

Physics Major –Option I: Professional Physics

FIRST YEAR COURSE SCHEDULE									
✓	Fall Semester	Code	Credits			Spring Semester	Code	Credits	
	CHEM 111/111L Principles of Chemistry I & Lab	R	4			CHEM 112/112L Principles of Chemistry II & Lab	R	4	
	COMS 108 Fundamentals of Speech	G	3			ENG 200 Writing II	G	3	
	ENG 100 Writing I	G	3			MATH 275 Calculus II	R	4	
	MATH 175 Calculus I	G	4			Humanities I	G	3	
	FYS 101 First Year Seminar	G	3			PHYS 270 Introduction to Scientific Computing	R	3	
Total Credit Hours			17			Total Credit Hours			17

SECOND YEAR COURSE SCHEDULE									
✓	Fall Semester	Code	Credits			Spring Semester	Code	Credits	
	MATH 276 Calculus III	R	4			MATH 363	R/U	3	
	PHYS 231/231A Physics Engineering I	R	5			PHYS 232/232A Physics Engineering II	R	5	
	Social & Behavioral I	G	3			Minor course	R	3	
	Minor course	R	3			Natural Science I	G	3	
Total Credit Hours			15			Total Credit Hours			14

THIRD YEAR COURSE SCHEDULE									
✓	Fall Semester	Code	Credits			Spring Semester	Code	Credits	
	PHYS 353 Concepts of Modern Physics I	R/U	4			2 Minor courses	R	6	
	PHYS 340 Experimental Physics	R/U	3			PHYS 332 Electricity & Magnetism	R/U	4	
	PHYS 361 Fundamentals of Electronics	R/U	3			PHYS 354 Concepts of Modern Physics II	R/U	3	
	Humanities II	G	3			Natural Sciences II	G	3	
	Social & Behavioral II	G	3						
Total Credit Hours			16			Total Credit Hours			16

FOURTH YEAR COURSE SCHEDULE									
✓	Fall Semester	Code	Credits			Spring Semester	Code	Credits	
	PHYS 391 Dynamics	R/U	3			1 Minor course	R	3	
	PHYS 493 Quantum Mechanics	R/U	3			PHYS 499D Senior Thesis II	G/U	1	
	PHYS 499C Senior Thesis I	G/U	2			Elective courses	U	6	
	Minor course	R/U	4			Minor course	R/U	3	
Total Credit Hours			12			Total Credit Hours			13

Codes

- (U) Upper Division Course 300-400 level (you must have 42 hours)
- (R) Required Course
- (G) General Education Course