

| Degree: Environmental Science, B.S.: Environmental Health Concentration 21-22 |                   |   |  |       |
|---|-------------------|---|--|-------|
| Requirement Area  | Course            | Course Title                            | Prerequisites  | Units |
| <b>First Semester (FALL)</b>  |                   |   |  |       |
| E   | GS 101A           | Foundations of Success I                |  | 1     |
| A1  |                   | Oral Communication                      |  | 3     |
| B1/B3   | CHEM 111          | General Chemistry I                     |  | 5     |
| B4  | MATH 130          | Calculus I                              |  | 4     |
| F   |                   |   |  | 3     |
|   |                   |   | <b>Total:</b>  | 16    |
| <b>Second Semester (SPRING)</b>   |                   |   |  |       |
| E   | GS 101B           | Foundations of Success II               |  | 1     |
| A2  | ENGL 102          | English Composition                     |  | 3     |
| C2/Concentration  | HSC 130           | Health Humanities                       |  | 3     |
| D1/Code 1   | POSC              | POSC Political Science                  |  | 3     |
| LD Major  | CHEM 112          | General Chemistry II                    | CHEM 111 with grade C- or better.  | 5     |
|   |                   |   | <b>Total:</b>  | 15    |
| <b>Third Semester (FALL)</b>  |                   |   |  |       |
| E   |                   | Lifelong Learning and Self Development  |  | 1     |
| A3  | PHIL 100          | Workshop in Critical Thinking           |  | 3     |
| B2/LD Major   | ENSC 240          | Environmental Biology                   |  | 3     |
| LD Major  | ENSC 280          | General Environmental Science           |  | 3     |
| LD Major  | PHYS 125          | Principles of Physics I                 | Satisfactory score of 78 or higher on Math Proficiency Assessment or MATH 120.                 | 4     |
| B3/LD Major   | ENSC 241          | Environmental Biology laboratory        |  | 1     |
|   |                   |   | <b>Total:</b>  | 15    |
| <b>Fourth Semester (SPRING)</b>   |                   |   |  |       |
| Add'l C1 or C2*   |                   | Arts and Humanities                     |  | 3     |
| Overlay   |                   |   |  | 3     |
| Elective  |                   |   |  | 2     |
| LD Major  | PHYS 126          | Principles of Physics II                | PHYS 125.  | 4     |
| LD Major  | ENSC 297          | Introductory Field Experience           |  | 1     |
| Second Composition  |                   |   |  | 3     |
|   |                   |   | <b>Total:</b>  | 16    |
| <b>Fifth Semester (FALL)</b>  |                   |   |  |       |
| C1/Overlay  |                   | Arts                                    |  | 3     |
| Concentration   | BIOL 230          | Introduction to Clinical Microbiology   |  | 4     |
| Concentration   | CHEM 233          | Fundamentals of Organic Chemistry       | CHEM 112 with grade C- or better.  | 4     |
| LD Major  | GEOL 210          | Physical Geology                        |  | 4     |
|   |                   |   | <b>Total:</b>  | 15    |
| <b>Sixth Semester (SPRING)</b>  |                   |   |  |       |
| UD-D/Concentration  | HSC 362           | Environmental Health Policy             | Completion of GE areas A1, A2, A3 and B4   | 3     |
| UD Major  | ENSC 350/GEOL 432 | Env Hydrology or Hydrogeology           | Either CHEM 100 or CHEM 111, and either MATH 120 or MATH 130, and either PHYS 115 or PHYS 125. | 4     |
| UD Major  | STAT 303/STAT 310 | UD Statistics                           | Completion of GE area B4   | 3     |
| UD Major  | BIOL 350          | Ecology                                 | BIOL 140B, MATH 115, STAT 303.   | 4     |
|   |                   |   | <b>Total:</b>  | 14    |
| <b>Seventh Semester (FALL)</b>  |                   |   |  |       |
| D2/Code 2   |                   |   |  | 3     |
| UD-C/Overlay  |                   |   |  | 3     |
| UD Major/Sustainability   | ENSC 414          | Hazardous Waste Management              | CHEM 112.  | 3     |
| UD-B/Concentration  | HSC 300           | Environmental Health                    | Completion of GE areas A1, A2, A3 and B4 ; and ENSC 280.                                       | 3     |
| Concentration   | HSC 330           | Epidemiology                            | One of: STAT 100, STAT 110, STAT 303A.   | 3     |
|   |                   |   | <b>Total:</b>  | 15    |
| <b>Eighth Semester (SPRING)</b>   |                   |   |  |       |
| UD Major  | ENVT 410          | Environmental Impact Analysis           | ENVT 310   | 3     |
| Concentration   | ENSC, HSC         | Soil Science, Occupational Health, etc. |  | 3     |
| Concentration   | HSC, PHYS         | Vector Control, Toxicology, etc.        |  | 3     |
| UD Major  | ENSC 397          | Advanced Field Experience               | GEOL/ENSC 297 and junior or senior standing.   | 2     |
| UD Major  | ENSC 499          | Capstone Seminar                        | Junior or senior standing  | 3     |
|   |                   |   | <b>Total:</b>  | 14    |
| <b>Total Units:</b>   |                   |   |  | 120   |

Note: No changes to, or from, the credit/no credit pattern are permitted after the Grade Type Change period. There are no exceptions to this rule. Courses in a student's major department, regardless of course prefix, may not be taken "CR/NC," unless that is the only grading pattern in the course.

| CSUEB General Breadth and Graduation Requirement   |  |
|--|--|
| <b>Area A (9 units): Communication in the English Language &amp;</b>   |  |
| <input type="checkbox"/> A1. COMM 100 or 104, MLL 111  |  |
| <input type="checkbox"/> A2. ENGL 101, 102, or 104   |  |
| <input type="checkbox"/> A3. PHIL 100  |  |
| <b>Area B (9 units) : Scientific Inquiry &amp; Quantitative Reasoning</b>  |  |
| <input type="checkbox"/> B1. Physical Science  |  |
| <input type="checkbox"/> B2. Life Science  |  |
| <input type="checkbox"/> B3. Laboratory Activity   |  |
| <input type="checkbox"/> B4. Quantitative Reasoning (Must earn passing grade of  |  |
| <b>Area C (9 units): Arts &amp; Humanities - Minimum of three different disciplines as designated by course prefix (e.g., ART, THEA, MUS)</b>  |  |
| <input type="checkbox"/> C1. Arts  |  |
| <input type="checkbox"/> C2. Humanities  |  |
| <input type="checkbox"/> *Additional Lower-division Area C Course in Arts (C1) or  |  |
| <b>Area D (6 units) : Social Sciences - Minimum of three different disciplines as designated by course prefix (e.g., ANTH, ECON, POSC)</b>   |  |
| <input type="checkbox"/> D1.   |  |
| <input type="checkbox"/> D2.   |  |
| <b>Area E (3 units) : Lifelong Learning and Self-Development</b>   |  |
| <input type="checkbox"/> E.  |  |
| <b>Area F (3 units): Ethnic Studies</b>  |  |
| <input type="checkbox"/> F.  |  |
| <b>Second Composition : Requires completion of GE A2 with a C- /CR or better. Must be completed before attaining junior standing.</b>  |  |
| <input type="checkbox"/> Second Composition  |  |
| <b>U.S. Code (American Institutions Requirement) - Two courses (6 units) covering three U.S. Code Requirements of US-1 (U.S. History), US-2 (U.S. Constitution), and US-3 (California State &amp; Local Government).</b> |  |
| <input type="checkbox"/> Code 1.   |  |
| <input type="checkbox"/> Code 2.   |  |
| <b>Upper Division GE Requirements (9 units): Should be taken after completion of A1, A2, A3, and B4 with a C- (CR)</b>   |  |
| <input type="checkbox"/> UD-B. Upper-division Science Inquiry and Quantitative Reasoning   |  |
| <input type="checkbox"/> UD-C. Upper-division Arts OR Humanities   |  |
| <input type="checkbox"/> UD-D. Upper-division Social Sciences  |  |
| <b>Overlay Requirements (9 units): Courses may be upper or lower division, and GE or major</b>   |  |
| <input type="checkbox"/> Diversity (Div)   |  |
| <input type="checkbox"/> Social Justice (SJ)   |  |
| <input type="checkbox"/> Sustainability (S)  |  |
| <b>Environmental Health Concentration</b>  |  |
| HSC 385 - Vector Control Units: 3  |  |
| HSC 405 - Toxicology Units: 3  |  |
| HSC 420 - Occupational Health Units: 3   |  |
| PHYS 305 - Environmental Health Science Electromagnetic and Nuclear Radiation Units: 3   |  |
| (Students with advisor approval and instructor consent may use one ENSC graduate-level course to satisfy one elective)   |  |

**Degree: Environmental Science, B.S.: Environmental Health Concentration**

| <b>Requirement Area</b> | <b>Course</b>   | <b>Course Title</b>                   |
|-------------------------|-----------------|---------------------------------------|
| <b>First Semester</b>   |                 |                                       |
| E                       | GS 101A         | Foundations of Success I              |
| B1/B3                   | CHEM 111        | General Chemistry I                   |
| B4                      | MATH 130        | Calculus I                            |
| F                       |                 |                                       |
|                         | ENGL 100 or 103 |                                       |
|                         | ENG 109         |                                       |
|                         |                 |                                       |
| <b>Second Semester</b>  |                 |                                       |
| E                       | GS 101B         | Foundations of Success II             |
| A1                      |                 |                                       |
| A2                      | ENGL 101 or 104 |                                       |
|                         | ENGL 109        |                                       |
| C2/Concentration        | HSC 130         | Health Humanities                     |
| D1/Code 1               | POSC            | POSC Political Science                |
|                         |                 |                                       |
| LD Major                | CHEM 112        | General Chemistry II                  |
|                         |                 |                                       |
| <b>Third Semester</b>   |                 |                                       |
| E                       |                 |                                       |
| A3                      | PHIL 100        | Workshop in Critical Thinking         |
| B2/LD Major             | ENSC 240        | Environmental Biology                 |
| LD Major                | ENSC 280        | General Environmental Science         |
|                         |                 |                                       |
| LD Major                | PHYS 125        | Principles of Physics I               |
| B3/LD Major             | ENSC 241        | Environmental Biology laboratory      |
|                         |                 |                                       |
| <b>Fourth Semester</b>  |                 |                                       |
| Add'l C1 or C2*         |                 |                                       |
| D2/Overlay              |                 |                                       |
| Elective                |                 |                                       |
| LD Major                | PHYS 126        | Principles of Physics II              |
| LD Major                | ENSC 297        | Introductory Field Experience         |
| Writing II              |                 |                                       |
|                         |                 |                                       |
| <b>Fifth Semester</b>   |                 |                                       |
| C1/Overlay              |                 |                                       |
| Concentration           | BIOL 230        | Introduction to Clinical Microbiology |
|                         |                 |                                       |
| Concentration           | CHEM 233        | Fundamentals of Organic Chemistry     |
| LD Major                | GEOL 210        | Physical Geology                      |

|                         |                   |   |
|-------------------------|-------------------|---|
|                         |                   |   |
| <b>Sixth Semester</b>   |                   |   |
| UD-D/Concentration      | HSC 362           | Environmental Health Policy             |
| UD Major                | ENSC 350/GEOL 432 | Env Hydrology or Hydrogeology           |
| UD Major                | STAT 303/STAT 310 | UD Statistics                           |
| UD Major                | BIOL 350          | Ecology                                 |
|                         |                   |   |
| <b>Seventh Semester</b> |                   |   |
| UD-C/Overlay            |                   |   |
| UD Major/Sustainability | ENSC 414          | Hazardous Waste Management              |
| UD-B/Concentration      | HSC 300           | Environmental Health                    |
| Concentration           | HSC 330           | Epidemiology                            |
|                         |                   |   |
| <b>Eighth Semester</b>  |                   |   |
| Code 2                  |                   |   |
| UD Major                | ENVT 410          | Environmental Impact Analysis           |
| Concentration           | ENSC, HSC         | Soil Science, Occupational Health, etc. |
| Concentration           | HSC, PHYS         | Vector Control, Toxicology, etc.        |
| UD Major                | ENSC 397          | Advanced Field Experience               |
| UD Major                | ENSC 499          | Capstone Seminar                        |
|                         |                   |   |
| <b>Total Units:</b>     |                   |   |

| Prerequisites  |  | Units |
|--|--|-------|
|  |  | 1     |
|  |  | 5     |
|  |  | 4     |
|  |  | 3     |
|  |  | 3     |
|  |  | 1     |
| <b>Total:</b>  |  | 17    |
|  |  | 1     |
|  |  | 3     |
|  |  | 3     |
|  |  | 1     |
|  |  | 3     |
|  |  | 3     |
| CHEM 111 with grade C- or better.  |  | 5     |
| <b>Total:</b>  |  | 16    |
|  |  | 1     |
|  |  | 3     |
|  |  | 3     |
|  |  | 3     |
| Satisfactory score of 78 or higher on Math Proficiency Assessment or MATH 120. |  | 4     |
|  |  | 1     |
| <b>Total:</b>  |  | 15    |
|  |  | 3     |
|  |  | 3     |
|  |  | 2     |
| PHYS 125.  |  | 4     |
|  |  | 1     |
|  |  | 3     |
| <b>Total:</b>  |  | 16    |
|  |  | 3     |
|  |  | 4     |
| CHEM 112 with grade C- or better.  |  | 4     |
|  |  | 4     |

|  |     |
|--|-----|
| <b>Total:</b>  | 15  |
|  |     |
| Completion of GE areas A1, A2, A3 and B4   | 3   |
| Either CHEM 100 or CHEM 111, and either MATH 120 or MATH 130, and either PHYS 115 or PHYS 125. | 4   |
| Completion of GE area B4   | 3   |
| BIOL 140B, MATH 115, STAT 303.   | 4   |
| <b>Total:</b>  | 14  |
|  |     |
|  | 3   |
| CHEM 112.  | 3   |
| Completion of GE areas A1, A2, A3 and B4 ; and ENSC 280.                                       | 3   |
| One of: STAT 100, STAT 110, STAT 303A.   | 3   |
| <b>Total:</b>  | 15  |
|  |     |
|  | 3   |
| ENVT 310   | 3   |
|  | 3   |
|  | 3   |
| GEOL/ENSC 297 and junior or senior standing.   | 2   |
| Junior or senior standing  | 3   |
| <b>Total:</b>  | 14  |
|  |     |
|  | 122 |

**Degree: Environmental Science, B.S.: Environmental Health Concentration**

| <b>Requirement Area</b> | <b>Course</b>     | <b>Course Title</b>                   |
|-------------------------|-------------------|---------------------------------------|
| <b>First Semester</b>   |                   |                                       |
| E                       | GS 101A           | Foundations of Success I              |
| A1                      |                   |                                       |
| B1/B3                   | CHEM 111          | General Chemistry I                   |
| F                       |                   |                                       |
|                         | MATH 115          | College Algebra                       |
|                         | MATH 15           | College Algebra Workshop              |
|                         |                   |                                       |
| <b>Second Semester</b>  |                   |                                       |
| E                       | GS 101B           | Foundations of Success II             |
| A2                      | ENGL 102          | English Composition                   |
| C2/Concentration        | HSC 130           | Health Humanities                     |
| LD Major                | CHEM 112          | General Chemistry II                  |
|                         | MATH 120          | Precalculus                           |
|                         |                   |                                       |
| <b>Third Semester</b>   |                   |                                       |
| A3                      | PHIL 100          | Workshop in Critical Thinking         |
| B2/LD Major             | ENSC 240          | Environmental Biology                 |
| B4                      | MATH 130          | Calculus I                            |
| LD Major                | PHYS 125          | Principles of Physics I               |
| B3/LD Major             | ENSC 241          | Environmental Biology laboratory      |
|                         |                   |                                       |
| <b>Fourth Semester</b>  |                   |                                       |
| E                       |                   |                                       |
| D2/Overlay              |                   |                                       |
| LD Major                | PHYS 126          | Principles of Physics II              |
| LD Major                | ENSC 280          | General Environmental Science         |
| LD Major                | ENSC 297          | Introductory Field Experience         |
| Writing II              |                   |                                       |
|                         |                   |                                       |
| <b>Fifth Semester</b>   |                   |                                       |
| C1/Overlay              |                   |                                       |
| Concentration           | BIOL 230          | Introduction to Clinical Microbiology |
| Concentration           | CHEM 233          | Fundamentals of Organic Chemistry     |
| LD Major                | GEOL 210          | Physical Geology                      |
|                         |                   |                                       |
| <b>Sixth Semester</b>   |                   |                                       |
| Code 1                  | POSC              | POSC Political Science                |
| UD-D/Concentration      | HSC 362           | Environmental Health Policy           |
| UD Major                | ENSC 350/GEOL 432 | Env Hydrology or Hydrogeology         |
| UD Major                | STAT 303/STAT 310 | UD Statistics                         |
| UD Major                | BIOL 350          | Ecology                               |
|                         |                   |                                       |

| Seventh Semester        |           |   |
|-------------------------|-----------|---|
| Code 2                  |           |   |
| UD-C/Overlay            |           |   |
| UD Major/Sustainability | ENSC 414  | Hazardous Waste Management              |
| UD-B/Concentration      | HSC 300   | Environmental Health                    |
|                         |           |   |
| Concentration           | HSC 330   | Epidemiology                            |
|                         |           |   |
| Eighth Semester         |           |   |
| UD Major                | ENVT 410  | Environmental Impact Analysis           |
| Concentration           | ENSC, HSC | Soil Science, Occupational Health, etc. |
| Concentration           | HSC, PHYS | Vector Control, Toxicology, etc.        |
| UD Major                | ENSC 397  | Advanced Field Experience               |
| UD Major                | ENSC 499  | Capstone Seminar                        |
|                         |           |   |
| <b>Total Units:</b>     |           |   |

| ration                         |       |
|--------------------------------|-------|
| Prerequisites                  | Units |
|                                | 1     |
|                                | 3     |
|                                | 5     |
|                                | 3     |
|                                | 3     |
|                                | 1     |
| <b>Total:</b>                  | 16    |
|                                | 1     |
|                                | 3     |
|                                | 3     |
| CHEM 111 with grade            | 5     |
|                                | 3     |
| <b>Total:</b>                  | 15    |
|                                | 3     |
|                                | 3     |
|                                | 4     |
| Satisfactory score of          | 4     |
|                                | 1     |
| <b>Total:</b>                  | 15    |
|                                | 1     |
|                                | 3     |
| PHYS 125.                      | 4     |
|                                | 3     |
|                                | 1     |
|                                | 3     |
| <b>Total:</b>                  | 15    |
|                                | 3     |
|                                | 4     |
| CHEM 112 with grade            | 4     |
|                                | 4     |
| <b>Total:</b>                  | 15    |
|                                | 3     |
| Completion of GE               | 3     |
| Either CHEM 100 or             | 4     |
| Completion of GE area B4       | 3     |
| BIOL 140B, MATH 115, STAT 303. | 4     |
| <b>Total:</b>                  | 17    |



|   |     |
|---|-----|
|   |     |
|   | 3   |
|   | 3   |
| CHEM 112.                                 | 3   |
| Completion of GE                          | 3   |
| One of: STAT 100,<br>STAT 110, STAT 303A. | 3   |
| <b>Total:</b>                             | 15  |
|   |     |
| ENVT 310                                  | 3   |
|   | 3   |
|   | 3   |
| GEOL/ENSC 297 and                         | 2   |
| Junior or senior                          | 3   |
| <b>Total:</b>                             | 14  |
|   | 122 |

**Degree: Environmental Science, B.S.: Environmental Health Concentration**

| <b>Requirement Area</b> | <b>Course</b>     | <b>Course Title</b>                   |
|-------------------------|-------------------|---------------------------------------|
| <b>First Semester</b>   |                   |                                       |
| E                       | GS 101A           | Foundations of Success I              |
| A1                      |                   |                                       |
| B1/B3                   | CHEM 111          | General Chemistry I                   |
|                         | ENGL 100 or 103   |                                       |
|                         | ENGL 109          |                                       |
|                         | MATH 115          | College Algebra                       |
|                         | MATH 15           | College Algebra Workshop              |
|                         |                   |                                       |
| <b>Second Semester</b>  |                   |                                       |
| E                       | GS 101B           | Foundations of Success II             |
| A2                      | ENGL 102          | English Composition                   |
|                         | ENGL 109          |                                       |
| C2/Concentration        | HSC 130           | Health Humanities                     |
| LD Major                | CHEM 112          | General Chemistry II                  |
|                         | MATH 120          |                                       |
|                         |                   |                                       |
| <b>Third Semester</b>   |                   |                                       |
| A3                      | PHIL 100          | Workshop in Critical Thinking         |
| B2/LD Major             | ENSC 240          | Environmental Biology                 |
| B4                      | MATH 130          | Calculus I                            |
| LD Major                | PHYS 125          | Principles of Physics I               |
| B3/LD Major             | ENSC 241          | Environmental Biology laboratory      |
|                         |                   |                                       |
| <b>Fourth Semester</b>  |                   |                                       |
| E                       |                   |                                       |
| F                       |                   |                                       |
| LD Major                | PHYS 126          | Principles of Physics II              |
| LD Major                | ENSC 280          | General Environmental Science         |
| LD Major                | ENSC 297          | Introductory Field Experience         |
| Writing II              |                   |                                       |
|                         |                   |                                       |
| <b>Fifth Semester</b>   |                   |                                       |
| C1/Overlay              |                   |                                       |
| Concentration           | BIOL 230          | Introduction to Clinical Microbiology |
| Concentration           | CHEM 233          | Fundamentals of Organic Chemistry     |
| LD Major                | GEOL 210          | Physical Geology                      |
|                         |                   |                                       |
| <b>Sixth Semester</b>   |                   |                                       |
| D2/Code 1               | POSC              | POSC Political Science                |
| UD-D/Concentration      | HSC 362           | Environmental Health Policy           |
| UD Major                | ENSC 350/GEOL 432 | Env Hydrology or Hydrogeology         |
|                         |                   |                                       |
| UD Major                | STAT 303/STAT 310 | UD Statistics                         |

|                         |           |   |
|-------------------------|-----------|---|
| UD Major                | BIOL 350  | Ecology                                 |
|                         |           |   |
| <b>Seventh Semester</b> |           |   |
| D3/Code 2               |           |   |
| UD-C/Overlay            |           |   |
| UD Major/Sustainability | ENSC 414  | Hazardous Waste Management              |
| UD-B/Concentration      | HSC 300   | Environmental Health                    |
|                         |           |   |
| Concentration           | HSC 330   | Epidemiology                            |
|                         |           |   |
| <b>Eighth Semester</b>  |           |   |
| UD Major                | ENVT 410  | Environmental Impact Analysis           |
| Concentration           | ENSC, HSC | Soil Science, Occupational Health, etc. |
| Concentration           | HSC, PHYS | Vector Control, Toxicology, etc.        |
| UD Major                | ENSC 397  | Advanced Field Experience               |
| UD Major                | ENSC 499  | Capstone Seminar                        |
|                         |           |   |
| <b>Total Units:</b>     |           |   |

| ration                      |           |
|-----------------------------|-----------|
| Prerequisites               | Units     |
|                             | 1         |
|                             | 3         |
|                             | 5         |
|                             | 3         |
|                             | 1         |
|                             | 3         |
|                             | 1         |
| <b>Total:</b>               | <b>17</b> |
|                             | 1         |
|                             | 3         |
|                             | 1         |
|                             | 3         |
| CHEM 111 with grade         | 5         |
|                             | 3         |
| <b>Total:</b>               | <b>16</b> |
|                             | 3         |
|                             | 3         |
|                             | 4         |
| Satisfactory score of       | 4         |
|                             | 1         |
| <b>Total:</b>               | <b>15</b> |
|                             | 1         |
|                             | 3         |
| PHYS 125.                   | 4         |
|                             | 3         |
|                             | 1         |
|                             | 3         |
| <b>Total:</b>               | <b>15</b> |
|                             | 3         |
|                             | 4         |
| CHEM 112 with grade         | 4         |
|                             | 4         |
| <b>Total:</b>               | <b>15</b> |
|                             | 3         |
| Completion of GE            | 3         |
| Either CHEM 100 or          | 4         |
| Completion of GE area<br>B4 | 3         |

|   |     |
|---|-----|
| BIOL 140B, MATH<br>115, STAT 303.         | 4   |
| <b>Total:</b>                             | 17  |
|   |     |
|   | 3   |
|   | 3   |
| CHEM 112.                                 | 3   |
| Completion of GE                          | 3   |
| One of: STAT 100,<br>STAT 110, STAT 303A. | 3   |
| <b>Total:</b>                             | 15  |
|   |     |
| ENVT 310                                  | 3   |
|   | 3   |
|   | 3   |
| GEOL/ENSC 297 and<br>Junior or senior     | 2   |
|   | 3   |
| <b>Total:</b>                             | 14  |
|   |     |
|   | 124 |

**Degree: Environmental Science, B.S.: Environmental Health Concentration**

| <b>Requirement Area</b> | <b>Course</b>     | <b>Course Title</b>                   |
|-------------------------|-------------------|---------------------------------------|
| <b>First Semester</b>   |                   |                                       |
| E                       | GS 101A           | Foundations of Success I              |
| A1                      |                   |                                       |
| B1/B3                   | CHEM 111          | General Chemistry I                   |
| B4                      | MATH 120          | Precalculus                           |
| B4 Support              | MATH 121          | Precalculus Fundamentals              |
|                         |                   |                                       |
| <b>Second Semester</b>  |                   |                                       |
| E                       | GS 101B           | Foundations of Success II             |
| A2                      | ENGL 102          | English Composition                   |
| C2/Concentration        | HSC 130           | Health Humanities                     |
| LD Major                | MATH 130          | Calculus I                            |
| LD Major                | CHEM 112          | General Chemistry II                  |
|                         |                   |                                       |
| <b>Third Semester</b>   |                   |                                       |
| E                       |                   |                                       |
| A3                      | PHIL 100          | Workshop in Critical Thinking         |
| B2/LD Major             | ENSC 240          | Environmental Biology                 |
| LD Major                | ENSC 280          | General Environmental Science         |
| LD Major                | PHYS 125          | Principles of Physics I               |
| B3/LD Major             | ENSC 241          | Environmental Biology laboratory      |
|                         |                   |                                       |
| <b>Fourth Semester</b>  |                   |                                       |
| Add'l C1 or C2*         |                   |                                       |
| F                       |                   |                                       |
| D1/Code 1               | POSC              | POSC Political Science                |
| LD Major                | PHYS 126          | Principles of Physics II              |
| LD Major                | ENSC 297          | Introductory Field Experience         |
| Writing II              |                   |                                       |
|                         |                   |                                       |
| <b>Fifth Semester</b>   |                   |                                       |
| C1/Overlay              |                   |                                       |
| Concentration           | BIOL 230          | Introduction to Clinical Microbiology |
| Concentration           | CHEM 233          | Fundamentals of Organic Chemistry     |
| LD Major                | GEOL 210          | Physical Geology                      |
|                         |                   |                                       |
| <b>Sixth Semester</b>   |                   |                                       |
| UD-D/Concentration      | HSC 362           | Environmental Health Policy           |
|                         |                   |                                       |
| UD Major                | ENSC 350/GEOL 432 | Env Hydrology or Hydrogeology         |

|          |                   |               |
|----------|-------------------|---------------|
| UD Major | STAT 303/STAT 310 | UD Statistics |
| UD Major | BIOL 350          | Ecology       |
|          |                   |               |

**Seventh Semester**

|                         |          |                            |
|-------------------------|----------|----------------------------|
| D2/Code 2               |          |                            |
| UD Major/Sustainability | ENSC 414 | Hazardous Waste Management |
| UD-B/Concentration      | HSC 300  | Environmental Health       |
| Concentration           | HSC 330  | Epidemiology               |
|                         |          |                            |

**Eighth Semester**

|                     |           |   |
|---------------------|-----------|---|
| UD Major            | ENVT 410  | Environmental Impact Analysis           |
| Concentration       | ENSC, HSC | Soil Science, Occupational Health, etc. |
| Concentration       | HSC, PHYS | Vector Control, Toxicology, etc.        |
| UD Major            | ENSC 397  | Advanced Field Experience               |
| UD Major            | ENSC 499  | Capstone Seminar                        |
|                     |           |   |
| <b>Total Units:</b> |           |   |

| Prerequisites  |  | Units |
|--|--|-------|
|  |  | 1     |
|  |  | 3     |
|  |  | 5     |
|  |  | 3     |
|  |  | 2     |
| <b>Total:</b>  |  | 14    |
|  |  | 1     |
|  |  | 3     |
|  |  | 3     |
|  |  | 4     |
| CHEM 111 with grade  |  | 5     |
| <b>Total:</b>  |  | 16    |
|  |  | 1     |
|  |  | 3     |
|  |  | 3     |
|  |  | 3     |
| Satisfactory score of  |  | 4     |
|  |  | 1     |
| <b>Total:</b>  |  | 15    |
|  |  | 3     |
|  |  | 3     |
|  |  | 3     |
| PHYS 125.  |  | 4     |
|  |  | 1     |
|  |  | 3     |
| <b>Total:</b>  |  | 17    |
|  |  | 3     |
|  |  | 4     |
| CHEM 112 with grade  |  | 4     |
|  |  | 4     |
| <b>Total:</b>  |  | 15    |
| Completion of GE   |  | 3     |
| Either CHEM 100 or CHEM 111, and either MATH 120 or MATH 130, and either PHYS 115 or PHYS 125. |  | 4     |



|                                |    |
|--------------------------------|----|
| Completion of GE area B4       | 3  |
| BIOL 140B, MATH 115, STAT 303. | 4  |
| <b>Total:</b>                  | 14 |

|  |    |
|--|----|
|  | 3  |
| CHEM 112.                              | 3  |
| Completion of GE                       | 3  |
| One of: STAT 100, STAT 110, STAT 303A. | 3  |
| <b>Total:</b>                          | 15 |

|                           |     |
|---------------------------|-----|
| ENVT 310                  | 3   |
|                           | 3   |
|                           | 3   |
| GEOL/ENSC 297 and         | 2   |
| Junior or senior standing | 3   |
| <b>Total:</b>             | 14  |
|                           | 120 |