

COLLEGE OF ARTS AND SCIENCES CYBER SECURITY PROGRAM-PROGRAM YEAR 2024-25

| | | 1ST YEAR | | | | | | |
|----------------------------------|-----|-------------------------|-----|---------------------------------------|--|--|--|--|
| 1ST SEMESTER | HRS | 2ND SEMESTER | HRS | SUMMER SEMESTER | | | | |
| TROY 1101 OR TROY 1105 | 1 | ENG 1102/04 | 3 | NOTE: SELECT | | | | |
| ENG 1101/03 | 3 | AREA III SCI/LAB COURSE | 3/1 | COURSES THAT HAVE | | | | |
| FREE ELEC (MTH 1112 DR) | 3 | AREA II HUM/FA COURSE | 3 | NOT BEEN COMPLETED FROM PREVIOUS | | | | |
| AREA IV SS COURSE (CJ 1101 DR) | 3 | FREE ELEC (MTH 1114 DR) | 3 | TERMS OR COURSES TO BE RETAKEN | | | | |
| AREA II FINE ARTS COURSE | 3 | AREA IV SS COURSE | 3 | | | | | |
| TOTAL | 13 | TOTAL | 16 | | | | | |
| | | 2ND YEAR | | | | | | |
| 3RD SEMESTER | HRS | 4TH SEMESTER | HRS | SUMMER SEMESTER | | | | |
| AREA II LIT COURSE | 3 | CS 3334 | 3 | Note: Select | | | | |
| MTH 1125 | 4 | AREA IV SS COURSE | 3 | COURSES THAT HAVE NOT BEEN COMPLETED | | | | |
| CS 2250 | 3 | MTH 2215 | 3 | FROM PREVIOUS | | | | |
| AREA IV HIS COURSE | 3 | CS 2255 | 3 | TERMS OR COURSES TO | | | | |
| AREA III SCI/LAB COURSE | 3/1 | FREE ELEC | 3 | BE RETAKEN | | | | |
| TOTAL | 17 | TOTAL | 15 | | | | | |
| 3RD YEAR | | | | | | | | |
| 5TH SEMESTER | HRS | 6TH SEMESTER | HRS | SUMMER SEMESTER | | | | |
| CJ 3380 | 3 | CJ 4472 | 3 | TAKE CS 4445 BEFORE | | | | |
| STAT 2210 | 3 | REQ MAJ COURSE | 3 | CS 4453 Take CS 4453 before | | | | |
| REQ_MAJ_COURSE | 3 | REQ MAJ COURSE | 3 | CS 4455 | | | | |
| REQ MAJ COURSE | 3 | REQ MAJ COURSE | 3 | TAKE CS 3323 BEFORE | | | | |
| AREA II HUM/FA COURSE | 3 | FREE ELEC | 3 | CS 4454, CS 4420, CS 4445, CS 4448 | | | | |
| TOTAL | 15 | TOTAL | 15 | 4440, C3 4440 | | | | |
| | | 4TH YEAR | | | | | | |
| 7TH SEMESTER | HRS | 8TH SEMESTER | HRS | SUMMER SEMESTER | | | | |
| REQ MAJ COURSE | 3 | REQ MAJ ELEC | 3 | NOTE: SELECT | | | | |
| REQ MAJ COURSE | 3 | REQ MAJ ELEC | 3 | COURSES THAT HAVE NOT BEEN COMPLETED | | | | |
| REQ MAJ COURSE | 3 | REQ MAJ ELEC | 3 | FROM PREVIOUS | | | | |
| REQ MAJ COURSE | 3 | APPROVED MAJ ELEC | 3 | TERMS OR COURSES TO | | | | |
| FREE ELEC | 3 | FREE ELEC | 2 | BE RETAKEN | | | | |
| SUBMIT GRADUATION APPLICATION | | | | | | | | |
| TOTAL | 15 | TOTAL | 14 | | | | | |
| | 120 | | | | | | | |



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| COMPLETE ALL REQUIREMENTS | (49 HOURS) |
|--|------------------------------|
| AREA I | |
| ENG 1101 COMP AND MODERN ENGLISH I ENG 1102 COMP AND MODERN ENGLISH II MINIMUM GRADE OF "C" REQUIRED | 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, NURSING, 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 | |
| MTH 1125 CALCULUS I MINIMUM GRADE OF "C" REQUIRED | 4 HOURS |
| TAKE ANY TWO 1000-2000 LEVEL SCIENCE CLASSES FROM THE FOLLOWING: BIOLOGY, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER SCIENCE AREAS. | 8 HOURS |
| AREA IV | |
| TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY. TAKE ANY THREE 1000-2000 LEVEL COURSES FROM THE FOLLOWING SOCIAL SCIENCE DISCIPLINES: ANTHROPOLOGY, BUSINESS, CRIMINAL JUSTICE, ECONOMICS, GEOGRAPHY, HISTORY, HUMAN SERVICES, LEADERSHIP, HOSPITALITY, SPORT, AND TOURISM MANAGEMENT, INTERDISCIPLINARY STUDIES, NURSING, POLITICAL SCIENCE, PSYCHOLOGY, NUTRITION, RELIGION, SOCIAL WORK, SOCIOLOGY, OR OTHER SOCIAL SCIENCE AREAS. | 3 HOURS 9 HOURS |
| NOTE: CJ 1101 IS A PREREQUISITE FOR ALL UPPER-LEVEL CJ COURSES, THEREFORE, THIS COURSE SHOULD BE TAKEN AS ONE OF THE SOCIAL SCIENCE COURSES OR FREE ELECTIVES. DR DENOTES DEPARTMENTAL RECOMMENDED COURSE. | |
| AREAV | |
| CS 2250 COMPUTER SCIENCE I Troy 1101 or troy 1105 Stat 2210 Introductory Statistics | 3 HOURS 1 HOUR 3 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 STUDYA 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 SEQUENCE IN LITERATURE OR HISTORY IS REQUIRED. PLEASE CONSIDER THIS REQUIREMENT. WHEN SELECTING COURSEWORK IN AREAS IL OR IV.



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| | SECURITA REQUIE | | COGRAM | (54 HOURS) |
|--|-----------------|------|---|------------|
| TA | KE THE F | OLLC | WING COURSES: | |
| CI | | | DIGITAL FORENSICS | 3 HOURS |
| Cj | | | | 3 HOURS |
| CS | 2255 | | | 3 HOURS |
| CS | | | | 3 HOURS |
| CS | | | CONCEPTS OF OBJECTS ORIENTED PROGRAMMING I | 3 HOURS |
| CS | 3365 | | INTRO TO COMP ORGANIZATION AND ARCHITECTURE | 3 HOURS |
| CS | 3333 | | INTRODUCTION TO CRYPTOGRAPHY | 3 HOURS |
| CS | 3334 | | FOUNDATIONS OF CYBER SECURITY | 3 HOURS |
| CS | 3336 | | INFORMATION ASSURANCE | 3 HOURS |
| CS | | | CYBER SECURITY POLICIES AND COMPLIANCE | 3 HOURS |
| CS | | | ETHICAL HACKING | 3 HOURS |
| CS | | | SECURE SOFTWARE DEVELOPMENT | 3 HOURS |
| CS | | | CYBER SECURITY TECHNIQUES AND PRACTICES | 3 HOURS |
| CS | | | INTRODUCTION TO DATABASE SYSTEMS | 3 HOURS |
| CS | | | DATA COMMUNICATION AND NETWORKING | 3 HOURS |
| CS | | | OPERATING SYSTEMS | 3 HOURS |
| M | TH 2215 | | APPLIED DISCRETE MATHEMATICS | 3 HOURS |
| SELECT ONE COURSE FROM ANY UPPER LEVEL (3000/4000 LEVEL) | | | 3 HOURS | |
| C | OMPUTER | SCIE | NCE ELECTIVE | |
| FREE ELECTIVES REQUIREMENT | | | (17 HOURS) | |
| TAKE 17 SEMESTER HOURS OF FREE ELECTIVE CREDIT. | | | 17 HOURS | |

(CJ 1101 DR; CS 3310 DR; CS 3325 DR; DR DENOTES DEPARTMENTAL RECOMMENDED COURSE. CJ 1101 IS A PREREQUISITE COURSE FOR CJ 3340, CJ 3380, AND CJ 4472. CS 3310 IS A PREREQUISITE COURSE FOR CS 3365AND CS 3325 IS A PREREQUISITE COURSE FOR CS 3336.), MTH 1112 & MTH 1114 ARE PREREQUISITES FOR MTH 1125).

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, WHICH DEPICTS 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 EGGEE 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.