**Purdue Northwest Curriculum Document Coversheet**

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| **Document No:**(According to [Instruction](http://faculty.pnw.edu/blog/curriculum-document-approval-procedures/)s[[1]](#footnote-1)) | CES 18-27 NEW MINOR ECOLGY | **Approval by Faculty Senate:** (Leave Blank) | 5/3/19 |
| **Proposed Effective Date**  | August 2019 | **Date Reviewed by Senate Curriculum****Committee:** (Leave blank) | 4/12/19 |
| **Submitting Department:**(Name of both Dept & College/School ) | Department of Biological SciencesCollege of Engineering & Sciences | **Name(s) of Library Staff Consulted:** (NA if not required) | NA |
| **Date Reviewed by Department**  | April 05, 2019 |  |  |
| **Submission Date:**(Date sent to College/School Curr Comm after Dept Review) | April 05, 2019 | **Will New Library****Resources Used?** | [ ]  **Yes**[x]  **No** Double-click to check Yes / No. |
| **Date Reviewed by College/School Curriculum Committee**  |  | **Form 40 Needed?**(Double-click one box.)Registrar will complete Form 40 **after** Senate approval of document. | [x]  **Yes** New courses or any course change, check **YES**[ ]  **No** For **all other** curriculum matters, check **NO**. |
| **Contact Person(s):**(Name & Title) | Robin ScribailoProfessor of BiologyInterim Dept Head  |  |  |

Unless marked “Leave blank” all parts of this form must be filled in **before** sending to Secretary of the Faculty Senate.

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| **Task (check all that apply and fill out sections appropriate for each change).** [ ]  Program/Concentration Change or New Program/Concentration Proposal: Complete Section I, III, & IV[x]  Minor Change or New Minor Proposal: Complete Section I (delete sections III & IV)[ ]  Certificate Change or New Certificate Proposal: Complete Section I (delete sections III & IV)[ ]  Course Change or New Course Proposal: Complete Section II (delete sections III & IV) |
| **Program name**: Biological Sciences |
| **Degree name(s):**  B. S. Biology |

## Section I: This section is for changes in programs, minors and certificates

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| **List the major changes in each program of study, minor or certificate.** Creation of a new ecology minor

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| **Required Courses** | Credits |
| BIOL 10100 Introductory Biology | 4 |
| BIOL 10200 Introductory Biology | 4 |
| BIOL 33300 Ecology (CHM 11100 and/or CHM 11200 or CHM 11500 and/or CHM 11600 are recommended as background for this course) | 4 |
| **Ecology Elective Courses**Students must select one course from Group A and select an additional course from either Group A or B. | 6-8 |
| **Group A: Courses with a Field Component**

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| Course Number  | Credits | Course name |
| BIOL 32400 | 3 | Natural History Smoky Mountains |
| BIOL 32500 | 3 | Natural History of Northwest Indiana |
| BIOL 44200  | 4 | Ecology of Shallow Lakes |
| BIOL 49200 | 3 | Mycology |
| BIOL 59100 | 4 | Field Ecology |
| BIOL 59500 | 3 | Ornithology |
| BTNY 55500 | 3 | Aquatic Botany |
| BIOL 59500 | 4 | Wetland Ecology |
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| **Group B: Courses without a Field Component** |
| Course Number | Credits | Course Name |
| BIOL 40500  | 3 | Conservation Biology\*  |
| BIOL 41300 | 3 | Aquatic Ecology |
| BIOL 41400 | 3 | Invasive Species Ecology |
| BIOL 46000 | 3 | Herpetology |
| BIOL 46100  | 3 | Animal Behavior\* |
| BIOL 46200 | 3 | Evolution of Human Mating Systems\* |
| BIOL 48300 | 4 | Environmental and Conservation Biology\* |
| BIOL 58700 | 3 | Biogeography |
| BIOL 58800 | 3 | Plant Ecology |
| BIOL 59500 | 3 | Critical Issues in Conservation Biology |
| BIOL 59500 | 3 | Ecology and Evolution of Flowers\* |
| BIOL 59500 | 3 | Microbial Ecology |
| BIOL 59700 | 3 | Sex and Evolution\* |
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| \*BIOL 31100 is strongly recommended as a prerequisite. |
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|  |  | TOTAL CREDITS (minimum) |

 |  18 |
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| **Impact on Students.** A minor in ecology offers PNW students an additional path of study in the field of ecology, providing them with a broad foundation in this discipline and allowing them to develop the necessary skills to address a wide range of ecological issues. |
| **Impact on University Resources.** NA |
| **Impact on other Academic Units.** NA |
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1. <http://faculty.pnw.edu/blog/curriculum-document-approval-procedures/> [↑](#footnote-ref-1)