5-year Physics EE Engineering Degree at Loyola University Maryland

First Year First Semester	cr.	First Year Second Semester	cr.
MA 251 Calculus I	4	MA 252 Calculus II	4
EG 140 Programming/CS 151 Python	3	PH 202 General Physics II	4
PH 201 General Physics I	4	PH 292 Gen. Physics Lab II	1
PH 291 Gen. Physics Lab I	1	Language Core	3
WR 100 Effective Writing	3	PL 201- Foundations of Philosophy	3
		HS 100-Level Core Course	3
Total cr.	15		18

Second Year First Semester	cr.	Second Year Second Semester	cr.
MA 351 Calculus III	4	MA 304 Ord. Differential Equations	3
EG 031 Linear Circuit Analysis Lab	1	PH 294 Intermediate Lab II	1
EG 331 Linear Circuit Analysis	3	EG 071 Digital Logic Lab	1
		EG 471 Digital Logic	3
PH 312 Modern Physics	3	EG 333 Signals & Systems	3
PH 307 Math Methods in Physics	3	EN 101 The Art of Reading	3
PH 293 Intermediate Lab I	1	PH 316 Classical Mech	3
	15		17

Third Year First Semester	cr.	Third Year Second Semester	cr.
EG 360 Obj.-Oriented Engineering Desig	3		
PH 417 EM/EG 487 EM (EE conc 1)	3	PH 398 Experimental Methods II (LabVie	2
EG 032 Electronics Lab	2	PH 317 Thermal	3
EG 432 Electronics	3	PL 2xx Core/Th 2xx Core	3
PH 415 Quantum Mechanics I	3	Social Science Core 1	3
TH 201 Intro to Theology	3	EN 2xx English Core/HS 3xx History Core	3
	17		14

Fourth Year First Semester	cr.	Fourth Year Second Semester	cr.
EG 390 Experimental Methods	3	ECE Concentration 3	3
EG 381 Probability & Statistics	3	ECE Concentration 4	3
EG397 Jr design	3	EG 441 Engineering Systems Analysis	3
Social Science Core 2	3	Ethics core	3
Fine Arts	3	Free elective 4	3
	15		15

Fifth Year First Semester	cr.	Fifth Year Second Semester	cr.
EG 497 Engineering Design Project I	3	EG 498 Engineering Design Project II	3
ECE Concentration 2	3	EG 2xx elective (200 level or above)	3
Free elective 2	3	Free elective 3	3
Free elective 5	3	Free elective 1	3
	12		12

Total Credit Count = 150