

Name: _____

APPLIED PHYSICS, BS

MAJOR REQUIREMENTS 2013 -

Courses may be counted toward both Major and General Requirements. However, no course may fulfill two categories of General Requirements. (If you use any course for both Major and General Requirements, be sure to count the credits only ONCE toward the degree total.)

<u>COURSES REQUIRED</u>	<u>MINIMUM CREDITS</u>	<u>COURSES COMPLETED</u> <u>Subj.#: Course #</u>	<u>COMPLETED CREDITS SEM/YR</u>		<u>OFFICE SENIOR REVIEW</u>
ELEMENTS OF PHYSICS I and LAB	4	750:131,133	___	___	___
ELEMENTS OF PHYSICS II and LAB	4	750:132,134	___	___	___
ELECTRIC CIRCUITS I	3	750:233	___	___	___
ELEMENTS OF MODERN PHYSICS and LAB	3,1	750:232,238	___	___	___
ELECTROMAGNETIC THEORY	3	750:301	___	___	___
BIOPHYSICS	3	750:362	___	___	___
ELECTROMAGNETIC WAVES AND OPTICS	3	750:302	___	___	___
ELECTRONICS	3	750:307	___	___	___
THERMAL PHYSICS I	3	750:351	___	___	___
CONDENSED MATTER AND MATERIALS PHYSICS	3	750:406	___	___	___
ANALYTICAL MECHANICS I & II	3,3	750-309-310	___	___	___
COMPUTATIONAL PHYSICS	3	750:417	___	___	___
RESEARCH IN PHYSICS	3,3	750:491,492	___	___	___
INDEPENDENT STUDY	2,2	750:489-490	___	___	___
ELEMENTS OF QUANTUM MECHANICS I	3	750-413	___	___	___
METHODS OF MATERIALS CHARACTERIZATION	3	750-420	___	___	___
MATHEMATICAL PHYSICS	3	750-463	___	___	___
<u>ADDITIONAL REQUIRED COURSES</u>					
UNIFIED CALCULUS I	4	640:121	___	___	___
UNIFIED CALCULUS II	4	640:122	___	___	___
MATHEMATICAL METHODS FOR SCIENTISTS I & II	3,3	640:468-469	___	___	___
<u>-OR-</u>					
UNIFIED CALCULUS III & ELEMENTARY DIFFERENTIAL EQUATIONS	3,3	640:221,640:314	___	___	___
PROGRAMMING FUNDAMENTALS 198:111 AND SOFTWARE LAB 198:112 or INTRO. TO SCI. COMPUTING 750:140	4/3	198-111&112 -or- 750:140	___	___	___
CHEMICAL PRINCIPLES I and LAB	4	160:115, 125	___	___	___
CHEMICAL PRINCIPLES II and LAB	4	160:116, 126	___	___	___

TOTAL DEGREE CREDITS REQUIRED : 120

TOTAL CREDITS COMPLETED: _____

SENIOR REVIEW APPROVAL BY FACULTY ADVISOR: _____

DATE OF REVIEW: _____

C=Complete

YOUR SIGNATURE & DATE: _____

2013-