<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
<th>Course Code</th>
<th>Course Title</th>
<th>Hrs</th>
</tr>
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<tbody>
<tr>
<td>BSC 2010</td>
<td>Integrated Principles of Biology 1 (State Core GE-B/P)</td>
<td>3</td>
<td>BSC 2011</td>
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<td>BSC 2010L</td>
<td>Integrated Principles of Biology 1 Lab (State Core GE-B/P)</td>
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<td>BSC 2011L</td>
<td>Integrated Principles of Biology 2 Lab</td>
<td>1</td>
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<tr>
<td>IUF 1000</td>
<td>What's the Good Life</td>
<td>3</td>
<td>PHY 2053</td>
<td>Physics I (or PHY 2048)</td>
<td>3-4</td>
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<tr>
<td>MAC 1147</td>
<td>Precalc: College Alg. &amp; Trig (WR)</td>
<td>3</td>
<td>PHY 2053L</td>
<td>Physics I Lab (or PHY 2048L)</td>
<td>1</td>
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<td>Total Hours</td>
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<td>14</td>
<td>Total Hours</td>
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<td>14 - 15</td>
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</tbody>
</table>

**FIRST YEAR**

**Fall Semester**

- **Course** BSC 2010: Integrated Principles of Biology 1 (State Core GE-B/P) - 3 Hrs
- **Course** BSC 2010L: Integrated Principles of Biology 1 Lab (State Core GE-B/P) - 1 Hrs
- **Course** IUF 1000: What's the Good Life - 3 Hrs
- **Course** MAC 1147: Precalc: College Alg. & Trig (WR) - 3 Hrs

**Total Hours**: 14

**Spring Semester**

- **Course** BSC 2011: Integrated Principles of Biology - 2 Hrs
- **Course** BSC 2011L: Integrated Principles of Biology 2 Lab - 1 Hrs
- **Course** PHY 2053: Physics I (or PHY 2048) - 3-4 Hrs
- **Course** PHY 2053L: Physics I Lab (or PHY 2048L) - 1 Hrs

**Total Hours**: 14 - 15

**SECOND YEAR**

**Fall Semester**

- **Course** MAC 2311: Anal. Geom./Calc I - 4 Hrs
- **Course** CHM 2045: General Chemistry I - 3 Hrs
- **Course** CHM 2045L: General Chemistry I Lab - 1 Hrs
- **Course** AEC 3033C: Writing for Ag & Nat. Res. - 3 Hrs
- **Course** Elective - 2 Hrs

**Total Hours**: 16

**Spring Semester**

- **Course** AEB 2014: Economic Issues (or ECO 2013 or ECO2023) - 3-4 Hrs
- **Course** AEC 3030C: Effective Oral Communication - 3 Hrs
- **Course** CHM 2046: General Chemistry & Quant Analysis - 3 Hrs
- **Course** CHM 2046L: General Chemistry & Quant Analysis Lab - 1 Hrs
- **Course** Elective - 3 Hrs

**Total Hours**: 16-17

**THIRD YEAR**

**Fall Semester**

- **Course** HOS 3020: Principles of Horticultural Crop Production - 3 Hrs
- **Course** CHM 2210: Organic Chemistry I - 3 Hrs
- **Course** HOS 3305: Intro. To PMCB - 3 Hrs
- **Course** AGR 3303: Genetics - 3 Hrs
- **Course** HOS4313C: Lab Methods in Plant Molecular Biology - 2 Hrs

**Total Hours**: 14

**Spring Semester**

- **Course** CHM 2211: Organic Chemistry II - 3 Hrs
- **Course** CHM 2211L: Organic Chemistry Lab - 2 Hrs
- **Course** HOS 4933: Professional Devel. in Horticulture - 1 Hrs
- **Course** Approved electives - 10 Hrs

**Total Hours**: 16

**FOURTH YEAR**

**Fall Semester**

- **Course** HOS 4304: Horticultural Physiology - 3 Hrs
- **Course** PLP 3002C: Plant Pathology - 4 Hrs
- **Course** BCH 3025: Fundamentals of Biochemistry (or BCH4024) - 4 Hrs
- **Course** Approved electives - 3 Hrs

**Total Hours**: 14

**Spring Semester**

- **Course** MCB 3020: Basic Biology of Microorganisms - 3 Hrs
- **Course** MCB 3002L: Lab for Basic Biology of Microorganisms - 1 Hrs
- **Course** AGR 4320: Plant Breeding - 3 Hrs
- **Course** Approved electives - 9 Hrs

**Total Hours**: 15

Critical Tracking Courses in Bold

*Approved Electives* - must be approved by advisor

For more information visit our website at: http://www.hos.ufl.edu