



## Master in Professional Studies: Biotechnology Academic Planning Form

General Information		
Student Name: _____		
Program Director: Dr. Stephen Miller   <a href="mailto:stmiller@umbc.edu">stmiller@umbc.edu</a> Associate Director: Dr. Sheldon Broedel   <a href="mailto:broedel@umbc.edu">broedel@umbc.edu</a>		
Admission date: _____    Projected Graduation Date: _____		
NOTE: This form serves as unofficial guidance in planning your MPS program. In coordination with the Program Director you may edit or modify your desired courses (where possible & appropriate) at any point while at UMBC.		
Academic Plans and Record (Program requires 10 courses, 30 credits)		
Course	Course Title	Semester Planned
<b>Biotechnology Science Courses (15 credits) These courses must be taken in the sequence listed below.</b>		
BTEC 650	Applied Biochemistry	Fall 1
BTEC 651	Molecular and Cell Biology	Spring 1
BTEC 652	Molecular Biotechnology	Summer 1
BTEC 653	Applied Bioprocess Engineering	Fall 2
BTEC 654	Emerging Topics in Biotechnology (capstone)	Spring 2
<b>Core Management Required Courses (12 credits) These courses must be taken in the sequence listed below.</b>		
BTEC 660 (1)	Regulatory Issues in Biotechnology	Fall 1
BTEC 670* (2)	Legal and Ethical Issues in the Science Professions	Spring 1
BTEC 680* (3)	Financial Management for Science Professionals	Summer 1
BTEC 665* (4 or 5)	Management, Leadership, and Communication	Fall or Spring 2
<b>Elective Courses (3 credits) Choose from one of the following</b>		
BTEC 690 (4)	Innovation and Technology Entrepreneurship	Fall 2
BTEC 685* (4 or 5)	Project Management Fundamentals	Fall or Spring 2
BTEC 662 (5)	Good Manufacturing Practices for Bioprocesses	Spring 2
<p><b>Special Note: When necessary, please contact Nancy Clements at <a href="mailto:nancyc@umbc.edu">nancyc@umbc.edu</a> for course permission.</b></p> <ul style="list-style-type: none"> <li>In order to complete the MPS program within 5 semesters you will need to take two courses per semester- 1 required science and 1 core management or elective course</li> <li>*Denotes Certificate in Biotechnology Management required courses (all credits earned in this certificate may be applied to the MPS Biotechnology degree)</li> <li>For more information regarding the Graduate Biotechnology Program and curriculum please visit: <a href="http://umbc.edu/biotech">umbc.edu/biotech</a></li> <li>A Certificate in Biochemical Regulatory Engineering is available. Please see website for details: <a href="http://umbc.edu/biotech/programcert2">umbc.edu/biotech/programcert2</a></li> </ul>		
<p><b>Note:</b> The Graduate School has a "continuous registration" policy which states you must register each fall and spring semester until you have completed your program of study. If you do not register you are automatically placed on a Leave of Absence (LOA). After three consecutive semesters of LOA, your student account will be discontinued. You may have to reapply to the Graduate School to be reinstated.</p>		