TROY UNIVERSITY ™

MY DEGREE MAP
COLLEGE OF ARTS AND SCIENCES
BACHELOR OF SCIENCE IN PHYSICS AND MATHEMATICS
PROGRAM YEAR 2019-2020

1ST YEAR			
1ST SEMESTER	HOURS	2ND SEMESTER	HOURS
TROY 1101	1	ENG 1102/04	3
ENG 1101/03	3	MTH 1126	4
MTH 1125	4	AREA II FINE ARTS COURSE	3
AREA IV SS COURSE	3	STAT 2210	3
AREA II HUM/FA COURSE	3	CS 2250	3
TOTAL	14	TOTAL	16
2ND YEAR			
3RD SEMESTER	HOURS	4TH SEMESTER	HOURS
AREA II LIT COURSE	3	PHY 2263/L263	3/1
MTH 2227	4	AREA IV HIS COURSE	3
MTH 3318	3	MTH 3311	3
AREA IV SS COURSE	3	MTH 3331	3
PHY 2262/L262	3/1	AREA III SCI/LAB COURSE	3/1
TOTAL	17	TOTAL	17
3RD YEAR			
5TH SEMESTER	HOURS	6TH SEMESTER	HOURS
PHY 3310/L310	3/1	PHY 3325	3
PHY 4420	3	AREA II HUM/FA COURSE	3
MTH 4424	3	PHY 4435	3
REQ PHYSICS ELEC	3	STAT 3350 OR MTH 4425	3
MTH 4441	3	STAT 4451 OR REQ MTH/STAT ELEC	3
TOTAL	16	TOTAL	15
4TH YEAR			
7TH SEMESTER	HOURS	8TH SEMESTER	HOURS
PHY 4445	3	AREA IV SS COURSE	3
REQ PHYSICS ELEC	3	REQ PHYSICS ELEC	3
REQ PHYSICS ELEC	3	REQ PHYSICS ELEC	3
REQ MTH/STAT ELEC	3	REQ PHYSICS ELEC	2
REQ MTH/STAT ELEC	3	REQ MTH/STAT ELEC	3
SUBMIT GRADUATION APPLICATION			
TOTAL	15	TOTAL	14
		TOTAL HOURS	124

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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

PHY	2262/LAB	PHYSICS I W/ CALCULUS AND LAB	3/1 HOURS

TAKE ANY ONE 1000-2000 LEVEL SCIENCE CLASSES (CLASS 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, SCI 2233/L233, SCI 2234/L234. — 3/1 HOURS

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

AREA V

CS	2250	COMPUTER SCIENCE I	3 HOURS
TROY	1101	UNIVERSITY ORIENTATION	1 HOUR
STAT	2210	INTRODUCTORY STATISTICS	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 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 sequence in literature or history is required. please consider this requirement. When selecting coursework in AREAS II or IV.

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PHYSICS MAJOR **(37 HOURS)**
2.0 GPA REQUIRED

TAKE THE FOLLOWING COURSES:

PHY	2263/L263	PHYSICS II WITH CALCULUS/LAB	3/1 HOURS
PHY	3310/L310	MODERN PHYSICS/LAB	3/1 HOURS
PHY	3325	THERMODYNAMICS	3 HOURS
PHY	4420	MECHANICS	3 HOURS
PHY	4435	ELECTRICITY & MAGNETISM	3 HOURS
PHY	4445	QUANTUM MECHANICS I	3 HOURS

PHYSICS MAJOR ELECTIVES

TAKE AN ADDITIONAL 17 HOURS FROM THE FOLLOWING: 17 HOURS
PHY 3320 (3), PHY 3321 (3), PHY 3359/L359 (3/1),
PHY 4438 (3), PHY 4440 (3), PHY 4446 (3), PHY 4460 (3),
PHY 4475 (3), PHY 4478 (3), PHY 4482 (3), PHY 4483 (1), PHY 4484 (1),
PHY 4485 (1), PHY 4495 (3), PHY 4491 (3), PHY 4492 (3), PHY 4493 (3),
PHY 4494 (3), MTH 3364 (3)

MATHEMATICS MAJOR **(38 HOURS)**

TAKE THE FOLLOWING COURSES:

MTH	1126	CALCULUS II	4 HOURS
MTH	2227	CALCULUS III	4 HOURS
MTH	3311	DIFFERENTIAL EQUATIONS	3 HOURS
MTH	3318	INTRO TO ADVANCED MATHEMATICS	3 HOURS
MTH	3331	LINEAR ALGEBRA	3 HOURS
MTH	4424	REAL ANALYSIS I	3 HOURS
MTH	4441	ABSTRACT ALGEBRA I	3 HOURS

OPTION 1:

STAT	3350	STATISTICAL METHODS & COMPUTATIONS	3 HOURS
STAT	4451	MATH STATS I	3 HOURS

TAKE 9 ADDITIONAL HOURS OF UPPER-LEVEL (3000 OR 4000) MATHEMATICS OR STATISTICS COURSES. (EXCLUDING MTH 4481) 9 HOURS

OPTION 2:

MTH	4425	REAL ANALYSIS II	3 HOURS

TAKE 12 ADDITIONAL HOURS OF UPPER-LEVEL (3000 OR 4000) MATHEMATICS OR STATISTICS COURSES. (EXCLUDING MTH 4481) 12 HOURS

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.