

**MY DEGREE MAP
COLLEGE OF ARTS AND SCIENCES
CYBER SECURITY PROGRAM—PROGRAM YEAR 21-22**

| 1ST YEAR | | | |
|--------------------------------------|-----------|-----------------------------|------------|
| 1ST SEMESTER | HRS | 2ND SEMESTER | HRS |
| TROY 1101 | 1 | ENG 1102/04 | 3 |
| ENG 1101/03 | 3 | STAT 2210 | 3 |
| MTH 1125 | 4 | AREA II FINE ARTS COURSE | 3 |
| AREA IV SS COURSE (CJ 1101 DR) | 3 | FREE ELEC (CS 3310 DR) | 3 |
| AREA II HUM/FA COURSE | 3 | CS 2250 | 3 |
| TOTAL | 14 | TOTAL | 15 |
| 2ND YEAR | | | |
| 3RD SEMESTER | HRS | 4TH SEMESTER | HRS |
| AREA II LIT COURSE | 3 | MTH 2215 | 3 |
| CS 2255 | 3 | AREA III SCI/LAB SEQ COURSE | 3/1 |
| CS 3334 | 3 | CS 3360 | 3 |
| CS 3333 | 3 | CS 3365 | 3 |
| AREA III SCI/LAB SEQ COURSE | 3/1 | AREA IV HIS COURSE | 3 |
| TOTAL | 16 | TOTAL | 16 |
| 3RD YEAR | | | |
| 5TH SEMESTER | HRS | 6TH SEMESTER | HRS |
| CS 3323 | 3 | CS 3336 | 3 |
| FREE ELEC (CS 3325 DR) | 3 | AREA II HUM/FA COURSE | 3 |
| CJ 4472 | 3 | CJ 4473 | 3 |
| CS 4452 | 3 | CS 4453 | 3 |
| AREA IV SS COURSE | 3 | APPROVED MAJ ELEC | 3 |
| TOTAL | 15 | TOTAL | 15 |
| 4TH YEAR | | | |
| 7TH SEMESTER | HRS | 8TH SEMESTER | HRS |
| CS 4454 | 3 | AREA IV SS COURSE | 3 |
| CS 4420 | 3 | CS 4455 | 3 |
| CS 4445 | 3 | CS 4448 | 3 |
| FREE ELEC | 3 | FREE ELEC | 3 |
| FREE ELEC | 3 | FREE ELEC | 2 |
| SUBMIT GRADUATION APPLICATION | | | |
| TOTAL | 15 | TOTAL | 14 |
| TOTAL PROGRAM | | | 120 |

COMPLETE ALL REQUIREMENTS (49 HOURS)

AREA I

| | | |
|-------------------------------|----------------------------|---------|
| ENG 1101 | COMP AND MODERN ENGLISH I | 3 HOURS |
| ENG 1102 | COMP AND MODERN ENGLISH II | 3 HOURS |
| MINIMUM GRADE OF "C" REQUIRED | | |

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

| | | |
|-------------------------------|------------|---------|
| MTH 1125 | CALCULUS I | 4 HOURS |
| MINIMUM GRADE OF "C" REQUIRED | | |

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|---|---------|
| TAKE ONE SEQUENCE WITH CORRESPONDING LABS | 8 HOURS |
| CHM 1142/LAB AND CHM 1143/LAB | |
| PHY 2252/LAB AND PHY 2253/LAB | |
| PHY 2262/LAB AND PHY 2263/LAB | |

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: CJ 1101 IS A PREREQUISITE FOR ALL UPPER-LEVEL CJ COURSES, THEREFORE, THIS COURSE SHOULD BE TAKEN AS ONE OF THE SOCIAL SCIENCE ELECTIVES. DR DENOTES DEPARTMENTAL RECOMMENDED COURSE.

AREA V

| | | |
|-----------|---------------------------|---------|
| CS 2250 | COMPUTER SCIENCE I | 3 HOURS |
| TROY 1101 | THE UNIVERSITY EXPERIENCE | 1 HOUR |
| STAT 2210 | INTRODUCTORY STATISTICS | 3 HOURS |

**ELECTRONICS ENGINEERING TECHNOLOGY
2.0 GPA REQUIRED**

(54 HOURS)

TAKE THE FOLLOWING COURSES:

| | | | |
|-----|------|---|---------|
| CJ | 4472 | CYBER CRIME | 3 HOURS |
| CJ | 4473 | COMPUTER FORENSICS | 3 HOURS |
| CS | 2255 | COMPUTER SCIENCE II | 3 HOURS |
| CS | 3323 | DATA STRUCTURES | 3 HOURS |
| CS | 3360 | 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 | 4452 | CYBER SECURITY POLICIES AND COMPLIANCE | 3 HOURS |
| CS | 4453 | ETHICAL HACKING | 3 HOURS |
| CS | 4454 | SECURE SOFTWARE DEVELOPMENT | 3 HOURS |
| CS | 4455 | CYBER SECURITY TECHNIQUES AND PRACTICES | 3 HOURS |
| CS | 4420 | INTRODUCTION TO DATABASE SYSTEMS | 3 HOURS |
| CS | 4445 | DATA COMMUNICATION AND NETWORKING | 3 HOURS |
| CS | 4448 | OPERATING SYSTEMS | 3 HOURS |
| MTH | 2215 | APPLIED DISCRETE MATHEMATICS | 3 HOURS |

SELECT ONE COURSE FROM ANY UPPER LEVEL (3000/4000 LEVEL)
COMPUTER SCIENCE ELECTIVE 3 HOURS

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 4472 AND CJ 4473. CS 3310 IS A PREREQUISITE COURSE FOR CS 3365 AND CS 3325 IS A PREREQUISITE COURSE FOR CS 3336.)