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| **Oregon Department of Community Colleges  and Workforce Development** | Office of Educational Improvement & Innovation |
| 255 Capitol Street NE  Salem, OR 97310-0203 | Phone: (503) 378-3600  FAX: (503) 378-5156 |

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| Community Colleges & Workforce Development Logo | **COMMUNITY COLLEGE ASSOCIATE OF SCIENCE AREA OF EMPHASIS AMENDMENT FORM** |

**This form should be completed electronically and the boxes will expand to accommodate text.**

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| **College:** | **Clackamas Community College** | **Date** | **2/9/2018** |

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| Career Learning Area | |
| 🞏 Ag, Food & Natural Resource Systems | **🞏 Health Services** |
| **🞏 Arts, Information & Communications** | **🞏 Human Resources** |
| **🞏 Business & Management** | **🞏 Industrial & Engineering Systems** |

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| Program Information | | | | | |
| *APPROVED*Program Title | ***APPROVED* CIP Code (Include 7th & 8th digits used for OCCURS reporting.)** | | | *APPROVED*Recognition Award | *Current*Credits |
| ***6-digit CIP*** | *7th digit* | *8th digit* |
| **AS Area of Emphasis Title:**  **Biology** |  |  |  | **Associate of Applied Science Area of Emphasis** | **89-95** |
| **Partnering Institution Name**  **Portland State University** |  |  |  |  |  |

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| TYPE OF PROGRAM AMENDMENT(Check ALL That Apply) | | | |
| 🞏 **New Agreement** | 🞏 **Curriculum Revision** | 🞏 **Revision in Program Credits** | |
| ***Proposed* Total Credits:** | **90-95** |
| 🞏 ***SUSPENSION* of Program** | *Reason for Suspension:* | | |
| **Suspension Effective Date:** |  |  | |

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| **CURRICULUM AMENDMENT** | | | | | | | | | | | | |
| *CURRENT CURRICULUM 2017-18* | | | | | | | PROPOSED CURRICULUM 2018-19 | | | | | |
| Course | Course Title | | ClockHours | | **Credits** | | Course | | **Course Title** | | Clock **Hours** | **Credits** |
| Program Requirements – First Year | | | | | | | | | | | | |
| Fall Term | | | | | | | | | | | | |
| BI-211 | General Biology for Science Majors (Cellular Biology) | | 77 | 5 | | |  | |  | |  |  |
| CH-221 | General Chemistry | | 77 | 5 | | |  | |  | |  |  |
| WR-121 | English Composition | | 44 | 4 | | |  | |  | |  |  |
| Winter Term | | | | | | | | | | | | |
| BI-212 | General Biology for Science Majors (Animal Biology) | | 77 | 5 | | |  | |  | |  |  |
| CH-222 | General Chemistry | | 77 | 5 | | |  | |  | |  |  |
| WR-122 or  WR-123 or  WR-227 | English Composition  English Composition  Technical Report Writing | | 33-44 | 3-4 | | | WR-122  Or WR-227 | | English Composition  Or Technical Report Writing | | 44 | 4 |
| -- | Core elective | |  | 4 | | |  | |  | |  |  |
| Spring Term | | | | | | | | | | | | |
| BI-213 | General Biology for Science Majors (Plant Biology & Ecology) | | 77 | 5 | | |  | |  | |  |  |
| CH-223 | General Chemistry | | 77 | 5 | | |  | |  | |  |  |
| COMM-111 or COMM-140 | Public Speaking  Intro to Intercultural Communication | | 44 | 4 | | |  | |  | |  |  |
| Program Requirements – Second Year | | | | | | | | | | | | |
| Fall Term | | | | | | | | | | | | |
| CH-241 | Organic Chemistry I or Science elective | | 77 | 5 | | |  | |  | |  |  |
| MTH-243 or  MTH-251 | Statistics I  Calculus I | | 44-55 | 4-5 | | |  | |  | |  |  |
| PH-201 | General Physics | | 70 | 5 | | |  | |  | |  |  |
| -- | Core elective | |  | 3 | | |  | |  | |  |  |
| Winter Term | | | | | | | | | | | | |
| CH-242 | Organic Chemistry II or Science elective | | 77 | 5 | | |  | |  | |  |  |
| MTH-244  Or MTH-252 | Statistics II  Calculus II | | 44-55 | 4-5 | | |  | |  | |  |  |
| -- | Core elective | |  | 3 | | |  | |  | |  |  |
| Spring Term | | | | | | | | | | | | |
| CH-243 | Organic Chemistry III or Science elective | | 77 | 5-7 | | |  | |  | |  |  |
| -- | Gen Ed Science elective | |  | 4-5 | | |  | |  | |  |  |
| -- | Core elective | |  | 6 | | |  | |  | |  |  |
| Core Elective | | | | | | | | | | | | |
| Any General Education course in the respective distribution areas of Arts & Letters or Social Sciences listed in p. 50 of this catalog. | | | | | | | | | | | | |
| Science Elective | | | | | | | | | | | | |
| Minimum 14 science elective credits in G-201, G-202, G-203, PH-202 & PH-203. Recommended: CH-242 & CH-243 | | | | | | | | | | | | |
| General Education Science Elective | | | | | | | | | | | | |
| Any Gen Ed Science course in ASC, BI, CH, ESR, G, GS, PH, Z | | | | | | | | | | | | |
| **TOTAL *CURRENT* CREDITS:** | | | | 89-95 | | | **TOTAL *PROPOSED* CREDITS:** | | | | | 90-95 |
| College Contact | | Eden Francis | | | | | | **Telephone No.** | | X3352 | | |
| E-Mail Address | | [edenf@clackamas.edu](mailto:edenf@clackamas.edu) | | | | | | **Fax No.** | |  | | |
| **CTE Dean Signature** | | | | | |  | | | | **Date** | **1/9/2018** | |