Grove City College Status Sheet

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.

B.S. in Applied Physics/ Computer with Software Option
Entering in 2011

(3-1-11)

Name:_____ ID#:_____ Date:_____

Year of Anticipated Graduation: _____ Advisor:_____

TOTAL HOURS REQUIRED FOR THIS DEGREE……128 HOURS	*Minimum CQPA and MQPA required for graduation……2.00*
	MQPA Courses……ASTR; COMP; PHYS; ELEE; MATH 222
General Education + Elective Requirements……38-39 HOURS	*Major Requirements……89-90 HOURS*

GENERAL EDUCATION REQUIREMENTS..... 26 HOURS

HUMANITIES CORE.....18 HOURS

	Cr.	Sem. Taken	Grade
HUMA 101 Civilization (WI) (IL)	3	_____	_____
HUMA 102 Biblical Revelation (WI) (IL)*	3	_____	_____
HUMA 201 Speculative Mind (WI) (IL)	3	_____	_____
HUMA 202 Literature	3	_____	_____
HUMA 301 Arts	3	_____	_____
HUMA 302 International Perspective	3	_____	_____

*The year-long sequence of Reli 211 and 212 may substitute for this course.

STUDIES IN SCIENCE, FAITH, & TECHNOLOGY (SSFT).....3 HOURS
Choose one course from the following:
SSFT 208 Science, Technology & Society
SSFT 210 Science & Religion
SSFT 212 Science, Faith, Technology & Origins

_____ 3 _____ _____

FOUNDATIONS OF THE SOCIAL SCIENCES.....3 HOURS
Choose one social science course from the following:
ECON 120 Foundations of Economics
HIST 120 Foundations of History
HIST 204 Hist/Phil Foundations of Education
POLS 101 Foundations of Political Science
PSYC 101 Foundations of Psychology
PSYC 200 Cross-Cultural Psychology
SOCI 101 Foundations of Sociology
SOCI 103 Foundations of Cultural Anthropology

_____ 3 _____ _____

QUANTITATIVE / LOGICAL REASONING.....0 HOURS
College requirements met through major-related coursework.

NATURAL SCIENCES (with labs).....0 HOURS
College requirements met through major-related coursework.

PHYSICAL EDUCATION.....2 HOURS

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

GENERAL ELECTIVES.....12-13 HOURS

_____	___	_____	_____
_____	___	_____	_____
_____	___	_____	_____
_____	___	_____	_____
_____	___	_____	_____
_____	___	_____	_____

PHYSICS/COMPUTER CORE REQUIREMENTS..... 40 HOURS

	Cr.	Sem. Taken	Grade
PHYS 101 General Physics I	4	_____	_____
PHYS 102 General Physics II	4	_____	_____
PHYS 135 Horizons in Physics	1	_____	_____
PHYS 232 Intermed. General Physics	3	_____	_____
PHYS 234 Modern Physics	3	_____	_____
PHYS 242 Intro to Theoretical Physics	3	_____	_____
PHYS 288 Intermediate Lab. (WI)	2	_____	_____
PHYS 303 Mechanics I	3	_____	_____
PHYS 321 Radiation Lab (SI) (IL)	2	_____	_____
PHYS 442 Comp Methods	3	_____	_____
COMP 141Comp Programming I	3	_____	_____
COMP 244 Database Mgmt. Sys.	3	_____	_____
COMP 252 Comp Archit & Organiz	3	_____	_____
COMP 342 Data Comm & Networking	3	_____	_____

TECHNICAL ELECTIVES..... 3 HOURS
Choose ONE of the following:

PHYS 304 Mechanics II	3	_____	_____
PHYS 305 Elec & Magnet	3	_____	_____
PHYS 421 Advanced Topics	3	_____	_____
PHYS 431 Quantum Mechanics	3	_____	_____

COMPUTER SOFTWARE REQUIREMENTS .....22-23 HOURS

COMP 220 Comp Programming II	3	_____	_____
COMP 222 Advanced ProgrammingI	3	_____	_____
COMP 340 Operating Systems	3	_____	_____
COMP 341 Systems Analysis	3	_____	_____
COMP 450 Software Engineering	3	_____	_____
PHYS 210 Electronics	4	_____	_____

Choose one of the following:
ELEE 204; COMP 480 or PHYS 470 (Limit 3 hr); COMP 314, 322, or any 400-level computer course; or MATH 222*

_____ 3-4 _____ _____

*If you take MATH 222, you will receive a minor in Mathematics.

TECHNICAL CORE REQUIREMENTS .....24 HOURS

CHEM 105 Chemistry for Engineers	4	_____	_____
MATH 161 Calculus I	4	_____	_____
MATH 162 Calculus II	4	_____	_____
MATH 213 Discrete Math	4	_____	_____
MATH 261 Calculus III	4	_____	_____
MATH 262 Differential Equations	3	_____	_____
MATH 263 Numerical Diff. Equations	1	_____	_____

Suggested Four-Year Plan
Applied Physics/Computer Major (PCMP) with Software Option (PCSC)

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
COMP 141 Comp Programming I	3	COMP 252 Comp Archit/Organization	3
PHYS 135 Horizons in Physics	1		15
	16		
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	PHYS 242 Intro to Theoretical Phys.	3
COMP 244 Database Mgt. Systems	3	SSFT	3
	17	Electives*	3
			17
Junior Year			
PHYS 303 Mechanics I	3	PHYS 321 Radiation Laboratory	2
CHEM 105 Chemistry for Engineers	4	COMP 222 Data Structures	3
HUMA 301 Civ/Arts	3	COMP 341 Systems Analysis	3
COMP 220 Computer Programming II	3	HUMA 302 Civ/International Perspective	3
Elective*	4	PHYS 442 Comp Methods**	3
	17		14
Senior Year			
COMP 342 Data Comm & Networking	3	COMP 340 Operating Systems	3
COMP 450 Software Engineering	3	MATH 262 Differential Equations**	3
MATH 213 Discrete Math	4	MATH 263 Numerical Diff. Equations**	1
Foundations of Social Science	3	Electives*	9
Electives*	3		16
	16		

* 3 of these elective credits must be fulfilled by a Technical Elective; 3 other credits by a Computer Hardware Requirement choice

**The sequencing of MATH 262/263 and PHYS 442 may alternate because PHYS 442 is taught every other year.