

5-year Physics EE/CE Engineering Degree at Loyola University

First Year		First Year		Second Year		Second Year	
First Semester	cr.	Second Semester	cr.	First Semester	cr.	Second Semester	cr.
MA 251 Calculus I	4	MA 252 Calculus II	4	MA 351 Calculus III	4	MA 304 Ord. Differential Equations	3
EG 140 Programming/CS 151 Python	3	PH 202 General Physics II	4	EG 031 Linear Circuit Analysis Lab	1	EG 032 Electronics Lab	1
PH 201 General Physics I	4	PH 292 Gen. Physics Lab II	1	EG 331 Linear Circuit Analysis	3	EG 071 Digital Logic Lab	1
PH 291 Gen. Physics Lab I	1	TH 201 Intro to Theology	3	EG 301 Statics	3	EG 333 Signals & Systems	3
WR 100 Effective Writing	3	PL 201- Foundations of Philosophy	3	PH 312 Modern Physics	3	EG 432 Electronics	3
Language Core	3	HS 100-Level Core Course	3	PH 307 Math Methods in Physics	3	EG 471 Digital Logic	3
				PH 293 Intermediate Lab I	1	PH 316 Classical Mech	3
Total cr.	18		18		18		17
Third Year		Third Year		Fourth Year		Fourth Year	
First Semester	cr.	Second Semester	cr.	First Semester	cr.	Second Semester	cr.
EG 390 Experimental Methods	2	EG 441 Engineering Systems Analysis	3	Electrical Engineering Concentration	3	Engineering Elective	3
EG 360 Obj.-Oriented Engineering Des	3	Electrical Engineering Concentration	3	CH 101 Intro Chem	3	Electrical Engineering Concentration	3
EG 381 Probability & Statistics	3	PH 294 Intermediate Lab II	1	CH 105 Intro Chem Laboratory	1	Elective	3
Electrical Engineering Concentration	3	PH 317 Thermal / EG 380 Thermodyna	3	PH 417 EM/EG 487 EM	3	EN 2xx English Core/HS 3xx History Core	3
PH/EG elective	3	PL 2xx Core/Th 2xx Core	3	EN 101 Understanding Literature	3	PH 398 Experimental Methods II (LabView	2
PH 415 Quantum Mechanics I	3	Elective	3	Elective	3		
	17		16		16		14
Fifth Year		Fifth Year					
First Semester	cr.	Second Semester	cr.				
EG 497 Engineering Design Project I	3	EG 498 Engineering Design Project II	3				
PH/EG 491 I&E	3	Elective	3				
Fine Arts Core	3	Ethics Core	3				
Social Science Core	3	Social Science Core	3				
	12		12				
				Total Credit Count =	158		