PHYSICS EDUCATION B.S.  

Name: ______________________________  Date: ______________________________

(Quarter offered: F=Fall, W=Winter, S=Spring, *= Not offered this year)

Note: All courses on check list must be taken for a letter grade

INTRODUCTORY REQUIREMENTS

Calculus: Math 19A (FWS) ___ OR Math 20A (F) ___
Math 19B (FWS) ___ OR Math 20B (W) ___

Vector Calculus: MATH 23A (FWS) ___ AND Math 23B (FWS) ___

Physics: PHYS 5A/L (FW) ____ + 5B/M (W) ____ + 5C/N (S) ____ + 5D (F) ____

Note: To declare Physics Education as a major, PHYS 5ABC must be completed with a GPA of 2.7 or higher

Statistics: AMS 5 (FWS) ___ OR AMS 7/L (FWS) ___

Astronomy: ASTR 12 (W) ____ OR ASTR 13 (F) ____

Education: EDUC 50B (FW) ____ OR EDUC 50C (FW) ____

ADVANCED REQUIREMENTS 11 total including 2 labs

Mathematics: MATH 100 Introduction to Proof and Problem Solving (FWS) ___
MATH 128A Classical Geometry: Euclidean and Non-Euclidean (S) ___
MATH 181 History of Mathematics (W) ___

Physics: PHYS 102 Modern Physics (FW) ____
PHYS 133 Intermediate Laboratory (FW) ____

Adv Laboratories: One from the following...
PHYS 134 Physics Advanced Laboratory (WS) ____
PHYS 135 Astrophysics Advanced Laboratory: PHYS 135A (F) ____ + PHYS 135B (*) ___

Education: One from the following...
EDUC 100B CAL Teach 2: Mathematics (S) ___
EDUC 100C CAL Teach 2: Science (S) ___

Intro Teaching: EDUC 185L CAL Teach 3 (S) ____

Teaching: One from the following...
EDUC 185B Introduction to Teaching Mathematics (W) ____
EDUC 185C Introduction to Teaching Science (S) ___

Diversity: One from the following...
EDUC 128 Immigrants & Education (F)____
EDUC 141 Bilingualism & Schooling (W)___
EDUC 164 Urban Education (S)___
EDUC 177 Teaching Diverse Students Math & Science (F) ___
EDUC 181 Race, Class, & Culture in Education (W)____

Electives: One from the following...
Any PHYS courses numbered above 100 ____
Any MATH courses numbered above 100 ____
Any ASTR courses numbered above 100 ____
Any EDUC courses numbered above 100 ____

DISCIPLINARY COMMUNICATION REQUIREMENT
Satisfied by the successful completion of PHYS 182 and the senior thesis.

Note: This requirement MUST be completed at UCSC.

COMPREHENSIVE REQUIREMENT
PHYS 182 Scientific Communication for Physicists (FW) ____
Senior Thesis ____

Note: Courses appearing in more than one category may fulfill only one requirement.