

Grove City College Status Sheet

B.S. in Computer Science
Entering in 2016
 (5-3-2016)

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 DEGREE.....128 HOURS

General Education + Elective Requirements.....34 HOURS

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

MQPA Courses.....COMP; MATH 213

Major Requirements.....94 HOURS

GENERAL EDUCATION REQUIREMENTS..... 25 HOURS

HUMANITIES CORE.....15 HOURS

	Cr.	Sem. Taken	Grade
HUMA 102 Biblical Revelation (IL)*	3	_____	_____
HUMA 200 Western Civilization	3	_____	_____
HUMA 202 Literature	3	_____	_____
HUMA 301 Arts	3	_____	_____
HUMA 303 Speculative Mind	3	_____	_____

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

WRITING REQUIREMENT3 HOURS

WRIT 101 Foundations of Academic Discourse (IL)3 _____

STUDIES IN SCIENCE, FAITH, & TECHNOLOGY (SSFT) 2 HOURS

Choose one course from the following:

PHIL 243 Science and the Human: Inquiry

SSFT 210 Science & Religion

SSFT 212 Science, Faith, Technology & Origins

_____ 2 _____

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

SOCW 101 Foundations of Social Work

_____ 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 9 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 Found. of Computer Science	3	_____	_____
COMP 322 Object Oriented/Adv Prog.	3	_____	_____
COMP 342 Data Comm and Networking	3	_____	_____

ADVANCED COMPUTER CORE 25 HOURS

COMP 205 Ethics in Comp Prof (WI)(SI)(IL)	3	_____	_____
COMP 340 Operating Systems	3	_____	_____
COMP 350 Software Eng (WI)(SI)(IL)	3	_____	_____
COMP 361 Intro to Computer Graphics	3	_____	_____
COMP 422 Introduction to Algorithms	3	_____	_____
COMP 443 OOPL & Event Driven Prog	3	_____	_____
COMP 448 Computer Security	3	_____	_____
COMP 451 Senior Project I (IL)	2	_____	_____
COMP 452 Senior Project II (WI)(SI)(IL)	2	_____	_____

COMPUTER SCIENCE ELECTIVES 12 HOURS

Select four of the following seven courses: Computer Science 401 iOS Programming, 441 Comp Game Dsgn/Dev, 442 Web Program Tech, 445 Artificial Intel, 446 Adv Comp Game Dsgn/Dev, 447 Console Game Dsgn/Dev, 390 Select Topics in Comp Science

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

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

MATH 161 Calculus I	4	_____	_____
MATH 162 Calculus II	4	_____	_____
MATH 213 Discrete Mathematics for CS	3	_____	_____
MATH 214 Applied Probability/Linear Alg.	3	_____	_____
MATH 261 Calculus III	4	_____	_____
PHYS 101 General Physics I	4	_____	_____

Science Elective: Choose one of the following: PHYS 102, CHEM 101, CHEM 102, CHEM 105, BIOL 101, or BIOL 102.

_____ 4 _____

Science/Math Elective: Choose any four credits from PHYS 102, CHEM 101, CHEM 102, CHEM 105, BIOL 101, BIOL 102, or any 200-level or higher MATH course.

_____ 4 _____

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

Fall Semester

Spring Semester

Freshman Year

MATH 161 Calculus I	4
COMP 155 Intro to Comp Sci.....	3
HUMA 102 Civ/Biblical Revelation	3
WRIT 101 Foundations of Acad. Discourse	3
PHYE 101 (men) 111 (women)	<u>1</u>
	14

MATH 162 Calculus II	4
COMP 141 Computer Programming I	3
COMP 205 Ethics in Computing Prof.....	3
HUMA 200 Western Civ	3
Foundations of Social Science.....	3
PHYE 102 (men) 112 (women)	<u>1</u>
	17

Sophomore Year

MATH 261 Calculus III	4
MATH 213 Discrete Math for CS.....	3
PHYS 101 General Physics I	4
COMP 220 Comp Prog II	3
HUMA 202 Civ/Literature	<u>3</u>
	17

Science/Math Elective.....	4
MATH 214 Applied Probability & Linear Algebra	3
COMP 222 Data Structures	3
COMP 322 Object Oriented/Adv. Prog.	3
Studies in Science, Faith, & Technology (SSFT)	<u>2</u>
	15

Junior Year

Science Elective	4
COMP 342 Data Comm & Networking	3
COMP 252 Comp Arch/Org.....	3
COMP 244 Database Mgmt	3
Computer Science Elective	<u>3</u>
	16

COMP 314 Found of Computer Science.....	3
COMP 340 Operating Systems.....	3
COMP 350 Software Engineering	3
General Electives	3
Computer Science Elective	<u>3</u>
	15

Senior Year

COMP 422 Intro to Algorithms	3
COMP 448 Computer Security.....	3
COMP 451 Senior Project 1	2
Computer Science Elective	3
HUMA 303 Speculative Mind	3
HUMA 301 Civ/Arts	<u>3</u>
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COMP 443 OOPL / Event-Driven Programming	3
COMP 452 Senior Project II.....	2
COMP 361 Intro to Computer Graphics	3
Computer Science Elective	3
General Electives.....	<u>6</u>
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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.