

# WASHBURN UNIVERSITY

## BA Degree in Chemistry for Chemistry Teacher Licensure (6-12) - Suggested Program of Study

<p><b>Year 1/Semester 1 (17)</b>            ___ EN 101 (3) Freshman composition (<b>Note 2</b>)            ___ (3) Social Sciences General Education (<b>Note 4</b>)            ___ MA 116 (3) College Algebra or equivalent            ___ CH 151 (5) Fundamentals of Chemistry I            ___ WU 101 (3) Washburn Experience</p>	<p><b>Year 1/Semester 2 (14)</b>            ___ CN 150 (3) Public Speaking (<b>Note 2</b>)            ___ (3) Humanities General Education (<b>Note 4</b>)            ___ CH 152 (5) Fundamentals of Chemistry II            ___ CM 101 (3) Computer Competency &amp; Internet (<b>Note 1</b>)</p>	<p><b>Year 1/Summer (6)</b>            ___ (3) Social Science General Education (<b>Note 4</b>)            ___ (3) Natural Science General Education (<b>Note 4</b>)</p>
<p><b>Year 2/Semester 1 (16-17)</b>            ___ CH 340 (3) Organic Chemistry I            ___ CH 342 (2) Organic Chemistry Lab I            ___ (3) Art, Music, Theatre General Education (<b>Note 4</b>)            ___ (4) Foreign Language            ___ (4-5) Natural Science General Education                [PS 126 recommended] (<b>Note 4</b>)</p>	<p><b>Year 2/Semester 2 (16)</b>            ___ (4) Foreign Language            ___ ED 150 (1) Educational Participation in the Community (EPIC)            ___ ED 200 (3) Educational Psychology            ___ CH 341 (3) Organic Chemistry II            ___ CH 343 (2) Organic Chemistry Lab II            ___ (3) Social Sciences General Education (<b>Note 4</b>)</p>	<p><b>Year 2/summer (6)</b>            ___ (3) Humanities General Education (<b>Note 4</b>)            ___ ED 225 (3) Becoming an Educational Professional</p>
<p><b>Year 3/Semester 1 (15)</b>            ___ EN 300 (3) Advanced Composition (<b>Note 2 &amp; 3</b>)            ___ PS 261 (5) College Physics I            ___ CH 320 (3) Analytical Chemistry            ___ CH 321 (1) Analytical Chemistry Lab            ___ ED 302 (3) Teaching Exceptional Learners</p>	<p><b>Year 3/Semester 2 (16)</b>            ___ CH 390 (1) Chemistry Research            ___ CH 391 (1) Chemistry Seminar            ___ PS 262 (5) College Physics II            ___ (3) Social Sciences General Education (<b>Note 4</b>)            ___ ED 300 (3) Integrating Technology in the Curriculum            ___ ED 352 (3) Methods of Teaching Science in Sec. School or ED 350 (3) General Secondary Methods</p>	<p><b>Year 3/Summer (6)</b>            ___ RD 484 (3) Teaching Reading in Content Areas            ___ (3) Humanities General Education (<b>Note 4</b>)</p>
<p><b>Year 4/Semester 1 (14)</b>            ___ CH 350 (3) Biochemistry I            ___ CH 351 (2) Biochemistry Lab I            ___ (3) Social Sciences General Education (<b>Note 4</b>)            ___ (3) Humanities General Education (<b>Note 4</b>)            ___ ED 385 (3) Foundations of Education</p>	<p><b>Year 4/Semester 2 (15)</b>            ___ ED 400 (2) Understanding the School            ___ ED 405 (1) Classroom Management            ___ ED 410 (12) Secondary Student Teaching</p>	

**Note 1:** CM 101, Computer Competency & Internet must be completed prior to enrollment in ED 300. (CM 101 requirement may also be met through the Computer Competency Exam. See the Education Department Technology Advisor.)

**Note 2:** University “core” requirements and correlated courses - a grade of “C” or better is required.

**Note 3:** EN 300 - Advanced Composition - Teaching Emphasis is required of all degree-seeking candidates.

**Note 4:** No more than 6 hours may be counted from any one discipline for Social Science and Humanities general education requirements. Two disciplines other than Mathematics are required for the Mathematics/Natural Science general education requirement. All general education electives must be selected from the Approved General Education courses. See University Catalog. Courses in the student’s major do not fulfill general education requirements.