DEPARTMENT OF BIOLOGY      SAINT LOUIS UNIVERSITY

NAME: _______________________________________  ID #: _________________ DATE(s): _____________

Requirements for B.A. Biology Tracks

I) Degree - prerequisite courses: Completion of below courses with an average of 'C' or better*

- BIOL 104 (4)
- BIOL 106 (4)
- CHEM 163/165 (3,1)
- CHEM 164/166 (3,1)

*or equivalent course credit (i.e., AP or IB), and must be completed before taking any upper-division biology course.

II) Required Related Courses

<table>
<thead>
<tr>
<th>Biological Science Track</th>
<th>Plant Science Track</th>
<th>Ecology, Evolutionary &amp; Organismal Biology Track</th>
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<tbody>
<tr>
<td>Math 142</td>
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<td>Statistics (MATH 130 or BIOL 479)</td>
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III) Required Upper Division Biology courses (25 credit hours)

A. Biology Core Courses - all Tracks (9 credit hours)

- BIOL 301: Evolution (3)
- BIOL 302 MCB I (3)
- BIOL 303: Genetics (3)

B. Track specific courses: Biological Science Track

<table>
<thead>
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<tr>
<td>BIOL 304 MCB II (3)</td>
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<td>BIOL 475 Ecology (4)</td>
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<td>Plant course* (3/4)</td>
<td>BIOL 326 Pl &amp; Fu (4)</td>
<td>Plant course* (3/4)</td>
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<td>Lab Course# ( )</td>
<td>BIOL 349 Pl Phys (3)</td>
<td>Ecology Elective¹ (3)</td>
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<td>Elective ( )</td>
<td>BIOL 409 Pl Ecol (3)</td>
<td>Evolution Elective² (3)</td>
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<td>Elective ( )</td>
<td>BIOL 482 Internship Plant Sci (1)</td>
<td>Organismal Elective² (3/4)</td>
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<td>Elective ( )</td>
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*Plant Courses: BIOL 326 Plants and Fungi; BIOL 328 Ethnobotany; BIOL 349 Plant Phys; BIOL 345 Economic Botany, BIOL 404 Pollination; BIOL 409 Plant Ecology, BIOL 421 Biology of Orchids; BIOL 433 Spring Flora; BIOL 476 Plant Biochemistry.

#Laboratory Courses (Note, these also count toward an elective requirement): BIOL 306 Cell Biology laboratory; BIOL 326 Plants and Fungi; BIOL 342 Comparative Anatomy; BIOL 344 Embryology; BIOL 347 General Physiology Lab; BIOL 402 Vertebrate reproductive physiology; BIOL 405 Molecular Techniques Lab; BIOL 410 Natural History of the Vertebrates; BIOL 426 Biol of Amphibians and Reptiles; BIOL 428 Biol of Fishes; BIOL 431 Biol of Birds; BIOL 433 Spring Flora of the Ozarks; BIOL 435 Biol of Parasitic Organisms; BIOL 437 Animal Behavior Lab; BIOL 438 Biol of Mammals; BIOL 444 Vertebrate Histology; BIOL 461 Developmental Biology Lab; BIOL 465 General Microbiology Lab; BIOL 475 General Ecology; BIOL 479 Biometry

Note: A total of 3 hrs of Independent Study (BIOL 398) or Advanced Independent Study (498) can be counted toward the 25 upper division credits required for the BA degree, but these courses do NOT count as structured lab courses.


³Organismal Elective: BIOL 322 BIOL of Invertebrates; BIOL 326 Biol of Plants and Fungi; BIOL 328 Ethnobotany, BIOL 410 Natural History of the Vertebrates; BIOL 421 Biology of Orchids; BIOL 426 Biol of Amphibians and Reptiles; BIOL 428 Biol of Fishes; BIOL 431 Biol of Birds; BIOL 433 Spring Flora of the Ozarks; BIOL 435 Biol of Parasitic Organisms; BIOL 438 Biol of Mammals; BIOL 464 General Microbiology.

NOTE: One course cannot satisfy two requirements within a track.

IV) Recommended B.A. - related courses

- CHEM 342/344
- PHYS 131/133
- CHEM 343/345
- PHYS 132/134

NOTE: In accordance with the College of Arts and Sciences graduation requirements, a student must obtain at least a 2.00/4 overall GPA in all chemistry, mathematics, statistics, physics and other appropriate sciences, and upper-division biology courses that are required for the B.A. major degree program.

REVISED September 16, 2011