INTRODUCTORY REQUIREMENTS

Calculus: Math 19A (FWS) ___ OR Math 20A (F) ___
Math 19B (FWS) ___ OR Math 20B (W) ___
Math 23A (FWS) ___

Advanced Calculus: MATH 23B (FWS) ___ OR PHYS 14 (*) ___

Physics: PHYS 5A/L (F) ___ + 5B/M (W) ___ + 5C/N (S) ___ + 5D (F) ___
NOTE: To declare Physics Education as a major, PHYS SABC must be completed with a GPA of 2.7 or higher

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

Astronomy: ASTR 12 (F) ___ OR ASTR 13 (S) ___

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 (F) ___
MATH 181 History of Mathematics (W) ___

Physics: PHYS 101A Introduction to Modern Physics I (F) ___
PHYS 101B Introduction to Modern Physics II (W) ___
PHYS 133 Intermediate Laboratory (FW) ___

Adv Laboratories: ONE from the following...
PHYS 134 Physics Advanced Laboratory (WS) ___
PHYS 135 Astrophysics Advanced Laboratory (F) ___

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 (W) ___

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

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

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 ___

COMPREHENSIVE REQUIREMENT

PHYS 182 Scientific Communication for Physicists (FW) ___
Senior Thesis ___

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

Disciplinary Communication: Students satisfy this requirement by successfully completing Physics 182 and the senior thesis