**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 Sciences  College 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** **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. | **Yes** New courses or any course change, check **YES**  **No** For **all other** curriculum matters, check **NO**. |
| **Contact Person(s):**  (Name & Title) | Robin Scribailo  Professor of Biology  Interim 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  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   |  |  | | --- | --- | | **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**   |  |  |  | | --- | --- | --- | | 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 | |  |  |  | | **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\* | |  |  |  | | \*BIOL 31100 is strongly recommended as a prerequisite. | | | |  | | | |  |  |  | |  |  |  | |  |  | TOTAL CREDITS (minimum) | | 18 | |  |  | |
| **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)