

CLARION UNIVERSITY OF PENNSYLVANIA
School of Education

SECONDARY EDUCATION
BIOLOGY

Name _____
ID# _____
CUP Entrance Date _____
Program Entry Date _____
Advisor _____

Transfer * _____
** _____
Date Cr Cr Date Cr Cr Date Cr Cr
____ _ _ _ _
____ _ _ _ _

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 _____ 3 _____

B. Mathematics Competency¹ (3 credits)
MATH 171 _____ 3 _____

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 _____ 3 _____
ED 417 _____ 3 _____

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, Mathematics¹, Physical Science, Physics, GS 411, HON 230

PH 251 or 252* _____ 4 _____
ES 111-499* _____ 3 _____
MATH 171 _____ 1 _____
CHEM 163 _____ 1 _____

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** _____ 3 _____
_____ 3 _____

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* _____ 3 _____
ED 350 _____ 3 _____

III. HEALTH AND PERSONAL PERFORMANCE (3 Cr)

A. Health and Wellness (2 Credits) _____ 2 _____
Personal Performance (1 course and 1 credit) _____ 1 _____

IV. General Education Electives

Credits to total 48 from Gen. Ed. Up to 1 credit from III-B allowed.

CHEM 153 _____ 3 _____
CHEM 164 _____ 1 _____

SECONDARY EDUCATION CORE – 36 CREDITS

ED 110 Ed Found for Middle & Sr. High _____ 3 _____
ED 225 Multicultural Education _____ 3 _____
ED 327 Instruct. Strategies and Mgmt _____ 3 _____
SPED 418 Except. in Reg. Classroom _____ 3 _____
SPED 441 Teaching Students w Disabilities _____ 3 _____
SPED 442 Differentiating Instruction _____ 3 _____

SECONDARY BLOCK* – Must be taken concurrently

ED 329 Educational Assessment* _____ 3 _____
ED 332 Methods of Teaching Secondary Science * _____ 3 _____

ED 424 Student Teaching _____ 6 _____
ED 425 Student Teaching _____ 6 _____

BIOLOGY SPECIALIZATION- 36 CREDITS

REQUIRED CORE
BIOL 155 Biology Princ I (Lec) _____ 3 _____
BIOL 165 Biology Princ I (Lab) _____ 1 _____
BIOL 156 Biology Princ II (Lec) _____ 3 _____
BIOL 166 Biology Princ II (Lab) _____ 1 _____
BIOL 202 Principles of Ecology _____ 3 _____
BIOL 201 Genetics _____ 3 _____
BIOL 203 Cell Biology _____ 3 _____
SCED 476 STS _____ 3 _____
BIOL 382 Evolution _____ 3 _____
BIOL *** _____ 3 _____
BIOL *** _____ _____

CHEM 154 Gen Chemistry II (Lab) _____ 3 _____
CHEM 251 Organic Chemistry (Lec) _____ 3 _____
CHEM 261 Organic Chemistry (Lab) _____ 1 _____

***BIOL 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.

¹Math 110 may only be used under I-C.

FLAGS - Record below

* _____ First Year Values (V)
_____ Writing Intensive (W)
_____ Quantitative Reasoning (Q)
_____ Writing Intensive (W)

**CONTENT COMPETENCIES REQUIRED FOR
CERTIFICATION IN PENNSYLVANIA**

MATHEMATICS

MATH 171: Pre-calculus
MATH 112 – 999

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 331: Studies in the African-American Novel
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