Double Major in Biology and Mathematical Sciences

(124 credits)

<table>
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<tr>
<th>First Year</th>
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<tr>
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<td>General Chemistry I</td>
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<td>CHEM 125A</td>
<td>General Chemistry Lab I</td>
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<td>FRSH SEM</td>
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<td>MATH 112</td>
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<td>Foundations of Biology: Ecology and Evolution Lab</td>
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<td>Organic Chemistry I</td>
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<td>Physics I</td>
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<td>Physics I Lab</td>
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<tr>
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<tr>
<td>or CS 101</td>
<td>Computer Programming and Problem Solving</td>
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<td>MATH 222</td>
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<td>MATH 337</td>
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<td>MATH 331</td>
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### Double Major in Biology and Mathematical Sciences

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<tr>
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### Term Credits
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#### Fourth Year

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<td>MATH 450</td>
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### Term Credits
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### Term Credits
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<tr>
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<td>Social Sciences GER (<a href="http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/social-science-ger/">http://catalog.njit.edu/undergraduate/academic-policies-procedures/general-education-requirements/social-science-ger/</a>)</td>
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### Term Credits
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### Total Credits
124

### Biology Electives

#### Concept Cluster Ecology and Evolution

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<td>R120 280</td>
<td>Ecology</td>
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#### Concept Cluster Molecular and Cellular

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<tr>
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<td>R120 356</td>
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<td>R120 360</td>
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#### Concept Cluster Functional Organism(4 cr)
### Double Major in Biology and Mathematical Sciences

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<tr>
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<td>R120 230</td>
<td>Biology Of Seed Plants</td>
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<td>R120 330</td>
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**Laboratory/ Field Experience (Four Credit Laboratories)**

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<td>R120 227</td>
<td>Biol Invertebrates</td>
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<td>Biology Of Seed Plants</td>
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<tr>
<td>R120 285</td>
<td>Comparative Vertebrate Anatomy</td>
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<td>R120 311</td>
<td>Flora of New Jersey</td>
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<td>R120 325</td>
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<td>Lab Approaches in Neuroscience</td>
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<td>BIOL 451</td>
<td>Cell Physiology and Imaging</td>
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<td>R120 452</td>
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Three Credit Laboratories

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<td>R120 380</td>
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<td>R120 381</td>
<td>Ecological History of North Am</td>
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<tr>
<td>BIOL 385</td>
<td>Evolution of Animal Behavior Laboratory</td>
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<td>BIOL 475</td>
<td>Ecological Field Methods and Analysis</td>
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**Biology Electives**

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<td>The Ecology and Evolution of Disease</td>
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<td>Conservation Biology</td>
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<td>Neural Basis of Behavior</td>
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