

Grove City College Status Sheet

B.S. in Computer Science

Entering in 2014

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.

(1-28-14)

Name: _____ ID#: _____ Date: _____

Year of Anticipated Graduation: _____ Advisor: _____

TOTAL HOURS REQUIRED FOR THIS DEGREE.....128 HOURS

General Education + Elective Requirements.....33 HOURS

Minimum CQPA and MQPA required for graduation.....2.00

MQPA Courses.....COMP (excluding COMP 102 & 204); MATH 213

Major Requirements.....95 HOURS

GENERAL EDUCATION REQUIREMENTS.....26 HOURS

HUMANITIES CORE.....18 HOURS

	Cr.	Sem. Taken	Grade
HUMA 101 Civilization (IL)	3	_____	_____
HUMA 102 Biblical Revelation (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 ELECTIVES7 HOURS

COMPUTER SCIENCE CORE.....27 HOURS

	Cr.	Sem. Taken	Grade
COMP 141 Computer Programming I	3	_____	_____
COMP 155 Intro to Computer Science	3	_____	_____
COMP 220 Computer Programming II	3	_____	_____
COMP 222 Data Structures/Algorithms	3	_____	_____
COMP 244 Database Management	3	_____	_____
COMP 252 Computer Arch & Organization	3	_____	_____
COMP 314 Foun. of Computer Science	3	_____	_____
COMP 322 Object Oriented/Adv Prog.	3	_____	_____
COMP 342 Data Comm and Networking	3	_____	_____

ADVANCED COMPUTER CORE26 HOURS

COMP 305 Ethics in Comp Prof (WI)(SI)(IL)	2	_____	_____
COMP 340 Operating Systems	3	_____	_____
COMP 361 Intro to Computer Graphics	3	_____	_____
COMP 422 Introduction to Algorithms	3	_____	_____
COMP 442 Web Program Technologies	3	_____	_____
COMP 443 OOPL & Event Driven Prog	3	_____	_____
COMP 448 Computer Security	3	_____	_____
COMP 450 Software Eng (WI)(SI)(IL)	3	_____	_____
COMP 451 Senior Project I (IL)	1	_____	_____
COMP 452 Senior Project II (WI)(SI)(IL)	2	_____	_____

COMPUTER SCIENCE ELECTIVES12 HOURS

Select four of the following five courses: Computer Science 341 Syst Anly, 401 iOS Programming, 441 Comp Game Dsgn/Dev, 445 Artificial Intel, 446 Adv Comp Game Dsgn/Dev, 447 Console Game Dsgn/Dev

_____	3	_____	_____
_____	3	_____	_____
_____	3	_____	_____
_____	3	_____	_____

MATH/SCIENCE CORE REQUIREMENTS.....30 HOURS

CHEM 105 Chemistry for Engineers	4	_____	_____
MATH 214 Appl. Prob./Lin.	3	_____	_____
MATH 161 Calculus I	4	_____	_____
MATH 162 Calculus II	4	_____	_____
MATH 213 Discrete Mathematics for CS	3	_____	_____
MATH 261 Calculus III	4	_____	_____
PHYS 101 General Physics I	4	_____	_____
PHYS 102 General Physics II	4	_____	_____

SUGGESTED FOUR-YEAR PLAN for the COMPUTER SCIENCE MAJOR (CSCI)

Fall Semester

Spring Semester

Freshman Year

MATH 161 Calculus I	4
PHYS 101 Gen Phys I - Engineering.....	4
COMP 155 Intro to Comp Sci.....	3
HUMA 101 Civilization.....	3
PHYE 101 (men) 111 (women)	<u>1</u>
	15

MATH 162 Calculus II	4
PHYS 102 Gen Phys II – Engineering.....	4
COMP 141 Computer Programming I.....	3
HUMA 102 Civ/Biblical Revelation	3
PHYE 102 (men) 112 (women)	<u>1</u>
	15

Sophomore Year

MATH 261 Calculus III	4
MATH 213 Discrete Math for CS.....	3
COMP 220 Comp Prog II	3
COMP 244 Database Mgt	3
HUMA 201 Civ/Spec Mind.....	<u>3</u>
	16

MATH 214 Appl. Prob./Lin.	3
CHEM 105 Chem for Engineers.....	4
COMP 222 Data Structures	3
COMP 252 Comp Arch/Org	3
HUMA 202 Civ/Literature	<u>3</u>
	16

Junior Year

COMP 322 Object Oriented/Adv Prog.....	3
COMP 342 Data Comm & Networking	3
Computer Science elective.....	3
Studies in Sci, Faith, Tech (SSFT)	3
HUMA 301 Civ/Arts	<u>3</u>
	15

COMP 305 Ethics in Computing Prof.....	2
COMP 314 Foun of Computer Science.....	3
COMP 340 Operating Systems.....	3
COMP 361 Intro to Computer Graphics	3
COMP 450 Software Engineering	3
Computer Science Elective	<u>3</u>
	17

Senior Year

COMP 422 Intro to Algorithms	3
COMP 442 Web Program Technologies	3
COMP 448 Computer Security	3
COMP 451 Senior Project 1	1
Computer Science Elective	3
Foundations of Social Science	3
General Elective	<u>1</u>
	17

COMP 443 OOPL/Event-Driven Programming	3
COMP 452 Senior Project II	2
Computer Science Elective	3
HUMA 302 Civ/International Perspective.....	3
General elective	<u>6</u>
	17

Note: Students wishing to take all three game courses (COMP 441, COMP 446, and COMP 447) must take COMP 441 in their *fall, junior* term.

Note: Students must take at least three General elective credits outside the Hopeman School.