



MY DEGREE MAP
 COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN
 PHYSICS MAJOR – PROGRAM YEAR 2015-16

1 ST YEAR				
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER
TROY 1101	1	ENG 1102/04	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS 2 SEMESTERS OR COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN
ENG 1101/03	3	PHY 2262/LAB	3/1	
MTH 1125	4	MTH 1126	4	
AREA III SCI/LAB COURSE	3/1	AREA II LIT COURSE	3	
AREA IV SS COURSE	3			
TOTAL	15	TOTAL	14	
2 ND YEAR				
FALL SEMESTER	HRS	SPRING SEMESTER	HRS	SUMMER SEMESTER
PHY 2263/LAB	3/1	AREA IV SS COURSE	3	SELECT COURSES THAT HAVE NOT BEEN COMPLETED FROM PREVIOUS 2 SEMESTERS OR COURSES SUCH AS PREREQUISITE COURSES OR COURSES TO BE RETAKEN

HAVE

Complete all 6 sub-requirements

(54 hours)

A. AREA I:

Take the following courses:
Minimum Grade of "C" required

COLLEGE OF ARTS AND SCIENCES APPROVED ACADEMIC PLAN PHYSICS MAJOR – PROGRAM YEAR 2015-16

PHYSICS MAJOR

(37 hours)

Minimum 2.0 overall GPA Required

Take the following courses:

MTH 2227 Calculus Iii

4 hours

MTH 3364 Vector Calculus

3 hours

PHY 2263/L263 Physics Ii With Calculus/Lab

4 hours

PHY 3310/L310 Modern Physics/Lab

4 hours

PHY 3325 Thermodynamics

3 hours

PHY 4420 Mechanics

3 hours

PHY 4435 Electricity & Magnetism

3 hours

PHY 4445 Quantum Mechanics I

3 hours

MAJOR ELECTIVES

(10 hours)

Take An Additional 10 hours From The Following Courses:

PHY 3320 Mathematical Methods For Physics

3 hours

PHY 3321 Equations Of Mathematical Physics

3 hours

PHY 3359/1359 Optics w/Lab

4 hours

PHY 4435 Electricity and Magnetism

3 hours

PHY 4440 Dynamics Of Particles & Systems

3 hours

PHY 4446 Quantum Mechanics II

3 hours

PHY 4460 Special Relativity

3 hours

PHY 4470 Nuclear Physics

3 hours

PHY 4475 Particle Physics

3 hours

PHY 4478 Introduction To General Relativity

3 hours

PHY 4480 Introduction To Black Holes & cosmology

3 hours

PHY 4482 String Theory

3 hours

PHY 4495 Topics In Physics

3 hours

PHY 4491 Guided Independent Research

3 hours

PHY 4492 Guided Independent Research

3 hours

PHY 4493 Guided Independent Study

3 hours

PHY 4494 Guided Independent Study

3 hours

MINOR

(18 hours)

At Least One 18 Semester Hour Minor Is Required Complete This Degree Program.
Additional Majors Are Also Acceptable.

FREE ELECTIVES REQUIREMENT

(11 hours)

Take 2 semester hours of free elective credit.

11 Hours