

# *Molecular Biotechnology, Graduate Certificate (Portland)*

The graduate certificate in molecular biotechnology has been designed in response to a need in the biotechnology industry for individuals with an advanced knowledge of the principles and practices of state-of-the-art molecular biology techniques and advanced protein structure analysis. Individuals, particularly those who are working in the various sectors of biotechnology including basic research of biological systems, discovery, development and manufacturing of biopharmaceuticals, will improve their competency and learn new practical skills enabling them to increase productivity and further contribute to their professions.

## **Program Requirements**

Complete all courses and requirements listed below unless otherwise indicated.

### **Core Requirements**

<b>Code</b>	<b>Title</b>	<b>Hours</b>
BIOT 5700	Molecular Interactions of Proteins in Biopharmaceutical Formulations	3
BIOT 5750	Molecular Approaches in Biotechnology	3
BIOT 5810	Cutting-Edge Applications in Molecular Biotechnology	3
BIOT 5850	Higher-Order Structure Analytics	3

### **Program Credit/GPA Requirements**

12 total semester hours required

Minimum 3.000 GPA required