  
looking to complete this requirement. If you are planning to transfer to ISU, feel free to contact  
us for additional information and assistance in this area.
Additional Courses by Forestry option:

**Forest Ecosystem Management Option**

**Required:**
- BIO 113* General Biology II and Lab 4 Biol 212/212L
  *In order to transfer as Biol 211/211L and Biol 212/212L, both BIO 112 and 113 must be taken*
- MAT 166 Calculus for Business/Social Science 4 Math 151

**Interpretation of Natural Resources Option**

**Required:**
- BIO 113* General Biology II and Lab 4 Biol 212/212L
  *In order to transfer as Biol 211/211L and Biol 212/212L, both BIO 112 and 113 must be taken*

**Natural Resource Conservation and Restoration Option**

**Required:**
- BIO 113* General Biology II and Lab 4 Biol 212/212L
  *In order to transfer as Biol 211/211L and Biol 212/212L, both BIO 112 and 113 must be taken*
- MAT 166 Calculus for Business/Social Science 4 Math 151

**Sustainable Materials Science and Technology Option**

**Required:**
- MAT 166 Calculus for Business/Social Science 4 Math 151

**Restricted Elective:**
- MGT 164 Total Quality Management 3 TSM 310

**Urban and Community Forestry Option**

**Required:**
- BIO 113* General Biology II and Lab 4 Biol 212/212L
  *In order to transfer as Biol 211/211L and Biol 212/212L, both BIO 112 and 113 must be taken*
- MAT 166 Calculus for Business/Social Science 4 Math 151

A total of 65 community college credits can be transferred to Iowa State University

**More information:**
- NREM Student Information
- College of Agriculture and Life Sciences Student Information
- ISU Transfer Course Equivalency Guides
- ISU Transfer Student Admissions