

APPLIED PHYSICS/MEDICAL PHYSICS BS REQUIREMENTS CHECKLIST

NAME _____

ID # _____

FRESHMAN-FALL			FRESHMAN-SPRING		
___ 29:27	Physics I	4	___ 29:28	Physics II	4
___ 22M:25	Calculus I	4	___ 22M:26	Calculus II	4
___ 4:11	Prin of Chem I	3	___ 4:12	Prin of Chem II	3

SOPHMORE-FALL			SOPHMORE-SPRING		
___ 29:29	Physics III	4	___ 29:30	Physics IV	4
___ 22M:27	Intro to Lin Algebra	3	___ 29:115	Intermediate Mechanics	3
___ 2:10	Prin of Biology I	4	___ 22M:28	Calculus III	3
			___ 2:11	Prin of Biology II	4

JUNIOR-FALL			JUNIOR-SPRING		
___ 29:129	Electricity & Mag I	3	___ 29:128	Electronics	4
___ 29:140	Intro Q.M. I	3	___ 4:122	Organic Chem II	3
___ 4:121	Organic Chem I	3		Adv Biology Elective*	
171:161	Intro to Biostatistics	3	___ or	Physics Elective**	
___ or					
22S:101	Intro to Biostatistics	3			

SENIOR-FALL			SENIOR-SPRING		
___ 29:132	Intermediate Lab	3		Adv Bio Elective*	3
	Adv Biology Elective*		___ or	Physics Elective**	
___ or	Physics Elective **				
___ 4:141	Organic Chem Lab	3			

*Select from: 099:110, 099:120, 099:130, 099:140; 2:103-120, 2:124-130, 2:135, 2:136, 2:143-152, 2:155, 2:156, 2:171, 2:177, 2:180, 2:199; 61:147, 61:157 (**2 from this group required**)

Select from: 29:105 (Physics of the Body), 29:118, 141, 130, 133 (1 from this group required**)

Coop – Choose any one of the following:

- 1 semester working full time
- 1 summer working full time
- 2 semesters working part time (50%)

GEs Not Satisfied By Physics Major:

___ Rhetoric	10:___ 3-4 sh	___ Humanities	3 sh
	10:___ 4 sh		
___ Foreign Lang		___ Social Science	3 sh
	Last course in sequence		
___ Interp of Lit 8G:1	3 sh	___ Distributed Ed	3 sh***
___ Hist Perspect	3 sh	___ Distributed Ed	3 sh***

***6 hours with a minimum of 3 hours chosen from each of 2 of these: Cultural Diversity, Fine Arts, Foreign Civilization and Culture, Historical Perspectives, Humanities, PE, Social Science

10/2007

Physics Electives

29:119	Intro to Astrophysics I
29:120	Intro to Astrophysics II
29:128	Electronics (may not be repeated)
29:133	Advanced Lab (third semester)
29:171-172	Mathematical Methods
29:174	Intro to Laser Physics
29:180	Electromag Fundamentals of Optics
29:182	Electro-Optics
29:184	Optical Signal Processing
29:186	Radio Astronomy
29:192	Elementary Particles/Nuclear Physics
29:193	Intro to Solid State Physics
29:194	Plasma Physics
29:195	Plasma Physics
29:196	Fluid Mechanics

Mathematics Electives

22M:100	Intro to Ordinary Differential Equations
22M:118	Complex Variables
22M:142	Nonlinear Dynamics and Chaos
22M:144	
22M:170	Numerical Analysis Nonlinear Eqn Approx Theory