

BA in Physics w/Education Concentration

PHYSICS CERTIFICATION (K-12)

Revised 08/25/2017

While all bachelor programs require a minimum of 128 credits and a 2.00 cumulative GPA, the NJ Department of Education requires a 3.0 cumulative GPA to be certified. Students in this concentration must complete a PHYS major with accompanying EDUC courses as shown. A Math SAT score of 550 or better is required to declare PHYS as a major. To earn a certification in physics, a student must complete 30 credits in physics with 12 at the upper level. A student should seek guidance on course choices to ensure they count towards certification. A grade of "C" or better is required in all content courses and a B- or better in professional education courses. High school coursework in math and science is recommended. Consult with the EDUC Program for application and licensure requirements. "The student is responsible for ensuring that all graduation requirements are met" (Bulletin). **Consult with your preceptors (EDUC & PHYS) on a regular basis.**

Student Name: _____ Z _____

Dates of Curr WS Review __, __, __, __, __

PHYS Preceptor: _____ EDUC Preceptor: _____

#1 PHYS BA Students should seek regular PHYS precepting for all program courses to meet BA requirements. A 2.0 GPA is required for the BA. Also, students MUST earn C or better in all content courses for the Major #1 that count towards certification requirements.	Credits	C or Better Cert. courses
PHYS 2220/25 Physics I & Lab	5	
PHYS 2230/35 Physics II & Lab	5	
PHYS 3010 Physics III	4	
PHYS 3220 Computational Mathematics	4	
PHYS 3340 Optics	4	
PHYS 3380 Thermal Physics	4	
PHYS 3370 Electricity OR PHYS 3390 Intro Quantum Mech	4	
PHYS 2600 Physics Colloquium (must be taken 4 times)	0	
PHYS 4620 Research Methods	0	
MATH 2215 Calculus I	5	
MATH 2216 Calculus II	5	
MATH 2217 Calculus III	5	
Cognates in Math or Science	4/5	
	4/5	
	4/5	
	4/5	
Total Credits for PHYS BA Major	64	
Includes Required Cognates from EDUC (at right)	16	

#2 Required General Education	Credits	C or Better
GEN	4	
GAH	4	
GAH	4	
GNM	4	
GNM	4	
GSS	4	
GSS	4	
GIS	4	
Total General Studies required	32	

General Studies Writing Requirement - 4 courses-
Two W1 courses may be transferred. W2 courses must be at Stockton.
___W1 ___W1/W2 ___W1/W2 EDUC4600 W1/W2 3000 level

General Studies Quantitative Reasoning Requirement - 3 courses-
Two Q1 courses may be transferred. Q2 courses must be taken at Stockton
MATH2215 Q1 ___Q2 MATH2216 Q1 or Q2

General Studies Outcome Requirement: These courses are listed as attributes
___A (Arts) ___H (Historical Consciousness)
___FSEM ___EDUC1515 V (Values/Ethics) ___I (International/Multicultural)

#3 Required At-Some-Distance courses —EDUC sequence and grades from right column: EDUC 1515, 2000, 2241, INTC 2610, EDUC 3100, 3101, EDUC 3200, 4120, 4600, 4991, 4992 (33 cr)	Credits	B- or Better
Total At-Some-Distance required	33	

#4 Professional Requirements: Grades of C or better required (equiv. transfer credits can be accepted)- 16 credits at left	Credits	Grade
EDUC 1515 Diversity in Fam, Schl & Commun. (4 cr ASD, V) or equiv, also accepted: GAH 1360; GEN 2126; GSS 1044, 3360, 3516; SOCY 2745		
EDUC 2241 Inclusive Learning in Education (4 cr ASD) also accepted GSS 2330,2340		
INTC 2610 Instructional Tech for K12 Educators (4 cr ASD) also accepted GEN 2108		
EDUC 2231 Development of the Learner (4 cr ASD) also accepted PSYC 1100 + 2231 + 3391		
Prerequisite to Entry: Grade of B- or better required		
EDUC 2000 Gateway to NJ Teaching Profession (1 cr ASD)	1	
Additional requirements for EDUC entry*/placement		Done?
Attend Information Session and Orientation*		
3.0 or better overall GPA* GPA _____ as of _____		
Criminal Background Check / Sub Cert		
TB Test		
State Code Exam (formerly Health Test)		
Core Praxis Scores* or SAT score of 560+ reading & 540+ math or an ACT score of 23 on both the English and Math sections	Reading score	
	Writing score	
	Math score	

#5 Professional Education —Grade of B- or better required (32 credits counted at left) Professional licensure courses may only be re-attempted once after withdrawal or failure to earn B- or better.	Credits	Grade
Clinical Experience Semester		
EDUC 3100 Part-time Clinical Experience in EDUC (50 hr– 2 cr ASD)	2	
PRAXIS II TEST(S) must be passed BY the Clinical Practice I Semester in the subject(s) and grade level you wish to student teach. Check this website for current NJ test information for certification area www.ets.org/praxis/nj/requirements	Score:	
Clinical Practice I Semester (formerly "Introductory Semester")		
EDUC 3101 Part-time Clinical Practice II in EDUC (80 hr- 2cr ASD)	2	
EDUC 3200 Practices & Techniques of Teaching (4 cr ASD)	4	
Clinical Practice 2 Semester (formerly "Intermediate Semester")	Credits	Grade
EDUC 4120 Reading in the Content Area (2 cr ASD)	2	
EDUC 4600 Part-time Clinical Practice II in EDUC (W2)- 100 hrs (2 cr ASD)	2	
EDUC 4606 Methods of Teaching Science & Math (4 cr cognate)	4	
Full-time Final Clinical Practice Semester (formerly "Student Teaching")	Credits	Grade
EDUC 4990 Full-time Final Clinical Practice - full-time 15-week experience (12 cr cognate)	12	
EDUC 4991 Final Clinical Practice Seminar (2 cr ASD)	2	
EDUC 4992 edTPA Capstone (2 cr ASD)	2	
In order for your certificate to be processed, you must meet the following requirements: complete your BA/BS degree; pass the Praxis test(s), take the edTPA, and complete all liberal arts content coursework required; and attain a minimum GPA of 3.0.		
Final Overall GPA _____ as of _____		