Advisor:		Nai	me:	
		Cat	talog: <u>2010 – 2011</u>	
Minimum graduation credits: 124		Tra	nsfer credits:	
Minimum gpa in major:				
	BIOI	LOGY		
	Professional	Concentrat	ion	
CORE REQUIREMENTS – Min 20 credits a	t Gordon		COURSES IN MAJOR	
COMMON COURSES (36 credits)				
COR 107 The Great Conversation BCM 101 Old Testament BCM 103 New Testament	4 4 4 4	BIO 150 BIO 151	Bio II: Animal Biology	4 4 4
PHI 118 The Examined Life	4	BIO 250 BIO 260	Intro to Research in Biology	2
HIS 121 Historical Perspectives	4	BIO 316	Modern Genetics	4
NSM 202 Sci Enterprise – (sub BIO150, CHE111)	4	BIO 491	Senior Seminar	2
BCM 308 Christian Theology	4		Plant course – one of:	
FORFICN LANCUACE		BIO 308	Blood Anatomy & Bloodieless	4
FOREIGN LANGUAGE (Begin Lang I)	1	BIO 309 BIO 310	Plant Anatomy & Physiology Ecology	4
(Begin Lang II)	4	EVS		4
PHYSICAL EDUCATION	·		Science and Math Support Courses	•
PED LaVida or Discovery	0	CHE 111	Princ of Chemistry I	4
(Concepts of Wellness by petition only)		CHE 112	Princ of Chemistry II	4
PED (PE Activity)	0	CHE 211	Organic Chem I	4
PED (PE Activity)	0	CHE 212	Organic Chem II	4
THEMATIC COURSES (20 credits)		MAT 134	Survey of Calculus* OR	4
At least one must be fulfilled with an approved literature	course;		Calculus I AND	4
minimum 3 courses at Gordon.		MAT 142	Calculus II	4
Natural World		MAT 220	Biostatistics	4
	4	PHY	(Intro or Gen Physics I)	4
May be fulfilled by MAT134 or MAT141		PHY	(Intro or Gen Physics I) (Intro or Gen Physics II)	4
Human Person	4			
<del></del>	4		Major Concentration Courses 14 credits of biology electives	
Aesthetic Sensibilities				
	4	BIO		
Oisia Baananaihilite		BIO		
Civic Responsibility	4	BIO		
	4	BIO		
Global Understanding*		BIO		
	0-4	I BIO		
		BIO		
*Global Understanding may be fulfilled in a variety of way	s through study	BIO		
abroad, approved missions trips, or appropriate courses.				
		I	Honors Research/Thesis - See Dept Fac	ulty
ELECTIVES – If required to reach 124 minimum		BIO 471	Research I	4
		BIO 472	Research II	4
<del></del> <del></del>		*Calculus	I and II (MAT141 and MAT142) can substitute for	or Survey of
		Calculus.	,	-, -,
<del></del>				

Advisor:		Na	me:	
		Ca	talog: 2010 - 2011	
Minimum graduation credits: 124 Minimum gpa in major:		Tra	ansfer credits:	
minimum gpa in major.	BIOL	OGY		
ŀ	lealth Profession	ns Concen	tration	
CORE REQUIREMENTS – Min 20 credits a	at Gordon		COURSES IN MAJOR	
COMMON COURSES (36 credits)  COR 107 The Great Conversation BCM 101 Old Testament BCM 103 New Testament PHI 118 The Examined Life HIS 121 Historical Perspectives NSM 202 Sci Enterprise – (sub BIO150, CHE111) BCM 308 Christian Theology  FOREIGN LANGUAGE (Begin Lang I) (Begin Lang II)  PHYSICAL EDUCATION PED LaVida or Discovery	4 4 4 4 4 6 0	BIO 308 BIO 309 BIO 310 EVS	Plant Ánat & Phys Ecology (Approved AuSable course)  Science and Math Support Courses Princ of Chemistry I	4 4 2 4 4 4 4 4
(Concepts of Wellness by petition only) PED (PE Activity) PED (PE Activity)	0	CHE 112 CHE 211 CHE 212 PHY	Princ of Chemistry II Organic Chemistry I Organic Chemistry II (Intro or Gen Physics I)	4 4 4
THEMATIC COURSES (20 credits) At least one must be fulfilled with an approved litera minimum 3 courses at Gordon.		One group	(Intro or Gen Physics II) p of: Calculus	4
Natural World	4		Biostatistics	4
Can be fulfilled by MAT141 Human Person		OR		
Aesthetic Sensibilities	4		Calculus I Calculus II Major Concentration Courses (18 credits	4 4 5)
Civic Responsibility	4	HLP 201	Health Professions Seminar I Health Professions Seminar II Health Professions Seminar III	0
Global Understanding*	0-4	HLP 301	Health Professions Seminar IV	2
*Global Understanding may be fulfilled in a variety of study abroad, approved missions trips, or appropriate	ways through		ng courses to be determined in consultation ons advisor or Health Professions Committe	
ELECTIVES – If required to reach 124 minimum  WRITING COURSE  ———————————————————————————————————	==			
		BIO 471 BIO 472	Honors Research/Thesis – See Dept Facu Research I Research II	4
		Biochemis	stry is a required prerequisite for a significant n	umber of

medical schools.

Advisor:	Name:
	Catalog: <u>2010 – 2011</u>
Minimum graduation credits: 124 Minimum gpa in major:	Transfer credits:
_	OGY
Biotechnology	Concentration
CORE REQUIREMENTS – Min 20 credits at Gordon	COURSES IN MAJOR
COMMON COURSES (36 credits)           COR 107 The Great Conversation         4           BCM 101 Old Testament         4           BCM 103 New Testament         4           PHI 118 The Examined Life         4           HIS 121 Historical Perspectives         4           NSM 202 Sci Enterprise (sub BIO150 & CHE111)         4           BCM 308 Christian Theology         4	BIO 150 Biology I: Cells and Genetics 4 BIO 151 Biology II: Animal Biology 4 BIO 250 Biology III: Plants, Ecology and Evolution 4 BIO 260 Introduction to Research in Biology 2 BIO 316 Modern Genetics 4 BIO 491 Senior Seminar 2 Required Plant course – one of: BIO 308 Botany 4 BIO 309 Plant Anatomy & Physiology 4
(Begin Lang I)	BIO 309 Plant Anatomy & Physiology 4 BIO 310 Ecology 4 EVS (Approved AuSable course) 4
PHYSICAL EDUCATION  PED LaVida or Discovery	Science and Math Support Courses  CHE 111 Principles of Chemistry I 4 CHE 112 Principles of Chemistry II 4 CHE 211 Organic Chemistry I 4 CHE 212 Organic Chemistry II 4 MAT 134 Survey of Calculus* 4 MAT 220 Biostatistics 4 PHY (Introductory or General Physics I) 4 PHY (Introductory or General Physics II) 4
Natural World	Major Concentration Courses
Can be fulfilled by MAT134 or MAT141  Human Person  4	BIO 341       Biochemistry       4          BIO 425       Internship       2-4          ECB 245       Principles of Management       4
Aesthetic Sensibilities 4	Biology Electives (10 – 12 credits) BIO 314 Microbiology 4
Civic Responsibility 4	BIO 321       Molecular Cell Biology       4         BIO 333       Immunology       4         BIO
Global Understanding* 0-4	BIO
*Global Understanding may be fulfilled in a variety of ways through study abroad, approved missions trips, or appropriate courses.	Honors Research/Thesis – See Dept Faculty BIO 471 Research I 4 BIO 472 Research II 4
ELECTIVES – If required to reach 124 minimum  ——————————————————————————————————	*Calculus I and Calculus II (MAT141 and MAT142) can substitute for Survey of Calculus.

Advisor:		Nar	me:		
		Cat	talog: <u>2010 – 2011</u>		
Minimum graduation credits: 124		Transfer credits:			
Minimum gpa in major:					
	BIOLOGY				
En	vironmental Conc	entra	ition		
CORE REQUIREMENTS – Min 20 credits at Go	rdon		COURSES IN MAJOR		
COMMON COURSES (36 credits)					
COR 107 The Great Conversation		150	Bio I: Cells and Genetics	4	
BCM 101 Old Testament	4   BIO	151	6,	4	
BCM 103 New Testament PHI 118 The Examined Life	4 BIO	250 260	Bio III: Plants, Ecol, Evolution Intro to Research in Biology	4	
HIS 121 Historical Perspectives	4 BIO		Modern Genetics	4	
NSM 202 Sci Enterprise (sub BIO150 & CHE111)	4 BIO		Senior Seminar	2	
BCM 308 Christian Theology	4 Req	-	Plant course – one of:		
		308	Botany	4	
FOREIGN LANGUAGE		309		4	
(Begin Lang I)	4 EVS	S	(Approved AuSable course)	4	
(Begin Lang II)	4		Caianas and Math Cumpart Caurasa		
PHYSICAL EDUCATION	CHE	111	Science and Math Support Courses Princ of Chemistry I	1	
			Princ of Chemistry II	4	
(Concepts of Wellness by petition only)	CHE		Organic Chemistry I	4	
PED (PE Activity)	0 CHE		Organic Chemistry II	4	
PED (PE Activity)			Survey of Calculus*	4	
	MAT	220	Biostatistics	4	
THEMATIC COURSES (20 credits)	PHY	<u>.</u>	(Introductory or General Physics I)	4	
At least one must be fulfilled with an approved literature of	course; PHY		(Introductory or General Physics II)	4	
minimum 3 courses at Gordon.			Major Concentration Courses		
Natural World			major concentration courses		
	4 BIO	222	Environmental Science	4	
Can be fulfilled by MAT134 or MAT141		310	Ecology	4	
Human Person			Instrumental Analysis	4	
	4   EVS	<u> </u>	(AuSable course)	4	
Aesthetic Sensibilities	EVS	S	(AuSable course)	4	
Aestretic Serisibilities	4 BIO				
	HIO			—	
Civic Responsibility	BIO			_	
	4 BIO			_	
Can be fulfilled with BIO 222					
Clabal IIndovatandina*	DIO	474	Honors Research/Thesis – See Dept Facult Research I	y	
Global Understanding*	-4 BIO	471 472	Research II	4	
	510	412	nesearch ii	т.	
*Global Understanding may be fulfilled in a variety of ways	through				
study abroad, approved missions trips, or appropriate cour					
			I and II (MAT141 and MAT142) can substitute for	or S	Survey of
	Calc	ulus.			
ELECTIVES – If required to reach 124 minimum					
<del></del>	<del>-</del>				

### THIS IS A WORKSHEET ONLY AND REPRESENTS THE REQUIREMENTS IN EFFECT AT THE TIME CREATED.

### MAJOR REQUIREMENTS AND OFFERINGS MAY CHANGE AT THE DISCRETION OF THE DEPARTMENT

Advisor:	Name:				
		Catalog: 2010 - 2011			
Minimum graduation credits: 124		Tra	ansfer credits:		
Minimum gpa in major:					
	BIOL	OGY			
Ma	arine Biology	Concentra	ation		
CODE DECLUDEMENTS. Min 00 and did at 0.			COLIDEES IN MA IOD		
CORE REQUIREMENTS – Min 20 credits at Go	oraon		COURSES IN MAJOR		
COMMON COURSES (36 credits)  COR 107 The Great Conversation  BCM 101 Old Testament  BCM 103 New Testament  PHI 118 The Examined Life  HIS 121 Historical Perspectives  NSM 202 Sci Enterprise – (sub BIO150, CHE111)  BCM 308 Christian Theology  FOREIGN LANGUAGE	4 4 4 4 4 4	BIO 308 BIO 309	Bio I: Cells and Genetics Bio II: Animal Biology Bio III: Plants, Ecol and Evol Intro to Research in Biology Modern Genetics Senior Seminar Plant course – one of: Botany Plant Anatomy & Physiology	4 4 2 4 4 4 4	
(Being Lang I) (Begin Lang II)	4	BIO 310 EVS	Ecology (Approved AuSable course)	4	
PHYSICAL EDUCATION PED LaVida or Discovery (Concepts of Wellness by petition only) PED (PE Activity) PED (PE Activity)  THEMATIC COURSES (20 credits)  At least one must be fulfilled with an approved literature minimum 3 courses at Gordon.	0 0 0 e course;	CHE 112 CHE 211 CHE 212 MAT 134 MAT 220	Science and Math Support Courses Prin of Chemistry I Prin of Chemistry II Organic Chemistry I Organic Chemistry II Survey of Calculus <sup>1</sup> Biostatistics (Intro or Gen Physics I) (Intro or Gen Physics II)	4 4 4 4 4 4	
Natural World			Major Concentration Courses <sup>2</sup>		
Can be fulfilled by MAT134 or MAT141 Human Person	4	BIO 230 BIO 331 BIO	Introduction to Marine Science Marine Biology Institute	4	
Aesthetic Sensibilities	4	BIO BIO BIO			
Civic Responsibility					
Global Understanding*	0-4	BIO 471 BIO 472	Honors Research/Thesis – See Dept Facul Research I Research II	4	
*Global Understanding may be fulfilled in a variety of way study abroad, approved missions trips, or appropriate con		<sup>1</sup> Calculus Calculus.	I and II (MAT141 and MAT142) can substitute	for Survey o	
ELECTIVES – If required to reach 124 minimum			Ecology (if not taken as required plant course) and Estuarine Ecology strongly recommended.	and BIO421	