

**PHYSICS B.S. DEGREE / PRE-ENGINEERING (PITT) TRACK CHECK SHEET \*under submission for Fall 2011\***

	Date Taken	Grade Rec'd		Date Taken	Grade Rec'd
<b>Learning Skills ( 11 cr)</b>			<b>Mathematics (15 cr)</b>		
ENGL 101 College Writing (4)	_____	_____	MATH 225 Calculus III – Physics (3)	_____	_____
ENGL 202 Research Writing (Soph)	_____	_____	MATH 241 Differential Equations (3)	_____	_____
MATH 125 Calculus I - Physics	_____	_____	MATH 342 Adv. Math for Applications (3)	_____	_____
<b>Humanities (9 cr)</b>			COSC 110 Problem Sol & Struct Prog (3)	_____	_____
HIST 195 Hist: The Modern Era (3)	_____	_____	COSC 250 Intro to Numerical Methods (3)	_____	_____
ENGL 121 or FNLG 121 Intro to Lit (3)	_____	_____	<b>Required Physics Courses (13 cr)</b>		
Philosophy or Religious Studies	_____	_____	PHYS 231 Electronics (4)	_____	_____
_____	_____	_____	PHYS 331 Modern Physics (3)	_____	_____
<b>Fine Arts (3 cr)</b>			PHYS 345 Optics (3)	_____	_____
ARHI 101 Intro to Art <b>or</b>			PHYS 441 Classical Mechanics (3)	_____	_____
MUHI 101 Intro to Music <b>or</b>			<b>Additional Required Physics Courses – Choose 2</b>		
THTR 101 Intro to Theater <b>or</b>			PHYS 342 Thermal & Statistical Physics (3)	_____	_____
THTR 102 Intro to Dance	_____	_____	PHYS 350 Int. Exp. Physics I (3)	_____	_____
<b>Natural Science (8 cr)</b>			PHYS 355 Computer Interfacing (3)	_____	_____
PHYS 131 Physics I – Calculus (3)	_____	_____	PHYS 401 Theoretical Physics (3)	_____	_____
PHYS 132 Physics II – Calculus (3)	_____	_____	PHYS 451 Electricity & Magnetism (3)	_____	_____
PHYS 141 Physics I Calculus Lab (1)	_____	_____	PHYS 461 Quantum Mechanics I (3)	_____	_____
PHYS 142 Physics II Calculus Lab (1)	_____	_____	<i>Choose (1) of the following</i>		
<b>*Social Sciences (9 cr)</b>			PHYS 472 Nuclear Physics (3) <b>or</b>	_____	_____
No two courses may have the same prefix			PHYS 490 Solid State Physics (3)	_____	_____
_____	_____	_____	<b>Controlled Electives: As required per engineering program</b>		
_____	_____	_____	<b>Chemical Engineering</b>		
_____	_____	_____	CHEM 231 Organic Chemistry I (4)	_____	_____
<b>Health &amp; Wellness (3-4 cr)</b>			CHEM 232 Organic Chemistry II (4)	_____	_____
HPED 143 Health & Wellness (3) <b>or</b>			<b>Civil Engineering</b>		
FDNT 143 Nutrition & Wellness (3) <b>or</b>			MATH 216 Prob & Stats for Nat. Sci (3)	_____	_____
MLSC 101 World Military Hist. (2) <b>and</b>			Technical Elective (3-4)	_____	_____
MLSC 102 American Military Hist. (2)	_____	_____	<b>Electrical Engineering</b>		
<b>Liberal Studies Electives (4 cr)</b>			MATH 216 Prob & Stats for Nat. Sci (3)	_____	_____
MATH 126 Calculus II – Physics (4)	_____	_____	Technical Elective (3-4)	_____	_____
<b>Foreign Language (0-6 cr)</b>			<b>Industrial Engineering</b>		
FRNC 201 & 202 (College French I&II) <b>or</b>			MATH 216 Prob & Stats for Nat. Sci (3)	_____	_____
GRMN 251&251 (German III&IV) <b>or</b>			Technical Elective (3-4)	_____	_____
†SPAN 102 & 201 (Elem. Span I & Int. Span – 6 cr)	_____	_____	<b>Mechanical Engineering</b>		
<i>Other levels should be listed as electives</i>			Technical Elective (3-4)	_____	_____
_____	_____	_____	Technical Elective (3-4)	_____	_____
<b>Other Requirements (8 cr)</b>			<b>Special Requirements:</b>		
CHEM 111 General Chemistry I (4)	_____	_____	Two years at University of Pittsburgh School of Engineering (~64 cr)		
CHEM 112 General Chemistry II (4)	_____	_____	Credits are counted in the Liberal Studies Natural Science requirement		
<b>Free Electives (1-9 cr)*if no auto transfer into Pitt*</b>			Course may be taken at Pitt equivalent as per program		
_____	_____	_____	Intermediate-level Foreign Language may be included in Liberal Studies electives		
_____	_____	_____	6cr of computer language may substitute for foreign language requirement		
_____	_____	_____	Cumulative GPA of at least 2.8 is required for transfer to Pitt.		
<b>*If one of these courses does not meet the Non-Western cultures requirement, than an elective must be used.</b>			Students transferring to Pitt do not need LBST 499 or a second writing intensive course		
<b>†Total credits from SPAN 102 (4 cr) and SPAN 201 (4 cr) = 8 cr. 2cr should be included in electives.</b>					

