

## CONTENT COURSE REQUIREMENTS BY CERTIFICATION TYPE (cum 3.0 GPA required)

\* Courses marked in **Red** must be completed prior to pre-student teaching and/or PA Intern Certification

<b>PreK-4</b>	<b>ENGLISH (7-12)</b>	<b>CHEMISTRY (7-12)</b>	<b>BIOLOGY (7-12)</b>	<b>MATHEMATICS (7-12)</b>
<b>ENGL COMP</b>	<b>ENGL COMP</b>	<b>ENGL COMP</b>	<b>ENGL COMP</b>	<b>ENGL COMP</b>
<b>LITERATURE</b>	<b>AMERICAN LIT I</b>	<b>LITERATURE</b>	<b>LITERATURE</b>	<b>LITERATURE</b>
<b>US HISTORY</b>	AMERICAN LIT II	<b>CALC I</b>	<b>PRE-CALC/LINEAR MATH</b>	BIOLOGY
<b>LIN MATH/PRE CALC</b>	<b>ENGLISH LIT I</b>	<b>CALC II</b>	<b>CALC I</b>	CHEM/PHYS
<b>PROB/STAT</b>	ENGLISH LIT II	QUAN.ANAL/ANAL CHEM	<b>BIOLOGY I</b>	PSYCH/SOC
CHEM/PHYS/ASTR/GEOL	WORLD LIT/MYTH	<b>CHEM 1</b>	<b>BIOLOGY II</b>	PROB/STAT
<b>HEALTH/WELL/NUTR</b>	DIV/MULTI CULT LIT	<b>CHEM 2</b>	CHEM I	HIST MATH
PSYCHOLOGY	<b>ADOLESCENT LIT</b>	PHYS CHEM 1	CHEM II	<b>CALC I</b>
ECONOMICS	<b>LINGUISTICS</b>	PHYS CHEM 2	O-CHEM I	<b>CALC II</b>
ENVIR. ISS	SPEECH	O-CHEM I	BIOCHEM	<b>CALC III</b>
BIOLOGY	WRITING	O-CHEM II	ECOLOGY	<b>LIN. ALGEBRA</b>
	MATH	IN-O-CHEM	VERT MORPH/DEV BIO	DISCRETE MATH
	SCIENCE	ECO/GEO/EARTH SCI	CELL BIO	
	ART/MUSIC		GENETICS	
			PHYSIOLOGY	
			ETHICS	
<b>PHYSICS (7-12)</b>	<b>SOCIAL STUDIES (7-12)</b>	<b>EARTH &amp; SPACE (7-12)</b>	<b>GEN SCIENCE (7-12)</b>	
<b>ENGL COMP</b>	<b>ENGL COMP</b>	<b>ENGL COMP</b>	<b>ENGL COMP</b>	
<b>LITERATURE</b>	<b>LITERATURE</b>	<b>LITERATURE</b>	<b>LITERATURE</b>	
<b>CALC I</b>	<b>LINEAR MATH/PRE-CAL</b>	<b>PRE-CALC</b>	<b>PRE-CALC</b>	
<b>CALC II</b>	<b>PROB/STAT</b>	<b>CALC I</b>	<b>CALC I</b>	
LIN. ALGEBRA	<b>US HISTORY I</b>	GEN. BIO	<b>BIOLOGY I</b>	
DIFF. EQUATIONS	US HISTORY II	GEN CHEM	BIOLOGY II	
GEN CHEMISTRY	<b>WORLD HISTORY I</b>	PHYSICS	<b>CHEM I</b>	
<b>PHYSICS</b>	WORLD HISTORY II	HIST GEO	CHEM II	
<b>PHYSICS II</b>	PA HISTORY	ENVR/ECOLOGY	<b>PHYSICS</b>	
<b>PHYSICS III</b>	<b>CIVICS/GOV'T</b>	<b>PHYS GEOLOGY</b>	ENVIR/ECOLOGY	
ELECTROMGNT FIELDS	ECONOMICS	OCEANOGRAPHY	HIST/PHS GEO	
THERMODYN.	GEOGRAPHY	METEROLOGY	ATMOSPH SCI/METEROLOGY	
CLASSICAL MECH	ANTHROPOLOGY	<b>ASTRONOMY</b>	ASTRONOMY	
QUANTUM MECHAN	SOCIAL PSYCHOLOGY			
	SOCIOLOGY			

<b>(4-8) ML Gen Science</b>
<b>ENGL COMP</b>
<b>CALC I</b>
<b>GENERAL BIOLOGY</b>
<b>GENERAL CHEMISTRY</b>
LITERATURE
US/PA HISTORY
PHYSICS
ASTRONOMY

<b>(4-8) ML Math</b>
<b>ENGL COMP</b>
<b>STATISTICS</b>
<b>CALC I</b>
<i>linear math/college alg.</i>
<b>GEOMETRY</b>
LITERATURE
US/PA HISTORY
PHYSICAL SCIENCE

<b>(4-8) ML English</b>
<b>ENGL COMP I</b>
<b>ENGL COMP II</b>
<b>LITERATURE</b>
<b>POETRY/CREATIVE WRITING</b>
<b>YOUNG ADULT FICTION</b>
<b>LINGUISTICS</b>
US/PA HISTORY
COLLEGE ALG
LINEAR MATH

<b>(4-8) ML Social Studies</b>
<b>ENGL COMP</b>
<b>LITERATURE</b>
<b>GEOGRAPHY</b>
<b>PA HISTORY</b>
US HISTORY
WORLD HISTORY
ECONOMICS
CIVICS/GOV'T/CITIZENSHIP
SOCIOLOGY