BACHELOR OF SCIENCE EDUCATION IN PHYSICS
ADVISING SHEET (FALL 2013)

Name:	Date Major Declared:

PROGRAM REQUIREMENTS		
PAPA Tests (3 Modules): Reading, Mathematics, and Writing		Date
Formal Admission to Teacher Education Program (3.0 GPA in last 48 credits)		Date
Praxis 10265-Physics Content Knowledge		Date

	CREDITS	**COURSE**	**UNIV/COL**	**GRADE**	**SEMESTER**
GENERAL EDUCATION REQUIREMENTS (33 CREDITS)					
ENGLISH COMPOSITION (WRT 120 and WRT 200 (or 204, 205, 206, 208, 220))	3				
	3				
PUBLIC SPEAKING (SPK 208 OR 230)	3				
MATHEMATICS	BELOW				
DIVERSE COMMUNITIES "J" COURSE	BELOW	General Education coursework is not required for post-baccalaureate students in the teacher certification program.			
INTERDISCIPLINARY "I" COURSE	BELOW				
SCIENCE	BELOW				
	BELOW				
BEHAVIOR & SOCIAL SCIENCES (ANT PSY SOC ECO GEO PSC)	3				
	3				
HUMANITIES (LIT AND HIS OR PHI)	3				
	3				
ARTS	3				
ELECTIVES	3				
	3				
	3				
PHYSICS CORE REQUIREMENTS (24 CREDITS)					
PHY 170—Physics I	4				
PHY 180—Physics II	4				
PHY 240—Modern Physics	3				
PHY 300—Mechanics	3				
PHY 310—Intermediate Lab I	2				
PHY 320—Intermediate Lab II	2				
PHY 330—Electronics	3				
PHY 410—Optics or PHY 430—Electricity & Magnetism	3				
SUPPORTING COURSES IN MATHEMATICS (15 CREDITS)					
MAT 161—Calculus I	4				
MAT 162—Calculus II	4				
MAT 261—Calculus III	4				
MAT 343—Differential Equations or PHY 370—Mathematical Physics	3				
SUPPORTING COURSES IN THE SCIENCES (17 CREDITS)					
CHE 103—Chemistry I	3				
CRL 103—Chemistry I Lab	1				
CHE 104—Chemistry II	3				
CRL 104—Chemistry II Lab	1				
CSC 141—Computer Science	3				
PHY 105—Structure of the Universe or ESS 111—General Astronomy	3				
Biology Elective	3				

PROFESSIONAL EDUCATION REQUIREMENTS (36 CREDITS)						
EDP 250—Educational Psychology[1]	3					
EDF 300—Democracy & Education	3					
EDA 103—Foundations of Special Education	3					
EDA 304—Special Education: Processes and Procedures for Secondary Educators[2]	3					
EDR 347—Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms	3					
LAN/ENG 382—Teaching English Language Learners (ELLs) PK-12	3					
EDS 306—Principles of Teaching & Field Experience[3]*	3					
SCB/E 350—Science Education in the Secondary School[3]**	3					
EDS 411/ 412—Student Teaching***	12					

[1] includes 20 hours of Stage 1 field experience
[2] includes 20 hours of Stage 2 field experience
[3] includes Stage 3 field experience

*Formal admission to teacher education is a pre-requisite for this course.
**EDS 306 is a pre-requisite for this course.
***SCB/E 350 is a pre-requisite for this course.

Graduate level equivalents for post-baccalaureate students

PROFESSIONAL EDUCATION REQUIREMENTS - GRADUATE LEVEL EQUIVALENTS						
(EDP 250) EDP 550—Advanced Educational Psychology	3					
(EDF 300) EDF 589—Sociological Foundations of Education	3					
(EDA 103) EDA 542—Foundations of Special Education	3					
(EDA 303) EDA 511—Inclusion and Collaboration	3					
(EDR 347) EDR 550—Literacy Development and Secondary Students with Disabilities in Inclusive Classrooms	3					
(LAN/ENG 382) LAN/ENG 569—Teaching English Language Learners PK-12						
(EDS 306) EDS 505—Secondary Field Experiences and Methods	3					
(SCB/E 350) SCB/E 550—Science Education in the Secondary School	3					
(EDS 411 & 412) *no equivalent*	12					

FATE requirements (*not applicable to post-baccalaureate students*)

3 credits English Comp   WRT 120
3 credits English Lit   LIT 165 recommended
6 credits Mathematics   MAT 161, MAT 162

General Education Requirements (*not applicable to post-baccalaureate students*)

9 credits Writing Emphasis   (2) PHY 310
                                     (2) PHY 320
                                     (3) EDS 306
                                     (3) SCE 350 but not SCB 350
                                     (1) additional credit (or 4 additional credits if taking SCB 350)
                                              LIT 165 recommended

3 credits Diverse Communities   LAN 382
3 credits Interdisciplinary   EDF 300