

**Program of Preparing Secondary School Teachers of CHEMISTRY  
(Effective for Class of 2018)**

Liberal Arts & Sciences Core Program	Sem. Hrs.	Specialization	Sem. Hrs.	Professional Education	Sem. Hrs.
ACS 1000 Traditions in Conversation	3	CHM1311/1301 Inorganic Chem. & Lab	5	EDU 2201/2202 Social Foundations	3
ACS 1001 Modernity and Its Discontents	3	CHM1512/1502 Quant. Anal. & Lab	5	EDU 2300 Research Seminar	3
Intermediate Language I & II (or higher level)*	6	CHM3211/3201 Organic Chem. I & Lab	5	EDU 3000 Prof Develop. In Edu.	1
ENG	3	CHM3212/3202 Organic Chem. II & Lab	5	EDU 3251 Psych of Learn & Teach	3
ENG Soph. Lit. & writing	3	CHM 3511/3501 Inst. Analysis/Lab	5	EDU 3263 Diversity & Incl.	3
ETH 2050 Ethics	3	CHM 4611/4601 Intro. Bio-Chem./Lab	4	EDU 3264 Disability Studies	3
THL 1000	3	CHM 3411/3403 Physical Chem. I/Lab	5	EDU 4245 Lit & Eng Lang Learning	3
Advanced Theology	3	CHM Elective	4	EDU 4284 Meth. of Teaching Sci.	3
PHI 1000	3	CHM Elective	4	EDU 4290 Philosophy of Education+	3
Fine Arts	3	PHY 2410/2411 Univ. Phy: Mech./ Lab	4	EDU 4292 Seminar	3
Core History	3	PHY 2412/2413 Univ. Phy: Electricity & Magnetism & Lab	4	EDU 4291 Student Teaching	9
Three free electives	9	Total Specialization Credits	50	Total Education Credits	37
<u>Mathematics</u>					
MAT 1500-1505	8				
<u>Sciences</u>					
Total Core Program Credits	53				

Individuals seeking initial Instructional I certification in Pennsylvania must pass State Required examinations. Information concerning the examination may be obtained in the office of the Department of Education & Counseling.

**Total Required Credits 140**

**WITH 2 ADDITIONAL COURSES IN CHEMISTRY & CHM 1000 (1 CR), YOU MAY MAJOR IN CHEMISTRY AND EDUCATION. SEE THE CHEMISTRY DEPARTMENT FOR REQUIREMENTS.**