## California State Polytechnic University, Pomona <br> Degree Curriculum Sheet

| ajor) Biology |  |  |
| :---: | :---: | :---: |
| Subplan/Option Zoology |  |  |
| Required Core Courses |  |  |
| Course |  | Units |
| Foundations of Biology | BIO 122/122L | 3/2 |
| Foundations of Biology | BIO 123/123L | 3/2 |
| Biometrics | BIO 211/211L | 3/1 |
| Genetics | BIO 303 | 4 |
| Scientific Communication | BIO 490 | 1 |
|  | Total Units | 19 |


| Required Subplan/Option Core Courses |  |  |
| :--- | ---: | :---: |
| Course |  | Units |
| Cell and Molecular Biology | BIO 310 | 4 |
| Principles of Ecology | BIO 325/325L | $3 / 1$ |
| Principles of Evolution | BIO 413 | 4 |
| Intro to Invertebrate Zoology | Z00 237//337L | $3 / 2$ |
| Intro to Vertebate Zooology | Z00 238/238L | $3 / 2$ |
| Animal Physiology | Z00 428/428L | $4 / 1$ |
|  |  |  |
|  |  |  |
|  |  | Total Units |


| Elective Subplan/Option Core Courses |  |
| :--- | :--- |
| Course | Units |
| Upper division courses are selected from approved courses <br> in two clusters (see back). | 22 |
|  |  |
|  | Total Units |

Catalog Year 2011-2012
Name
Evaluator
GWT Satisfied Yes No Minimum Units Required $\quad 180$ Student ID


| The following required support courses should be taken to satisfy the <br> indicated GE Requirements to achieve the minimum units to degree listed <br> at the top of this sheet. |  |  |
| :--- | :--- | :--- |
| Course |  |  |
| Freshman English I | ENG 104 | A2 |
| Freshman English II | ENG 105 | A3 |
| General Chemistry | CHM 121/121L | B1, B3 |
| Foundations of Biology | BIO 1211121L | B2, B3 |
| Calculus for Life Sciences | MAT 120 | B4 |
| or Statistics with Applications | STA 120 | (B4) |
| Environment and Society | BIO 304 | B5 |
| or Biodiversity Conservation | BIO 340 | (B5) |
| Health, Nutrition \& Integrated Being | FN 203 | E |
| or General Psychology | PSY 201 | (E) |
| or Mind, Brain \& Behavior: Integrated View | PSY 210 | (E) |
| or Sci. and Mathematics: Freshmen Exp. I and Exp. II SCI 101/101A \& SCI 102/102A | (E) |  |
| The remaining GE requirements may be satisfied by any course approved for that area. |  |  |

No more than 105 community college quarter units or 36 extension credit quarter units may be applied toward a Bachelor's degree.
A minimum 2.0 cumulative GPA is required in core (including option) courses, Cal Poly Pomona courses, and overall work completed in order to receive a degree in this major.

22 units of upper division courses must be completed from approved courses included in one of two clusters (Physiology and Neuroscience / Biodiversity and Systematics).
Students do not need to declare a cluster.
Courses may be chosen from either of the two clusters indicated below; however, a minimum of 3 units must be completed from each cluster.
See below for approved courses.

| Physiology and Neuroscience |  |  |
| :--- | :--- | :---: |
| Course | BIO 320/320L | $(4 / 1)$ |
| Developmental Biology | BIO 410 | $(4)$ |
| Biophysics | BIO 424 | $(4)$ |
| Neuroscience | BIO 426/426L | $(4 / 1)$ |
| Neuroanatomy | BIO 428/428L | $(4 / 1)$ |
| Cellular Physiology | BIO 431/431L | $(3 / 1)$ |
| Radiation Biology | BIO 450 | $(4)$ |
| Concepts of Molecular Biology | BIO 451/451L | $(3 / 2)$ |
| Molecular Biology Techniques | BIO 455/455L | $(2 / 2)$ |
| Molecular Biology of Recombinant DNA | BIO 499 | $(4)$ |
| Neuromuscular Physiology | ZOO 422/422L | $(2 / 3)$ |
| Histology | ZOO 439/439L | $(2 / 2)$ |
| Evolutionary Ecomorphology |  |  |


| Biodiversity and Systematics |  |  |
| :--- | :--- | :---: |
| Course |  | Units |
| Marine Biology | BIO 4180/418L | $(3)$ |
| Population Ecology | BIO 442/442L | $(3 / 2)$ |
| Marine Ecology | BIO 464 | $(3)$ |
| Biology of Species Invasions | BOT 343/343L | $(1 / 2)$ |
| California Flora | ZOO 426/426L | $(3 / 1)$ |
| Entomology | ZOO 429/429L | $(3 / 2)$ |
| Herpetology | ZOO 435/435L | $(2 / 1)$ |

