NAME:

B.S. PHYSICS PRE-ENGINEERING - PHYE (CIP: 40.0801)

DATE:

English Composition Placement is:	Math Placement is:	MAJOR	33 Crs	ADJUNCT2	20 Crs	NOTES:
ACT ENGL score 21 or above	ACT – 25 or above, SAT – 620 or above, or AP Calculus exam - 3	Intro to Physics and Engineering		Into Linear Algebra		
SAT Verbal score 500 or above	Register for Math A257	A120	_1	Math-A200	3	Loyola Core requirements are
Register for ENGL-T122	ACT 19-24, SAT 500-610, SAT 500-610 or AP Statistics exam – 4 or above					governed by the catalog year that a student is admitted.
ACT ENGL score 20 or below	Register for Math A118	Intro Mechanics		Calculus II		
SAT Verbal score 499 or below	Otherwise	A101	_4	Math-A258	4	Courses used in the major
Register for ENGL-A100	*Register for Math A110 & A111					cannot also be used to satisfy
		Mechanics Lab		Calculus III		requirements for a minor: Non- major courses WILL be applied
LOYOLA CORE - 41 Credits		A103	_1	Math-A259	.3	to minors as appropriate.
FOUNDATION COURSES	Crs/Grade	EM & Relativity		Intro Differential Equations		GPA: Must achieve 2.0 in
		A102	4		3	Major, Minor (if declared), and
First-Year Seminar T121	3		_ ·	174411 713 10	· ——	Loyola cumulative.
First-Year Seminar T1213 Engl T122: Critical Reading and Writing3		EM Lab		**Adv. Math or Comp. Sci. course	e	
Math A257: Calculus I 4				approved by advisor	•	**For students transferring to
Math A257: Calculus I 4 Scie I: Chem A105/A107 Chemistry I Lec/Lab3+1_4						UNO, EE students take COSC
Sele I. Chem71103/11107 Chemistry	14	Intro Waves and Quant.			3	A211 Intro to Programming I;
KNOWLEDGE/VALUES COURSES		A240	4			ME students take MATH A350
		11210	_ ·			Diff. Equations; CE students take MATH A260 Statistical
Creative Arts and Cultures 3 SIII SIII SIII SIII SIII SIII SIII S		Intro Thermal Physics		Choose: Chem-A106/108 or Biol-		Inference for Scientists
Hist II 3		A241	3	A106/107		
	3			3	3	
		Classical Mechanics			1	Use your Academic Progress
Rels I: Christian Tradition3		A340	4			Report (LORA > Student
Rels II: World Religions3						Records Menu > Academic
Social Science	3	Electricity and Magnetism				Progress Report) to keep this
		A350	4			document updated.
Writing About Literature	3					1
	27	Adv. Laboratory Physics				
		A445	3			1
*Students interested in engineering may acquire their pre-engineering training at Loyola and then transfer to a school of engineering to complete their studies. If the student successfully completes the courses listed on this page (i.e., 2.0 GPA in major courses and 2.0 GPA cumulative) and then transfers to a school of engineering and successfully completes the engineering degree there, Loyola will, upon official certification of student's engineering degree, award the		Quantum Mechanics				
		A450	_4			
B.S.Physics degree.						
						Loyola Core41 crs
*For information about this program, see the Chair of the Department of Physics.						Major33 crs
						Adjunct20 crs
						*
						Total94 crs