

**Physics – Area of Concentration  
Track 3: Engineering Physics (Electrical)**

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	
	COMM 108 Oral Communication	G	3		MATH 275 Calculus II	R	4	
	ENG 100 Writing I	G	3		SBS I	G	3	
	MATH 175 Calculus I	G	4		PHYS 270 Introduction to Scientific Computing	R	3	
	FYS 101 First Year Seminar	G	3		HUM I	G	3	
			<b>Total Credit Hours</b>				<b>Total Credit Hours</b>	17

SECOND YEAR COURSE SCHEDULE								
☑	Fall Semester	Code	Credits	☑	Spring Semester	Code	Credits	
	MATH 276 Calculus III	R	4		NCS I	G	3	
	PHYS 231/231A Engineering Physics I & Lab	R	5		PHYS 232/232A Engineering Physics II & Lab	R	5	
	ITEC 241 AC Circuits	R	3		NCS I	G	3	
	ENG 200 Writing II	G	3		ITEC 342 Electronic Devices and Circuits	R/U	3	
			<b>Total Credit Hours</b>				<b>Total Credit Hours</b>	14

THIRD YEAR COURSE SCHEDULE								
☑	Fall Semester	Code	Credits	☑	Spring Semester	Code	Credits	
	PHYS 353 Concepts of Modern Physics I	R/U	4		MATH 363 Differential Equations	R/U	3	
	PHYS 340 Experimental Physics	R/U	3		PHYS 332 Magnetism and Electricity	R/U	4	
	PHYS 381 Computer Solutions	R/U	3		PHYS 354 Concepts of Modern Physics II	R/U	3	
	HUM II	G	3		PHYS 411 Thermodynamics	R/U	3	
	SBS II	G	3		NCS II	G	3	
			<b>Total Credit Hours</b>				<b>Total Credit Hours</b>	16

FOURTH YEAR COURSE SCHEDULE								
☑	Fall Semester	Code	Credits	☑	Spring Semester	Code	Credits	
	PHYS 361 Fundamentals of Electronics	R/U	3		PHYS 499D Senior Thesis II	G/U	1	
	PHYS 481 Mathematics for Scientists & Engineers	R/U	3		Major Electives	R/U	6	
	PHYS 499C Senior Thesis I	G/U	2		Elective	*/U	5	
	Elective	*/U	6					
			<b>Total Credit Hours</b>				<b>Total Credit Hours</b>	12

Codes

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