2/15/88

PHYSICS EDUCATION PROGRAM REVISION

Contact Richard D. Roberts in the Physics Department at 4593 regarding any questions involving this revision.

Approvals:

Department Chairperson

published in the catalog.

Rationale for Change:
According to Standard II of the Pennsylvania Standards for Program

Scope: CSPG 33 Standard I The program shall require concentrated studies in physics and the broad conceptual schemes of science. Standard II The program shall require studies in biology, chemistry, and mathematics. Standard III

The program shall require studies of and experience in using the laboratory

skills and safety procedures that are necessary for proper experimentation.

Standard IV

done

College of Education
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104 Stouffer Hall Indiana, Pennsylvania 15703-1090

(412) 357-2480

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September 25, 1987

Mr. Richard Roberts Physics Department 56A Weyandt

Dear Mr. Roberts:

As you know, we are writing our response to the Pennsylvania Department of Education for their interim review as part of our Teacher Education

program review process. I need an update from you on the following certification area (s)______

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	In your response I need to know if the activities which were underway in the Step I Phase II document are completed or still in progress.	
; · ·	It is very important that your written response reach me no later than	
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SUBJECT: Teacher Education Review September 28, 1987 TO: Dr. John W. Butzow, Associate Dean Department of Education 1 10 R1 K Mr. R. Roherts. Chairman FROM: ---

Current Version

BACHELOR OF SCIENCE IN EDUCATION in PHYSICS

CENERAL FREE ATTOM: As nurlined in General Education continue

with the following specifications: 53 Mathematics: MA123 Natural Science: CH111-112 Social Sciences: H1104, PC101 Spignon, Alleria algoritores CO110 as CO102 MAJOR: 36 Required courses: PY131 Physics 1-C Lec 3 sh PY132 Physics II-C Lec 3 sh PY141 Physics I-C Lab 1 sh Physics II.C Lah PY 142 PY222 Mechanics 1 2 sh PY231 Electronics 4 sh PY242 Optics 3 sh PY322 Electricity and Magnetism I 2 sh PY331 Modern Physics 3 sh PY350 Intermediate Experimental Physics 1 3 sh Controlled electives: Physics electives 3 sh OTHER REQUIREMENTS: 41 MA124 Calculus II for Physics and Chemistry 4 sh MA241 Differential Equations 3 ch Advanced Calculus for Applications MA342 4 sh Professional Education Sequence CM301 Instructional Media 3 sh

Pre-student Teaching I

Pre-student Teaching II

Teaching of Science in the Secondary School

Student Teaching

School Law

1 sh

1 sh

12 sh

I sh

3 sh

ED242

ED342

ED441

ED442

ED451

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Proposed Version

BACHELOR OF SCIENCE IN EDUCATION in PHYSICS

GENERAL EDUCATION: As outlined in General Education section

Mathematics: MA123 Natural Science: CH111-112 Epaint Science: 111104 PG401

Science Math	electives: CO110 or CO200		
IAJOR: Required cou		3	
BA151	Physics I C Lac	rh	
PY132	Physics 11-C Lec	3 sh	
PY141	Physics I-C Lab	1 sh	
PY142	Physics II-C Lab	l sh	
PY222	Mechanics 1	2 sh	
PY231	Electronics	4 sh	
PY242	Optics	3 sh	
PY322	Electricity and Magnetism I	2 sh	
PY331	Modern Physics	3 sh	
PY350	Intermediate Experimental Physics 1	3 sh	
Controlled el	lectives:		
Physics ele	ectives	3 sh	
THER REQU		45	

MA124 MA241 MA342	Calculus II for Physics and Chemistry Differential Equations Advanced Calculus for Applications	4 sh 3 sh 4 sh	
General	Biology Course Approved	by Advisor	4 sh
Professional	Education Sequence		
CM301	Instructional Media	3 sh	
ED242	Pre-student Teaching 1	1 sh	
ED342	Pre-student Teaching II	1 sh	
ED441	Student Teaching	12 sh	