

B.A. or B.S. in _____

Student's Name _____

From _____

Entrance Date _____

The Department of Natural Sciences and Engineering Technology has designed a Post-Baccalaureate program leading to the Bachelor of Science degree with a major in Biotechnology. This program, requiring a total of thirty (30) credits make it possible for students with Baccalaureate degrees in other areas to complete requirements in a second field with a minimum expenditure of time. This makes the programs attractive to the mature student because he/she can utilize his/her past education and experience.

PREREQUISITES TO THE PROGRAM				20
___	BIOL	216	Introductory Microbiology	4
___	BIOL	222	Introduction to Genetics	4
___	CHEM	221	Organic Chemistry	3
___	CHEM	222	Organic Chemistry/ Biochemistry	3
___	MATH	175	Elementary Statistics	3
___	CMPS	___	_____	3
			100 Level	

Program Requirements				30
___	BIOL	350	Molecular/Cellular Biology	4
___	BTEC	300	Receptors, Signaling Pathways and Cellular Control Mechanisms	3
___	BTEC	310	Emerging Life Science Technology	3
___	BTEC	350	Genomics and Proteomics	3
___	BTEC	400	Animal Modeling of Disease	3
___	BTEC	410	Biotechnology Laboratory I	2
___	BTEC	420	Biotechnology Laboratory II	3
___	BTEC	450	Drug Discovery and Development	3
___	BMGT	101	Introduction to Business	3
___	CMPS	204	C Programming for Science and Technology	3

MOS 9/17/09
Dean's Initials/Chair's Initials/Date

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CORE REQUIREMENTS 36

___	ENGL	150	English Composition I	3
___	ENGL	151	English Composition II	3
___	ENGL	218	Technical Writing	3
___	ENGL	250	World Literature I	OR
___	ENGL	251	World Literature II	
___	COPA	250	Arts & Hum. Experience I	3
___	COPA	251	Arts & Hum. Experience II	OR
___	CINE	302	Cinema	3
___	HIST	150	Intro. to Study of History	3
___	MATH	180	College Algebra	3
___	NSET	101	Intro. to Nat. Sci. & Eng. Tech.	3
___	POLS	250	Intro. to the Govt. Systems	OR
___	POLS	102	American National Govt.	3
___	PSYC	150	Psychological Foundations	3
___	SOC	105	Marriage and the Family	OR
___	SOC	150	Sociological Foundations	OR
___	SOC	111	World Cultures	3

DEPARTMENT GENERAL REQUIREMENTS 32

___	CHEM	101	General Chemistry I	3
___	CHEM	102	General Chemistry II	3
___	CHEM	103	General Chemistry Lab. I	1
___	CHEM	104	General Chemistry Lab. II	1
___	PHYS	101	Physics I	3
___	PHYS	102	Physics II	3
___	PHYS	103	Physics Lab. I	1
___	PHYS	104	Physics Lab. II	1
___	MATH	175	Elementary Statistics	3
___	MATH	185	Trigonometry	2
___	MATH	190	Calculus I	4
___	MATH	210	Calculus II	4
___	MATH	230	Linear Algebra I	OR
___	MATH	310	Differential Equations	

DEPARTMENT MAJOR REQUIREMENTS 63

___	BIOL	334	Occupational Safety & Health	3
___	ETGR	205	Engineering Tech. Graphics	3
___	EET	102	DC Circuits	3
___	EET	103	AC Circuits	3
___	EET	104	DC Circuits Laboratory	1
___	EET	105	AC Circuits Laboratory	1
___	ET	405	Fund. of Engr. Examination I	0
___	ET	406	Fund. of Engr. Examination II	0
___	ET	407	Prof. Prob. in Engr. Tech.	3
___	MET	101	Statics	3
___	MET	102	Dynamics	3
___	MET	212	Properties of Materials	3
___	MET	213	Strength of Materials	3
___	MET	214	Strength of Materials Laboratory	1
___	MET	215	Thermodynamics	3
___	MET	320	Kinematics of Machine Elements	4
___	MET	331	Engr. Des. Using Pro/ENGINEER®	3
___	MET	404	Heat Transfer	3
___	MET	406	Heat Transfer Laboratory	1
___	MET	411	Fluid Mechanics	3
___	MET	412	Fluid Mechanics Laboratory	1
___	MET	416	Mechanical Vibrations	3
___	MET	421	Machine Design	4
___	MET	424	Finite Element Analysis (FEA)	3
___	MET	425	FEA with ANSYS®	2
___	CMPS	204	C Prog. for Sci. & Tech.	3

GENERAL ELECTIVES 6

___	___	___	___	3
___	___	___	___	3

Dean's Initials/Chair's Initials/Date

MMF 8/31/09