

PHYSICS: SECONDARY EDUCATION
2015-2016 Election of Major

Name _____ ID # _____

Planned Degree Completion Date: Mo. _____ Yr. _____

Check Degree Plan: _____ BA _____ BS

PHYSICS REQUIREMENTS

PHYS 210 General Physics I C-4NP (4) _____
 (prereq MATH 121, enrollment may be concurrent)

PHYS 220 General Physics II (4) _____

PHYS 301 Electricity and Magnetism (3) _____

PHYS 310 Modern Physics (3) _____

Take two of the following four laboratory courses

PHYS 301L Electricity and Magnetism Lab (1) _____

PHYS 310L Modern Physics Lab (1) _____

PHYS 320L Mechanics Lab (1) _____

PHYS 345L Advanced Physics Lab (2) _____

Take 18 semester hours of other Physics courses:

PHYS 231 Fundamentals of Electronics (3) _____

PHYS 315 Introduction to Astrophysics (3) _____

PHYS 320 Analytical Mechanics (W) (3) _____

PHYS 340 Thermal Physics (3) _____

PHYS 410 Quantum Physics (3) _____

PHYS 425 Field and Wave Phenomena (3) _____

PHYS 432 Materials Physics (3) _____

PHYS 380/480 Special Problems (1-4) _____

PHYS 499 Research (1-4) _____

Math 122 Calculus II (4) _____

PROFESSIONAL EDUCATION

EDUC 108 Exploring Teaching and Learning (2) _____

EDUC 211 The Exceptional Learner (4) _____

EDUC 237 Educational Psychology C-4HD (4) _____

EDUC 245 Educational Assessment (4) _____

EDUC 342 Literacy in the Content Area (4) _____

EDUC 357 Classroom Management/Conflict Resolution (4) _____

EDUC 362 Literacy and English Language Learners (2) _____

EDUC 444 Methods for Secondary Education (4) _____

EDUC 410 The Teacher in Today's School (2) _____

EDUC 475 High School Student Teaching (7) _____

EDUC 477 Jr High/Middle School Student Teaching (6) _____

1FS: First Year Seminar () _____

1O: COMM 110 Found of Human Communication () _____

1Q: MATH 121 Calculus I () _____

2 Physical Activity and Wellness

2PA: PE 101 _____ (.5) _____

PE 101 _____ (.5) _____

PE 105 _____ (.5) _____

PE 105 _____ (.5) _____

3 Integration Into the World (3 courses)

3RC: Responsible Citizenship _____ () _____

3GC: Global Connections: _____ () _____

3RC or 3GC: _____ () _____

4 Ways of Knowing (9 courses)

Philosophical, Religious and Creative Inquiry (1 course in each category)

4RL: Religion _____ () _____

4PH: Philosophy _____ () _____

4AR: Visual and Performing Arts _____ () _____

4LT: Literature _____ () _____

Human Behavior and Institutions (3 courses, each in a different discipline)

4HD: EDUC 237 X

4H __: _____ () _____

4H __: _____ () _____

Natural World (2 courses, each in a different discipline)

4NP: PHYS 210 X

4N __: _____ () _____

5 Synthesis & Critical Connections (1 course & VIA)

5CC: Critical Connections: INTD _____ () _____

VIA (see requirements in *Catalog*) up to (2) credits _____

Electives:

_____ () _____

_____ () _____

(A minimum of 128 credit hours required for graduation.) TOTAL _____

Bachelor of Arts requirements: Intermediate language proficiency at 200 level

____ Yes ____ No

Required Signatures:

Student: I understand that I have final responsibility for monitoring my graduation requirements.

Student: _____ Date _____

Advisor: _____ Date _____

Dept. Chair: _____ Date _____

Director of Teacher Educ: _____ Date _____

CORE Program

1 Foundational Skills (WOQ)