

THINKING BEYOND JUST SCIENCE

Biotechnology Graduate Programs at UMBC



M.P.S. Biotechnology Program Sequence

The chart below provides guidance about course selection based on a fall start. Please note that the science courses (BTEC 650 through BTEC 654) must be taken in order, and the first science course is offered each fall. Most students elect to take two courses each semester, the required science course and a non-science course. Of course, students have the option of taking only one course each semester, but doing that will delay time to graduation. If you have questions about the appropriate course(s) to register for, please contact Lisa Gambino at gambino@umbc.edu or **410-455-3034**.

	FALL	SPRING	SUMMER
YEAR 1	<p>(Required Science 1) <u>BTEC 650 - Applied Biochemistry</u></p> <p>BTEC 660 Regulatory Issues ◉ <i>offered hybrid every other year</i> OR BTEC 665 Management, Leadership & Communication ◉ ✦ OR BTEC 680 Financial Management ◉ ✦ OR BTEC 685 Project Management ✦ OR BTEC 690 Innovation and Technology Entrepreneurship ✦</p>	<p>(Required Science 2) <u>BTEC 651 - Molecular & Cell Biology</u></p> <p>BTEC 662 Good Manufacturing Practices <i>offered hybrid every other year</i> OR BTEC 680 Financial Management ✦ OR BTEC 670 Legal & Ethical Issues ◉ OR BTEC 685 Project Management ✦</p>	<p>(Required Science 3) <u>BTEC 652 -Molecular Biotechnology</u></p> <p>BTEC 665 Management, Leadership & Communication ◉ ✦ OR BTEC 685 Project Management ✦</p>
YEAR 2	<p>(Required Science 4) <u>BTEC 653 - Applied Bioprocess Engineering</u></p> <p>BTEC 680 Financial Management ◉ ✦ OR BTEC 665 Management, Leadership & Communication ◉ ✦ OR BTEC 690 Innovation and Technology Entrepreneurship ✦ OR BTEC 685 Project Management ✦</p>	<p>(Required Science 5) <u>BTEC 654 -Emerging Topics in Biotechnology</u></p> <p>BTEC 662 Good Manufacturing Practices <i>offered hybrid every other year</i> OR BTEC 680 Financial Management ◉ ✦ OR BTEC 670 Legal & Ethical Issues ◉ OR BTEC 685 Project Management ✦</p>	<p>Degree Requirements:</p> <p>(5) Life Science: BTEC 650 - 654</p> <p>(4) Core Management Courses: BTEC 660, 665, 670, 670</p> <p>(1) Elective Course from the following: BTEC 662, 685, 690</p>

✦ Hybrid courses meet 50% in-class and 50% online.

◉ Denotes required course. Please note that science courses listed in green are required courses.