DEGREE GUIDE FOR THE COLLEGE OF ARTS AND SCIENCES
B.S. PHYSICS – 2009-2011

Student Name: _____

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 Engl. Comp.	3	[ ]	
PHIL 101 Crit. Think	2	[ ]	
SPCO 101 Intro. Speech	2	[ ]	
Religious Studies		**GRD**	**9.0**
RELI 100 Level	3	[ ]	
RELI 200 Level	3	[ ]	
RELI 300 Level	3	[ ]	
Philosophy		**GRD**	**9.0**
PHIL 201 Human Nature	3	[ ]	
PHIL 301 Ethics	3	[ ]	
PHIL 400 Level	3	[ ]	
English		**GRD**	**6.0**
ENGL 102, 103H, 105 or 106	3	[ ]	
ENGL 201-285 Literature	3	[ ]	
Fine Arts		**GRD**	**3.0**
(P)	3	[ ]	

Course must have 'P' designation

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

Culture Course must have 'FC' designation

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

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

Social Science			
CRIM 101, ECON, SOCI, POLS or PSYC		**GRD**	**6.0**
	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. -- PHYSICS: 53 CREDITS

MAJOR LOWER DIVISION **30 credits**

CRSE	**CRSE Title**	**CRD**	**GRD**
PHYS 103	Scientific Physics I	3	[ ]
PHYS 103L	Scientific Physics I Lab	1	[ ]
PHYS 204	Scientific Physics II	3	[ ]
PHYS 204L	Scientific Physics II Lab	1	[ ]
PHYS 205	Modern Physics	3	[ ]
PHYS 217	Modern Physics Lab	2	[ ]
CHEM 101	General Chemistry	3	[ ]
CHEM 101L	General Chemistry Lab	1	[ ]
CPSC 121	Computer Science I	3	[ ]
MATH 157	Calculus & Analytical Geo. I	4	[ ]
MATH 258	Calculus & Analytical Geo. II	4	[ ]
PHYS 210	Intro to Linear Electronics	2	[ ]

MAJOR UPPER DIVISION **23 credits**

CRSE	**CRSE Title**	**CRD**	**GRD**
PHYS 300	Mathematical Methods	3	[ ]
PHYS 301	Intermediate Mechanics	3	[ ]
PHYS 306	Electricity & Magnetism	3	[ ]
PHYS 310	Intermediate Lab	2	[ ]
PHYS 464	Intro to Quantum Physics	3	[ ]
MATH 350	Elementary Numerical Anal.	3	[ ]

In addition, at least two (2) of the following courses: **6 credits**

PHYS 307 Physical Optics (3 cr.)
PHYS 402 Advanced Mechanics (3 cr.)
PHYS 407 Electricity & Magnetism II (3 cr.)
PHYS 409 Nuclear & Particle Physics (3 cr.)
PHYS 450 Statistical Physics (3 cr.)
PHYS 465 Advanced Topics (3 cr.)

PHYS _____ [ ]
PHYS _____ [ ]
PHYS _____ [ ]

Physics majors are also encouraged to take:

MATH 259 Calculus III (4 cr.)
MATH 260 Ordinary Differential Equations (3 cr.)
MATH 339 Linear Algebra (3 cr.)
and additional CPSC courses

Electives

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