

# NKU

## SECONDARY EDUCATION

### CHEMISTRY (8-12)

Name \_\_\_\_\_

Email \_\_\_\_\_

#### SPECIAL CONTENT AREA REQUIREMENTS:

- Minimum Content Area GPA: 2.75
- No minimum grade for content area courses

#### YOU NEED TO KNOW

- As a Secondary/P-12 Education major you have two advisors. Your main advisor is in the College of Arts & Sciences - they guide you in planning your content courses and clear your advising hold if you have one. Your second advisor is in the COE Advising Center and guides you in planning for education requirements.
- Some courses in this major may also be used toward Foundation of Knowledge (general education) requirements.
- The Admission Semester, Professional Semester I, and Professional Semester II are "blocks." The classes in these groups must be taken together in the same semester. You may take other classes with these blocks if appropriate.
- Elective credit hours be necessary in order to earn the minimum of 120 credit hours required for graduation.
- Details on this checklist are subject to change including course rotation and availability, pre-requisites, and/or course credit hours. Maintain contact with your assigned advisor to make sure you remain informed of any such changes.

## CHEMISTRY CONTENT COURSES

Course Title / Requirement Name	Rotation	Pre-Requisite(s)	Course Number	Semester	Credit	Grade
Introduction to Chemistry and Biochemistry	F Sp	Co-req: CHE 120	CHE 125	_____	_____	_____
General Chemistry I	F Sp	HS chemistry & ACT Math 22 or CHE 102 (min. grade B-) Co-req: CHE 120L	CHE 120	_____	_____	_____
General Chemistry I Laboratory	F Sp	Co-req: CHE 120	CHE 120L	_____	_____	_____
General Chemistry II	Sp Su	CHE 120 (min. grade C-)	CHE 121	_____	_____	_____
General Chemistry II Laboratory	Sp Su	CHE 120L (min. grade C-); pre-req/co-req: CHE 121	CHE 121L	_____	_____	_____
Organic Chemistry I	F Sp	CHE 121 (min. grade C-)	CHE 310	_____	_____	_____
Organic Chemistry I Laboratory	F Sp	CHE 121L (min. grade C-); pre-req/co-req CHE 310	CHE 310L	_____	_____	_____
Organic Chemistry II	Sp Su	CHE 310 (min. grade C-)	CHE 311	_____	_____	_____
Organic Chemistry II Laboratory	Sp Su	CHE 310L (min. grade C-); pre-req/co-req CHE 311	CHE 311L	_____	_____	_____
Analytical Chemistry	F	CHE 121 (min. grade C-); co-req: CHE 340L	CHE 340	_____	_____	_____
Analytical Chemistry Lab	F	CHE 121L; co-req: CHE 340	CHE 340L	_____	_____	_____
Physical Chemistry I	F	CHE 121 & MAT 229 (min. grade C-); Pre-req/co-req: PHY 222 or PHY 213	CHE 360	_____	_____	_____
Physical Chemistry II	Sp	CHE 360, MAT 228/229, PHY 222/213	CHE 361	_____	_____	_____
Physical Chemistry Lab	F Sp	Pre-req/co-req: CHE and CHE 391W	CHE 362L	_____	_____	_____
Chemical Information and Writing	F Sp	ENG 101 or equivalent and one upper division CHE course	CHE 391W	_____	_____	_____
Chemistry Seminar	F Sp	CHE 391W and additional 20 hours in CHE courses	CHE 400	_____	_____	_____
Chemistry Upper Division Elective	varies	varies	_____	_____	_____	_____
Calculus Sequence MAT 129 & 229	F Sp	ACT Math 27 or MAT 119 (min. grade B-) or placement	_____	_____	_____	_____
or			_____	_____	_____	_____
MAT 128, 227, & 228			_____	_____	_____	_____
Physics Sequence PHY 211 & 213 or	F Sp	varies	_____	_____	_____	_____
PHY 220 & 222			_____	_____	_____	_____

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#### YOU NEED TO KNOW

- The Teacher Education Program has special admission requirements. Everybody starts as a pre-major, and certain requirements must be met in order to be admitted. Consult the undergraduate catalog for more details.
- 'C' is the minimum acceptable grade for all courses in the Teacher Education Program except CMST 101 and ENG 102 or their equivalents, which have a minimum acceptable grade of 'B', and PSY 100, which has no minimum passing grade.
- The Admission Semester, Professional Semester I, and Professional Semester II are "blocks." The classes in these groups must be taken together in the same semester. You may take other classes with these blocks if appropriate.
- Teaching Methods courses must be taken with either Professional Semester
- All required courses must be completed with minimum grades and GPAs met before entering the Clinical Experience, and no other classes may be taken with it.
- Details on this checklist are subject to change including course rotation and availability, pre-requisites, and/or course credit hours. Maintain contact with your assigned advisor to make sure you remain informed of any such changes.

### PRE-ADMISSION COURSES

Course Title / Requirement Name	Rotation	Pre-Requisite(s)	Course Number	Semester	Credit	Grade
Orientation to the Education Profession	F Sp		EDU 104	_____		_____
Public Speaking	F Sp Su		CMST 101	_____		_____
Chemical Information and Writing	F Sp	ENG 101 or equivalent and one upper division CHE course	CHE 391W	_____		_____
Introduction to Psychology	F Sp Su		PSY 100	_____		_____
Human Growth & Development	F Sp Su	PSY 100	EDU 300	_____		_____
Introduction to Education	F Sp Su	EDU 104	EDU 305	_____		_____
Education in a Multicultural Society	F Sp Su	Sophomore standing	EDU 316	_____		_____

### ADMISSION SEMESTER

Course Title / Requirement Name	Rotation	Pre-Requisite(s)	Course Number	Semester	Credit	Grade
Admission Field Experience Secondary		EDU 104 and PSY 100 ≥ 45 earned credit hours	EDU 311	_____		_____
Instructional Technology	F Sp	≥ 2.75 overall GPA or ≥ 3.00 GPA in last 30 credit hours Pass criminal background check	EDU 313	_____		_____
Children w/ Exceptionalities in the Schools		Acceptable scores from ACT and/or Praxis I Core Academic Skills for Educators exams (check w/ COE advisor)	EDS 360	_____		_____

### TEACHING METHODS & READING

Course Title / Requirement Name	Rotation	Pre-Requisite(s)	Course Number	Semester	Credit	Grade
Reading Course EDU 304 or EDU 354	F Sp	Admission to Teacher Education Program	_____	_____		_____
Teaching Science in Secondary Schools	F	24 earned hours in content classes (min. grade C)	EDU 330	_____		_____

### PROFESSIONAL SEMESTER I

Course Title / Requirement Name	Rotation	Pre-Requisite(s)	Course Number	Semester	Credit	Grade
Inst. Plan. for Inclusive Sec. Classrooms		Admission Semester w/ min. grades met All pre-admission EDU & EDS courses (min. grade: C) ≥ 60 earned credit hours	EDS 324	_____		_____
Fundamentals of Secondary Education	F Sp	≥ 2.75 overall GPA or ≥ 3.00 GPA in last 30 credit hours ENG 102 and CMST 101 or equivalent (min. grade: B) Any Culture & Creativity gen ed course (min. grade: C)	EDU 324	_____		_____
Secondary Field Experience I		Any Science, Math or Ind. & Society course (min. grade: C) Approval of Teacher Education Committee	EDU 393	_____		_____

### PROFESSIONAL SEMESTER II

Course Title / Requirement Name	Rotation	Pre-Requisite(s)	Course Number	Semester	Credit	Grade
Classroom Climate Mgmt.: Secondary			EDU 319	_____		_____
Educational Assessment: Secondary Schools	F Sp	Professional Semester I w/ min. grades met	EDU 325	_____		_____
Secondary Field Experience II			EDU 396	_____		_____

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#### CLINICAL EXPERIENCE ELIGIBILITY CHECK

Complete all Foundation of Knowledge requirements

Earn at least 120 credit hours

Earn at least 45 upper-division credit hours

Fulfill NKU's residency requirement

Meet all minimum acceptable grades for the major

Meet the minimum cumulative NKU GPA (2.75) \_\_\_\_\_

Meet the minimum combined NKU & transfer GPA (2.75) \_\_\_\_\_

Meet the minimum pedagogy GPA (2.75) \_\_\_\_\_

Meet the min. GPA for the content area (2.75) \_\_\_\_\_

NOTES

\_\_\_\_\_  
DEPARTMENT CHAIR / DESIGNEE SIGNATURE

### CLINICAL EXPERIENCE

Course Title / Requirement Name	Rotation	Pre-Requisite(s)	Course Number	Semester	Credit	Grade
Clinical Experience: Secondary	F Sp	Department approval; consult advisor	EDU 496	_____	_____	_____

### COURSE SUBSTITUTIONS

Content Area Courses					Pedagogy Courses				
Required Course	Substitute Course	Semester	Credit	Grade	Required Course	Substitute Course	Semester	Credit	Grade
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____
_____	_____	_____	_____	_____	_____	_____	_____	_____	_____