

# Biotechnology Experience

BTEC - 2000 301

## 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.

Prerequisite: BTEC 1300 with a B or better

Semester: All

## Course Student Learning Outcomes

---

- Demonstrate basic skills when working in a manufacturing lab.
- Demonstrate basic skills when working in a research lab.
- Complete their internship hours in InnovaBio®, STUDENTfacturED®, or another approved facility.
- Present a plan for an evidence-based research project.
- Complete a faculty-approved research project.

## Engagement Plan

---

Example language:

- I will respond to email within 48 hours. I will offer feedback on major assignments within 48 hours. The best way to contact me is via the Canvas Inbox, as I will prioritize this email over other modes of communication.

- In this course I will be posting interactive announcements which will offer specific opportunities for class questions and extra credit every other week.
- Additionally, I will be participating in the discussion forums with you to share my perspective within the discipline and to offer some nuances of interpretation that may not be present in your textbook.
- Lastly, we'll be holding small group Q & A sessions, where we can learn from our peers (and faculty) on some of the more difficult units within the course.

## Brief Description of Assignments/Exams

---

- Lab Participation & Technique: Students are evaluated on their consistency, safety, and professionalism in the lab. Active participation and correct use of lab equipment are essential.
- Lab Reports: Reports written in lab notebook submitted after lab activities. Each includes background, methods, results, discussion, and references.
- Research Project Proposal: A plan outlining the student's chosen research project, including background, hypothesis, methods, and expected outcomes.
- Research Project & Presentation: Students conduct a small-scale research project, document results, and present findings in both written format and a final oral/poster presentation.
- .

## Assignment Schedule

---

Due Date	Assignment Name	Assignment Type	Points
	<a href="#">Introduce Yourself</a>	Discussion	0
	<a href="#">Introduce Yourself</a>	Discussion	0
	<a href="#">Introduce Yourself</a>	Discussion	0
8/28/25	<a href="#">Orientation Meeting</a>	Assignment	100

Due Date	Assignment Name	Assignment Type	Points
9/12/25	<a href="#">InnovaBio® 100 Hours Log Week 3</a>	Assignment	100
9/12/25	<a href="#">Lab Notebook Week 3</a>	Assignment	100
9/18/25	<a href="#">Introduce Yourself</a>	Discussion	5
9/18/25	<a href="#">Research Proposal</a>	Assignment	100
9/30/25	<a href="#">Project Flowchart Assignment</a>	Assignment	100
9/30/25	<a href="#">Selecting a Primary Paper</a>	Assignment	100
10/13/25	<a href="#">Preliminary Proposal</a>	Assignment	100
10/13/25	<a href="#">Write an Abstract for Your Project</a>	Assignment	100
11/17/25	<a href="#">Annotated Project Flowchart</a>	Assignment	200
12/9/25	<a href="#">InnovaBio® Reflection</a>	Assignment	100
12/9/25	<a href="#">PowerPoint Presentation</a>	Assignment	400
12/9/25	<a href="#">Prepare Figures and Tables</a>	Assignment	100
12/9/25	<a href="#">Project Poster</a>	Assignment	400
12/9/25	<a href="#">Use Excel to analyze data from your project</a>	Assignment	100

## Grading Scale

---

- A: 90–100%
- B: 80–89%
- C: 70–79%
- D: 60–69%
- E: Below 60%

## How to Navigate to Canvas

---

## Institutional Policies

---

As members of our academic community, we would like to invite you to review the Institutional Syllabus which covers important policies and procedures. This document contains important links for students on the code of student rights and responsibilities, academic integrity, and grading policies, Title IX and other important acknowledgements. By familiarizing yourself with this information, you can help us create a safe and respectful environment for everyone.

For more information, navigate to the Institutional Policies tab on the [Institutional Syllabus](#) page.

## Learning Support and Tutoring Services

---

We are pleased to offer a range of tutoring and learning support services to help you achieve your academic goals. Whether you need assistance with a specific subject or want to improve your study skills, you have many options for tutoring or other support.

To learn more about the services we offer and how to access them, visit the [Institutional Syllabus](#) page under the Tutoring and Learning Support tab. We encourage you to take advantage of these resources to help you succeed in your studies. If you have any questions or would like to schedule a tutoring session, please don't hesitate to reach out to us. We are here to support you in any way we can.

## Advising and Counseling Support Services

---

At our institution, we are committed to supporting your academic and personal growth. That's why we offer a range of advising and counseling services to help you navigate the challenges of college life. To learn more about the resources available to you and how to access them, visit the [Institutional Syllabus](#) page under the Advising and Counseling Support Services tab. Our advising team and the support centers across campus are here to support you in achieving your goals and overcoming any obstacles you may face.

## Student Academic Calendar

---

As students you should be aware of all important dates in the semester, such as the day that courses begin and end, as well as the drop date and the last day to withdraw. To learn more about those dates, navigate to the Student Academic Calendar below:

[SLCC Student Academic Calendar](#)