PHYSICS CERTIFICATION

Name_	Date	Class Yr	HUB				
Phone _	Email	Adviser					
Semester/Yr Planning to Student Teach							

(Example Spring 2006)

NOTE: Major requirements and certification requirements may differ somewhat. Seek degree completion advice in your major department.

SPECIALIZATION REQUIREMENTS

Course No.	Course Title	Completed	Grade	Need
Ten Courses, includin	g 4 core courses:			
*PHYS 131 and 132	Introductory Physics			
OR	OR			
*PHYS 141 and 142	Physics for the Life Sciences			
*PHYS 211	Vibrations, Waves, and Optics			
*PHYS 212	Medical and Radiation Physics			
*4 electives with at lea	ast two at 300 level or above:			
PHYS 213	Analog and Digital Electronics			
PHYS 282	Introduction to Theoretical Physic	s 🗌		
PHYS 306	Intro to Astrophysics			
PHYS 311	Dynamics & Chaos			
PHYS 312	Electrodynamics and Plasmas			
PHYS 313	Microcomputer Interfacing			
PHYS 314	Energy and Environmental Physic	s 🗌		
PHYS 315-316	Health Physics			
PHYS 317	Nuclear and Health Physics Lab			
PHYS 361A	Thermodynamics & Stat Mech			
PHYS 361B	Optics			
PHYS 392	Physics Seminar			
PHYS 406	Adv. Astrophysics			
PHYS 412	Laboratory and Space Plasmas			
PHYS 431	Quantum Mechanics			
PHYS 432	Topics in Theoretical Physics			
PHYS 550	Independent Research			
*Two Research Cours	es (Required)			
PHYS 491and 492 OR	Senior Research Seminar OR			
PHYS 491and 492H	Senior Research Seminar			

Corequisite courses for physics certification. These requirements can be satisfied by taking courses at Dickinson or another institution of higher education, approved independent study, competency testing, or satisfactory A.P. test scores. They should be completed early in your time at Dickinson.

*Math 161 Calculus I *Math 162 Calculus II *Phys 282 OR Calculus III