GENERAL EDUCATION REQUIREMENTS (48 Credits)
Please refer to the approved list of Gen Ed courses that appear on the back.

I. LIBERAL EDUCATION SKILLS – 12 CREDITS
A. English Composition (3-6 credits)
ENG 111: Writing II
B. Mathematics Competency\(^1\) (3 credits)
MATH 171

C. Credits to total 12 in Category I, selected from at least two of the following: Computer Information Science, Elementary Foreign Language, English Composition, Logic, Mathematics, CSD 465, CMST 113, 213, 214, 251, HON 128, MMAJ 140, 340, AE 100, ED 417
MATH 221
ED 417
ED 417 to be taken concurrent with ED 329 & ED 332

II. LIBERAL KNOWLEDGE – 27 CREDITS
A. Physical and Biological Sciences (9 credits) Selected from at least two of the following: Chemistry, Earth Science, Mathematics\(^1\), Physical Science, Physics, GS 411, HON 230
PH 251 or 252\(^*\)
ES 111-499\(^*\)
MATH 171
CHEM 163

B. Social and Behavioral Sciences (9 credits) Selected from the following: Anthropology, Economics, Geog., History, Political Science, Psychology, Sociology, Social Work, Women’s Studies, CSD 125, 257, GS 140, HON 240, NURS 320, ED 122
ED 122**

C. Arts and Humanities (9 credits) Selected from the following: Art, English Language and Literature, Humanities, Intermediate Foreign Language and Cultures, Music, Philosophy, Communication Studies, HON 130, Theater, ED 350

ENG Lit\(^*\)
ED 350

III. HEALTH AND PERSONAL PERFORMANCE (3 Cr)
A. Health and Wellness (2 Credits)
Personal Performance (1 course and 1 credit)

IV. General Education Electives
Credits to total 48 from Gen. Ed. Up to 1 credit from III-B allowed.
CHEM 153
CHEM 164

\(^1\) Math 110 may only be used under I-C.

FLAGS - Record below
* First Year Values (V)
** Writing Intensive (W)
* Quantitative Reasoning (Q)
** Writing Intensive (W)

2012 catalog year

SECONDARY EDUCATION CORE – 36 CREDITS
ED 110 Ed Found for Middle & Sr. High
ED 225 Multicultural Education
ED 327 Instruct. Strategies and Mgmt
SPED 418 Except. in Reg. Classroom
SPED 441 Teaching Students w Disabilities
SPED 442 Differentiating Instruction

SECONDARY BLOCK\(^*\) – Must be taken concurrently
ED 329 Educational Assessment*
ED 332 Methods of Teaching Secondary Science *
ED 424 Student Teaching
ED 425 Student Teaching

BIOLOGY SPECIALIZATION- 36 CREDITS

REQUIRED CORE
BIOL 155 Biology Princ I (Lec)
BIOL 165 Biology Princ I (Lab)
BIOL 156 Biology Princ II (Lec)
BIOL 166 Biology Princ II (Lab)
BIOL 202 Principles of Ecology
BIOL 201 Genetics
BIOL 203 Cell Biology
SCED 476 STS
BIOL 382 Evolution
BIOL ***

CHEM 154 Gen Chemistry II (Lab)
CHEM 251 Organic Chemistry (Lec)
CHEM 261 Organic Chemistry (Lab)

***BIO 300-499 (Highly recommended BIOL341, BIOL 405)

Required Proficiencies (Grade of C or Higher)
* Designates a course that fulfills a required proficiency
** Designates a course that meets a professional requirement

TOTAL CREDITS 120

Due to changing Pennsylvania Department of Education certification requirements, this information is subject to change without notice.
CONTENT COMPETENCIES REQUIRED FOR CERTIFICATION IN PENNSYLVANIA

LITERATURE/LANGUAGE

ENG 130: The Literary Experience
ENG 140: Introduction to Drama as Literature
ENG 150: Movie Studies
ENG 200: Composition and Literature
ENG 209: Special Topics in Literature
ENG 221: English Literature to 1800
ENG 222: English Literature since 1800
ENG 225: American Literature to 1860
ENG 226: American Literature since 1860
ENG 227: World Literature
ENG 228: Modern and Contemporary World Literature
ENG 230: Intro. To African-American Literature
ENG 231: Introduction to Asian-American Literature
ENG 241: Voices in Canadian Literature
ENG/ANTH 242: Introduction to American Folklore
ENG 244: Special Topics
ENG 250: Studies in Western Mythology
ENG 265: Survey of Women’s Literature
ENG 311: Studies in the 16th Century English Literature
ENG 313: Studies in the 17th Century English Literature
ENG 315: Studies in the 18th Century English Literature
ENG 317: Studies in English Romantic Literature
ENG 319: Studies in Victorian Literature
ENG 325: Early American Literature
ENG 326: American Romanticism
ENG 327: American Realism and Naturalism
ENG 328: American Literature from 1900 to 1945
ENG 329: Contemporary American Literature
ENG 332: 19th Century British Novel
ENG 333: 20th Century British Novel
ENG 339: Short Stories
ENG 341: 20th Century Poetry
ENG 342: English Drama to 1642
ENG 343: English Drama from 1660 to 1850
ENG 344: Modern Drama to 1950
ENG 345: Contemporary Drama
ENG/ANTH 352: Topics in Folklore
ENG 354: Topics in World Literature
ENG 365: Images of Women in Literature
ENG 470: Literature for Young Adults

MATHEMATICS

MATH 171: Pre-calculus
MATH 112 – 999