



College of Science, Engineering and Technology

Chemistry

Chemistry Secondary Certification Curriculum*

Suggested Curriculum Sequence

Freshman Year^a

First Semester			Hours	Second Semester			Hours
CHE	099	Freshman Orientation	1	CHE	202	General Chemistry and Qualitative Analysis	5
CHE	201	General College Chemistry	5	EDP	260	Psychology of Human Development	3
CHE	120	Chemical Lab Safety	1	ENG	102	Composition and Research	3
ENG	101	Composition	3	MAT	250	Calculus and Analytic Geometry I	5
EDU	103	Introduction to Education ^b	3	CIV	101	World Civilizations and Cultures	3

Sophomore Year

First Semester			Hours	Second Semester			Hours
CHE	305	Analytical Chemistry	5	CHE	320	Organic Chemistry II	3
CHE	312	Organic Chemistry I	5	PHY	132/133	General Physics II ^c	4
CIV	102	World Civilizations & Cultures II	3	COM	161	Introduction to Public Speaking ^b	3
PHY	130/131	General Physics I ^c	4	SED	300	Education of Students with Disabilities Minor Course	3
CHE	303	Strategies of Teaching Chemistry	3				

Junior Year

First Semester			Hours	Second Semester			Hours
HUM	211	The Western Humanities Tradition: Continuity	3	CHE	403	Basic Physical Chemistry	5
CHE		Chemistry Elective ^d	3	COM	372	Communication in the Educational Environment	3
CSC	199	Introduction to Information Technology ^b Minor Course	6			Minor Course	6

Senior Year

First Semester			Hours	Second Semester			Hours
EDU	403	Structures and Foundations of Education	2	SEC	421	Student Teaching in the Secondary School	14
SEC	420	Practicum in Secondary School	2	EDU	422	Student Teaching Seminar	3
EDU	405	Evaluation and Measures in Education Minor Course	6				

*One minor is required for B.A. or B.S. degree.

^aElectives should be chosen to complete the requirement for a minor in another discipline. Students are encouraged to begin work on a minor by at least the sophomore year. Schedule electives to complete the university studies requirements and provide 127-132 semester hours for the baccalaureate degree.

^bWith a grade of C or better

^cStudents pursuing a Physics minor may substitute PHY 235/236 and 255/256 for PHY 130/131 and 132/133.

^dSelect from CHE 330, CHE 352, CHE 502 or CHE 513.

Murray State University does not discriminate on the basis of race, color, national origin, sex, disability, age, religion, or marital status in admission to educational programs and activities, or employment practices in accordance with Title VI, Title VII, Title IX, Section 504, and ADA Act. For more information contact Annazette McCane, director of Equal Opportunity; Murray State University; 319 Wells Hall, Murray, KY 42071-3318; telephone (270) 762-3155 (voice) and (270) 762-3361 (TDD).

For More Information Contact:

CHAIR
DEPARTMENT OF CHEMISTRY
MURRAY STATE UNIVERSITY
456 BLACKBURN SCIENCE BLDG
MURRAY KY 42071-3346
Telephone: (270) 762-2586

www.murraystate.edu/chemistry