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 Electrical Engineering – EECE

Computer Engineering Concentration

Entering in 2016

(5-3-2016)

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***
General Education + Elective Requirements……31 HOURS	***MQPA Courses….ELEE; ENGR 390; COMP 141, 220, 222, 340, & 450; ROBO Major Requirements……97 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 REQUIREMENT ..... **3 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 ..... **6 HOURS**

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

ELECTRICAL / COMPUTER ENGINEERING CORE ..... **27 HOURS**

	Cr.	Sem. Taken	Grade
COMP 141 Computer Programming I	3	_____	_____
ELEE 201 Linear Circuits I	3	_____	_____
ELEE 204 Digital Logic Design	3	_____	_____
ELEE 251 Linear Circuits Lab (IL)	1	_____	_____
ELEE 252 Digital Circuits Lab (IL)	1	_____	_____
ELEE 301 Electronics I	3	_____	_____
ELEE 304 Electromagnetic Theory	3	_____	_____
ELEE 321 Signal Analysis	3	_____	_____
ELEE 351 Intermediate Lab I (IL)	1	_____	_____
ELEE 401 Electrical Engr. Design (WI) (SI)	3	_____	_____
ELEE 451 Capstone Design Project I (IL)	1	_____	_____
ELEE 452 Capstone Design Project II (IL)	2	_____	_____

COMPUTER ENGINEERING CONCENTRATION (EECE) ..... **33 HOURS**

Core Requirements ..... **21 HOURS**

COMP 220 Computer Programming II	3	_____	_____
COMP 222 Intro to Data Structures and Algorithms	3	_____	_____
COMP 340 Operating Systems	3	_____	_____
ELEE 310 Microcontrollers w/ Robotic Applications	3	_____	_____
ELEE 441 Computer Architecture	3	_____	_____
ELEE 442 Parallel Computer Architecture	3	_____	_____
MATH 213 Discrete Math for Computer Science	3	_____	_____

Elective Requirements:

Select nine hours from the following technical electives ..... **9 HOURS**
Any 200-400 level ELEE, ROBO, MECE, or COMP course, excluding ELEE 210.

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

Select one of the following advanced electives ..... **3 HOURS**
ELEE 404, ELEE 422, or ELEE 432.

_____	3	_____	_____

MAJOR-RELATED REQUIREMENTS ..... **37 HOURS**

MATH/SCIENCE CORE ..... **30 HOURS**

CHEM 105 Chemistry for Engineers ***or***			
BIOL 101 General Biology I	4	_____	_____
ENGR 274 Math Methods in Engineering **or**			
MATH 214 Applied Prob & Linear Algebra	3	_____	_____
MATH 161 Calculus I	4	_____	_____
MATH 162 Calculus II	4	_____	_____
MATH 261 Calculus III	4	_____	_____
MATH 262 Differential Equations	3	_____	_____
PHYS 101 General Physics I	4	_____	_____
PHYS 102 General Physics II	4	_____	_____

ENGINEERING (ENGR) CORE ..... 7 **HOURS**

ENGR 156 Intro to Engineering	2	_____	_____
ENGR 301 Ethics in Engineering and Robots	1	_____	_____
ENGR 402 Business for Tech Professionals	1	_____	_____
MECE 120 Numerical Computer for Engineers	3	_____	_____

FOUR-YEAR PLAN FOR ELECTRICAL ENGINEERING MAJORS
COMPUTER ENGINEERING CONCENTRATION (EECE)

FRESHMAN YEAR

	1st Sem.	2nd Sem.
Mathematics 161-162	4	4
Physics 101-102	4	4
Huma 102, Writing 101	3	3
Physical Education	1	1
Computer 141	3	-
Engineering 156	2	-
Chemistry 105	-	4
or		
Biology 101	4	-
Computer 141	-	3
Engineering 156	-	2
	17/16	16/17

SOPHOMORE YEAR

	1st Sem.	2nd Sem.
Mathematics 261-262	4	3
Electrical Engineering 201	3	-
Electrical Engineering 251-252	1	1
Electrical Engineering 204	-	3
Electrical Engineering 321	-	3
Mechanical Engineering 120	-	3
Computer Science 220-222	3	3
Humanities 200	3	-
SSFT Course	2	-
	16	16

JUNIOR YEAR

	1st Sem.	2nd Sem.
Electrical Engineering 301	3	-
Electrical Engineering 304	-	3
Electrical Engineering 310	-	3
Electrical Engineering 351	1	-
Technical Elective*	3	-
Mathematics 213-214**	3	3
Computer Science 340	-	3
Social Science Course	3	-
Humanities 301-202	3	3
Engineering 301	1	-
	17	15

SENIOR YEAR

	1st Sem.	2nd Sem.
Electrical Engineering 401	3	-
Electrical Engineering 441-442	3	3
Electrical Engineering 451-452	1	2
Engineering 402	-	1
Technical Electives*	3	3
Advanced Elective***	-	3
Humanities 303	-	3
Free Elective	5	1
	15	16

*Technical electives can be any 200-400 level ELEE, ROBO, MECE, or COMP course, excluding ELEE 210.
**Engineering 274 may be taken in the place of Mathematics 214.
***Advanced electives can be chosen from ELEE 404, ELEE 422, or ELEE 432.

Students are expected to use this status sheet in conjunction with the College Bulletin and to contact their advisors for a detailed schedule of courses recommended to meet requirements for a major.

TOTAL CREDIT HOURS REQUIRED = 128