

Pre-Health: YES NO

**2008-2010 Molecular Biology Major**

Faculty Advisor: \_\_\_\_\_

Need 51 Upper Level Hours Required for Graduation

**Bachelor of Science**

Contact Info: \_\_\_\_\_

STUDENT NAME:						
STUDENT ID:						
Course Title	Course #	HR	UTD	Grade	Transfer	
<b>Core Curriculum 27 Hrs</b>						
Rhetoric	RHET 1302	3				
US & Texas History <sup>2</sup>		3				
US & Texas History <sup>2</sup>		3				
US/TX Government	GOVT 2301	3				
US/TX Government	GOVT 2302	3				
Humanities <sup>2</sup>		3				
Visual & Performing Arts <sup>2</sup>		3				
Social & Behavioral Science <sup>2</sup>		3				
<b>Math &amp; Science 35-36 Hrs (26-30 LL, 6-9 UL)</b>						
Calculus I	MATH 2417	4				
Calculus II	MATH 2419	4				
Linear Algebra	MATH 2418	4				
General Chemistry I	CHEM 1311	3				
General Chemistry Lab I	CHEM 1111	1				
General Chemistry II	CHEM 1312	3				
General Chemistry Lab II	CHEM 1112	1				
Intro Organic Chemistry I <sup>3</sup>	CHEM 2323	3				
Intro Organic Chemistry Lab I	CHEM 2123	1				
Intro Organic Chemistry II <sup>3</sup>	CHEM 2325	3				
Intro Organic Chemistry Lab II	CHEM 2125	1				
Physics for BioSciences I (Mechanics & Heat)	PHYS 3341	3				
Physics Lab I	PHYS 1101	1				
Physics for BioSciences II <sup>5</sup> (Electro. & Waves)	PHYS 3342	3				
College Physics Lab II <sup>5</sup>	PHYS 1102	1				

<sup>1</sup> It is recommended that students take an UL Advanced Writing Elective in the major (i.e., BIOL 4337 Seminal Papers in BIOL, BIOL 4390 Sr. Research & Advanced Writing or BIOL 4399 Sr. Honors Research & Thesis) to satisfy this requirement

<sup>2</sup> Refer to course catalog/see an advisor for a list of approved core courses

<sup>3</sup> Satisfies the Advanced Elective Requirement

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

<sup>5</sup> These upper level hours are used to satisfy the 51 upper level hour graduation requirement

PREPARED BY:						
DATE:						
Course Title	Course #	HR	UTD	Grade	Transfer	
<b>Molecular Biology Core 36 hrs (10 LL/21 UL)</b>						
Intro to Modern Biology I & Wkshp	BIOL 2311/2111	4				
Intro to Modern Biology II & Wkshp	BIOL 2312/2112	4				
Intro to Biology Lab	BIOL 2281	2				
Classical & Molec. Genetics & Wkshp	BIOL 3301/3101	4				
Molecular & Cell Biology & Wkshp	BIOL 3302/3102	4				
Biochemistry I & Wkshp	BIOL 3361/3161	4				
Biochemistry II & Wkshp <sup>7</sup>	BIOL 3362/3162	4				
Biochemistry lab	BIOL 3380	3				
Biophysical Chemistry	BIOL 4461	4				
Cell Biology Lab	BIOL 4380	3				
OR Undergrad Research in Mol Bio <sup>4</sup>	BIOL 3V96	3				
OR Sr Research & Advanced Writing <sup>4</sup>	BIOL 4390	3				
OR Sr Honors Research & Thesis <sup>4</sup>	BIOL 4399	3				
<b>Molecular Biology- Related BIOL &amp; CHEM Electives 12 Hrs (All UL)</b>						
Advanced Writing	BIOL	3				
		3				
		3				
		3				
<b>Free Electives 18019 Hrs (At least 1-4 UL)<sup>5</sup></b>						
Oral Communications <sup>6</sup>	RHET 1101	1				
		3				
		3				
		3				
		3				
		3				
		3-4				

**Minimum Semester Hours: 129\* (51 upper level hours)**

\* Transfer students w/ 8 hours in Biology I &amp; II w/ lab will graduate with a minimum of 127 hours

<sup>6</sup> Required for Freshman Only<sup>7</sup> May substitute BIOL 3335 Microbial Physiology