Grove City College Status Sheet

B.S. In Applied Physics with Secondary Education Certification Entering in 2006

(6-01-06)

Status Sheets are provided as a convenience for the student and may be helpful for recording completed courses. However, the College Bulletin is the controlling authority on all requirements. Questions should be directed to your academic advisor or the Registrar. (WI)=Writing Intensive, (SI)=Speaking Intensive, (IL)=Information Literacy courses.

Name:_____ ID#: _____ Date: _____

Year of Anticipated Graduation:_____ Advisor: _____

TOTAL HOURS REQUIRED FOR THIS MAJOR.....131 HOURS

GENERAL EDUCATION REQUIREMENTS.....23 HOURS

Minimum CQPA and MQPA required for graduation..... 2.00
Certification minimum CQPA: 3.00; MQPA: 2.75
MQPA Courses: PHYS
MAJOR REQUIREMENTS..... 108 –110 HOURS

HUMANITIES CORE.....18-21 HOURS

	Cr.	Sem. Taken	Grade
HUMA 101 Civilization (WI) (IL)	3		
HUMA 102 Biblical Revelation (WI) (IL)	3		
OR			
RELI 211 OT Lit & History AND	*3*		
RELI 212 NT Lit & History (WI) (IL)	*3*		
HUMA 201 Speculative Mind (WI) (IL)	3		
HUMA 202 Literature	3		
HUMA 301 Arts	3		
HUMA 302 Internat'l Perspective	3		

STUDIES IN SCIENCE, FAITH & TECHNOLOGY (SSFT).....3 HOURS

Choose one course from the following:
PHIL 243 Foundations of Science
SSFT 210 Science & Religion
SSFT 212 Science, Faith, Technology & Origins

_____ 3 _____ _____

FOUNDATIONS OF THE SOCIAL SCIENCES.....0 HOURS

College requirements met through major/related coursework.

QUANTITATIVE/LOGICAL REASONING.....0 HOURS

Satisfied by major/related requirements.

NATURAL SCIENCES (with labs).....0 HOURS

Satisfied by major/related requirements.

PHYSICAL EDUCATION.....2 HOURS

PHYE 101 (men) / 111 (women)	1		
PHYE 102 (men) / 112 (women)	1		

*Math 211 and 222 may substitute for MATH 274 in order to receive a minor in Mathematics.

PHYSICS CORE..... 43 HOURS

	Cr.	Sem. Taken	Grade
PHYS 101 General Physics I	4		
PHYS 102 General Physics II	4		
PHYS 210 Electronics	4		
PHYS 232 Intermed.General Physics	3		
PHYS 234 Modern Physics	3		
PHYS 288 Intermediate Lab (WI)	2		
PHYS 303 Mechanics I	3		
PHYS 304 Mechanics II	3		
PHYS 305 Electricity & Magnetism	3		
PHYS 310 Optics	3		
PHYS 321 Radiation Lab (SI) (IL)	2		
PHYS 421 Advanced Topics	3		
PHYS 431 Quantum Mechanics	3		
PHYS 442 Comp. Methods	3		

PROFESSIONAL EDUCATION REQUIREMENTS.....33 HOURS

EDUC 201 Foundations I	3		
EDUC 202 Foundations II	3		
EDUC 305 Science Curriculum & Instr.	3		
EDUC 309 Field Exp Teaching Science	2		
EDUC 361 Exceptionalities in Sec School	1		
EDUC 371 Field Experience	1		
EDUC 431 Student Teaching	14		
EDUC 488 Issues / Comp Educ	3		
PSYC 102 Educational Psychology	3		

TECHNICAL CORE REQUIREMENTS (Science, Math, etc.).....26 HOURS

CHEM 105 Chemistry for Engineers	4		
MATH 161 Calculus I	4		
MATH 162 Calculus II	4		
MATH 261 Calculus III	4		
MATH 262 Differential Equations	3		
MATH 263 Numerical Diff. Equations	1		
ENGR 274 Math Meth in Engineering*	3		
COMP 141 Intro to Programming	3		

TECHNICAL ELECTIVES.....6-8 HOURS

Recommended: PHYS 488; any Engineering course [except ENGR 156, 210, 402, or ELEE 201/251]; any 300 or 400 level MATH course; any BIOL course; COMP 220, 222, 244, 246, 342, 440, 450, or any course approved by the dept.

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Suggested Four-Year Plan
Applied Physics with Secondary Education Certification Major (PHYA)

Fall	Credits	Spring	Credits
Freshman Year			
PHYS 101 General Physics I	4	PHYS 102 General Physics II	4
MATH 161 Calculus I	4	MATH 162 Calculus II	4
HUMA 101 Civilization	3	HUMA 102 Biblical Revelation	3
PHYE 101 (Men) 111 (Women)	1	PHYE 102 (Men) 112 (Women)	1
CHEM 105 Chemistry for Engineers	4	COMP 141 Intro to Programmine	3
	16		15
Sophomore Year			
PHYS 232 Intermediate General Physics	3	PHYS 234 Modern Physics	3
PHYS 210 Electronics	4	PHYS 288 Intermediate Laboratory	2
HUMA 201 Civ/Speculative Mind	3	HUMA 202 Civ/Literature	3
MATH 261 Calculus III	4	MATH 262 Differential Equations	3
EDUC 201 Foundations of Education	3	MATH 263 Numerical Diff. Equations	1
	17	EDUC 202 Found of Education II	3
		PSYC 102 Educational Psychology	3
			18
Junior Year			
PHYS 303 Mechanics I	3	PHYS 321 Radiation Laboratory	2
PHYS 305 Electricity and Magnetism	3	PHYS 304 Mechanics II	3
HUMA 301 Civ/Arts	3	EDUC 305 Curriculum & Instruction	3
Technical Elective	3	EDUC 309 Field Exp Teaching Science	2
PHYS 431 Quantum Mechanics	3	ENGR 274 Math Meth in Engineering	3
EDUC 361 Exceptionalities/Sec Ed	1	PHYS 442 Math Methods of Phys	3
EDUC 371 Field Experience	1		
	17		16
Senior Year			
EDUC 431 Student Teaching	14	PHYS 310 Optics	3
		PHYS 421 Advanced Topcs	3
		HUMA 302 Internat'l Perspective	3
		EDUC 488 Issues/Comp Educ	3
		Tech Elective	3
		SSFT Course	3
	14		18

*Suggested elective fulfills requirements for a minor in Mathematics.