

**2008-10 Catalog Paradigm
Biology (Organismal Biology Concentration)**

First Year	
1.	BIOL 120 (GS4) (1 st semester)
2.	BIOL 121 (2 nd semester)
3.	CHEM 105 (1 st semester) Prereq – one year of HS Chemistry
4.	CHEM 107 (2 nd semester) Prereq – CHEM 105 or Instructor’s consent
5.	MATH 131 (GS8) (or MATH 124) Prereq – 4 yrs college prep math in HS or MATH 115
6.	General Education
7.	General Education
8.	General Education

Second Year	
1.	BIOL 201 or BIOL 228 Prereq – for 201 – BIOL 120; for 228 – BIOL 121 or 180
2.	BIOL 244 Prereq – BIOL 120
3.	CHEM 220 Prereq – CHEM 107
4.	BIOL Elective
5.	General Education
6.	General Education
7.	General Education
8.	Elective/Minor

Third Year	
1.	BIOL 201 or BIOL 228 Prereq – for 201 – BIOL 120; for 228 – BIOL 121 or 180
2.	BIOL Elective
3.	BIOL Elective
4.	General Education
5.	General Education
6.	Elective/Minor
7.	Elective/Minor
8.	Elective/Minor

Fourth Year	
1.	BIOL Elective
2.	BIOL Elective
3.	General Education
4.	General Education
5.	Elective/Minor
6.	Elective/Minor
7.	Elective/Minor
8.	Elective/Minor

Elective/Minor courses can be used to take additional major courses, free electives, or to fulfill a minor.

MATH 131, PHYS 111, PHYS 112 and SCS1 224 are strongly recommended.

Progress Sheet

Biology (Organismal Biology Concentration)

Student Name: _____ Student ID: _____	
General Education – Lower Biennium	Major
<input type="checkbox"/> GS1 – Religious Studies _____ <input type="checkbox"/> GS2 – Philosophy of Human Nature _____ <input type="checkbox"/> GS3 – Human Relationships _____ <input type="checkbox"/> GS4 – Natural Science _____ <input type="checkbox"/> GS5 – Creative Expression _____ <input type="checkbox"/> GS6 – United States Heritage _____ <input type="checkbox"/> GS7 – Foreign Heritages _____ <input type="checkbox"/> GS8 – Quantitative Skills _____ <input type="checkbox"/> GS9 – Writing _____ _____	<p>Required Courses:</p> <p>Core</p> <input type="checkbox"/> BIOL 120 – General Biology 1 <input type="checkbox"/> BIOL 121 – General Biology 2 <input type="checkbox"/> BIOL 244 – Genetics <input type="checkbox"/> CHEM 105 – General Chemistry 1 <input type="checkbox"/> CHEM 107 – General Chemistry 2 <p>Additional Requirements:</p> <input type="checkbox"/> BIOL 201 – Botany <input type="checkbox"/> BIOL 228 – Ecology <input type="checkbox"/> CHEM 220 - Organic Chemistry <input type="checkbox"/> BIOL Elective 200 or above _____ <input type="checkbox"/> BIOL Elective 200 or above _____ <input type="checkbox"/> BIOL Elective 200 or above _____ <input type="checkbox"/> BIOL Elective 200 or above _____ <input type="checkbox"/> BIOL Elective 200 or above _____ <p>MATH 131, PHYS 111, PHYS 112 and SSCI 224 are strongly recommended.</p> <p>Advanced students are strongly encouraged to pursue Independent Study (BIOL 495) or Research (BIOL 499).</p>
General Education – Upper Biennium	
<input type="checkbox"/> GS1 – Religious Studies _____ <input type="checkbox"/> GS10 – Western Tradition _____ <input type="checkbox"/> GS11 – Global Society _____ <input type="checkbox"/> GS12 – Senior Colloquium (GENS 400) _____ _____	<p>Note – Biology majors are required to complete the MFAT during specified testing periods after completing BIOL 121 and again during the second semester of their senior year. The Biology major should select an advisor from the Biology faculty no later than their sophomore year to assure appropriate course selection.</p>

**2008-10 Catalog Paradigm
Biology (Biomedical Sciences Concentration)**

First Year	
1.	BIOL 120 (GS4) (1 st semester)
2.	BIOL 121 (2 nd semester)
3.	CHEM 105 (1 st semester) Prereq – one year of HS Chemistry
4.	CHEM 107 (2 nd semester) Prereq – CHEM 105 or Instructor's consent
5.	MATH 131 (GS8) Prereq – 4 yrs college prep math in HS or MATH 115
6.	General Education
7.	General Education
8.	General Education

Second Year	
1.	BIOL 244 (2 nd Semester) Prereq – BIOL 120
2.	CHEM 211 (1 st Semester) Prereq – CHEM 107
3.	CHEM 220 (1 st semester) Prereq – CHEM 107
4.	CHEM 222 or 232 (2 nd Semester) Prereq – CHEM 220
5.	General Education
6.	General Education
7.	General Education
8.	Elective/Minor

Third Year	
1.	CHEM 350 Prereq – CHEM 211 and 222
2.	BIOL Elective
3.	BIOL Elective
4.	BIOL Elective
5.	General Education
6.	General Education
7.	Elective/Minor
8.	Elective/Minor

Fourth Year	
1.	BIOL Elective
2.	BIOL Elective
3.	BIOL Elective
4.	General Education
5.	General Education
6.	Elective/Minor
7.	Elective/Minor
8.	Elective/Minor

Elective/Minor courses can be used to take additional major courses, free electives, or to fulfill a minor.

MATH 131, PHYS 121, 122 and SSCI 224 are strongly recommended.

Progress Sheet

Biology (Biomedical Sciences Concentration)

Student Name: _____ Student ID: _____	
General Education – Lower Biennium	Major
<input type="checkbox"/> GS1 – Religious Studies _____ <input type="checkbox"/> GS2 – Philosophy of Human Nature _____ <input type="checkbox"/> GS3 – Human Relationships _____ <input type="checkbox"/> GS4 – Natural Science _____ <input type="checkbox"/> GS5 – Creative Expression _____ <input type="checkbox"/> GS6 – United States Heritage _____ <input type="checkbox"/> GS7 – Foreign Heritages _____ <input type="checkbox"/> GS8 – Quantitative Skills _____ <input type="checkbox"/> GS9 – Writing _____	<p>Required Courses:</p> <p>Core</p> <input type="checkbox"/> BIOL 120 – General Biology 1 <input type="checkbox"/> BIOL 121 – General Biology 2 <input type="checkbox"/> BIOL 244 – Genetics <input type="checkbox"/> CHEM 105 – General Chemistry 1 <input type="checkbox"/> CHEM 107 – General Chemistry 2 <p>Additional Requirements: Any 6 of the following BIOL 220, BIOL 320, BIOL 350, BIOL 360, BIOL 365, BIOL 368, BIOL 371, BIOL 372, BIOL 373, BIOL 381, BIOL 382, BIOL 385, BIOL 395, BIOL 490, or BIOL 496</p> <input type="checkbox"/> BIOL Elective _____ <input type="checkbox"/> BIOL Elective _____ <input type="checkbox"/> BIOL Elective _____ <input type="checkbox"/> BIOL Elective _____ <input type="checkbox"/> BIOL Elective _____ <input type="checkbox"/> BIOL Elective _____ <p>Additional Requirements – A Chemistry Minor</p> <input type="checkbox"/> CHEM 211 – Quantitative Analysis <input type="checkbox"/> CHEM 220 – Organic Chemistry <input type="checkbox"/> CHEM 222 – Organic Chemistry: Intermediate or CHEM 232 – Organic Chemistry: Research Emphasis <input type="checkbox"/> CHEM 350 - Biochemistry <p>MATH 131, PHYS 121, PHYS 122, and SSCI 224 are strongly recommended.</p> <p>Advanced students are strongly encouraged to pursue Independent Study (BIOL 490) or Research (BIOL 496).</p>
General Education – Upper Biennium	
<input type="checkbox"/> GS1 – Religious Studies _____ <input type="checkbox"/> GS10 – Western Tradition _____ <input type="checkbox"/> GS11 – Global Society _____ <input type="checkbox"/> GS12 – Senior Colloquium (GENS 400) _____	<p>Note - Biology majors are required to complete the MFAT during specified testing periods after completing BIOL 121 and again during the second semester of their senior year. The Biology major should select an advisor from the Biology faculty no later than their sophomore year to assure appropriate course selection.</p>