

## College of Basic and Applied Sciences Upper Division Form 2009-2011 Catalog

Student name _____	Student # _____ M - _____
Major <u>Physics</u>	Minor _____ (Optional)
Concentration <u>Astronomy</u>	E-mail _____

Instructions: For students graduating in Fall 2009 or later, one (1) copy of this form signed by the student's major and minor advisors should be filed with the Graduation Coordinator in JH 115 three semesters prior to graduation. An Intent to Graduate form should accompany this form.

General Education Area	Course	Semester	Grade	Notes	Credit Hours
COMMUNICATION (9 hours)	ENGL 1010				3
	ENGL 1020				3
	COMM 2200				3
HISTORY (6 hours) Choose two: HIST 2010, HIST 2020, HIST 2030	HIST _____				3
	HIST _____				3
HUMANITIES AND/OR FINE ARTS (9 hours) Choose <u>one</u> : ENGL 2020, 2030 or HUM 2610. Choose <u>two</u> with different prefixes: ANTH 2210, ART 1030, ART 1910, ART 1020, DANC 1000, HIST 1010, 1020, 1110, 1120, MUS 1030, PHIL 1030, THEA 1030					3
					3
					3
MATHEMATICS (3 hours) <i>Calculus I</i>	MATH 1910			Fourth credit counts in <i>Supporting and Elective Courses</i>	3 of 4
NATURAL SCIENCES (8 hours) Take CHEM 1110 (4 cr.). Take either PHYS 2010 (0 cr.) and PHYS 2011 (4 cr.) <u>or</u> PHYS 2110 (3 cr.) and PHYS 2111 (1 cr.)	CHEM 1110				4
	PHYS _____ PHYS _____			Also counts toward <i>Major Courses</i> (see below)	4
SOCIAL/BEHAVIORAL SCIENCES (6 hours) Choose two (different rubrics): AAS 2100, ANTH 2010, ECON 2410, EMC/JOUR/RIM 1020, GEOG 2000, GS 2010, HLTH 1530, PS 1010, PS 2010, PSY 1410, SOC 1010, SOC 2010, WMST 2100					3
					3
<b>Hours Required: 41</b>					<b>Total: 41</b>

Major Courses	Course	Semester	Grade	Notes	Credit Hours
Introductory Physics I <i>PHYS 2010/2011 or PHYS 2110/2111</i>	PHYS _____ PHYS _____			Four credits already counted under General Education/Natural Sciences	0 of 4
Introductory Physics II <i>PHYS 2020/2021 or PHYS 2120/2121</i>	PHYS _____ PHYS _____				4
Modern Physics I	PHYS 3100				3
Modern Physics II	PHYS 3110				3
Theoretical Physics I	PHYS 3150				3
Thermodynamics	PHYS 3610				3
Physics Seminar	PHYS 3800				1
Physics Practicum	PHYS 3900				1
Advanced Lab	PHYS 3910				1
Fundamentals of Astrophysics	ASTR 3400				3
Experimental Astronomy	ASTR 3401				1
Astronomy Research	ASTR 4850				2
Astronomy Senior Thesis	ASTR 4900				2
Upper-division Elective: <i>PHYS</i> or <i>ASTR</i>					2
Major/concentration requirements are continued on the next page.					

