

## Bachelor of Science in Environmental Science

### SAMPLE 4-Year Degree Plan – 2017-18

This is a sample degree plan. Please meet with an academic advisor prior to registration to formulate your own plan, and for additional information refer to the [academic degree requirements](#).

| FALL   |   |     | SPRING                   |  |   | CREDITS                                 |
|--|---|-----|--------------------------|--|---|---|
| BIOL 2050  | General Biology I   | 4   | BIOL 2052                | General Biology II   | 4 | <b>Year 1<br/>29 credits</b>            |
| BIOL 2051  | General Biology I Laboratory  | 1   | BIOL 2053                | General Biology II Laboratory  | 1 |   |
| ENVS 1500  | Natural Disasters   | 3   | ENVS 2000                | Principles of Environmental Science  | 3 |   |
| <b>GE Course</b>   | <b>Written Communication &amp; Information Literacy I</b>           | 3   | ENVS 2001                | Principles of Environmental Science Laboratory   | 1 |   |
| <b>GE Course</b>   | <b>Hawai'i &amp; the Pacific</b>                                    | 3   | MATH 2214                | Calculus I (GE Course – Quant. Analysis & Sym. Reasoning)  | 3 |   |
| <b>14 CREDITS</b>  |   |     | <b>15 CREDITS</b>        |  |   |   |
| ENVS 3002  | Applications of Environmental Science                               | 3   | CHEM 2052                | General Chemistry II   | 3 | <b>Year 2<br/>30 credits</b>            |
| ENVS 3003  | Applications of Environmental Science Laboratory                    | 1   | CHEM 2053                | General Chemistry II Laboratory  | 1 |   |
| CHEM 2050  | General Chemistry I (GE Course – The Natural World)                 | 3   | MATH 1123                | Statistics (GE Course – Quant. Analysis & Sym. Reasoning)  | 3 |   |
| CHEM 2051  | General Chemistry I Laboratory                                      | 1   | <b>GE Course</b>         | <b>Global Crossroads &amp; Diversity</b>   | 3 |   |
| <b>GE Course</b>   | <b>The Sustainable World</b>  | 3   | <b>GE Course</b>         | <b>Technology &amp; Innovation</b>   | 3 |   |
| MATH 2215 <u>or</u> 3305<br><u>or</u> BIOL 4090  | Calculus II <u>or</u> Linear Algebra <u>or</u> Biometry             | 3   | Unrestricted Elective    |  |   | 3                                       |
| <b>14 CREDITS</b>  |   |     | <b>16 CREDITS</b>        |  |   |   |
| CHEM 3050  | Environmental Chemistry   | 3   | ECON 2010 <u>or</u> 2015 | Principles of Microeconomics (GE Course – Critical Thinking & Expression) <u>or</u> Principles of Macroeconomics (GE Course – Traditions & Movements that Shape the World) | 3 | <b>Year 3<br/>30 credits</b>            |
| ENVS 3030  | Earth Systems and Global Change                                     | 3   | ENVS 3600                | Natural Resource Management  | 3 |   |
| <b>GE Course</b>   | <b>The American Experience</b>                                      | 3   | <b>GE Course</b>         | <b>Creative Arts</b>   | 3 |   |
| Unrestricted Elective  |   | 3   | <b>GE Course</b>         | <b>Traditions &amp; Movements that Shape the World <u>or</u> Critical Thinking &amp; Expression</b>  | 3 |   |
| Unrestricted Elective  |   | 3   | Unrestricted Elective    |  |   |   |
| <b>15 CREDITS</b>  |   |     | <b>15 CREDITS</b>        |  |   |   |
| ENVS 3010  | Environmental Impact Analysis                                       | 3   | BIOL 3080                | Ecology  | 3 | <b>Year 4<br/>30 credits</b>            |
| ENVS 4400  | Environmental Science Seminar                                       | 3   | ENVS 4000                | Methods of Environmental Science   | 3 |   |
| PHYS 2030 <u>or</u> 2050   | College Physics I (3 credits) <u>or</u> General Physics (4 credits) | 3-4 | ENVS 4001                | Methods of Environmental Science Laboratory  | 1 |   |
| PHYS 2031 <u>or</u> 2051   | College Physics I Lab or General Physics I Lab                      | 1   | GEOL 3020                | Hydrogeology   | 3 |   |
| Unrestricted Elective  |   | 3   | Unrestricted Elective    |  |   |   |
| Unrestricted Elective  |   | 3   | Unrestricted Elective    |  |   | 1-2                                     |
| <b>16-17 CREDITS</b>   |   |     | <b>14-15 CREDITS</b>     |  |   |   |
| <b>Total Degree Credits Required = 120 credits</b><br><b>Major Credits Required = 24 ENVS credits + 48-49 credits of natural sciences, mathematics and social science courses = 70-71 credits</b><br><b>General Education Credits Required = 36 credits (though 9 credits overlap with major credits required) = 27 credits</b><br><b>Unrestricted Electives = 22-23 credits</b> |   |     |                          |  |   | <b>Total<br/>Degree<br/>120 credits</b> |



## Bachelor of Science in Environmental Science SAMPLE 4-Year Degree Plan – 2017-18

*For students beginning with Developmental Mathematics & Writing (MATH 1105 + MATH 1106 & WRI 1050)\**

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| FALL                     |   |     | SPRING                                       |   |     | CREDITS                            |
|--------------------------|---|-----|--|---|-----|------------------------------------|
| *WRI 1050                | English Fundamentals  | 3   | *WRI 1101                                    | Analyzing and Writing Arguments Lab   | 1   | <b>Year 1</b><br><b>30 credits</b> |
| *MATH 1105               | Intermediate Algebra  | 3   | ENVS 2000                                    | Principles of Environmental Science   | 3   |                                    |
| *MATH 1106               | Intermediate Algebra Lab  | 1   | ENVS 2001                                    | Principles of Environmental Science Laboratory  | 1   |                                    |
| ENVS 1500                | Natural Disasters   | 3   | MATH 2214                                    | Calculus I (GE Course – Quant. Analysis & Sym. Reasoning)   | 3   |                                    |
| GE Course                | Hawai'i & the Pacific   | 3   | GE Course                                    | Written Communication & Information Literacy I  | 3   |                                    |
| GE Course                | Technology & Innovation   | 3   | GE Course                                    | Creative Arts   | 3   |                                    |
| <b>16 CREDITS</b>        |   |     | <b>14 CREDITS</b>                            |   |     |                                    |
| BIOL 2050                | General Biology I   | 4   | BIOL 2052                                    | General Biology II  | 4   | <b>Year 2</b><br><b>30 credits</b> |
| BIOL 2051                | General Biology I Laboratory  | 1   | BIOL 2053                                    | General Biology II Laboratory   | 1   |                                    |
| CHEM 2050                | General Chemistry I (GE Course – The Natural World)                 | 3   | CHEM 2052                                    | General Chemistry II  | 3   |                                    |
| CHEM 2051                | General Chemistry I Laboratory                                      | 1   | CHEM 2053                                    | General Chemistry II Laboratory   | 1   |                                    |
| GE Course                | The Sustainable World   | 3   | MATH 1123                                    | Statistics (GE Course – Quant. Analysis & Sym. Reasoning)   | 3   |                                    |
| GE Course                | Written Communication & Information Literacy II                     | 3   | GE Course                                    | Global Crossroads & Diversity   | 3   |                                    |
| <b>15 CREDITS</b>        |   |     | <b>15 CREDITS</b>                            |   |     |                                    |
| CHEM 3050                | Environmental Chemistry   | 3   | ECON 2010 <u>or</u> 2015                     | Principles of Microeconomics (GE Course – Critical Thinking & Expression) <u>or</u> Principles of Macroeconomics (GE Course – Traditions & Movements that Shape the World ) | 3   | <b>Year 3</b><br><b>31 credits</b> |
| ENVS 3002                | Applications of Environmental Science                               | 3   | MATH 2215 <u>or</u> 3305 <u>or</u> BIOL 4090 | Calculus II <u>or</u> Linear Algebra <u>or</u> Biometry   | 3   |                                    |
| ENVS 3003                | Applications of Environmental Science Laboratory                    | 1   | ENVS 3600                                    | Natural Resource Management   | 3   |                                    |
| ENVS 3030                | Earth Systems and Global Change                                     | 3   | GE Course                                    | Traditions & Movements that Shape the World <u>or</u> Critical Thinking & Expression  | 3   |                                    |
| GE Course                | The American Experience   | 3   | Unrestricted Elective                        |   | 3   |                                    |
| Unrestricted Elective    |   | 3   |  |   |     |                                    |
| <b>16 CREDITS</b>        |   |     | <b>15 CREDITS</b>                            |   |     |                                    |
| ENVS 3010                | Environmental Impact Analysis                                       | 3   | BIOL 3080                                    | Ecology   | 3   | <b>Year 4</b><br><b>29 credits</b> |
| ENVS 4400                | Environmental Science Seminar                                       | 3   | ENVS 4000                                    | Methods of Environmental Science  | 3   |                                    |
| PHYS 2030 <u>or</u> 2050 | College Physics I (3 credits) <u>or</u> General Physics (4 credits) | 3-4 | ENVS 4001                                    | Methods of Environmental Science Laboratory   | 1   |                                    |
| PHYS 2031 <u>or</u> 2051 | College Physics I Lab or General Physics I Lab                      | 1   | GEOL 3020                                    | Hydrogeology  | 3   |                                    |
| Unrestricted Elective    |   | 3   | Unrestricted Elective                        |   | 3   |                                    |
|                          |   |     | Unrestricted Elective                        |   | 2-3 |                                    |
| <b>13-14 CREDITS</b>     |   |     | <b>15-16 CREDITS</b>                         |   |     |                                    |

**Total Degree Credits Required = 120 credits**

**\*Developmental Mathematics & Writing = 8 credits**

**Major Credits Required = 24 ENVS credits + 48-49 credits of natural sciences, mathematics and social science courses = 70-71 credits**

**General Education Credits Required = 36 credits (though 9 credits overlap with major credits required) = 27 credits**

**Unrestricted Electives = 14-15 credits**

**Total  
Degree  
120 credits**