

## **Extension of Academic Program: B.S. in Biochemistry and Molecular Biology at OSU-Cascades**

### **BACKGROUND**

#### **Program Proposed Start Date**

Fall 2022

#### **Program Description**

Faculty propose to offer the B.S. degree in Biochemistry and Molecular Biology at the OSU-Cascades campus in a collaboration between OSU-Cascades and the Biochemistry and Molecular Biology program in the Department of Biochemistry and Biophysics within the College of Science at the OSU-Corvallis campus.

#### **Program Context**

The academic home for the program is in the Department of Biochemistry and Biophysics. The administration of the program in Bend will be overseen by OSU-Cascade's Dean of Academic Affairs and an OSU-Cascades program coordinator, Kristina Smith. There are adequate resources to support the program in Bends in terms of facilities, faculty, student support services, and library holdings (available through the Corvallis campus).

The program will not differ from that delivered at the Corvallis campus. The curriculum, catalog description, and degree learning outcomes and assessment plan (including direct measures of student learning) will be aligned across campuses. All courses needed to complete the major will be offered face-to-face in Bend.

Students in this major are a part of OSU-Cascades, where student services exist for academic advising, financial aid, course registration, textbook purchases, a career development center, veterans' support services, experiential learning access, tutoring and student support disability services, and mental health counseling. Where appropriate, students at OSU-Cascades also have access to online services, such as the Writing Center and technology support services, provided on the Corvallis campus.

#### **Program Purpose/Relationship to University Mission/Strategic Plan**

The B.S. in at OSU-Cascades directly addresses OSU's Strategic Plan 4.0 to provide access to rich educational opportunities for students. First year students who attend public universities typically do so within 50 miles of their homes as these students are most often place-bound and seek higher education closer to their current residence and employment.

#### **Need for the Program**

Other public institutions in Oregon offer a degree in Biochemistry and Molecular Biology. The synergy created by the Biochemistry and Molecular Biology degree programs in the state of Oregon will provide accessible educational opportunities for all regions of the state. The Biochemistry and Molecular Biology programs at these institutions are complementary as regional schools as well as state institutions contribute to the health of their regional economies and communities.

**Program Financials**

The estimate of enrollment was completed using data from trends in completions from Hanover Research. The estimate of the first five years of enrollment was also based on historical growth trends for new programs at OSU-Cascades.

All instructors in the program in Bend will have their credentials vetted by faculty in the Department of Biochemistry and Biophysics in Corvallis. For FY2023 (the first year of the program, or zero year), we will hire a part-time instructor to teach three courses in the major and act as the initial program coordinator. Instructors at OSU-Cascades hold a minimum of a master’s degree in their field (PhD preferred) and provide evidence of teaching experience and success.

During FY2023, a search will be conducted for a tenure track professor who will take on the role as the OSU-Cascades program coordinator, teach 5-6 courses in the program, and assist the Dean of Academic Affairs and the program coordinator in Corvallis in rolling out additional courses and recruiting additional part-time faculty. The full complement of courses needed for a student to complete this major can be fulfilled with a full-time instructor or tenure track professor with a limited number of courses taught by part-time faculty.

Advisors at OSU-Cascades are assigned at the ratio of 1 FTE per 275 student headcounts. At program maturity, we anticipate that 0.5 FTE of advising staff will be assigned to the Biochemistry and Molecular Biology program. No other support staff will be needed. The budget is summarized in the table below.

	Academic Year 2022-23	Academic Year 2023-24	Academic Year 2024-2025	Academic Year 2025-26
<b>COSTS</b>				
<b>Personnel</b>				
Faculty (T/TT & fixed term) & Staff	---	\$22, 146	\$106,810	\$110,015
OPE	---	\$5,344	\$54,727	\$57,447
<b>Personnel Subtotal</b>	---	<b>\$27,490</b>	<b>\$106,810</b>	<b>\$167,462</b>
<b>Other Resources</b>				
Library printed/electronic	\$0	\$0	\$0	\$0
Services & Supplies: office supplies, postage, professional development, student workers, student transportation to coast	\$2,500	\$2,500	\$6,955	\$7,038
<b>Other Resources Subtotal</b>	<b>\$2,500</b>	<b>\$2,500</b>	<b>\$6,955</b>	<b>\$7,038</b>
<b>TOTAL COSTS</b>	<b>\$2,500</b>	<b>\$29,990</b>	<b>\$168,492</b>	<b>\$174,500</b>
<b>INCOME/SUPPORT</b>				
Tuition & Degree Conferrals*	\$77,500	\$29,900	\$270,492	\$174,500
MSI Support	\$0	\$0	\$0	\$0
<b>TOTAL INCOME/SUPPORT</b>	<b>\$77,500</b>	<b>\$29,900</b>	<b>\$270,492</b>	<b>\$174,500</b>

\*In its initial year (AY 2022-23) and thereafter, projected tuition and degree conferrals will generate revenue sufficient to fully cover projected program costs.

All appropriate university committees and the OSU Faculty Senate have positively reviewed the proposed program.

**RECOMMENDATION**

The provost recommends that the Academic Strategies Committee approve the establishment of a B.S. in Biochemistry and Molecular Biology at OSU-Cascades, effective fall 2022, pending support of the Statewide Provosts Council and the approval of the Higher Education Coordinating Commission.