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: <u>2010 – 2011</u> _____

Minimum graduation credits: 124

Minimum gpa in major: _____

Transfer credits: _____

COMPUTER SCIENCE

CORE REQUIREMENTS
MINIMUM OF 20 CREDITS AT GORDON

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	Scientific Enterprise	4	____
BCM 308	Christian Theology	4	____

FOREIGN LANGUAGE

___ ___ (Beginning Lang I)	4	____
___ ___ (Beginning Lang II)	4	____

PHYSICAL EDUCATION

PED ___ LaVida or Discovery	0	____
(Concepts of Wellness by petition only)		
PED ___ (PE Activity)	0	____
PED ___ (PE Activity)	0	____

THEMATIC COURSES (20 credits)

At least one must be fulfilled with an approved literature course; minimum 3 courses at Gordon.

Natural World

___ ___ _____ 4 ____

Can be fulfilled with MAT134 or MAT141

Human Person

___ ___ _____ 4 ____

Aesthetic Sensibilities

___ ___ _____ 4 ____

Civic Responsibility

___ ___ _____ 4 ____

Global Understanding*

___ ___ _____ 0-4 ____

*Global Understanding may be fulfilled in a variety of ways through study abroad, approved missions trips, or appropriate courses.

ELECTIVES – If required to reach 124 minimum

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COURSES IN MAJOR

REQUIRED COURSES

CPS121	Intro to Programming	4	____
CPS122	Obj-Oriented Soft Devpt	4	____
CPS221	Software Systems	4	____
CPS222	Data Structures & Algor	4	____
CPS403	Comp and Society	2	____
CPS491	Software Engineering Project I	2	____
MAT230	Discrete Math	4	____
MATxxx	(Survey of Calc or Calc I)	4	____

CONCENTRATIONS
(One is required)

General Concentration

CPS311	Comp Organization	4	____
CPS320	Models of Computation	4	____
CPS492	Software Development Project	2	____

One of:

MAT232	Linear Algebra **OR**	4	____
MAT318	Probability **OR**	4	____
MAT338	Number Theory	4	____

Comp Sci Elect (12 credits)

CPS 3xx	_____	__	____
CPS 3xx	_____	__	____
CPS 3xx	_____	__	____
CPS 3xx	_____	__	____
CPS 3xx	_____	__	____
CPS 3xx	_____	__	____

Senior Project ____

Computer Information Systems Concentration

CPS356	Management Info Syst	4	____
CPS425	Internship	2 or 4	____
ECB201	Prin of Microeconomics	4	____
ECB211	Stats in Business & Economics	4	____
ECB217	Princ Accounting I	4	____
ECB218	Princ Accounting II	4	____
ECB347	Financial Mgmt	4	____

One of:

ECB245	Princ of Mgmt	4	____
ECB277	Princ of Marketing	4	____

Comp Sci Elect (4 credits)

CPS 3xx	_____	__	____
CPS 3xx	_____	__	____

Honors in Computer Science – see dept faculty
(available in both concentrations)

CPS 381	Independent Study	2-4	____