Advisor:	Name:		
	Catalog: <u>2010 – 2011</u>		
Minimum graduation credits: 124	Transfer credits:		
Minimum gpa in major:	ware.		
	HYSICS al Concentration		
CORE REQUIREMENTS			
MINIMUM OF 20 CREDITS AT GORDON	COURSES IN MAJOR		
COMMON COURSES (36 credits)	REQUIRED COURSES		
COR 107 The Great Conversation 4	PHY 121 Intro Physics I	4	
COR 107 The Great Conversation 4	PHY 122 Intro Physics II PHY 130 First Year Phys Sem	4	
BCM 103 New Testament 4	PHY 214 Math Meth Phys I	4	
PHI 118 The Examined Life 4	PHY 236 Modern Physics	4	
HIS 121 Historical Perspectives 4 NSM 202 Scientific Enterprise – waived by major	PHY 314 Mechanics	4	
BCM 308 Christian Theology 4	PHY 339 Elect & Magn I	4	
	PHY 391 Junior Sem I	0	
FOREIGN LANGUAGE	PHY 392 Junior Sem II	0	
(Begin Lang I) 4		1-4	
(Begin Lang II) 4	PHY 472 Research II PHY 491 Senior Sem I	1-4	
DUNGLO AL EDUCATION	PHY 491 Senior Sem II	¦ ——	
PHYSICAL EDUCATION	MAT 141 Calculus I	4	
PED LaVida or Discovery 0 (Concepts of Wellness by petition only)	MAT 142 Calculus II	4	
PED (PE Activity) 0	MAT 223 Calculus III	2	
PED (PE Activity)	MAT 225 Differential Equations	4	
THEMATIC COHPORE (On avadita)	One of the Following Sequences:		
THEMATIC COURSES (20 credits) At least one must be fulfilled with an approved literature course;	Chemistry:		
minimum 3 courses at Gordon.	CHE 111 Principles of Chemistry I	4	
This is a country of the country of	CHE 112 Principles of Chemistry II	4	
Natural World Can be fulfilled with MAT141			
4	Computer Science: CPS 121 Introduction to Programming	4	
	CPS 121 Infloduction to Programming CPS 122 Object-Oriented Software Development	4	
Human Person	of 6 122 Object Official doriware Development	T	
4			
Aesthetic Sensibilities	Concentration Courses		
4	PHY 225 Electronics	4	
	PHY 355 Quantum Mechanics PHY 372 Thermal Physics	4	
Civic Responsibility	FITT 372 THermal Filysics	4	
4	Recommended Courses (optional)		
Global Understanding*	PHY 313 Mathematical Methods in Physics II	4	
0-4	PHY 340 Electricity and Magnetism II	4	
	PHY 341 Optics	4	
*Global Understanding may be fulfilled in a variety of ways through	PHY 371 Selected Topics in Physics	2	
study abroad, approved missions trips, or appropriate courses.			
	_		
ELECTIVES – If required to reach 124 minimum			
LLLO IIVLO — Il required to reach 124 minimum			
			
			

Advisor:	Name:		
	Catalog: <u>2010 – 2011</u>		
Minimum graduation credits: 124	Transfer credits:		
Minimum gpa in major:			
31	PHYSICS		
Comp	outational Physics Concentration		
CORE REQUIREMENTS			
MINIMUM OF 20 CREDITS AT GORDON	COURSES IN MAJOR		
	REQUIRED COURSES		
COMMON COURSES (36 credits) COR 107 The Great Conversation			
BCM 101 Old Testament	PHY 122 Intro Physics II 4		
BCM 103 New Testament	PHY 130 First Year Phys Sem 1		
PHI 118 The Examined Life	4 PHY 214 Math Meth Phys I 4		
HIS 121 Historical Perspectives	4 PHY 236 Modern Physics 4 PHY 314 Mechanics 4		
NSIVI 202 Scientific Enterprise – waived by major	4 PHY 314 Mechanics 4 4 4 PHY 339 Elect & Magn I 4 PHY 339 Elect & Magn I		
BCM 308 Christian Theology	PHY 391 Junior Sem I 0	_	
FOREIGN LANGUAGE	PHY 392 Junior Sem II 0		
	B104 474 B 1 1		
(Begin Lang II)	4 PHY 4/1 Research I 1-4 PHY 472 Research II 1-4 1-4 1-4 1-4 1-4 1-4 1-4 1-4 1-4 1-4		
	PHY 491 Senior Semi1		
PHYSICAL EDUCATION	PHY 492 Senior Sem II 1		
	0 MAT 141 Calculus I	_	
(Concepts of Wellness by petition only)		_	
PED (PE Activity) PED (PE Activity)	0 MAT 223 Calculus III 2 MAT 225 Differential Equations 4		
TEB (FE / Notivity)			
THEMATIC COURSES (20 credits)	One of the Following Sequences:		
At least one must be fulfilled with an approved literature of	course; Chemistry: CHE 111 Principles of Chemistry I 4		
minimum 3 courses at Gordon.	CHE 112 Principles of Chemistry II 4	_	
Natural World Can be fulfilled with MAT141			
Natural World Carrie Tullined With WATTAT	4 Computer Science:		
	CPS 121 Introduction to Programming 4		
Human Person	CPS 122 Object-Oriented Software Development 4		
	4		
Aesthetic Sensibilities	Concentration Courses		
	4		
	2 courses numbered above PHY224:		
Civic Responsibility	PHY (Physics elective)		
 	4 (Filtysics elective)		
Global Understanding*	Math/Comp Sci Courses (16 credits)		
	PHY 313 Mathematical Methods in Physics II 4		
	CPS 211 Object-Oriented Software Dvpt 4		
*Global Understanding may be fulfilled in a variety of ways		_	
study abroad, approved missions trips, or appropriate cour	rses. CPS 311 Computer Organization 4		
	CPS 323 Programming Languages 4		
	MAT 229 Discrete Mathematics for Comp Sci 2		
ELECTIVES If we arrived to week 104 minimum	MAT 231 Transition to Higher Mathematics 2		
ELECTIVES – If required to reach 124 minimum	MAT 232 Linear Algebra 4		
	MAT 318 Probability 4 MAT 319 Statistics 4		
	MAT 319 Statistics 4 MAT 335 Algebraic Structures 4	_	
	MAT 335 Algebraic Structures 4 MAT 342 Numerical Analysis 4	_	
	MAT 353 Real Analysis 4		

Advisor:	Name:	
	Catalog: <u>2010 – 2011</u>	
Minimum graduation credits: 124	Transfer credits:	
Minimum gpa in major:		
	HYSICS hysics Concentration	
CORE REQUIREMENTS	nysics concentration	
MINIMUM OF 20 CREDITS AT GORDON	COURSES IN MAJOR	
COMMON COURSES (36 credits)	REQUIRED COURSES	
COR 107 The Great Conversation 4	PHY 121 Intro Physics I PHY 122 Intro Physics II	4
BCM 101 Old Testament 4 4 BCM 103 New Testament 4	PHY 130 First Year Phys Sem	1
PHI 118 The Examined Life 4	PHY 214 Math Meth Phys I	4
HIS 121 Historical Perspectives 4	PHY 236 Modern Physics	4
NSM 202 Scientific Enterprise – waived by major	FREST4 Wechanics	4
BCM 308 Christian Theology 4	PHY 339 Elect & Magn I	4
<i></i>	PHY 391 Junior Sem I	0
FOREIGN LANGUAGE	PHY 392 Junior Sem II	0
(Begin Lang I) 4		-4 -4
(Begin Lang II) 4	PHY 491 Senior Sem I	-4 1
DUVELCAL EDUCATION	PHY 492 Senior Sem II	i ——
PHYSICAL EDUCATION PED LaVida or Discovery 0		4
(Concepts of Wellness by petition only)	MAT 142 Calculus II	4
PED (PE Activity) 0	MAT 223 Calculus III	2
PED (PE Activity) 0	MAT 225 Differential Equations	4
THEMATIC COURSES (00 avadita)	One of the Following Sequences:	
THEMATIC COURSES (20 credits) At least one must be fulfilled with an approved literature course;	Chemistry:	
minimum 3 courses at Gordon.	CHE 111 Principles of Chemistry I	4
This is a second of the second	CHE 112 Principles of Chemistry II	4
Natural World Can be fulfilled with MAT141	Occupation Octobring	
4	Computer Science: CPS 121 Introduction to Programming	1
Ularram Daman	CPS 122 Object-Oriented Software Development	4
Human Person 4	of 6 122 Object Offented Contract Development	
Aesthetic Sensibilities	Concentration Courses	0
4	PHY 125 Intro to Engineering/Appl Sci PHY 216 Statics	2 4
A: 1 B 11 111	PHY 225 Electronics	4
Civic Responsibility	PHY 328 Strength of Materials OR	4
4		-4
Global Understanding*	'	
0-4	Strongly Recommended	
	PHY 355 Quantum Mechanics	4
*Global Understanding may be fulfilled in a variety of ways through	PHY 372 Thermal Physics	4
study abroad, approved missions trips, or appropriate courses.		
ELECTIVES If required to reach 124 minimum		
ELECTIVES – If required to reach 124 minimum		
		
		

Advisor:		Name:	
·		Catalog: 2010 - 2011	
Minimum graduation credits: 124		Transfer credits:	
Minimum gpa in major:		0100	
		SICS ring Program	
CORE REQUIREMENTS	o z znymeci	ing i rogium	
MINIMUM OF 20 CREDITS AT GOR	DON	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 Scientific Enterprise – waived by major BCM 308 Christian Theology FOREIGN LANGUAGE	4 4 4 4 4 0 0 0 0	PHY 121 Intro Physics I PHY 122 Intro Physics II PHY 125 Intro to Engineering and Applied Sciences PHY 214 Mathematical Methods in Physics I PHY 216 Statics PHY 225 Electronics PHY 236 Modern Physics PHY 314 Mechanics PHY 328 Strength of Materials CHE 111 Principles of Chemistry I CPS 121 Introduction to Programming MAT 141 Calculus I MAT 122 Calculus II MAT 223 Calculus III MAT 225 Differential Equations	4
Global Understanding*	0-4		
*Global Understanding may be fulfilled in a variety o study abroad, approved missions trips, or appropria	of ways through		
ELECTIVES			
			
			
			