# Freshman Curricula 2012–2013

## College of Science

### Freshman Section APHY  
**Applied Physics**

<table>
<thead>
<tr>
<th>Year 1 FL</th>
<th>Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>PHYS 1000</td>
<td>Physics at NU</td>
<td></td>
</tr>
<tr>
<td>ENGL 1111</td>
<td>College Writing</td>
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</tr>
</tbody>
</table>
| PHYS 1161 | Physics 1 | Coreq(s): PHYS 1162
| PHYS 1162 Lab for PHYS 1161 | | Coreq(s): PHYS 1161
| MATH 1341 Calculus 1 for Sci/Engin | | |
| Elective | | |

**Yr 1 SP**

<table>
<thead>
<tr>
<th>Course</th>
<th>Notes</th>
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<tbody>
<tr>
<td>PHYS 1165 Physics 2</td>
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</table>
| PHYS 1166 Lab for PHYS 1165 | Coreq(s): PHYS 1165
| MATH 1342 Calculus 2 for Sci/Engin. | |
| Elective | |
| ENGr Prob Sov & Comp | |

### Freshman Section BENS  
**Behavioral Neuroscience**

<table>
<thead>
<tr>
<th>Year 1 FL</th>
<th>Course</th>
<th>Notes</th>
</tr>
</thead>
<tbody>
<tr>
<td>BENS 1000</td>
<td>Behavioral Neuroscience at NU</td>
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</tr>
<tr>
<td>PSYC 1101</td>
<td>Foundations of Psychology</td>
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</tr>
</tbody>
</table>
| BIOL 1101 Principles of Biology 1 | Coreq(s): BIOL 1102
| BIOL 1102 Lab for BIOL 1101 | Coreq(s): BIOL 1101
| MATH 1241 Calculus 1 | |
| CHEM 1211 General Chemistry 1 | Coreq(s): CHEM 1212, CHEM 1213
| CHEM 1212 Lab for CHEM 1211 | Coreq(s): CHEM 1211, CHEM 1213
| CHEM 1213 Recitation for CHEM 1211 | Coreq(s): CHEM 1211, CHEM 1212
| MATH 1242 Calculus 2 | |
| CHEM 1214 General Chemistry 2 | Coreq(s): CHEM 1215, CHEM 1216
| CHEM 1215 Lab for CHEM 1214 | Coreq(s): CHEM 1214, CHEM 1216
| CHEM 1216 Recitation for CHEM 1214 | Coreq(s): CHEM 1214, CHEM 1215
| ENGL 1111 College Writing | |
| BIOL 1103 Principles of Biology 2 | Coreq(s): BIOL 1104
| BIOL 1104 Lab for BIOL 1103 | Coreq(s): BIOL 1103

### Freshman Section BENS Honors  
**Behavioral Neuroscience**

<table>
<thead>
<tr>
<th>Year 1 FL</th>
<th>Course</th>
<th>Notes</th>
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<tbody>
<tr>
<td>BENS 1000 Honors Behavioral Neuroscience at NU</td>
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<tr>
<td>PSYC 1101</td>
<td>Foundations of Psychology-HN</td>
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</tbody>
</table>
| BIOL 1101 Principles of Biology 1-HN | Coreq(s): CHEM 1212, CHEM 1213
| BIOL 1102 Lab for BIOL 1101-HN | Coreq(s): CHEM 1211, CHEM 1213
| MATH 1241 Calculus 1-HN | |
| CHEM 1211 General Chemistry 2-HN | Coreq(s): CHEM 1215, CHEM 1216
| CHEM 1212 Lab for CHEM 1214 | Coreq(s): CHEM 1214, CHEM 1216
| CHEM 1213 Recitation for CHEM 1214 | Coreq(s): CHEM 1214, CHEM 1215
| MATH 1242 Calculus 2-HN | |
| CHEM 1214 General Chemistry 2-HN | Coreq(s): CHEM 1215, CHEM 1216
| CHEM 1215 Lab for CHEM 1214 | Coreq(s): CHEM 1214, CHEM 1216
| CHEM 1216 Recitation for CHEM 1214 | Coreq(s): CHEM 1214, CHEM 1215
| ENGL 1111 College Writing-HN | |
| BIOL 1103 Principles of Biology 2-HN | Coreq(s): BIOL 1104
| BIOL 1104 Lab for BIOL 1103-HN | Coreq(s): BIOL 1103

### Freshman Section BIMP  
**Biomedical Physics**

<table>
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<th>Year 1 FL</th>
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<tbody>
<tr>
<td>PHYS 1000</td>
<td>Physics at NU</td>
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<tr>
<td>ENGL 1111</td>
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<tr>
<td>MATH 1341 Calculus 1 for Sci/Engin</td>
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| BIOL 1101 Principles of Biology 1 | Coreq(s): BIOL 1112
| BIOL 1111 Lab for BIOL 1111 | Coreq(s): BIOL 1111
| MATH 1342 Calculus 2 for Sci/Engin. | |
| ENGr Prob Sov & Comp | |

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<thead>
<tr>
<th>Freshman Section BIOC</th>
<th>Biochemistry</th>
<th>Freshman Section BIOL</th>
<th>Biology</th>
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<tbody>
<tr>
<td>Yr 1 FL</td>
<td>BIOL 1101 Principles of Biology 1</td>
<td>Coreq(s): BIOL 1102</td>
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<tr>
<td>Yr 1 FL</td>
<td>BIOL 1102 Lab for BIOL 1101</td>
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<tr>
<td>Yr 1 FL</td>
<td>CHEM 1211 General Chemistry 1</td>
<td>Coreq(s): CHEM 1212 CHEM 1213</td>
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<tr>
<td>Yr 1 FL</td>
<td>CHEM 1212 Lab for CHEM 1211</td>
<td>Coreq(s): CHEM 1211 CHEM 1213</td>
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<td>Yr 1 FL</td>
<td>CHEM 1213 Recitation for CHEM 1211</td>
<td>Coreq(s): CHEM 1212 CHEM 1213</td>
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<td>Yr 1 FL</td>
<td>BIOC 1000 Biochemistry at NU</td>
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<tr>
<td>Yr 1 FL</td>
<td>MATH 1251 Calculus &amp; Diff Eq — Biology 1</td>
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<td>Yr 1 FL</td>
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<td>Yr 1 SP</td>
<td>BIOL 1103 Principles of Biology 2</td>
<td>Coreq(s): BIOL 1104</td>
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<td>BIOL 1104 Lab for BIOL 1103</td>
<td>Coreq(s): BIOL 1103</td>
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<td>CHEM 1214 General Chemistry 2</td>
<td>Coreq(s): CHEM 1215 CHEM 1216</td>
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<td>Coreq(s): CHEM 1214 CHEM 1216</td>
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<td>Yr 1 SP</td>
<td>CHEM 1216 Recitation for CHEM 1214</td>
<td>Coreq(s): CHEM 1214 CHEM 1215</td>
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<td>Yr 1 SP</td>
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<td>Yr 1 SP</td>
<td>MATH 1252 Calculus &amp; Diff Eq — Biology 2</td>
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<tr>
<td>Yr 1 SP</td>
<td>BIOL 1106 Introduction to Experiential Education</td>
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**Freshman Section BIOC Honors**

<table>
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<tr>
<th>Freshman Section BIOC Honors</th>
<th>Biochemistry</th>
<th>Freshman Section BIOL Honors</th>
<th>Biology</th>
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<tbody>
<tr>
<td>Yr 1 FL</td>
<td>BIOL 1101 Principles of Biology 1</td>
<td>Coreq(s): BIOL 1102</td>
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<td>Yr 1 FL</td>
<td>BIOL 1102 Lab for BIOL 1101—HN</td>
<td>Coreq(s): BIOL 1101</td>
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<td>Yr 1 FL</td>
<td>CHEM 1211 General Chemistry 1—HN</td>
<td>Coreq(s): CHEM 1212 CHEM 1213</td>
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<td>Yr 1 FL</td>
<td>CHEM 1212 Lab for CHEM 1211</td>
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<tr>
<td>Yr 1 FL</td>
<td>CHEM 1213 Recitation for CHEM 1211</td>
<td>Coreq(s): CHEM 1212 CHEM 1213</td>
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<tr>
<td>Yr 1 FL</td>
<td>MATH 1251 Calculus &amp; Diff Eq — Biology 1—HN</td>
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<tr>
<td>Yr 1 FL</td>
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<td>Yr 1 FL</td>
<td>Elective—HN</td>
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<tr>
<td>Yr 1 SP</td>
<td>BIOL 1103 Principles of Biology 2</td>
<td>Coreq(s): BIOL 1104</td>
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<tr>
<td>Yr 1 SP</td>
<td>BIOL 1104 Lab for BIOL 1103—HN</td>
<td>Coreq(s): BIOL 1103</td>
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<tr>
<td>Yr 1 SP</td>
<td>CHEM 1214 General Chemistry 2</td>
<td>Coreq(s): CHEM 1215 CHEM 1216</td>
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<tr>
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<td>CHEM 1215 Lab for CHEM 1214</td>
<td>Coreq(s): CHEM 1214 CHEM 1216</td>
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<tr>
<td>Yr 1 SP</td>
<td>CHEM 1216 Recitation for CHEM 1214</td>
<td>Coreq(s): CHEM 1214 CHEM 1215</td>
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<tr>
<td>Yr 1 SP</td>
<td>ENGL 1111 College Writing—HN</td>
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<tr>
<td>Yr 1 SP</td>
<td>BIOL 1106 Introduction to Experiential Education</td>
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<td>MATH 1252 Calculus &amp; Diff Eq — Biology 2—HN</td>
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### Freshman Section CHEM  
**Chemistry**  
**Yr 1 FL**  
- CHEM 1217 General Chemistry 1 for Majors/Honors  
  - Coreq(s): CHEM 1218, CHEM 1219  
- CHEM 1218 Lab for CHEM 1217  
  - Coreq(s): CHEM 1217, CHEM 1219  
- CHEM 1219 Recitation for CHEM 1217  
  - Coreq(s): CHEM 1217, CHEM 1218  
- MATH 1251 Calculus & Diff Eq –Biology 1  
- ENGL 1111 College Writing  
- CHEM 1000 Chemistry at NU  
- Elective  

**Yr 1 SP**  
- CHEM 1220 General Chemistry 2 for Majors/Honors  
  - Coreq(s): CHEM 1221, CHEM 1222  
- CHEM 1221 Lab for CHEM 1214  
  - Coreq(s): CHEM 1220, CHEM 1222  
- CHEM 1222 Recitation for CHEM 1214  
  - Coreq(s): CHEM 1220, CHEM 1221  
- MATH 1252 Calculus & Diff Eq –Biology 2  
- PHYS 1145 Physics for Life Sciences 1  
  - Coreq(s): PHYS 1146  
- PHYS 1146 Lab for PHYS 1145  
  - Coreq(s): PHYS 1145  
- Elective  

### Freshman Section ENVS  
**Environmental Studies**  
**Yr 1 FL**  
- ENVR 1000 Earth & Environmental Science at NU  
- BIOL 1101 Principles of Biology 1  
  - Coreq(s): BIOL 1102  
- BIOL 1102 Lab for BIOL 1101  
  - Coreq(s): BIOL 1101  
- MATH 1241 Calculus 1  
- ENVR 1101 Environmental Science  
- CHEM 1101 General Chemistry for Health Sci  
  - Coreq(s): CHEM 1102, CHEM 1103  
- CHEM 1102 Lab for CHEM 1101  
  - Coreq(s): CHEM 1101, CHEM 1103  
- CHEM 1103 Recitation for CHEM 1101  
  - Coreq(s): CHEM 1101, CHEM 1102  
- ENGL 1111 College Writing  
- Elective  

**Yr 1 SP**  
- ENVR 1112 Environmental Geology  
- MATH 1215 Mathematical Thinking  
- BIOL 1145 Environ & Humankind  
- Elective  

### Freshman Section LING  
**Linguistics**  
**Yr 1 FL**  
- LING 1150 Intro to Lang & Linguistics  
- PSYC 1101 Foundations of Psychology  
- ENGL 1111 College Writing  
- MATH 1215 Mathematical Thinking  
- ANTH 3412 Language and Culture  
- Language Requirement  
- PSYC 3464 Psychology of Language  
- Elective  

### Freshman Section MATH  
**Mathematics**  
**Yr 1 FL**  
- MATH 1341 Calculus 1 for Sci/Engin  
- MATH 1365 Introduction to Mathematical Reasoning  
- PHYS 1161 Physics 1  
  - Coreq(s): PHYS 1162  
- PHYS 1162 Lab for PHYS 1161  
  - Coreq(s): PHYS 1161  
- MATH 1000 Mathematics at NU  
- Elective  

**Yr 1 SP**  
- MATH 1342 Calculus 2 for Sci/Engin.  
- PHYS 1165 Physics 2  
  - Coreq(s): PHYS 1166  
- PHYS 1166 Lab for PHYS 1165  
  - Coreq(s): PHYS 1165  
- ENGL 1111 College Writing  
- Elective  

### Freshman Section PHYS  
**Physics**  
**Yr 1 FL**  
- PHYS 1000 Physics at NU  
- ENGL 1111 College Writing  
- PHYS 1161 Physics 1  
  - Coreq(s): PHYS 1162  
- PHYS 1162 Lab for PHYS 1161  
  - Coreq(s): PHYS 1161  
- MATH 1341 Calculus 1 for Sci/Engin  
- Elective  

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Yr 1 SP  PHYS 1165 Physics 2  
Coreq(s): PHYS 1166
Yr 1 SP  PHYS 1166 Lab for PHYS 1165  
Coreq(s): PHYS 1165
Yr 1 SP  MATH 1342 Calculus 2 for Sci/Engin.
Yr 1 SP  Elective
Yr 1 SP  GE 1111 ENGr Prob Sov & Comp

Freshman Section PSYC  
Psychology

Yr 1 FL  PSYC 1000 Psychology at NU
Yr 1 FL  PSYC 1101 Foundations of Psychology
Yr 1 FL  ENGL 1111 College Writing
Yr 1 FL  Elective
Yr 1 FL  Elective

Yr 1 SP  PSYC 3406 Abnormal Psychology
Yr 1 SP  MATH 1215 Applications of Algebra
Yr 1 SP  PSYC Undergraduate Elective
Yr 1 SP  Elective

Freshman Section PSYC Honors  
Psychology

Yr 1 FL  PSYC 1000 Psychology at NU
Yr 1 FL  PSYC 1101 Foundations of Psychology-HN
Yr 1 FL  ENGL 1111 College Writing-HN
Yr 1 FL  Elective
Yr 1 FL  Elective

Yr 1 SP  PSYC 3406 Abnormal Psychology
Yr 1 SP  MATH 1215 Applications of Algebra
Yr 1 SP  PSYC Undergraduate Elective
Yr 1 SP  Elective

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