



University of Maryland University College Graduate School of Management & Technology

Master of Science in Biotechnology Studies

Bioinformatics Practice specialization

(For students who started their program prior to fall 2007)

Please fill in the study plan, indicating course as completed.

Student Name _____ Empl id _____ Date _____

KEY:

- Courses highlighted in **bold blue** indicate core courses included in the fall 2007 curriculum for the Master of Science in biotechnology (5 core courses needed).
- Courses highlighted in *italicized pink* indicate specialization courses included in the fall 2007 curriculum for the bioinformatics specialization (7 specialization courses needed).
- Additional courses may be needed to complete the fall 2007 curriculum. See the catalog for more information.

If Following Curriculum Prior to Fall 2007				
Prior to Fall 2007		Fall 2007 Course # and Title		
Required core courses				
Course #	Course Title	Course #	Course Title	Semester Completed
BIOT 640	Societal Issues in Biotechnology(3)	BIOT 640	Societal Issues in Biotechnology (3)	
BIOT 610	Introduction to Bioinformatics (3)	BIOT 630	Introduction to Bioinformatics(3)	
BIOT 641	Commercializing Biotechnology in Early-Stage Ventures (3)	BTMN 632	Commercializing Biotechnology in Early-Stage Ventures (3)	
BIOT 642	Selection and Evaluation of Biotechnology Projects (3)	BTMN 634	Selection and Evaluation of Biotechnology Projects (3)	
BIOT 643	Techniques of Biotechnology (3)	BIOT 643	Techniques of	

			Biotechnology (3)	
BIOT 644	Biotechnology and the Regulatory Environment (3)	BTMN 636	Biotechnology and the Regulatory Environment (3)	
BIOT 645	The Business of Biotechnology (3)	BIOT 645	The Business of Biotechnology (3)	
And four specialization courses:				
BIOT 613	Statistical Processes for Biotechnology (3)	BIFS 613	Statistical Processes for Biotechnology (3)	
BIOT 617	Advanced Bioinformatics (3)	BIFS 617	Advanced Bioinformatics (3)	
CSMN 614	Data Structures and Algorithms (3)	BIFS 614	Data Structures and Algorithms (3)	
CSMN 661	Relational Database Systems (3)	DBST 651	Relational Database Systems (3)	
Capstone : You must complete 27 hours of graduate coursework before enrolling in the capstone course.				
BIOT 671	Capstone in Biotechnology Studies	BTMN 670	Capstone in Biotechnology management	

NOTE: For the **MS in biotechnology – bioinformatics specialization** fall 2007 curriculum, the following core and specialization courses are needed in addition to those highlighted above:

		PMAN 634	Foundations of Project	
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			Management	
		<i>BIFS 618</i>	Java for Biotechnology Applications	
		<i>BIFS 619</i>	Gene Expression Data Analysis	