

MY DEGREE MAP COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN CHEMISTRY MAJOR-PROGRAM YEAR 2022-23

| 1ST YEAR | | | | |
|----------------------------------|-------|-----------------------|--------------|--|
| 1ST SEMESTER | HRS | 2ND SEMESTER | HRS | |
| TROY 1101 | 1 | ENG 1102/04 | 3 | |
| ENG 1101/03 | 3 | CHM 1143/LAB | 3/1 | |
| MTH 1125 | 4 | MTH 1126 | 4 | |
| AREA II FINE ARTS COURSE | 3 | PHY 2262/LAB | 3/1 | |
| CHM 1142/LAB | 3/1 | | CARREL OF | |
| TOTAL | 15 | TOTAL | 15 | |
| 2ND YEAR | | | | |
| 3RD SEMESTER | HRS | 4TH SEMESTER | HRS | |
| 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 | |
| | | | ASSESSED FOR | |
| TOTAL | 15 | TOTAL | 13 | |
| | 3RD Y | YEAR | | |
| 5TH SEMESTER | HRS | 6TH SEMESTER | HRS | |
| 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 | |
| | 4TH \ | YEAR | | |
| 7TH SEMESTER | HRS | 8TH SEMESTER | HRS | |
| 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 | | | AN F.16 | |
| TOTAL | 14 | TOTAL | 16 | |
| TOTAL | 17 | TOTAL PROGRAM | 120 | |
| TOTAL PROGRAM 120 | | | 120 | |



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| COMPLETE ALL REQUIREMENTS | (58 HOURS) |
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| 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 AREA II OR IV, PLEASE CONSIDER THIS REQUIREMENT. | AS . |
| AREA V | |
| IS 2241 COMPUTER CONCEPTS AND APPLICATIONS TROY 1101 UNIVERSITY ORIENTATION 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 EACH MAJOR FIELD(S) OF STUDY.A MINIMUM GPA OF 20 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 SEQUENCE IN LITERATURE OR 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.



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| CHEMISTRY MAJOR | (37 HOURS) | |
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| TAKE THE FOLLOWING COURSES: 2.0 GPA REQUIRED CHM 1143/L143 GENERAL CHEMISTRY II/LAB CHM 2242/L242 ANALYTICAL CHEMISTRY/LAB CHM 3342/L342 ORGANIC CHEMISTRY I/LAB CHM 3343/L343 ORGANIC CHEMISTRY II/LAB | 3/1 HOURS 3/1 HOURS 3/1 HOURS 3/1 HOURS | |
| CHM 3381/L381 PHYSICAL CHEMISTRY I/LAB CHM 3382 PHYSICAL CHEMISTRY II CHM 4444/L444 ADVANCED INORGANIC CHEMISTRY/LAB CHM 4445/L445 INSTRUMENTAL ANALYSIS/LAB | 3/1 HOURS 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. | | |