

COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN CHEMISTRY MAJOR-PROGRAM YEAR 2020-21

TROY 1101	1 ST YEAR				
STATE STAT	1 ST SEMESTER	HOURS	2 ND SEMESTER	HOURS	
MTH 1125 4 MTH 1126 4 AREA II FINE ARTS COURSE 3 PHY 2262/LAB 3/1 CHM 1142/LAB 3/1 TOTAL 15 TOTAL 15 2ND YEAR 3RD SEMESTER HOURS 4TH SEMESTER HOURS AREA II LIT COURSE 3 IS 2241 3 BIO 1100/LAB 3/1 CHM 3343/LAB 3/1 PHY 2263/LAB 3/1 AREA II HUM/FA COURSE 3 CHM 3342/LAB 3/1 MINOR COURSE 3 STH SEMESTER HOURS AREA IV SECOURSE 3 APPROVED MAJ ELEC 3/1 APPROVED MAJ ELEC 3/1 ANIOR COURSE 3 APPROVED MAJ ELEC 3 3 TOTAL 16 TOTAL 16 APPROVED MAJ ELEC 3 TOTAL 16 TOTAL 16 APPROVED MAJ ELEC 3 CHM 4444/LAB 3/1 APPROVED MAJ ELEC	TROY 1101	1	ENG 1102/04	3	
AREA II FINE ARTS COURSE CHM 1142/LAB TOTAL	ENG 1101/03	3	CHM 1143/LAB	3/1	
CHM 1142/LAB	MTH 1125		MTH 1126	4	
TOTAL 15	AREA II FINE ARTS COURSE	3	PHY 2262/LAB	3/1	
SPD YEAR					
SPECIAL HOURS ATH SEMESTER HOURS	TOTAL			15	
AREA II LIT COURSE BIO 1100/LAB BIO 1100/LAB 3/1 CHM 3343/LAB 3/1 PHY 2263/LAB 3/1 AREA II HUM/FA COURSE 3 CHM 3342/LAB TOTAL TOTAL 3/1 MINOR COURSE 3 TOTAL 3/1 CHM 3342/LAB 3/1 MINOR COURSE 3 TOTAL 5TH SEMESTER HOURS CHM 3381/LAB 3/1 CHM 3382 3/1 CHM 3382 3/1 AREA IV SS COURSE 3 APPROVED MAJ ELEC 3/1 MINOR COURSE 3 MINOR COURSE 3 FREE ELEC 2 FREE ELEC 3 TOTAL 4TH YEAR 7TH SEMESTER HOURS AREA IV HIS COURSE 3 CHM 4444/LAB 3/1 APPROVED MAJ ELEC 3/1 4TH YEAR 7TH SEMESTER HOURS AREA IV HIS COURSE 3 CHM 4444/LAB 3/1 APPROVED MAJ ELEC 2 CHM 4445/LAB 3/1 APPROVED MAJ ELEC 2 CHM 4445/LAB 3/1 APPROVED MAJ ELEC 3 MINOR COURSE 3 AREA IV SS COURSE 3 MINOR COURSE 3 AREA IV SS COURSE 4 TOTAL 16 TOTAL 16 TOTAL 16 TOTAL 16 TOTAL 17 TOTAL 18 TOTAL 1					
BIO 1100/LAB 3/1 CHM 3343/LAB 3/1 PHY 2263/LAB 3/1 AREA II HUM/FA COURSE 3 3/1 MINOR COURSE 3 MINOR COURSE 3 MINOR COURSE 3 APPROVED MAJ ELEC 3/1 AREA II HUM/FA COURSE 3 MINOR COURSE 3 APPROVED MAJ ELEC 3/1 MINOR COURSE 3 APREE ELEC 3 APREE ELEC 3 APPROVED MAJ ELEC 3/1 MINOR COURSE 3 APPROVED MAJ ELEC 3/1 APPROVED					
PHY 2263/LAB 3/1 AREA II HUM/FA COURSE 3 CHM 3342/LAB 3/1 MINOR COURSE 3 TOTAL 15 TOTAL 13 3**D YEAR STH SEMESTER HOURS 6**TH SEMESTER HOURS CHM 3381/LAB 3/1 CHM 3382 3 AREA IV SS COURSE 3 APPROVED MAJ ELEC 3/1 AREA II HUM/FA COURSE 3 MINOR COURSE 3 CHM 2242/LAB 3/1 MINOR COURSE 3 FREE ELEC 2 FREE ELEC 3 TOTAL 16 TOTAL 16 TOTAL 16 TOTAL 16 TOTAL 16 THYEAR THYEAR TOTAL 16 TOTAL 16 TOTAL 16 TOTAL 16 THYEAR THYEAR THYEAR THYEAR THYEAR THYEAR THYEAR THYEAR<					
CHM 3342/LAB					
TOTAL 15 TOTAL 13 3RD YEAR 5TH SEMESTER HOURS 6TH SEMESTER HOURS CHM 3381/LAB 3/1 CHM 3382 3 AREA IV SS COURSE 3 APPROVED MAJ ELEC 3/1 AREA II HUM/FA COURSE 3 MINOR COURSE 3 CHM 2242/LAB 3/1 MINOR COURSE 3 FREE ELEC 2 FREE ELEC 3 FREE ELEC 3 TOTAL 16 TOTAL 16 4TH YEAR 7TH SEMESTER HOURS 8TH SEMESTER HOURS AREA IV HIS COURSE 3 CHM 4444/LAB 3/1 APPROVED MAJ ELEC 2 CHM 4445/LAB 3/1 APPROVED MAJ ELEC 2 CHM 4445/LAB 3/1 AREA IV SS COURSE 3 MINOR COURSE 3 MINOR COURSE 3 FREE ELEC 2 MINOR COURSE 3 AREA IV SS COURSE 3 SUBMIT GRADUATION APPLICATION APPLICATION TOTAL 16					
STH SEMESTER HOURS 6TH SEMESTER HOURS CHM 3381/LAB 3/1 CHM 3382 3 AREA IV SS COURSE 3 APPROVED MAJ ELEC 3/1 AREA II HUM/FA COURSE 3 MINOR COURSE 3 CHM 2242/LAB 3/1 MINOR COURSE 3 FREE ELEC 2 FREE ELEC 3 TOTAL 16 TOTAL 16 TOTAL 16 TOTAL 16 THY YEAR TH SEMESTER HOURS 8TH SEMESTER HOURS AREA IV HIS COURSE 3 CHM 4444/LAB 3/1 APPROVED MAJ ELEC 2 CHM 4445/LAB 3/1 AREA IV SS COURSE 3 MINOR COURSE 3 MINOR COURSE 3 FREE ELEC 2 MINOR COURSE 3 FREE ELEC 3 MINOR COURSE 3 FREE ELEC 3 SUBMIT GRADUATION APPLICATION TOTAL 16	CHM 3342/LAB	3/1	MINOR COURSE	3	
STH SEMESTER HOURS 6TH SEMESTER HOURS CHM 3381/LAB 3/1 CHM 3382 3 AREA IV SS COURSE 3 APPROVED MAJ ELEC 3/1 AREA II HUM/FA COURSE 3 MINOR COURSE 3 CHM 2242/LAB 3/1 MINOR COURSE 3 FREE ELEC 2 FREE ELEC 3 TOTAL 16 TOTAL 16 TOTAL 16 TOTAL 16 THY YEAR TH SEMESTER HOURS 8TH SEMESTER HOURS AREA IV HIS COURSE 3 CHM 4444/LAB 3/1 APPROVED MAJ ELEC 2 CHM 4445/LAB 3/1 AREA IV SS COURSE 3 MINOR COURSE 3 MINOR COURSE 3 FREE ELEC 2 MINOR COURSE 3 FREE ELEC 3 MINOR COURSE 3 FREE ELEC 3 SUBMIT GRADUATION APPLICATION TOTAL 16			THE THE PARTY OF T		
STH SEMESTERHOURS6TH SEMESTERHOURSCHM 3381/LAB3/1CHM 33823AREA IV SS COURSE3APPROVED MAJ ELEC3/1AREA II HUM/FA COURSE3MINOR COURSE3CHM 2242/LAB3/1MINOR COURSE3FREE ELEC2FREE ELEC3TOTAL 16TOTAL 16TOTAL 16TOTAL 16TOTAL 16TH SEMESTERHOURSAREA IV HIS COURSE3CHM 4444/LAB3/1APPROVED MAJ ELEC2CHM 4445/LAB3/1AREA IV SS COURSE3MINOR COURSE3MINOR COURSE3FREE ELEC2MINOR COURSE3AREA IV SS COURSE3SUBMIT GRADUATION APPLICATIONAPPLICATIONTOTAL 14TOTAL 16	TOTAL			13	
CHM 3381/LAB 3/1 CHM 3382 3 AREA IV SS COURSE 3 APPROVED MAJ ELEC 3/1 AREA II HUM/FA COURSE 3 MINOR COURSE 3 CHM 2242/LAB 3/1 MINOR COURSE 3 FREE ELEC 2 FREE ELEC 3 TOTAL 16 TOTAL 16 TOTAL 16 TOTAL 16 TOTAL 16 TOTAL 16 AREA IV HIS COURSE 3 CHM 4444/LAB 3/1 APPROVED MAJ ELEC 2 CHM 4445/LAB 3/1 APPROVED MAJ ELEC 2 CHM 4445/LAB 3/1 AREA IV SS COURSE 3 MINOR COURSE 3 MINOR COURSE 3 FREE ELEC 2 MINOR COURSE 3 AREA IV SS COURSE 3 SUBMIT GRADUATION APPLICATION APPLICATION TOTAL 16	TV .				
AREA IV SS COURSE AREA II HUM/FA COURSE 3 MINOR COURSE 3 MINOR COURSE 3 CHM 2242/LAB FREE ELEC 2 FREE ELEC 3 TOTAL 4TH YEAR TOTAL 16 TOTAL 16 TOTAL 16 TOTAL 16 AREA IV HIS COURSE 3 CHM 4444/LAB APPROVED MAJ ELEC 2 CHM 4445/LAB AREA IV SS COURSE 3 MINOR COURSE 3 MINOR COURSE 3 AREA IV SS COURSE 3 TREE ELEC 2 TOTAL 3 TOTAL 3 TOTAL 4 TOTAL 5 TOTAL 6 TOTAL 6 TOTAL 6 TOTAL 6 TOTAL 7 TOTAL					
AREA II HUM/FA COURSE CHM 2242/LAB 3/1 MINOR COURSE 3 FREE ELEC 2 FREE ELEC 3 TOTAL 16 TOTAL 16 TOTAL 16 4TH YEAR 7TH SEMESTER HOURS AREA IV HIS COURSE 3 CHM 4444/LAB APPROVED MAJ ELEC 2 CHM 4445/LAB AREA IV SS COURSE 3 MINOR COURSE 3 FREE ELEC 2 MINOR COURSE 3 FREE ELEC 3 MINOR COURSE 3 AREA IV SS COURSE 3 AREA IV SS COURSE 3 TOTAL 14 TOTAL 16					
CHM 2242/LAB FREE ELEC 2 FREE ELEC 3 TOTAL 16 TOTAL 16 4TH YEAR 7TH SEMESTER HOURS AREA IV HIS COURSE 3 CHM 4444/LAB APPROVED MAJ ELEC AREA IV SS COURSE MINOR COURSE MINOR COURSE 3 FREE ELEC 3 MINOR COURSE 3 FREE ELEC 2 CHM 4445/LAB 3/1 AREA IV SS COURSE 3 MINOR COURSE 3 FREE ELEC 2 MINOR COURSE 3 AREA IV SS COURSE 3 AREA IV SS COURSE 3 TOTAL 14 TOTAL 16					
FREE ELEC TOTAL				3	
TOTAL 16 TOTAL 16 4TH YEAR 7TH SEMESTER HOURS 8TH SEMESTER HOURS AREA IV HIS COURSE 3 CHM 4444/LAB 3/1 APPROVED MAJ ELEC 2 CHM 4445/LAB 3/1 AREA IV SS COURSE 3 MINOR COURSE 3 MINOR COURSE 3 FREE ELEC 2 MINOR COURSE 3 AREA IV SS COURSE 3 SUBMIT GRADUATION APPLICATION TOTAL 14 TOTAL 14					
4TH YEAR7TH SEMESTERHOURS8TH SEMESTERHOURSAREA IV HIS COURSE3CHM 4444/LAB3/1APPROVED MAJ ELEC2CHM 4445/LAB3/1AREA IV SS COURSE3MINOR COURSE3MINOR COURSE3FREE ELEC2MINOR COURSE3AREA IV SS COURSE3SUBMIT GRADUATION APPLICATION3TOTAL14TOTAL14TOTAL16					
7TH SEMESTERHOURS8TH SEMESTERHOURSAREA IV HIS COURSE3CHM 4444/LAB3/1APPROVED MAJ ELEC2CHM 4445/LAB3/1AREA IV SS COURSE3MINOR COURSE3MINOR COURSE3FREE ELEC2MINOR COURSE3AREA IV SS COURSE3SUBMIT GRADUATION APPLICATION3TOTAL14	TOTAL			16	
AREA IV HIS COURSE APPROVED MAJ ELEC CHM 4445/LAB 3/1 AREA IV SS COURSE MINOR COURSE FREE ELEC MINOR COURSE SUBMIT GRADUATION APPLICATION TOTAL TOTAL CHM 4444/LAB 3/1 3/1 3/1 AREA IV SS COURSE 3 AREA IV SS COURSE 3 TOTAL TOTAL 16	TH CEAAECTED			HOUR	
APPROVED MAJ ELEC 2 CHM 4445/LAB 3/1 AREA IV SS COURSE 3 MINOR COURSE 3 FREE ELEC 2 MINOR COURSE 3 AREA IV SS COURSE 3 AREA IV SS COURSE 3 TOTAL 14 TOTAL 16					
AREA IV SS COURSE MINOR COURSE 3 FREE ELEC MINOR COURSE 3 AREA IV SS COURSE SUBMIT GRADUATION APPLICATION TOTAL TOTAL 14 TOTAL 16					
MINOR COURSE MINOR COURSE MINOR COURSE SUBMIT GRADUATION APPLICATION TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL TOTAL					
MINOR COURSE 3 AREA IV SS COURSE 3 SUBMIT GRADUATION APPLICATION TOTAL 14 TOTAL 16					
SUBMIT GRADUATION APPLICATION TOTAL 14 TOTAL 16				Z	
APPLICATION TOTAL 14 TOTAL 16		3	AKEA IV SS COURSE	3	
		WAT A			
TOTAL PROGRAM 120	TOTAL	14	TOTAL	16	
			TOTAL PROGRAM	120	



COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN CHEMISTRY MAJOR-PROGRAM YEAR 2020-21

COMPLETE ALL REQUIREMENTS	(58 HOURS)
AREA I	
TAKE THE FOLLOWING COURSES: ENG 1101 COMP AND MODERN ENGLISH I ENG 1102 COMP AND MODERN ENGLISH II MINIMUM GRADE OF "C" REQ	3 HOURS 3 HOURS
AREA II	
TAKE ANY 1000 2000 LEVEL COURSE IN LITERATURE 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 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 REQ. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.	
AREA III	
MTH 1125 CALCULUS Minimum Grade of "C" req Bio 1100/L100 Principles of Biology W/ Lab Chm 1142/L142 General Chemistry I W/ Lab	4 HOURS 3/1 HOURS 3/1 HOURS
AREA IV	
TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY TAKE THREE 1000-2000 LEVEL COURSE 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.	3 HOURS 9 HOURS
NOTE: A SEQUENCE IN LITERATURE OR HISTORY IS REQ. WHEN SELECTING COURSEWORK IN AREAS II OR IV, PLEASE CONSIDER THIS REQUIREMENT.	
AREA V	
IS 2241 COMPUTER CONCEPTS AND APPLICATIONS TROY 1101 THE UNIVERSITY EXPERIENCE MTH 1126 CALCULUS II PHY 2262/L262 GENERAL PHYSICS I WITH CALCULUS W/ LAB PHY 2263/L263 GENERAL PHYSICS II WITH CALCULUS W/ LAB	3 HOURS 1 HOUR 4 HOURS 4 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 ARTS AND SCIENCES OR CURRENT CATALOG FOR OTHER REQUIREMENTS NOT COVERED IN THIS DOCUMENT.NOTES: A SECURIFICATION OF HISTORY IS REQUIRED. WHEN SELECTING COURSEWORK IN AREAS II OR IV. PLEASE CONSIDER THIS REQUIREMENT. COURSEWORK MARKED WITH AN ASTERISK (*) ARE INTERNATIONAL COURSES. SIX HOURS OF INTERNATIONAL COURSEWORK IS REQUIRED. CONSIDER THIS REQUIREMENT WHEN SELECTING COURSEWORK IN AREAS II AND IV.



COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN CHEMISTRY MAJOR-PROGRAM YEAR 2020-21

CHEMISTRY MAJOR	(37 HOURS)
TAKE THE FOLLOWING COURSES: 2.0 GPA REQUIRED	
CHM 1143/L143 GENERAL CHEMISTRY II/LAB CHM 2242/L242 ANALYTICAL CHEMISTRY/LAB	3/1 HOURS 3/1 HOURS
CHM 3342/L342 ORGANIC CHEMISTRY I/LAB CHM 3343/L343 ORGANIC CHEMISTRY II/LAB CHM 3381/L381 PHYSICAL CHEMISTRY I/LAB	3/1 HOURS 3/1 HOURS 3/1 HOURS
CHM 3382 PHYSICAL CHEMISTRY II CHM 4444/L444 ADVANCED INORGANIC CHEMISTRY/LAB CHM 4445/L445 INSTRUMENTAL ANALYSIS/LAB	3 HOURS 3/1 HOURS 3/1 HOUR
MAJOR ELECTIVE	6 HOURS
SELECT 6 ADDITIONAL HOURS OF CHEMISTRY COURSES FROM THE FOLLOWING: CHM 3352/L352 (3/1), CHM L382 (1), CHM 4400 (3), CHM 4403 (3), CHM 4420/L420, CHM 4452, CHM 4491/4492 (1-3), CHM 4493/4494 (1-3), CHM 4499 (1), OR STAT 2210 (3)	
MINOR	(18 HOURS)
AT LEAST ONE 18 SEMESTER HOUR MINOR IS REQUIRED TO COMPLETE THIS DEGREE PROGRAM. ADDITIONAL MAJORS ARE ACCEPTABLE.	
FREE ELECTIVES	(7 HOURS)

TAKE 7 HOURS OF FREE ELECTIVE COURSES.

MY DEGREE MAP SERVES AS A GUIDE TO ASSIST YOU WITH THE PROPER SEQUENCE AND SELECTION OF COURSES. IT DOES NOT REPLACE YOUR PROGRAM EVALUATION (AVAILABLE THROUGH TROJAN WEB EXPRESS), WHICH DEPICITS THE OFFICIAL DOCUMENT USED TO CLEAR STUDENTS FOR GRADUATION. MY DEGREE MAP INCLUDES THE REQUIRED COURSE WORK AND SUGGESTED SEQUENCE OF COURSES FOR A PARTICULAR DEGREE PROGRAM. EVERY REASONABLE ATTEMPT HAS BEEN MADE TO ENSURE ACCURACY OF CONTENT. PLEASE KEEP IN MIND THAT SOME COURSES, SUCH AS DEVELOPMENTAL OR PRE-REQUISITE COURSES, ARE NOT REFLECTED IN MY DEGREE MAP. COMPLETION OF DEGREE REQUIREMENTS IS BASED ON THE SPECIFIC CATALOG YEAR UNDER WHICH YOU WERE ADMITTED TO TROY. PLEASE CONSULT THE COLLEGE CATALOG, YOUR ACADEMIC ADVISOR, YOUR SPECIFIC SCHOOL, DEPARTMENT, OR YOUR PROGRAM EVALUATION FOR ANY ADDITIONAL REQUIREMENTS.