

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:

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 101	Perspectives in Biochemistry and Genetics (cross-listed with BICH 101)
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.

Name _____

ID # _____

Biochemistry Degree Plan

Major Coursework (C or Better) -28 hours			
Course	Semester Taken	Hours	Grade
BICH 101		1	
BICH 404		2	
BICH 440		3	
BICH 441		3	
*BICH 414		2	
BICH 431		3	
GENE 302		3	
GENE 312		1	
BICH Elective		3	
BICH Elective		3	
BICH 491		1	
BICH 491		1	
BICH 491		1	
BICH 491-W		1	

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

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

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

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

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

Supporting Coursework -29 hours			
Course	Semester Taken	Hours	Grade
BIOL 111		4	
BIOL 112		4	
*BIOL 351		4	
^CHEM 227		3	
^CHEM 237		1	
^CHEM 228		3	
^CHEM 238		1	
CHEM 327		3	
CHEM 328		3	
*MATH 251		3	

Life & Physical Sciences -16 hours			
Course	Semester Taken	Hours	Grade
CHEM 101		3	
CHEM 111		1	
CHEM 102		3	
CHEM 112		1	
PHYS 218		4	
PHYS 208		4	

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

Electives -12 hours			
Course	Semester Taken	Hours	Grade

***International and Cultural Diversity -6 hours			
Course	Semester Taken	Hours	Grade
		3	
		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 101	Perspectives in Biochemistry and Genetics (cross-listed with GENE 101)
BICH 404	Biochemical Calculations
BICH 414	Biochemical Techniques (SPRING ONLY) (Writing Intensive)
BICH 431	Molecular Genetics (cross-listed with GENE 431)
BICH 440	Biochemistry I
BICH 441	Biochemistry II
BICH 491	Research
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
CHEM 327	Physical Chemistry I
CHEM 328	Physical Chemistry II
ENGL 104	Composition & Rhetoric
ENGL 210	Technical and Business Writing
GENE 302	Principles of Genetics
GENE 312	Comprehensive Genetics Lab
MATH 151	Engineering Math I (Calculus I)
MATH 152	Engineering Math II (Calculus II)
MATH 251	Engineering Math III (Calculus III)
PHYS 218	Mechanics
PHYS 208	Electricity and Optics
POLS 206	American National Government
POLS 207	State & Local Government

American History Electives: Select from HIST 105, 106, or other acceptable American 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.

*BICH 414 alternatives: BICH 432; GENE 432

*MATH 151 alternative: MATH 171

*BIOL 351 alternative: BIOL 413 and 423

*MATH 152 alternative: MATH 172

*MATH 251 alternatives: MATH 221, 253

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: BICH 491, see advisor for additional courses.