



# NORTHERN ARIZONA UNIVERSITY

## BACHELOR OF SCIENCE IN PHYSICS & ASTRONOMY (Merged Major)

### DEGREE PLAN 2007-2008

Note: Either the current or a later version of the degree plan can be used by the student.

Name \_\_\_\_\_

Student ID \_\_\_\_\_

Advisor's Signature \_\_\_\_\_

Date \_\_\_\_\_

Chair's Signature \_\_\_\_\_

Date \_\_\_\_\_

### Part One: Liberal Studies Requirements

(Note: Refer to the on-line catalog to find a detailed listing of all courses approved for liberal studies credit.)

Dept. No. Title Units Sem/Yr

Dept No. Title Units Sem/Yr

#### I. FOUNDATION REQUIREMENTS

#### III. DISTRIBUTION REQUIREMENTS (cont'd)

##### English

ENG 105 Critical Reading & Writing \_\_\_\_\_

Science and Applied Science (3-6 hours)

\_\_\_\_\_

##### Mathematics (at least 3 hours)

MAT \_\_\_\_\_

\_\_\_\_\_

Note: Any NAU MAT or STA course satisfies this requirement (except MAT 101X, 102X, 108, or 150.).

Social and Political Worlds (3-6 hours)

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#### II. DISTRIBUTION REQUIREMENTS

##### Aesthetic and Humanistic Inquiry (3-6 hours)

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#### III. LIBERAL STUDIES ELECTIVE

Elective from any of the Liberal Studies Requirements (3 hours)

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##### Cultural Understanding (3-6 hours)

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##### Lab Science (4 hours)

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\_\_\_\_\_

### Degree Checklist:

Liberal Studies Foundation (7 hours) \_\_\_\_\_

Liberal Studies Distribution Requirements (25 hours) \_\_\_\_\_

Liberal Studies Elective (3 hours) \_\_\_\_\_

Major Requirements \_\_\_\_\_

Diversity Requirements \_\_\_\_\_

Additional hours to total 120 units \_\_\_\_\_

*(At least 30 hours of your 120 hours must be Upper Division Hours)*

Advisor's Signature \_\_\_\_\_

## Part Two: Major Requirements

<u>Dept</u>	<u>Course #</u>	<u>Title</u>	<u>Units</u>	<u>Term</u> *	<u>Sem. Taken</u>
I. Mathematics Prerequisites					
MAT	136	Calculus I	4	All Year	_____
MAT	137	Calculus II	4	All Year	_____
MAT	238	Calculus III	4	All Year	_____
MAT	239	Diff. Eq.	3	All Year	_____
II. Physics and Astronomy					
PHY	161	Univ. Phy. I	3	Fall & Spring	_____
PHY	161L	Univ. Phy. I Lab	1	Fall & Spring	_____
PHY	262	Univ. Phy. II	3	Fall & Spring	_____
PHY	262L	Univ. Phy. II Lab	1	Fall & Spring	_____
PHY	263	Univ. Phy. II	3	Fall & Spring	_____
PHY	264	Electronics	3	Spring	_____
PHY	265	Intr. Computational Phy.	3	Spring	_____
AST	280	Intr. Astrphy.	3	Fall	_____
AST	301	Obs. Ast.	3	Fall (even years)	_____
AST	301L	Obs. Ast. Lab	1	Fall (even years)	_____
AST	391	Stars	3	Fall (odd years)	_____
AST	392	Galaxies	3	Spring (even years)	_____
<b>Or</b>	390	Solar System	3	Spring (odd years)	_____
PHY	301	Meth. of Analy. I	3	Fall	_____
PHY	321	Mechanics I	3	Fall	_____
PHY	331	E & M I	3	Fall	_____
PHY	332	E & M II	3	Spring	_____
PHY	361	Modern Phy.	3	Spring	_____
PHY	441	Thermal & Statistical Phys.	3	Spring	_____
PHY	471	Quantum Mechanics	3	Fall	_____
PHY	333W**	Adv. Lab	3	Spring	_____
PHY	498C***	Senior Seminar	3	Fall	_____

\*Subject to change without notice. Check with your advisor often for any updates.

\*\*This course satisfies the Junior-Level Writing Requirement.

\*\*\*This course satisfies the Senior Capstone Requirement. A substitution of 2 credit hours of undergraduate research (PHY OR AST 485) may be substituted for 2 hours of Senior Seminar.

**NOTE: You may not count more than one grade below a C in a physics or astronomy course toward the major requirements for this degree .**

### Part Three: Diversity Requirements

NOTE: These courses may be used to meet other requirements within liberal studies if you choose them carefully. Please refer to the on-line catalog for the complete list of diversity courses.

<u>Dept.</u>	<u>Course#</u>	<u>Title</u>	<u>Units</u>	<u>Sem/Yr</u>
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Ethnic Diversity (*at least 3 hours*)

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Global Diversity (*at least 3 hours*)

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### Part Four: Additional Courses to total 120 hours

*120 hours are required for the degree. Any remaining credits may be taken in any area. Consult with your advisor for recommendations on courses that will best prepare you for your future plans*

<u>Dept.</u>	<u>Course#</u>	<u>Title</u>	<u>Units</u>	<u>Sem/Yr</u>
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