

College of Arts and Sciences

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GENERAL EDUCATION REQUIREMENTS – 48 CREDITS

Please refer to the approved list of Gen. Ed. courses

- I. LIBERAL EDUCATION SKILLS - 12 CREDITS
A. English Composition (3 credits) ENGL 111: Writing II
B. Mathematics Requirement (3 credits)\*
C. Credits to total 12 in Category I, selected from at least two of the following: Academic Enrichment, MMAJ 140 or 340, Computer Information Science, CSD 465, Elementary Foreign Language, English Composition, Hon 128, INQ 100, Logic, Mathematics, & Speech Communication
II. LIBERAL KNOWLEDGE – 27 CREDITS
A. Physical and Biological Sciences – 9 credits
B. Social & Behavioral Sciences – 9 credits
C. Arts & Humanities – 9 credits
III. HEALTH AND PERSONAL PERFORMANCE – 3 CREDITS
A. Health and Wellness HPE 111: Health Education 2
B. Personal Performance 1
IV. GEN. ED. ELECTIVES – CR. TO TOTAL 48 GEN. ED. no more than 1 credit from area III.B allowed.

\*All students are required to take MATH 221 and one additional MATH 111-499. These courses can be counted under General Education.1

Maximum credits in a single discipline (including the major, General Education & Free Electives) are limited to 39.

At least 42 credits (including the major, General Education & Free Electives) must be earned in advanced coursework.

V. REQUIREMENT FOR THE B.S. INTEGRATED STUDIES DEGREE: 72 CREDITS

A. Science and Mathematics concentration – 30-35 credits

- 1. Required Core (15-16 credits)2
Choose 2 of the following course sequences
CHEM 153/163: General Chemistry I (Lec/Lab) 3/1
CHEM 154/164: General Chemistry II (Lec/Lab) 3/1
or CHEM 151/161: Chem Principles I (Lec/Lab) 3/1
CHEM 152/162: Chem Principles II (Lec/Lab) 3/1
or BIOL 155/165: Prin Biology I (Lec/Lab) 3/1
BIOL 156/166: Prin Biology II (Lec/Lab) 3/1
or PH 251 General Physics I 4
PH 252 General Physics II 4
or PH 258: Intro to Physics I (Lec/Lab) 3/1
PH 259: Intro to Physics II (Lec/Lab) 3/1
or MATH 270: Calculus I 4
MATH 271: Calculus II 4
or ES 150: Physical Geology 4
ES 260: Environmental Geology 3
2. Skills Competency (6-7 credits)3
2 courses required, 1 from each category
Technical Writing
ENGL 371: Workplace Writing 3
ENGL 372: Technical Writing 3
ENGL 377: Research Writing & Methodology 3
Technical and Professional Skills
ART 124: Digital Art Foundations 3
ES 210: Fund of Digital Mapping 3
ECON 211: Prin of Macroeconomics 3
ECON 212: Prin of Microeconomics 3
CIS 202: Intro Prog and Algorithms 3
COM 214: Business and Professional Speaking 3
MGMT 120: Intro to Management 3
SPAN 251 or 252: Intermediate Spanish 3
FR 251 or 252: Intermediate French 3

- 3. Advanced elective coursework (9-12 credits)4

C. Additional credits in any courses numbered 300 or above to total 24. (5-15 credits)

D. Free electives to total 120

FLAGS

- First Year Values (V)
Second Values (S)
Writing Intensive (W)
Writing Intensive (W)
Quantitative Reasoning (Q)
Information Literacy (I)

## University Requirements Relating to Academic Requirements

- A student is obligated by those requirements, which are in effect at the time of his/her matriculation, but if he/she changes majors he/she is obligated by the requirements in effect at the time of the change. If a student has been out of school for more than two years and is readmitted, he/she is treated as a new student for requirement purposes.
- A minimum of 120 credits must be presented for graduation, of which at least 45 of the last 64 credits must have been earned in residence.
- No more than 2 credits of Personal Performance (III.B.) may be counted for graduation.
- Upon presentation of form DD 214, the university grants a maximum of 4 credits in Health and Physical Education for active military service of 4 months or more. Credit is normally given for HPE 111 (2 credits) and 2 HPE activity courses of 1 credit each.
- Maximum loads: students with a QPA of 3.0, 21 hours; students in good standing\*, 18 hours; students on probation, 15 hours.  
\*To be in good academic standing, undergraduate students must maintain a quality point average of 2.00 for both semester and cumulative averages.
- After a student has earned a minimum of 30 semester hours of credit and if he/she is good academic standing, he/she may schedule a maximum of six courses or 18 credit hours for Credit-No Record. Once such course may be taken each semester. Courses in the student's major may not be taken on a Credit-No Record basis.
- Course credits not to exceed 18 semester hours may be earned by departmental examination at Clarion. Application should be made in the Office of the Registrar.
- All candidates for an undergraduate degree must be in good academic standing (i.e., have a cumulative QPA of 2.00).

\*Students may take a double major by satisfying the major requirements of two programs within a single degree. For example, one may take a B.A. with majors in English and Speech Communication. Ordinarily a double major (two majors within one degree) can be completed in 120 hours. Students who have earned their first baccalaureate degree from Clarion University may earn a second baccalaureate degree from a different university or different degree (B.S., B.A., or B.F.A.) within the same college. This can be accomplished by completing all of the requirements of both degrees. In this case, the student will receive two diplomas. Students also may pursue two baccalaureate degrees concurrently by completing all of the requirements of both degrees. Students who have earned their first baccalaureate degree from another institution are responsible for satisfying Clarion University's residence requirements.

## NOTES

- 1 MATH 221 will fulfill the Quantitative Reasoning flag for General Education, but it can also be applied in category IC or IIA.
- 2 As many as 9 credits from this list may be entered under Liberal Knowledge category II.A.
- 3 As many as 6 credits from this list may be entered under each of Liberal Knowledge category II.B and II.C.
- 4 Complete three courses from the following list, at least one must be at the 300-400 level: a COOP 300 level or higher, CHEM 251/252, 261/262, MATH 272, PH 254, BIOL 201, 202, 203, ES 250, 255, or any 300-400 level courses from the following: BIOL CHEM, ES, GEOG, MATH, PH.

**No Changes Since Fall 2021**

**Degree: B.S. Integrative Studies Science and Mathematics**