### Biology B.S. 2014-2016 Bulletin

**Name________________________**

**Id No.000_____________ Date_________**

**Anticipated Grad Date:_________**

http://biology.iupui.edu/undergraduate/degrees/bs

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#### First-year Experience Credits:
- SCI-I 120 Windows on Science (1)

#### Core Communication (C or above in ENG) 9 credits:
- English Composition I: ENG-W 131 or W140 (3)
- English Comp. II: ENG-W 230, W270, W150, (3)
- W231, W320, TCM 22000, or TCM 32000 (3)

#### Analytical Reasoning 9-11 credits:
- Calculus I (16500, 22100, or 23100) (3-4)
- Calculus II (16600, 22200, or 23200) (3-4)
- Computer Programming: CSCI-N 201, N207 (CSCI-N 200), or N211 (3)

#### Cultural Understanding * 3 credits:
- Cultural Understanding (3)

#### Life and Physical Sciences 30 credits:
- CHEM-C 105 Chemistry I (3)
- CHEM-C 125 Chemistry I Lab (2)
- CHEM-C 106 Chemistry II (3)
- CHEM-C 126 Chemistry II Lab (2)
- CHEM-C 341 Organic I (3)
- CHEM-C 343 Organic I Lab (2)
- CHEM-C 342 Organic II (3)
- CHEM-C 344 Organic II lab (2)
- PHYS-P 201 or 152 Physics I (4-5)
- PHYS-P 202 or 251 Physics II (5)

#### Arts, Humanities, and Social Sciences* 9 credits:
- Arts and Humanities (3)
- Social Sciences (3)
- Arts & Hum or Soc Sci (3)

#### Overall Credits (120):
- Comprised of ~101 required credits from above categories and ~19 elective credits. No more than 6 credits of studio, clinical, athletics, or performing arts credits.

#### Biology Major Courses 40 credits:
- Minimum Grade=C-, Minimum 2.0 Average
- _BIOL-K 101_ Biology I or K 102 (honors) SP, SU, FA (5)
- _BIOL-K 103_ Biology II or K 104 (honors) SP, SU, FA (5)

All courses below line require K103 and course noted by [ ]. All courses are offered fall and spring unless noted (subject to change).

- _BIOL-K 322_ Genetics and Molecular Biology [C106] (3)
- _BIOL-K 324_ Cell Biology [C106] (3)
- _BIOL-K 341_ Ecology and Evolution Even SP, FA (3)
- _Molecular/Cellular-_Choose one from:
  - BIOL-K 338 Immunology [C106, K322, & K324]
  - BIOL-K 483 Biological Chemistry[C342]
  - BIOL-K 484 Cellular Biochemistry[C342] SP
  - BIOL-K 416 Cell. & Molecular Neuroscience [K324]
  - BIOL 50700, 55000, 55900, 51600, 56100, 56400

- _Organismal-_Choose one from:
  - BIOL-K 331 Embryology [K322]
  - BIOL-K 356 Microbiology [C341]
  - BIOL-K 350 Comparative Animal Physio[C106] FA
  - BIOL-K 411 Global Change Biology Odd SP
  - BIOL 55600, 55700

**4 labs required** (lecture must accompany as pre or co-requisite)

Choose 4 labs from:

- K333 Embryology SP (1)
- K325 Cell Biology SP (2)
- K357 Microbiology SP (2)
- K339 Immunology SP, FA (2)
- K323 Genetics FA (2)
- K342 Ecology FA (2)

Note: if K490 is taken below, K493 may be used in lieu of one lab; Students may not take both K490 and K494

**Capstone Experience** (Senior Year):

Choose option I or 2:

**Option 1**
- K490 Capstone, 1 credit (may be done in SU)

**Option 2**
- K493 Research (must take for 2 semesters for 1-3 credits total) and K494 Thesis, 1 credit

Biology major courses to reach 40 BIO credits (no N courses): 40 minus number of BIOL-K credits above=# elective credits

- Total______

*To find the course options, visit: [http://uc.iupui.edu/UndergraduateEducation/GeneralEducationCurriculum/GeneralEducationCore.aspx](http://uc.iupui.edu/UndergraduateEducation/GeneralEducationCurriculum/GeneralEducationCore.aspx)  5/2014*