

Name \_\_\_\_\_

ID # \_\_\_\_\_

## Genetics Degree Plan

Major Coursework (C or Better) -31 hours			
Course	Semester Taken	Hours	Grade
GENE 101		1	
GENE 302		3	
GENE 312		1	
GENE 412		3	
GENE 431		3	
*GENE 432		2	
GENE Elective		3	
GENE Elective		3	
GENE Elective		3	
BICH 404		2	
BICH 440		3	
GENE 491		2	
GENE 491		1	
GENE 491-W		1	

Supporting Coursework -26 hours			
Course	Semester Taken	Hours	Grade
BIOL 111		4	
BIOL 112		4	
*BIOL 351		4	
BICH 441		3	
^CHEM 227		3	
^CHEM 237		1	
^CHEM 228		3	
^CHEM 238		1	
STAT 302		3	

Communication -6 hours			
Course	Semester Taken	Hours	Grade
ENGL 104		3	
ENGL 210		3	

Life & Physical Sciences -16 hours			
Course	Semester Taken	Hours	Grade
CHEM 101		3	
CHEM 111		1	
CHEM 102		3	
CHEM 112		1	
PHYS 201		4	
PHYS 202		4	

**Language, Philosophy & Culture -3 hours			
Course	Semester Taken	Hours	Grade
		3	

Mathematics -8 hours			
Course	Semester Taken	Hours	Grade
*MATH 151		4	
*MATH 152		4	

**Creative Arts- 3 hours			
Course	Semester Taken	Hours	Grade
		3	

***International and Cultural Diversity -6 hours			
Course	Semester Taken	Hours	Grade
		3	
		3	

**Social and Behavioral Sciences -3 hours			
Course	Semester Taken	Hours	Grade
		3	

Electives -12 hours			
Course	Semester Taken	Hours	Grade

American HIST and GOVT/POLS -12 hours			
Course	Semester Taken	Hours	Grade
HIST_____		3	
HIST_____		3	
POLS 206		3	
POLS 207		3	

H.S. Foreign Language (2 years) \_\_\_\_\_

\*has alternative courses    \*\*courses can overlap with ICD

\*\*\*if courses do not overlap then courses come from electives    ^ Must attain a grade of C or Better to get credit

KEY:

<b>BICH 404</b>	Biochemical Calculations
<b>BICH 440</b>	Biochemistry I
<b>BICH 441</b>	Biochemistry II
<b>BIOL 111</b>	Introductory Biology I
<b>BIOL 112</b>	Introductory Biology II
<b>BIOL 351</b>	Microbiology (Writing Intensive)
<b>CHEM 101/111</b>	Fundamentals of Chemistry I & Lab
<b>CHEM 102/112</b>	Fundamentals of Chemistry II & Lab
<b>CHEM 227/237</b>	Organic Chemistry I & Lab
<b>CHEM 228/238</b>	Organic Chemistry II & Lab
<b>ENGL 104</b>	Composition & Rhetoric
<b>ENGL 210</b>	Technical and Business Writing
<b>GENE 101</b>	Perspectives in Biochemistry and Genetics (cross-listed with BICH 101)
<b>GENE 302</b>	Principles of Genetics
<b>GENE 312</b>	Comprehensive Genetics Lab
<b>GENE 412</b>	Population Genetics
<b>GENE 431</b>	Molecular Genetics (cross-listed with BICH 431)
<b>GENE 432</b>	Molecular Genetics Lab (cross-listed with BICH 432) (Writing Intensive)
<b>GENE 491</b>	Research
<b>MATH 151</b>	Engineering Math I (Calculus I)
<b>MATH 152</b>	Engineering Math II (Calculus II)
<b>PHYS 201</b>	College Physics I
<b>PHYS 202</b>	College Physics II
<b>POLS 206</b>	American National Government
<b>POLS 207</b>	State & Local Government
<b>STAT 302</b>	Statistical Methods

**American History Electives:** Select from HIST 105, 106, or other acceptable US History courses. May use 3 hours of Texas History for this requirement; may overlap with ICD (i.e. HIST 258 ...others available).

**Creative Arts Elective:** Refer to core curriculum list; may overlap with ICD (i.e. ARTS 150, ENDS 101; THAR 201...others available).

**Elective:** Any course not used elsewhere in the major except lower-level and non-major courses.

**ICD Elective:** International & Cultural Diversity; refer to core curriculum list and try to overlap when possible to keep free electives open.

\*GENE 432 alternatives: BICH 414; BICH 432  
\*MATH 152 alternative: MATH 172

\*MATH 151 alternative: MATH 171  
\*BIOL 351 alternative: BIOL 413 and 423

Electives **cannot** be BICH 303; BICH 410-412; ENGL 100-102; MATH 100-104; 130-150, 230

**Two courses in the degree plan must be a Writing Intensive course designated by the department in the schedule of classes: Approved courses: GENE 491, see advisor for additional courses.**