

2006-2008 UTD DEGREE PLAN - MOLECULAR BIOLOGY MAJOR with Minor in Microbiology

rev.4/07/06

NAME: _____

FACULTY ADVISOR: _____

PRE-HEALTH: YES NO

SS or ID #: _____

PHONE: _____

AREA: _____

PHONE: _____

MATRICULATION DATE: _____

DOUBLE MAJOR: _____

DEGREE SOUGHT: BS

TASP COMPLETED: _____

TEACHER CERT.: 2nd FIELD

I. CORE CURRICULUM 27 Hrs (24 LL ,lower level; 3 UL ,upper level)				III. MOLECULAR BIOLOGY CORE 36 Hrs (10 LL/26 UL)			
Rhetoric (Composition II)	RHET 1302	3		Intro to Modern Biology I & wkshp	BIOL 2311,2111	4	
Advanced Writing (Communication Elective) ¹	BIOL	3		Intro to Modern Biology II & wkshp	BIOL 2312, 2112	4	
US & Texas History ²		3		Intro Biology Lab	BIOL 2281	2	
US & Texas History ²		3		Classical & Molec Genetics & wkshp	BIOL 3301, 3101	4	
Constitutional Fd & Pol Behav US & TX	GOVT 2301	3		Molecular & Cell Biology & wkshp	BIOL 3302, 3102	4	
Political Institutions in US & TX	GOVT 2302	3		Biochemistry I & wkshp	BIOL 3361, 3161	4	
Visual & Performing Arts ²		3		Biochemistry II & wkshp	BIOL 3362, 3162	4	
Humanities ²		3		Biochemistry Lab	BIOL 3380	3	
Social & Behavioral Sciences ²		3		Biophysical Chemistry	BIOL 4461	4	
II. MATH & SCIENCE 35-36 Hrs (26-30 LL, 6-9 UL)				Cell Biology Lab	BIOL 4380	3	
Calculus I	MATH 2417	4		or Undergrad Research in Mol Bio ⁴	BIOL 3V96	3	
Calculus II	MATH 2419	4		or Sr Research & Advanced Writing ⁴	BIOL 4390	3	
Multivariable Calculus	MATH 2451	4		or Sr Honors Research & Thesis ⁴	BIOL 4399	3	
or Statistics for Life Sciences	STAT 3332	3		IV. MOL BIOLOGY-RELATED BIOL & CHEM ELECTIVES 12 Hrs (All UL)			
General Chemistry I	CHEM 1311	3				3	
General Chemistry Lab I	CHEM 1111	1				3	
General Chemistry II	CHEM 1312	3				3	
General Chemistry Lab II	CHEM 1112	1				3	
Intro Organic Chemistry I ³	CHEM 2323	3		V. MICROBIOLOGY MINOR 12-17 Hrs ⁵ (All UL)			
Intro Organic Chemistry Lab I	CHEM 2123	1		General Microbiology with Lab ⁶	BIOL 3V20	5	
Intro Organic Chemistry II ³	CHEM 2325	3		Microbial Physiology ⁶	BIOL 3335	3	
Intro Organic Chemistry Lab II	CHEM 2125	1		Medical Microbiology	BIOL 4340	3	
Physics for BioSciences I (Mech. & Heat)	PHYS 3341	3		or Parasites & Symbionts	BIOL 4316	3	
Physics Lab I	PHYS 2125	1		Immunobiology	BIOL 4345	3	
Physics for BioSciences II(Electro. & Waves)	PHYS 3342	3		UL Microbiology elective	BIOL	3	
Physics Lab II	PHYS 2126	1		VI. FREE ELECTIVES 1-7 Hrs			
				Oral Communications ⁶	RHET 1101	1	
						3	
						2-3	

¹ It is recommended that students take an UL advanced writing elective in the major (i.e., BIOL 4337 Seminal Papers in Bio, BIOL 4390 Sr Research & Advanced Writing, or BIOL 4399 Sr Honors Research & Thesis) to satisfy this requirement. See advisor for alternatives

²See advisor for a list of approved core courses, which may be taken at the lower or upper level. UL is recommended for transfer students in order to meet the 51 UL credit hour graduation requirement.

³Satisfies the Advanced Elective requirement.

⁴These substitutes for BIOL 4380 require permission of the Biology Undergraduate Advisor to ensure equivalent training in recombinant DNA analysis.

⁵General Microbiology Lab (2 hrs) and Microbial Physiology may be used to satisfy the Biochemistry II and Cell Biology Lab requirements of the major and replaced with Organic Chemistry hrs for the minor.

⁶ Required only for freshmen.

TRANSFERRED HOURS: LL _____ UL _____

UTD HOURS: LL _____ UL _____

MINIMUM SEMESTER HOURS: 129* (51 Hours Required at UL)

*Transfer students w/8 hours in Biology I & II w/lab may graduate w/a minimum of 127 hours.

Degree Plan Approved: _____
Undergraduate Advisor Date

Final Degree Plan Approved: _____
(For Graduation)