## **Chemistry Education 9-Adult**

International Understanding

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Courses required for Chemistry 9-Adult
         CHEM 111 (Organic Chemistry I)*
                                                                           4 credits
         CHEM 112 (General Chemistry I)*
                                                                           4 credits
         CHEM 221 (General Chemistry II)*
                                                                           4 credits
         CHEM 222 (Organic Chemistry II)*
                                                                           4 credits
         CHEM 324 (Analytical Chemistry)*
                                                                           4 credits
         CHEM 385 (Writing for Chemistry I)
                                                                           1 credit
         CHEM 386 (Writing for Chemistry II)
                                                                           1 credit
         CHEM 477 OR CHEM 478 (Senior Seminar in Chemistry)
                                                                           1 credit
         CHEM 490 (Senior Project)
                                                                           2-4 credits
         PHYS 201 (General Physics I)*
                                                                           4 credits
         PHYS 202 (General Physics II)*
                                                                           4 credits
         MATH 201 (Calculus I)*
                                                                           4 credits
         MATH 202 (Calculus II)*
                                                                           4 credits
For Chemistry Education Grades 9-12 Track the following courses are also required:
         Two credits in one of the following courses:
         CHEM 315 (Advanced Methods of Analysis: Spectroscopy)*OR
                                                                           2 credits
         CHEM 335 (Advanced Methods of Analysis: Chromatography)*
                                                                           2 credits
         CHEM 320 (Physical Chemistry I with Biological Applications)*
                                                                           4 credits
         CHEM 326 (Physical Chemistry II)*
                                                                           4 credits
         CHEM 351 (Molecular Biology and Biochemistry I)*
                                                                           4 credits
         CHEM 404 (Advanced Inorganic Chemistry)*
                                                                           4 credits
         GENS 200 (Laboratory Safety for the Use of Hazardous Materials)* 1 credit
         GENS 480 (Methods and Materials in Teaching.
                    Physical & Life Sciences)*
                                                                           3 credits
Candidates will be recommended for WV state certification only when the following requirements have also been completed: all
courses listed below, the Professional Portfolio, requirements for a Bethany degree, and WV-required PRAXIS I and II tests (passed
according to WV-required cut-off scores). Courses listed above indicated with an * and courses listed immediately below must be
completed prior to the 445/470/471/472 Block – i.e. they are prerequisites to Student Teaching.
         EDUC 203 (Human Development)
                                                                           3 credits
         SPED 207 (Exceptionalities and Diversities)
                                                                           3 credits
         SPED 208 (The Special Education Process)
                                                                           3 credits
         EDUC 242 (Professional Principles)
                                                                           3 credits
         EDUC 282 (Instructional Technology)
                                                                           3 credits
         EDUC 295 (Multicultural Field Experience)
                                                                           NC
         EDUC 348 (Classroom Discipline and Instruction)
                                                                           3 credits
         EDUC 426 (Principles & Techniques of Middle School Educ.)
                                                                           2 credits
         EDUC 427 (Middle School Curriculum & Organization)
                                                                           1 credit
         RDNG 376 (Content Area Literacy)*
                                                                           3 credits
         PSYC 100 (General Psychology)
                                                                           4 credits
         SOCI/SOWO 210 (Human Diversity)
                                                                           3 credits
Candidates must be admitted to the Education Program in order to enroll in student teaching.
Student Teaching Block:
         EDUC 445 (Professional Issues in Education)
                                                                           4 credits
         EDUC 470 (Clinical Practice and Student Teaching I)
                                                                           4 credits
         EDUC 471 (Clinical Practice and Student Teaching II)
                                                                           4 credits
         EDUC 472 (Student Teaching Seminar)
                                                                           2 credits
         EDUC 473 (Philosophy of Education)
                                                                           2 credits
Requirements for a Bethany BA degree include the following:
         First-Year Experience (FSEM 111, FSEM 112, FSEM 113)
                                                                           7 credits
         ENGL 111 (College Writing)
                                                                           3 credits
         RELS 100 (Introduction to Religion)
                                                                           3 credits
                                                                           3 credits
         Creative Arts
                                                                           3 credits
         Wellness course
         World Languages and Culture Requirement
                                                                           8 credits
         Liberal Arts Core
                  Contemporary Society and Institutions
                                                                  Literature
                                                                                                    Life Science
                  Cultural Awareness (SOCI 210)
                                                                  Mathematical Understanding
                  Human Behavior (EDUC 203)
                                                                  Physical Science
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