

1 <sup>ST</sup> YEAR			
1 <sup>ST</sup> SEMESTER	HOURS	2 <sup>ND</sup> SEMESTER	HOURS
TROY 1101	1	ENG 1102/04	3
ENG 1101/03	3	MTH 1126	4
MTH 1125	4	PHY 2262/L262	3/1
AREA IV SS COURSE	3	STAT 2210	3
AREA III SCI/LAB COURSE	3/1	AREA IV SS COURSE	3
TOTAL	15	TOTAL	17
2 <sup>ND</sup> YEAR			
3 <sup>RD</sup> SEMESTER	HOURS	4 <sup>TH</sup> SEMESTER	HOURS
PHY MAJ ELEC (DR PHY 3359/L359)	3/1	PHY 3310/L310	3/1
MTH 2227	4	AREA IV HIS COURSE	3
MTH 3331	3	MTH 3311	3
PHY 2263/L263	3/1	MTH 3318	3
		CS 2250 OR MTH 2220	3
TOTAL	15	TOTAL	16
3 <sup>RD</sup> YEAR			
5 <sup>TH</sup> SEMESTER	HOURS	6 <sup>TH</sup> SEMESTER	HOURS
AREA II LIT COURSE	3	AREA IV SS COURSE	3
PHY 3325	3	AREA II HUM/FA COURSE	3
MTH 4424	3	REQ PHY ELEC (DR PHY 4446)*	3
PHY 4445	3	REQ MTH/STAT ELEC	3
MTH 4441	3	STAT 4451 OR REQ MTH 4425 OR MTH 4442	3
TOTAL	15	TOTAL	15
4 <sup>TH</sup> YEAR			
7 <sup>TH</sup> SEMESTER	HOURS	8 <sup>TH</sup> SEMESTER	HOURS
PHY 4420	3	AREA II HUM/FA COURSE	3
PHY 4435	3	AREA II FINE ARTS COURSE	3
REQ PHY ELEC (DR PHY 3320)	3	REQ PHY ELEC (DR PHY 3321)	3
STAT 3350	3	REQ PHY ELEC (DR PHY 4438 or 4440) *	3
REQ MTH/STAT ELEC	3	REQ MTH/STAT ELEC (DR STAT 4467)	3
SUBMIT GRADUATION APPLICATION		REQ PHY ELEC	1
TOTAL	15	TOTAL	16
TOTAL HOURS			124

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 ENGLUD 6 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,

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 126	CALCULUS II	4 HOURS
MTH 2227	CALCULUS III	4 HOURS
MTH 3311	DIFFERENTIAL EQUATIONS	3 HOURS
MTH 3318	INTRODUCTION TO ADVANCED MATHEMATICS	3 HOURS
MTH 3331	LINEAR ALGEBRA	3 HOURS
MTH 3350	STATISTICAL METHODS & COMPUTATIONS	3 HOURS
MTH 4424	REAL ANALYSIS I	3 HOURS
MTH 4441	ABSTRACT ALGEBRA I	3 HOURS

OPTION 1:

MTH 4425	REAL ANALYSIS II	3 HOURS
MTH 4442	ABSTRACT ALGEBRA	3 HOURS
STAT 4451	MATHEMATICAL STATISTICS I	3 HOURS

TAKE 3 ADDITIONAL HOURS OF UPPER-LEVEL (3000 OR 4000) MATHEMATICS OR STATISTICS COURSES. (EXCLUDING MTH 4481) 3 HOURS

OPTION 2:

STAT 4451	MATHEMATICAL STATISTICS I	3 HOURS
STAT 4452	MATHEMATICAL STATISTICS II	3 HOURS

TAKE 6 ADDITIONAL HOURS OF UPPER-LEVEL (3000 OR 4000) STATISTICS COURSES. 6 HOURS  
STAT 3355, STAT 4459, STAT 4465, STAT 4466, STAT 4467, STAT 4456, OR STAT 4464.

DR DENOTES DEPARTMENTAL RECOMMENDED COURSE.

MOST 3000- AND 4000-LEVEL COURSES IN PHYSICS ARE OFFERED ONCE EVERY OTHER YEAR, BUT THE SCHEDULE MAY CHANGE ACCORDING TO DEMAND. CONSULT A PHYSICS ADVISOR FOR PLANNED COURSE OFFERINGS.

\*UNDER THIS SCHEDULE, DURING THE 8TH SEMESTER (SPRING 4TH YEAR), A STUDENT MAY CHOOSE TO TAKE BOTH PHY 4438 AND PHY 4440, THEREBY REPLACING ONE REQUIRED MAJOR ELECTIVE DURING THE 6TH SEMESTER (SPRING 3RD YEAR) OR 7TH SEMESTER (FALL 4TH YEAR)