## B.S. in EDUCATION - BIOLOGY CHECKLIST Student

(Revised May 2016)
Advisor

| BIOLOGY COURSES (28 cr) |  |  |  | Planned | Taken | Grade |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| Biology Core Courses (12 cr) |  |  |  |  |  |  |
| BIOL | 201 | Principles of Ecology \& Evolution | 4 cr |  |  |  |
| BIOL | 202 | Principles of Cell \& Molecular Biology | 4 cr |  |  |  |
| BIOL | 203 | Principles of Genetics \& Development | 4 cr |  |  |  |
| Required Biology Courses (1 cr) |  |  |  |  |  |  |
| BIOL | 480 | Biology Seminar | 1 cr |  |  |  |
| Controlled Biology Electives (15 cr)* |  |  |  |  |  |  |
| BIOL |  | (Cell \& Mol.) |  |  |  |  |
| BIOL |  | (Ecol.) |  |  |  |  |
| BIOL |  | (Organism) |  |  |  |  |
| BIOL |  |  |  |  |  |  |
| BIOL |  |  |  |  |  |  |
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*Select one course from each area: Cell \& Molecular Area, Ecology Area, Organismal Area. A minimum of 6 cr must be in courses at the 400 -level. At least one course must be a field biology course. No more than 6 cr total from Independent Study, Special Topics, or Internship applies to major; excess applied as free electives.

| REQUIRED CHEMISTRY COURSES (16 cr)* |  |  |  |  |  |  |
| ---: | :--- | :--- | :--- | :--- | :--- | :--- |
| CHEM | 111 | General Chemistry I | 4 cr |  |  |  |
| CHEM | 112 | General Chemistry II | 4 cr |  |  |  |
| CHEM | 231 | Organic Chemistry I | 4 cr |  |  |  |
| CHEM | 351 | Biochemistry | 4 cr |  |  |  |

* CHEM 111-112 fulfill the Liberal Studies Natural Science Requirement. CHEM 113-114 may be substituted for CHEM 111-112. The two-semester sequence of BIOC 301-302 can be substituted for CHEM 351 to meet the biochemistry requirement.

| REQUIRED MATHEMATICS COURSES (6 cr) |  |  |  |  |  |  |
| ---: | :--- | :--- | :--- | :--- | :--- | :--- |
| MATH | 110 | Elementary Functions* | 3cr |  |  |  |
| MATH | 217 | Probability and Statistics | 3 cr |  |  |  |

*MATH 110 fulfills the Liberal Studies Mathematics Requirement. MATH 121 Calculus I may substitute. MATH 217 also meets the criteria for Liberal Studies Elective.

| REQUIRED PHYSICS COURSES (4 cr) |  |  |  |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| PHYS | 151 | Medical Physics Lecture | 3 cr |  |  |  |
| PHYS | 161 | Medical Physics Lab | 1cr |  |  |  |
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| REQUIRED GEOSCIENCE COURSES (4 cr)* |  |  |  |  |  |  |
| GEOS | 201 | Fundamentals of Geoscience | 4 cr |  |  |  |
| *Meets the criteria for Liberal Studies Elective. |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| COLLEGE OF EDUCATION (31 cr)* |  |  |  |  |  |  |
| Pre-professional Education Sequence: |  |  |  |  |  |  |
| COMM | 103 | Digital Instructional Technology | 3cr |  |  |  |
| EDSP | 102 | Educational Psychology | 3 cr |  |  |  |
| Professional Educational Sequence: |  |  |  |  |  |  |
| EDEX | 301 | Education of Students with Disabilities in Inclusive Secondary Settings | 2 cr |  |  |  |
| EDEX | 323 | Instruction of English Language Learners with Special Needs | 2cr |  |  |  |
| EDSP | 477 | Assessment of Student Learning: Design and Interpretation of Educational Measures | 3 cr |  |  |  |
| EDUC | 242 | Pre-student Teaching Clinical Experience I | 1 cr |  |  |  |
| EDUC | 342 | Pre-student Teaching Clinical Experience II | 1 cr |  |  |  |

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| EDUC | 441 | Student Teaching | 12cr |  |  |  |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| EDUC | 442 | School Law | 1 cr |  |  |  |
| EDUC | 451 | Teaching Science in the Secondary School | 3 cr |  |  |  |
| *See requirements leading to teacher certification, titled "3-Step Process for Teacher Education," in the College of Education and Educational Technology section of the Undergraduate Catalog. See advisory paragraph "Timely Completion of Degree Requirements" in the section on Requirements for Graduation. |  |  |  |  |  |  |
| ADDITIONAL LIBERAL STUDIES REQUIREMENTS |  |  |  | Planned | Taken | Grade |
| Learning Skills: |  |  |  |  |  |  |
| ENGL | 101 | English Composition I | 3 cr |  |  |  |
| ENGL | 202 | English Composition II | 3 cr |  |  |  |
| Knowledge Areas - Humanities: |  |  |  |  |  |  |
| HIST |  |  | 3 cr |  |  |  |
| PHIL/RLST |  |  | 3 cr |  |  |  |
| ENGL | 121 | Humanities: Literature | 3 cr |  |  |  |
| Knowledge Areas - Fine Arts: |  |  |  |  |  |  |
|  |  |  | 3 cr |  |  |  |
| Knowledge Areas - Dimensions of Wellness: |  |  |  |  |  |  |
|  |  |  | 3 cr |  |  |  |
| MLSC | 101 | Intro. to Military Science \& Lab | 2 cr |  |  |  |
| MLSC | 102 | Fundamentals of Military Sci. \& Lab | 2 cr |  |  |  |
| Knowledge Areas - Social Sciences*: |  |  |  |  |  |  |
| PSYC | 101 | General Psychology | 3 cr |  |  |  |
|  |  |  | 3 cr |  |  |  |
|  |  |  | 3 cr |  |  |  |
| *No course prefix may be used more than once. One of these courses may fulfill the Liberal Studies Global \& Multicultural Awareness Requirement. |  |  |  |  |  |  |
| Knowledge Areas - Liberal Studies Elective: |  |  | 7 cr |  |  |  |
| MATH | 217 | Probability and Statistics | 3 cr |  |  |  |
| GEOS | 201 | Fundamentals of Geoscience | 4 cr |  |  |  |
| Global \& Multicultural Awareness Course: |  |  |  |  |  |  |
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| Two 'Writing Intensive' Courses (at least one in major): |  |  |  |  |  |  |
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| FREE ELECTIVES (1 cr): |  |  |  |  |  |  |
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| EXIT SURVEY REQUIREMENT: |  |  | DAT | TAKEN: |  |  |
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| COMMENTS: |  |  |  |  |  |  |
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