

Name _____

ID # _____

Genetics Degree Plan

Major Coursework (C or Better) -32 hours			
Course	Semester Taken	Hours	Grade
GENE 105		2	
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 -11 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:

BICH 404	Biochemical Calculations
BICH 440	Biochemistry I
BICH 441	Biochemistry II
BIOL 111	Introductory Biology I
BIOL 112	Introductory Biology II
BIOL 351	Microbiology (Writing Intensive)
CHEM 101/111	Fundamentals of Chemistry I & Lab
CHEM 102/112	Fundamentals of Chemistry II & Lab
CHEM 227/237	Organic Chemistry I & Lab
CHEM 228/238	Organic Chemistry II & Lab
ENGL 104	Composition & Rhetoric
ENGL 210	Technical and Business Writing
GENE 105	Perspectives in Genetics (cross-listed with BICH 107)
GENE 302	Principles of Genetics
GENE 312	Comprehensive Genetics Lab
GENE 412	Population Genetics
GENE 431	Molecular Genetics (cross-listed with BICH 431)
GENE 432	Molecular Genetics Lab (cross-listed with BICH 432) (Writing Intensive)
GENE 491	Research
MATH 151	Engineering Math I (Calculus I)
MATH 152	Engineering Math II (Calculus II)
PHYS 201	College Physics I
PHYS 202	College Physics II
POLS 206	American National Government
POLS 207	State & Local Government
STAT 302	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.