

### Physics Major –Option II: Applied 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 Differential Equations	R/U	3
	PHYS 231/231A Engineering Physics I	R	5		PHYS 232/232A Engineering Physics II	R	5
	Social and Behavioral I	G	3		PHIL 400 Philosophy of Science	R/U	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 Modern Physics I	R/U	4		Minor courses	R	6
	PHYS 340 Experimental Physics	R/U	3		PHYS 411 Thermodynamics	R/U	3
	PHYS 361 Fundamentals of Electronics	R/U	3		PHYS 354 Modern Physics II	R/U	3
	Humanities II	G	3		Natural Science II	G	3
	Social & Behavioral II	G	3				
Total Credit Hours			16	Total Credit Hours			15

FOURTH YEAR COURSE SCHEDULE							
✓	Fall Semester	Code	Credits	✓	Spring Semester	Code	Credits
	PHYS 499C Senior Thesis I	G/U	2		PHYS 350 Nuclear Science	R/U	3
	Minor courses	R/U	6		PHYS 499D Senior Thesis II	G/U	1
	Electives	*/U	5		Elective	*/U	3
					Minor courses	R/U	6
Total Credit Hours			13	Total Credit Hours			13

Codes

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