DEGREE GUIDE FOR THE COLLEGE OF ARTS AND SCIENCES
B.S.: BIOLOGY -- 2009-2011

Note: of the 128 credits required for graduation, students must earn at least 104 within Arts and Sciences departments.

Thought and Expression		**GRD**	**7.0**
ENGL 101 English Composition	3	[ ]	
PHIL 101 Critical Thinking	2	[ ]	
SPCO 101 Intro to Speech Comm	2	[ ]	

Religious Studies		**GRD**	**9.0**
RELI 100 Level Course	3	[ ]	
RELI 200 Level Course	3	[ ]	
RELI 300 Level Course	3	[ ]	

Philosophy		**GRD**	**9.0**
PHIL 201 Human Nature	3	[ ]	
PHIL 301 Ethics	3	[ ]	
PHIL 400 Level Course	3	[ ]	

English		**GRD**	**6.0**
ENGL 102, 103H, 105 or 106	3	[ ]	
ENGL 201 – 285	3	[ ]	

Fine Arts		**GRD**	**3.0**
(P)	3	[ ]	

Fine Arts Course must have "P" designation

Foreign Language/Culture		**GRD**	**3.0**
(FC)	3	[ ]	

Foreign Language/Culture Course must have "FC" designation

History (choice of 2)*		**GRD**	**6.0**
HIST	3	[ ]	
HIST	3	[ ]	

HIST 101 and either 102 or 112 in the first year. If unable to complete all six 100-level HIST credits in the first year, HIST 201 or 202 may be substituted for ONE 100-level course after the first year. (NO upper division can substitute.)

Social Science		**GRD**	**6.0**
CRIM 101, ECON, SOCI, POLS or PSYC			
	3	[ ]	
	3	[ ]	

Math/Lab Science/Elective		**GRD**	**10.0**
Math**	3	[ ]	
Lab Science	4	[ ]	
Elective**	3	[ ]	

***MATH 100 level or above (or ITEC for elective)*

Social Justice		**GRD**	**3.0**
(J)	3	[ ]	

Social Justice Course must have "J" designation

TOTAL CORE CREDIT **62**

Electives:

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B.S. – BIOLOGY -- 62 Credits

MAJOR LOWER DIVISION **37 credits**

CRSE	**CRSE Title**	**CRD**	**GRD**
BIOL 101	Diversity of Life	3	[ ]
BIOL 101L	Diversity of Life Lab	1	[ ]
BIOL 102	Intro to Ecology	3	[ ]
BIOL 102L	Intro to Ecology Lab	1	[ ]
BIOL 201	Cellular Biology	3	[ ]
BIOL 201L	Cellular Biology Lab	1	[ ]
BIOL 202	Genetics & Evolution	3	[ ]
BIOL 202L	Genetics & Evolution Lab	1	[ ]
CHEM 101	General Chemistry	3	[ ]
CHEM 101L	General Chemistry Lab	1	[ ]
CHEM 230	Organic Chemistry	4	[ ]
CHEM 230L	Organic Chemistry Lab	1	[ ]

Choose one of the following sets of two classes and labs:

PHYS 101 & 101L	General Physics I & Lab	4	[ ]
OR			
PHYS 103 & 103L	Scientific Physics I & Lab	4	[ ]

Choose one of the following sets of two classes and labs:

PHYS 102 & 102L	General Physics II & Lab	4	[ ]
OR			
PHYS 204 & 204L	Scientific Physics II & Lab	4	[ ]

Choose one of the following sets of three classes and labs:

CHEM 240 & 240L	Intro to Bioanalyt Chem & Lab	4	[ ]
OR			
CHEM 206 & 206L	Inorganic Chemistry & Lab	4	[ ]
OR			
CHEM 310 & 310L	Quantitative Analysis & Lab	4	[ ]

MAJOR UPPER DIVISION* **25 credits**

CRSE	**CRSE Title**	**CRD**	**GRD**
CHEM 331	Organic Chemistry II	3	[ ]
CHEM 331L	Organic Chemistry II Lab	1	[ ]
BIOL 399	Advanced Topics	2	[ ]
BIOL 499	Senior Colloquium	1	[ ]

BIOL Upper Division Electives: **18 credits**

(must be approved by an advisor in Biology)

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*The prerequisite for all upper division biology classes is a cumulative GPA ≥2.00 in BIOL 101, 102, 201, 202 and CHEM 101 and 230, and the associated labs. In regards to upper division biology electives, a minimum of 10 (ten) credits for the BS, 6 (six) credits for the BA, or 4 (four) credits for the minor must be biology classes taken from Gonzaga faculty; students participating in School for Field Studies programs or other study abroad programs should make note. All classes should be chosen in consultation with a faculty advisor.