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| *For Curriculum Office Use Only*  Date Submitted: 10/13/2017 Approval date by Faculty Senate and Provost: 12/04/2017  School: SM Division: BTEC Department: BTEC Catalog Year: 18/19 |

**Salt Lake Community College**

**Course Curriculum Outline (CCO)**

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**Faculty Contact**: Jean Bower

**Action**: New

**Rationale for action; include what is being changed**:

Biotechnology is converting to a Competency-Based Education (CBE) format to provide students with flexible scheduling and self-paced learning. Program curriculum has been redesigned to better meet industry and transfer needs. This course will replace BTEC 1080. Course objectives and prerequisites have been redesigned, and students are now required to experience both the research and manufacturing labs before choosing one for the completion of the internship.

**If other than next catalog year, semester of implementation**:

Fall 2018

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**Course Prefix**: BTEC **Course Number**: 2000

**Course Title**: Biotechnology Experience

**If different than above, Full Course Title**:

**Course Description**: This course is a hands-on research experience in which students conduct mentored research activities. Students apply their knowledge to specific research topics assigned by Biotechnology faculty or staff.

**Pre-Requisite(s)**: BTEC 1300 with a B or better

**Recommended Pre-Requisite(s)**: NA

**Co-Requisite(s)**: NA

**Recommended Co-Requisite(s)**: NA

**Other Registration Restriction(s)**: NA

**Semester(s) Taught**: All

**SLCC Equivalent Course(s)**: BTEC 1080

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| **For Credit Courses** | **For Clock Hour Courses** |
| Credit hours: 3 | Clock hours: |
| Total contact hours: 8 | Billable hours: |
| Lecture: 0 | Total contact hours: |
| Lab: 8 |  |
| Other: 0 |  |

**Can this course be repeated for additional credit?**

No

**Is this course designed for General Education?**

No

**Is there an equivalent (or potentially equivalent) course at other USHE institution(s)?**

No

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**Course Student Learning Outcomes mapped to** [**SLCC College-Wide Student Learning Outcomes**](https://www.slcc.edu/assessment/docs/GenEd_Unified_Learning_Outcomes_Spring2014.pdf)**.**

1. Acquire substantive knowledge 5. Become a community engaged learner
2. Communicate effectively 6. Work in a professional & constructive manner
3. Develop quantitative literacies 7. Develop computer & information literacy
4. Think critically & creatively 8. Develop lifelong wellness

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| **Course Learning Outcomes** | **SLCC CWSLO #** |
| The student demonstrates basic skills when working in a manufacturing lab. | 1, 6 |
| The student demonstrates basic skills when working in a research lab. | 1, 6 |
| The student completes their internship hours in InnovaBio®, STUDENTfacturED®, or another approved facility. | 1, 6 |
| The student presents a plan for an evidence-based research project. | 1, 4, 6 |
| The student completes a faculty-approved research project. | 1, 4, 6 |
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See [SLCC Assessment webpage](http://www.slcc.edu/assessment/index.aspx) for additional details about College-Wide Student Learning Outcomes

**A representative syllabus must be included.**

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**How were AIC comments addressed by School Curriculum Committee?**

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| *For Catalog Office Use Only*  Course Level: Grading Mode:  Occupational Code: Classification:  Impact on other SLCC courses and/or programs: |

SLCC Curriculum & Articulation Office // template approved by Faculty Senate (2017-05-01)