

RSITY MY DEGREE MAP COLLEGE OF EDUCATION RECOMMENDED ACADEMIC PLAN CHEMISTRY EDUCATION – PROGRAM YEAR 2016-17

1 ST SEMESTER	Hours	2 ND 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
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3 rd Semester	Hours	4 th 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
2、10万分,10万元,10万元,10万元,10万元,10万元,10万元,10万元,10万元			MELLEN TO
	18	ADMIT TO TEP	16
5 TH SEMESTER	Hours	6 th Semester	Hours
CHM 3381/L381	3/1	CHM 3382	3
CHM 2242/L242	3/1	CHM 4444	3
CHM 2242/L242 AREA II HUM/FA COURSE	3/1	CHM 4444 CHM 4445/L445	3 3/1
CHM 2242/L242 AREA II HUM/FA COURSE SPE 3340	3/1 3 3	CHM 4444 CHM 4445/L445 APPROVED MAJ ELEC	3 3/1 2
CHM 2242/L242 AREA II HUM/FA COURSE	3/1	CHM 4444 CHM 4445/L445 APPROVED MAJ ELEC RED 4401	3 3/1 2 3
CHM 2242/L242 AREA II HUM/FA COURSE SPE 3340	3/1 3 3 3	CHM 4444 CHM 4445/L445 APPROVED MAJ ELEC	3 3/1 2 3 3
CHM 2242/L242 AREA II HUM/FA COURSE SPE 3340	3/1 3 3	CHM 4444 CHM 4445/L445 APPROVED MAJ ELEC RED 4401	3 3/1 2 3
CHM 2242/L242 AREA II HUM/FA COURSE SPE 3340 EDU 4400	3/1 3 3 3 20	CHM 4444 CHM 4445/L445 APPROVED MAJ ELEC RED 4401 AREA IV SS COURSE	3 3/1 2 3 3 18
CHM 2242/L242 AREA II HUM/FA COURSE SPE 3340 EDU 4400 7 TH SEMESTER	3/1 3 3 3 20 Hours	CHM 4444 CHM 4445/L445 APPROVED MAJ ELEC RED 4401 AREA IV SS COURSE	3 3/1 2 3 3 18 HOURS
CHM 2242/L242 AREA II HUM/FA COURSE SPE 3340 EDU 4400 7 th Semester Area IV his course	3/1 3 3 3 20 HOURS 3	CHM 4444 CHM 4445/L445 APPROVED MAJ ELEC RED 4401 AREA IV SS COURSE 8 TH SEMESTER CHM 4474	3 3/1 2 3 3 18 HOURS
CHM 2242/L242 AREA II HUM/FA COURSE SPE 3340 EDU 4400 7TH SEMESTER AREA IV HIS COURSE APPROVED MAJ ELEC	3/1 3 3 3 20 HOURS 3 3/1	CHM 4444 CHM 4445/L445 APPROVED MAJ ELEC RED 4401 AREA IV SS COURSE	3 3/1 2 3 3 18 HOURS
CHM 2242/L242 AREA II HUM/FA COURSE SPE 3340 EDU 4400 7TH SEMESTER AREA IV HIS COURSE APPROVED MAJ ELEC AREA IV SS COURSE	3/1 3 3 3 20 HOURS 3 3/1 3	CHM 4444 CHM 4445/L445 APPROVED MAJ ELEC RED 4401 AREA IV SS COURSE 8 TH SEMESTER CHM 4474	3 3/1 2 3 3 18 HOURS
CHM 2242/L242 AREA II HUM/FA COURSE SPE 3340 EDU 4400 7TH SEMESTER AREA IV HIS COURSE APPROVED MAJ ELEC AREA IV SS COURSE CHM 4481	3/1 3 3 3 20 HOURS 3 3/1 3	CHM 4444 CHM 4445/L445 APPROVED MAJ ELEC RED 4401 AREA IV SS COURSE 8 TH SEMESTER CHM 4474	3 3/1 2 3 3 18 HOURS
CHM 2242/L242 AREA II HUM/FA COURSE SPE 3340 EDU 4400 7TH SEMESTER AREA IV HIS COURSE APPROVED MAJ ELEC AREA IV SS COURSE	3/1 3 3 3 20 HOURS 3 3/1 3	CHM 4444 CHM 4445/L445 APPROVED MAJ ELEC RED 4401 AREA IV SS COURSE 8 TH SEMESTER CHM 4474	3 3/1 2 3 3 18 HOURS
CHM 2242/L242 AREA II HUM/FA COURSE SPE 3340 EDU 4400 7TH SEMESTER AREA IV HIS COURSE APPROVED MAJ ELEC AREA IV SS COURSE CHM 4481 EDU 4471	3/1 3 3 3 20 HOURS 3 3/1 3 3	CHM 4444 CHM 4445/L445 APPROVED MAJ ELEC RED 4401 AREA IV SS COURSE 8 TH SEMESTER CHM 4474	3 3/1 2 3 3 18 HOURS 9
CHM 2242/L242 AREA II HUM/FA COURSE SPE 3340 EDU 4400 7TH SEMESTER AREA IV HIS COURSE APPROVED MAJ ELEC AREA IV SS COURSE CHM 4481 EDU 4471 FILE YOUR INTENT TO	3/1 3 3 3 20 HOURS 3 3/1 3	CHM 4444 CHM 4445/L445 APPROVED MAJ ELEC RED 4401 AREA IV SS COURSE 8 TH SEMESTER CHM 4474	3 3/1 2 3 3 18 HOURS 9
CHM 2242/L242 AREA II HUM/FA COURSE SPE 3340 EDU 4400 7TH SEMESTER AREA IV HIS COURSE APPROVED MAJ ELEC AREA IV SS COURSE CHM 4481 EDU 4471 FILE YOUR INTENT TO GRADUATE	3/1 3 3 3 3 20 HOURS 3 3/1 3 3 3	CHM 4444 CHM 4445/L445 APPROVED MAJ ELEC RED 4401 AREA IV SS COURSE 8 TH SEMESTER CHM 4474	3 3/1 2 3 3 18 HOURS 9



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COMPLETE ALL REQUIREMENTS	(58 HOURS)
AREA I	
MINIMUM GRADE OF "C" REQUIRED Eng 1101 comp and modern english i Eng 1102 comp and modern english ii	3 HOURS 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 Minimum grade of "C" required	4 HOURS
TAKE THE FOLLOWING COURSES: BIO 1100/L100 PRINCIPLES OF BIOLOGY AND LAB CHM 1142/L142 GENERAL CHEMISTRY AND LAB	3/1 HOURS 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 IS 2241 COMPUTER CONCEPTS MTH 1126 CALCULUS II	1 HOUR 3 HOURS 4 HOURS

Every reasonable attempt to ensure accuracy has been made. Some courses (such as developmental or pre-requisite courses) are not reflected in this degree map. Completion of degree requirements is based on the specific catalog year for each student. A minimum of 120 hours is required for all baccalaureate degree programs. At least 25% of the credit hours required for the degree must be completed in residency with troy university. At least 12 semester hours of residency must be completed in each major field(s) of study. A minimum GPA of 2.0 overall and in the major is required to graduate. Note: Please Consult the College of Education or Current Catalog for other requirements not covered in this document. When selecting coursework in areas II or IV.

3/1 HOURS

3/1 HOURS

2262/L262 PHYSICS I WITH CALCULUS AND LAB

2263/L263 PHYSICS II WITH CALCULUS AND LAB

PHY



COLLEGE OF EDUCATION RECOMMENDED ACADEMIC PLAN CHEMISTRY EDUCATION – PROGRAM YEAR 2016-17

CHEMISTRY COURSES	(30 HOURS)
TAKE THE FOLLOWING COURSES: CHM 1143/L143 GENERAL CHEMISTRY II AND LAB CHM 2242/L242 ANALYTICAL CHEMISTRY AND LAB CHM 3342/342 ORGANIC CHEMISTRY I AND LAB CHM 3343/L343 ORGANIC CHEMISTRY II AND LAB CHM 3381/L381 PHYSICAL CHEMISTRY I AND LAB CHM 3382 PHYSICAL CHEMISTRY II CHM 4444 ADVANCED INORGANIC CHEMISTRY CHM 4445/L445 INSTRUMENTAL ANALYSIS AND LAB	3/1 HOURS 3/1 HOURS 3/1 HOURS 3/1 HOURS 3/1 HOURS 3 HOURS 3 HOURS 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) CHM L382 PHYSICAL CHEMISTRY II LAB CHM 4400 SPECIAL TOPICS IN CHEMISTRY CHM 4403 ADVANCED ORGANIC CHEMISTRY CHM L444 ADVANCED INORGANIC LAB CHM 4491/4492 GUIDED INDEPENDENT RESEARCH CHM 4493/4494 GUIDED INDEPENDENT STUDY CHM 4499 SENIOR SEMINAR MTH 2210 INTRODUCTORY STATISTICS	3/1 HOURS 1 HOUR 3 HOURS 3 HOURS 1 HOUR 1-3 HOURS 1-3 HOURS 3 HOURS
PROFESSIONAL STUDIES	(36 HOURS)
TAKE THE FOLLOWING COURSES: (MINIMUM GRADE OF 'C' REQUIRED) EDU 3310 INTRODUCTION TO EDUCATION EDU 3305 TEACHING WITH TECHNOLOGY EDU 4471 CURRICULUM & INSTRUCTION DELIVERY EDU 3303 EDUCATIONAL PSYCHOLOGY& CLASSROOM ASSESSMENT EDU 4400 CLASSROOM MANAGEMENT SPE 3340 DIVERSE LEARNERS RED 4401 READING IN THE CONTENT AREAS CHM 4481 METHODS & MATERIALS SED 4454 INTERNSHIP SEMINAR CHM 4474 INTERNSHIP IN CHEMISTRY	3 HOURS 9 HOURS