

**PHYSICS – B.S. – 2009-10**

**(To the student: Please make sure you are using the correct check sheet based on your enrollment year. Official check sheets should be secured only from the Registration Office. YOU are responsible for making sure you are on the correct check sheet, in sync with Registration, and completing all program requirements accurately and on time.)**

Min Total Hours Required: 124  
 Total Lib Arts Hrs Req'd: 60  
 Min overall GPA for mjr accept & grad: 2.0  
 Other: Min major GPA of 2.0  
 Other: No grade less than C- in major

Residence Requirements:  
 31 Hrs at RWC: \_\_\_\_\_  
 15 Hrs in Major at RWC: \_\_\_\_\_  
 Of last 31 Hrs, 24 at RWC: \_\_\_\_\_

Student Name: \_\_\_\_\_  
 Transfer: \_\_\_\_\_  
 Advisor: \_\_\_\_\_  
 Accepted to Major on: \_\_\_\_\_  
 Degree Appl Submitted on: \_\_\_\_\_

General Education Requirements		SHr	Grd
Pick two from the following*:			
ART 101	Intro to Visual Arts (or a Non-Liberal Arts studio art course)	2, 3	
MUS 104	Intro to Music	2	
FNA 102	Intro to Dance	2	
	Behavioral Science	3	
	Foreign Language♦	(3)	
	Foreign Language♦	(3)	
	Foreign Language♦	(3)	
	Hist, Eco, Soc Sci Elect	3	
N/A	Lab Science	N/A	N/A
BIB 101	Old Tstmnt Lit & Theol**	3	
BIB 102	NEW TSTMNT LIT & THEOL	3	
CMC 101	Principles of Speech**	2	
CMP 101	Principles of Writing*≈	3	Min C-
CMP 102	WRITING & RESEARCH*€	3	
GED 100	First-Year Seminar**	2	
GED 401	Senior Seminar**	2	
HST 102/103	Western Civ I or II**	3	
LIT 101	Intro to Literature	3	
N/A	Mathematics♦	N/A	N/A
PED 100	Fitness for Life	1	
PED	Physical Ed Skills♣	1	
PHL 202	Phil & Ethical Issues**	3	

Major Requirements: 52 Hrs (min 30 hrs PHY)		SHr	Grd
CSC 140	COMPUTER SCIENCE I	4	
MTH 281	CALCULUS I	4	
MTH 282	CALCULUS II	4	
MTH 283	CALCULUS III	4	
PHY 201	PHYSICS FOR ENGNRS/SCIENTISTS I	4	
PHY 202	PHYSICS FOR ENGNRS/SCIENTISTS II	4	
PHY 203	PHYSICS FOR ENGNRS/SCIENTISTS III	4	
Four upper-division PHY courses (12 Hours): (One of the following may be replaced with a different advanced Physics course if approved via a Course Substitution form.)			
PHY 301	CLASSICAL MECHANICS	3	
PHY 302	ELECTRICITY AND MAGNETISM	3	
PHY 401	QUANTUM PHYSICS	3	
CR PHY	THERMODYNAMICS	3	
Physics electives from the following (6 Hours): ~ recommended for pre-engineering students only = encouraged for non-engineering majors			
PHY 210~	STATICS	3	
PHY 211~	ELECTRIC CIRCUITS	3	
PHY 303	OPTICS	4	
PHY 403	NUCLEAR & PARTICLE PHYSICS	3	
CR PHY=	APPROVED PHYSICS COURSE		
Science/Math elective from the following (3 Hours): ^ the addition of these two courses (or others with at least one at the 300-/400-level) will result in a minor in mathematics			
MTH 301^	DIFFERENTIAL EQUATIONS	3	
MTH 302^	LINEAR ALGEBRA	3	
MTH 404	MATHEMATICAL MODELING	3	
CR PHY	APPROVED PHYSICS COURSE		
Career Emphasis elective from the following (3 Hours): (A second course in the selected emphasis is recommended.)			
AST 201	Descriptive Astronomy	3	
BIO 101	GEN BIOLOGY I WITH LAB	4	
BUA 101	Introduction to Business	3	
CHM 111	PRIN OF CHEMISTRY I W/ LAB	4	
CSC 141	COMPUTER SCIENCE II	4	
MGT 201	Principles of Management	3	

\*Honors students may elect to take FNA 101H instead of ART/MUS/FNA;  
 \*Honors students may elect to take CMP 103H instead of CMP 101 & 102; however those not also transferring in a writing course must take an add'l 3-hr Lib Arts elctv  
 \*\*Honors version of course available for Honors Students  
 ≈Completion within the first two semesters is expected  
 €Completion within the first two years is recommended  
 ♣No more than 2 hrs may be counted toward degree  
 ♦Or proficiency as outlined in the College catalog

If Transfer student, total # transfer hours: \_\_\_\_\_

Students enrolled in a **3+2 Engineering Program** complete the Physics B.S. (or Math B.S.) degree by transferring sufficient and proper credits from their chosen institution to fulfill degree requirements. Engineering students must consult with the Engineering Advisor – Dr. Candice Bacon in the Math-Science Division.

Date	Total Hours	Total LA Hours	Date	Total Hours	Total LA Hours

Other Elective Credits to Reach 124 Hours	SHr	Grd

Liberal Arts courses: ART-appreciation/history, ASL, AST, BCH, BIB, BIO, CHM, CMC, CMP, CSC-selected, ECN, ESC, ESL, FNA, FRN, GED, GEO, GRK, GRN, HEB, HST, HUM, LIT, MTH, MUS-aural/history/literature/theory, PHL, PHS, PHY, PSC, PSY, REL, RST, SOC, SPN, THE, THR-history, WST  
 Cannot count as Liberal Arts: ACC, ART-studio/practicum, BUA (incl Bus Math/Bus Comm), CRJ, CSC-applctn/prog lang/practicum, EDU, INT, MGT, MKT, MIN, MUS-applied/mthds/pedagogy/prfrmnc/practicum, NSC, NSG, PED, PPE, SWK, THR-methods