

MY DEGREE MAP  
COLLEGE OF EDUCATION RECOMMENDED ACADEMIC PLAN  
CHEMISTRY EDUCATION – PROGRAM YEAR 2019-20

1 <sup>ST</sup> YEAR			
1 <sup>ST</sup> SEMESTER	HOURS	2 <sup>ND</sup> SEMESTER	HOURS
TROY 1101	1	ENG 1102/04	3
ENG 1101/03	3	CHM 1143/L143	3/1
MTH 1125	4	MTH 1126	4
AREA II FINE ARTS COURSE	3	EDU 3310	3
CHM 1142/L142	3/1	PHY 2262/L262	3/1
	15		18
2 <sup>ND</sup> YEAR			
3 <sup>RD</sup> SEMESTER	HOURS	4 <sup>TH</sup> SEMESTER	HOURS
AREA II LIT COURSE	3	IS 2241	3
BIO 1100/L100	3/1	CHM 3343/L343	3/1
CHM 3342/L342	3/1	AREA II HUM/FA COURSE	3
PHY 2263/L263	3/1	EDU 3303	3
EDU 3305	3	AREA IV SS COURSE	3
	18	ADMIT TO TEP	16
3 <sup>RD</sup> YEAR			
5 <sup>TH</sup> SEMESTER	HOURS	6 <sup>TH</sup> SEMESTER	HOURS
CHM 3381/L381	3/1	CHM 3382	3
CHM 2242/L242	3/1	CHM 4444/L444	3/1
AREA II HUM/FA COURSE	3	CHM 4445/L445	3/1
SPE 3340	3	APPROVED MAJ ELEC	2
EDU 4400	3	RED 4401	3
		AREA IV SS COURSE	3
	17		19
4 <sup>TH</sup> YEAR			
7 <sup>TH</sup> SEMESTER	HOURS	8 <sup>TH</sup> SEMESTER	HOURS
AREA IV HIS COURSE	3	CHM 4474	9
APPROVED MAJ ELEC	3/1	SED 4454	3
AREA IV SS COURSE	3		
CHM 4481	3		
EDU 4471	3		
SUBMIT GRADUATION APPLICATION	16		12
MINIMUM HOURS REQUIRED FOR DEGREE			131

## COLLEGE OF EDUCATION RECOMMENDED ACADEMIC PLAN CHEMISTRY EDUCATION – PROGRAM YEAR 2019-20

COMPLETE ALL REQUIREMENTS (58 HOURS)

### AREA I

MINIMUM GRADE OF "C" REQUIRED

ENG 1101 COMP AND MODERN ENGLISH I 3 HOURS

ENG 1102 COMP AND MODERN ENGLISH II 3 HOURS

### AREA II

TAKE ANY 1000-2000 LEVEL COURSE IN LITERATURE 3 HOURS

TAKE ANY 1000-2000 LEVEL COURSE WITH AN EXPANDED HISTORICAL AND CULTURAL SCOPE IN FINE ARTS, INCLUDING THE DISCIPLINES OF ART, MUSIC, THEATRE, FILM, OR OTHER FINE ARTS AREA. 3 HOURS

TAKE ANY TWO 1000-2000 LEVEL COURSES WITH AN EXPANDED HISTORICAL AND CULTURAL SCOPE IN THE HUMANITIES/FINE ARTS DISCIPLINES, INCLUDING ENGLISH, FOREIGN LANGUAGES, RELIGION, PHILOSOPHY, CLASSICS, THEATRE, MUSIC, DANCE, COMMUNICATION, SIGN LANGUAGE, INTERDISCIPLINARY STUDIES, OR OTHER HUMANITIES/FINE ARTS AREAS. 6 HOURS

NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.

### AREA III

TAKE MTH 1125 4 HOURS  
MINIMUM GRADE OF "C" REQUIRED

TAKE THE FOLLOWING COURSES:

BIO 1100/L100 PRINCIPLES OF BIOLOGY AND LAB 3/1 HOURS

CHM 1142/L142 GENERAL CHEMISTRY AND LAB 3/1 HOURS

### AREA IV

TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY. 3 HOURS

TAKE ANY THREE 1000-2000 LEVEL COURSES FROM THE FOLLOWING SOCIAL SCIENCE DISCIPLINES: ANTHROPOLOGY, BUSINESS, CRIMINAL JUSTICE, ECONOMICS, GEOGRAPHY, HISTORY, HUMAN SERVICES, LEADERSHIP, INTERDISCIPLINARY STUDIES, NURSING, POLITICAL SCIENCE, PSYCHOLOGY, RELIGION, SOCIAL WORK, SOCIOLOGY, OR OTHER SOCIAL SCIENCE AREAS. 9 HOURS

NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.

### AREA V

TAKE THE FOLLOWING COURSES:

TROY 1101 UNIVERSITY ORIENTATION 1 HOUR

IS 2241 COMPUTER CONCEPTS 3 HOURS

MTH 1126 CALCULUS II 4 HOURS

PHY 2262/L262 PHYSICS I WITH CALCULUS AND LAB 3/1 HOURS

PHY 2263/L263 PHYSICS II WITH CALCULUS AND LAB 3/1 HOURS



## COLLEGE OF EDUCATION RECOMMENDED ACADEMIC PLAN CHEMISTRY EDUCATION – PROGRAM YEAR 2019-20

### CHEMISTRY COURSES (31 HOURS) 2.75 GPA REQUIRED

TAKE THE FOLLOWING COURSES:

CHM 1143/L143	GENERAL CHEMISTRY II AND LAB	3/1 HOURS
CHM 2242/L242	ANALYTICAL CHEMISTRY AND LAB	3/1 HOURS
CHM 3342/342	ORGANIC CHEMISTRY I AND LAB	3/1 HOURS
CHM 3343/L343	ORGANIC CHEMISTRY II AND LAB	3/1 HOURS
CHM 3381/L381	PHYSICAL CHEMISTRY I AND LAB	3/1 HOURS
CHM 3382	PHYSICAL CHEMISTRY II	3 HOURS
CHM 4444/L444	ADVANCED INORGANIC CHEMISTRY AND LAB	3/1 HOURS
CHM 4445/L445	INSTRUMENTAL ANALYSIS AND LAB	3/1 HOURS

### CHEMISTRY ELECTIVE REQUIREMENT (6 HOURS)

TAKE 6 ADDITIONAL HOURS OF CHEMISTRY ELECTIVES FROM THE FOLLOWING:

CHM 3352/L352	BIOCHEMISTRY AND LAB (REQ FOR AL TEACHER CERT)	3/1 HOURS
CHM L382	PHYSICAL CHEMISTRY II LAB	1 HOUR
CHM 4400	SPECIAL TOPICS IN CHEMISTRY	3 HOURS
CHM 4403	ADVANCED ORGANIC CHEMISTRY	3 HOURS
CHM 4491/4492	GUIDED INDEPENDENT RESEARCH	1-3 HOURS
CHM 4493/4494	GUIDED INDEPENDENT STUDY	1-3 HOURS
CHM 4499	SENIOR SEMINAR	1 HOUR
STAT 2210	INTRODUCTORY STATISTICS	3 HOURS
CHM 4410/L420	PRINCIPLES OF POLYMER CHEMISTRY AND LAB	3/1 HOURS
CHM 4452	ADVANCED BIOCHEMISTRY	3 HOURS

### PROFESSIONAL STUDIES (36 HOURS)

TAKE THE FOLLOWING COURSES:

(MINIMUM GRADE OF 'C' REQUIRED)

EDU 3310	INTRODUCTION TO EDUCATION	3 HOURS
EDU 3305	TEACHING WITH TECHNOLOGY	3 HOURS
EDU 4471	CURRICULUM & INSTRUCTION DELIVERY	3 HOURS
EDU 3303	EDUCATIONAL PSYCHOLOGY & CLASSROOM ASSESSMENT	3 HOURS
EDU 4400	CLASSROOM MANAGEMENT	3 HOURS
SPE 3340	DIVERSE LEARNERS	3 HOURS
RED 4401	READING IN THE CONTENT AREAS	3 HOURS
CHM 4481	METHODS & MATERIALS	3 HOURS
SED 4454	INTERNSHIP SEMINAR	3 HOURS
CHM 4474	INTERNSHIP IN CHEMISTRY	9 HOURS