TROY UNIVERSITY M MY DEGREE MAP COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN PHYSICS MAJOR-PROGRAM YEAR 2019-2020

| | | 1 ST YEAR | | | |
|------------------------------------|-----|-------------------------|-------|--|--|
| FALL SEMESTER | HRS | SPRING SEMESTER | HRS | SUMMER | |
| | | | 1110 | SEMESTER | |
| TROY 1101 | 1 | ENG 1102/04 | 3 | SELECT COURSES THAT | |
| ENG 1101/03 | 3 | PHY 2262/LAB | 3/1 | HAVE NOT BEEN COMPLETED FROM | |
| MTH 1125 | 4 | MTH 1126 | 4 | PREVIOUS 2 SEMESTERS OR | |
| FREE ELEC | 3 | AREA III SCI/LAB COURSE | 3/1 | COURSES SUCH AS PREREQUISITE | |
| | | (CHM 1142/LAB DR) | 0, 1 | COURSES OR COURSES | |
| AREA IV HIS COURSE | 3 | | | TO BE RETAKEN | |
| TOTAL | 14 | TOTAL | 15 | | |
| 2 ND YEAR | | | | | |
| FALL SEMESTER | HRS | SPRING SEMESTER | HRS | SUMMER | |
| | | | 11100 | SEMESTER | |
| PHY 2263/LAB | 3/1 | AREA IV SS COURSE | 3 | SELECT COURSES THAT | |
| REQ MAJOR ELECTIVE (PHY | 3/1 | PHY 3310/LAB | 3/1 | HAVE NOT BEEN COMPLETED FROM | |
| 3359/LAB DR) | | | | PREVIOUS 2 SEMESTERS OR | |
| REQ MAJOR ELECTIVE | 4 | AREA II LIT COURSE | 3 | COURSES SUCH AS PREREQUISITE | |
| (MTH 2227 DR) | | | U | COURSES OR COURSES | |
| CS 2250 | 3 | MINOR COURSE | 3 | TO BE RETAKEN | |
| | 0 | FREE ELEC | 3 | 65 (FEDDE) | |
| TOTAL | 15 | TOTAL | 16 | 1. 1. 1. 1. 1. 1. | |
| TOTAL | 10 | 3 RD YEAR | 10 | | |
| FALL SEMESTER | HRS | SPRING SEMESTER | HRS | SUMMER | |
| | | | 11100 | SEMESTER | |
| PHY 4420 | 3 | REQ MAJOR ELECTIVE | 3 | SELECT COURSES THAT | |
| | Ū | (PHY 4438 OR 4440 DR) | Ū | HAVE NOT BEEN COMPLETED FROM | |
| PHY 4435 | 3 | FREE ELEC | 3 | PREVIOUS 2 SEMESTERS OR | |
| AREA IV SS COURSE | 3 | MINOR COURSE | 3 | COURSES SUCH AS PREREQUISITE | |
| REQ MAJ ELECTIVE | 3 | AREA II HUM/FA COURSE | 3 | COURSES OR COURSES | |
| (MTH 3364 DR) | | | | TO BE RETAKEN | |
| MINOR COURSE | 3 | MINOR COURSE | 3 | 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1. 1 | |
| TOTAL | 15 | TOTAL | 15 | a subscript V | |
| 4 TH YEAR | | | | | |
| FALL SEMESTER | HRS | SPRING SEMESTER | HRS | SUMMER | |
| | | | | SEMESTER | |
| PHY 3325 | 3 | REQ MAJOR ELECTIVE | 3 | SELECT COURSES THAT | |
| | | (PHY 4446 DR) | | HAVE NOT BEEN COMPLETED FROM | |
| PHY 4445 | 3 | AREA II HUM/FINE ARTS | 3 | PREVIOUS 2 SEMESTERS OR | |
| AREA II FINE ARTS COURSE | 3 | MINOR COURSE | 3 | COURSES SUCH AS PREREQUISITE | |
| AREA IV SS COURSE | 3 | FREE ELEC | 3 | COURSES OR COURSES TO BE RETAKEN | |
| MINOR COURSE | 3 | FREE ELEC | 3 | TO BE RETAKEN | |
| SUBMIT YOUR GRADUATION APPLICATION | 15 | TOTAL | 15 | COLUMN TIM | |
| TOTAL | 1 | | | 120 | |
| MINIMUM HOURS REQUIRED FOR DEGREE | | | | | |



COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN PHYSICS MAJOR-PROGRAM YEAR 2019-2020

COMPLETE ALL REQUIREMENTS (50 HOURS) AREA I MINIMUM GRADE OF "C" REQUIRED ENG 1101 COMP AND MODERN ENGLISH I **3 HOURS** 1102 COMP AND MODERN ENGLISH II **3 HOURS** ENG AREA II TAKE ANY 1000-2000 LEVEL COURSE IN LITERATURE **3 HOURS** TAKE ANY 1000-2000 LEVEL COURSE WITH AN EXPANDED HISTORICAL **3 HOURS** AND CULTURAL SCOPE IN FINE ARTS, INCLUDING THE DISCIPLINES OF ART, MUSIC, THEATRE, FILM, OR OTHER FINE ARTS AREA. TAKE ANY TWO 1000-2000 LEVEL COURSES WITH AN EXPANDED 6 HOURS 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. 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 PHY 2262/L262 PHYSICS I WITH CALCULUS/LAB 3/1 HOURS TAKE ANY ONE 1000-2000 LEVEL SCIENCE CLASSES (CLASS 3/1 HOURS AND CORRESPONDING LAB BOTH REQUIRED) FROM THE FOLLOWING SCIENCE DISCIPLINES: BIOLOGY, CHEMISTRY, PHYSICS, PHYSICAL SCIENCE, OR OTHER SCIENCE AREAS. SELECT 2: BIO-1100/L100, BIO 1101/L101, BIO 2202/L202, BIO 2229/L229, CHM 1115/L115, CHM 1142/L142, CHM 1143/L143, CHM 2242/L242, PHY 2252/L252, PHY 2253/L253, PHY 2262/L262, PHY 2263/L263, SCI 2233/L233, SCI 2234/L234. (CHM 1142/LAB DR) DR DENOTES DEPARTMENTAL RECOMMENDATION. AREA IV 3 HOURS TAKE ANY 1000-2000 LEVEL COURSE WITH A PRIMARY FOCUS IN HISTORY. TAKE ANY THREE 1000-2000 LEVEL COURSES FROM THE FOLLOWING SOCIAL 9 HOURS 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. 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: UNIVERSITY ORIENTATION TROY 1101 1 HOUR CS 2250 COMPUTER SCIENCE I **3 HOURS** CALCULUS II MTH 1126 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 STUDENTA MINIMUM OF 120 HOURS IS REQUIRED FOR ALL BACCALAURETE DEGREE PROGRAMS.AT LEAST 25% OF THE CREDIT HOURS IS REQUIRED FOR ALL BACCALAURETE DEGREE MUST BE COMPLETED IN RESIDENCY WITH TROY UNIVERSITY.AT LEAST 12 SEMISTER HOURS OF RESIDENCY MUST BE COMPLETED IN RESIDENCY WITH TROY UNIVERSITY.AT LEAST 12 SEMISTER HOURS OF RESIDENCY MUST BE COMPLETED IN RESIDENCY WITH TROY UNIVERSITY.AT LEAST 12 SEMISTER HOURS OF RESIDENCY MUST BE COMPLETED IN REACH 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 COURSE WORK IN AREAS 11 OR IV.



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PHYSICS MAJOR 2.0 GPA REQUIRED

(37 HOURS)

| TAKE THE FOLLOWING COURSES:PHY2263/L263 PHYSICS II WITH CALCULUS/LABPHY3310/L310 MODERN PHYSICS/LABPHY3325THERMODYNAMICSPHY4420MECHANICSPHY4435ELECTRICITY & MAGNETISMPHY4445QUANTUM MECHANICS I | 3/1 HOURS 3/1 HOURS 3 HOURS 3 HOURS 3 HOURS 3 HOURS |
|---|--|
| MAJOR ELECTIVES: | |
| TAKE AN ADDITIONAL 17 HOURS FROM THE FOLLOWING: MTH 2227 (4), MTH 3364 (3), PHY 3320 (3), PHY 3321 (3), PHY 3359/L359 (3/1), PHY 4438 (3), PHY 4440 (3), PHY 4446 (3), PHY 4460 (3), PHY 4470 (3), PHY 4475 (3), PHY 4478 (3), PHY 4482 (3), PHY 4483 (1), PHY 4484 (1), PHY 4485 (1) PHY 4495 (3), PHY 4491 (1-4), PHY 4492 (1-4), PHY 4493 (1-4), OR PHY 4494 (1-4) | |
| MINOR REQUIREMENT | |
| AT LEAST ONE 18 SEMESTER HOUR MINOR IS REQUIRED COMPLETE THIS DEGREE PROGRAM. ADDITIONAL MAJORS ARE ALSO ACCEPTABLE. | |
| FREE ELECTIVES REQUIREMENT | |
| TAKE 15 SEMESTER HOURS OF FREE ELECTIVE CREDIT. | |

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 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 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.