

Bachelor of Science in Chemistry Education

This program is accredited by the National Council for Accreditation of Teacher Education (NCATE). The program qualifies a person to teach secondary school chemistry. After graduation, students may apply for the Alabama Class B Certificate: Chemistry, grades 7-12; and the SDA Basic Teaching Certificate: Chemistry, grades 7-12. Chemistry Education majors must work as lab assistants and tutors in the department.

Program advisor: R. Ranatunga

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Professional Studies:

Professional Studies Core Curriculum	36 hours
ED 335 Methods in Teaching Science.....	2 hours
ED 340 Methods in Teaching Secondary Reading	3 hours
Total	41 hours

Academic Major: Chemistry

CH 141-142 General Chemistry**	8 hours
CH 211 Analytical Chemistry I.....	3 hours
CH 311-312 Organic Chemistry and Laboratory	8 hours
CH 331 Nutritional Biochemistry	3 hours
CH 341 Physical Chemistry and Laboratory	4 hours
CH 401 Biochemistry and Laboratory	4 hours
CH 410 Applied Chemistry	3 hours
BI 131-132 General Biology**	8 hours
MA 171-172 Calculus**	8 hours
PY 307 Statistical Methods	3 hours
Total	52 hours

Total hours required for the degree are 139.

**Meets a general education requirement.

Professional Studies Core Curriculum:

ED 130 Orientation to Teaching	2 hours
ED 200 Educational Psychology.....	3 hours
ED 240 Principles of Teaching: P-12	2 hours
ED 254 History, Philosophy, and Foundations of Education.....	2 hours
ED 275 Instructional Technology.....	3 hours
ED 300 Classroom Organization and Management: P-12	3 hours
ED 350 Introduction to Special Education.....	3 hours
ED 370 Tests and Measurements.....	3 hours
ED 400 Praxis II Preparation	1 hour
ED 420 or 430 or 440 Internship	11-12 hours
FS 355 Human Development	3 hours
Total	36-37 hours

General Education Requirement Variations:

ED 275 substitutes for IT 120

No substitute for RG 301.