

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.

Name: _____
ID# _____
Year of Anticipated Graduation: _____

**B.S. in Applied Science and Engineering w/
Technology Management Concentration**
Entering 2025
(REVISED 02-27-2025)

Date: _____
Advisor: _____

TOTAL HOURS REQUIRED FOR THIS DEGREE----- 128 HOURS

General Education + Elective Requirements----- 40 HOURS

GENERAL EDUCATION REQUIREMENTS-----		26 HOURS	
		Cr.	Sem. Taken
HUMANITIES CORE-----		18 HOURS	
HUMA 100	The Humanities: Christian Wisdom	1	
HUMA 200	Western Civilization	3	
HUMA 202	Civilization and Literature	3	
HUMA 204	Civilization and the Arts	3	
HUMA 261	Scripture & Theology for the Chr. Life I	3	
HUMA 271	Scripture & Theology for the Chr. Life II	3	
HUMA 300	Gospel & the Good Life: Christian Ethic	2	

WRITING REQUIREMENT----- 3 HOURS
WRIT 101 Found. of Academic Discourse (WI/IL) 3

FOUNDATIONS OF THE SOCIAL SCIENCES*-----				3 HOURS
Choose one course from the following:				
ECON 120	Foundations of Economics	PSYC 101	Foundations of Psychology	
HIST 120	Foundations of History	PSYC 200	Cross-Cultural Psychology	
HIST 204	Historical & Phil. Found. of Education	SOCW 101	Foundations of Social Work	
POLS 101	Foundations of Political Science	SOCI 101	Foundations of Sociology	
		SOCI 103	Found. of Cultural Anthr.	
		3		

NATURAL SCIENCE (with lab)/ QUANTITATIVE/LOGICAL REASONING-----		10 HOURS	
(1) Natural Science with lab	4	(Met through major)	
(2) Quantitative/Logical Reasoning	3-4	(Met through major)	
(3) Third course in Natural Science, Quantitative or Logical Reasoning	3-4	(Met through major)	

STUDIES IN SCIENCE, FAITH, & TECHNOLOGY -----		2 HOURS
Choose one course from the following:		
COMP 205/SSFT 205 Ethics, Faith, and the Conscious Mind		
PHIL 243	Science and the Human: Inquiry, Design, & the Person	
SSFT 210	Science & Religion	
SSFT 212	Science, Faith, Technology, & Origins	
	2	

GENERAL ELECTIVES-----		14 HOURS	

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

MQPA Courses---ENGR; BIOL; CHEM; PHYS; ELEE; MECE; MATH

Major Requirements----- 88 HOURS

ENGINEERING SCIENCE CORE-----		54 HOURS	
		Cr.	Sem. Taken
BIOL 101	General Biology	4	
CHEM 105	Chemistry for Engineers	4	
MATH 161	Calculus I	4	
MATH 162	Calculus II	4	
STAT 131	Statistical Methods I	3	
PHYS 101	General Physics Engineering I	4	
PHYS 102	General Physics Engineering II	4	
MECE 107	Engineering Graphics	2	
MECE 109	Introduction to Solid Modeling	2	
MECE 201	Fundamentals of Material Science	3	
MECE 211	Mechanics I	3	
ENGR 120	Numerical Computing	3	
ENGR 156	Introduction to Engineering	2	
ENGR 216	Mechatronics I	3	
ENGR 304	Design of Experiments	1	
ENGR 401	Engineering Design	1	
ENGR 402	Engineering Senior Seminar	1	
ENGR 451	Capstone Design Laboratory I (WI/SI)	3	
ENGR 452	Capstone Design Laboratory II (SI)	3	

PLAN OF STUDY	
Technology Management: -----	34 HOURS
Students are required to take all Management Core courses (16 credit hours) along with at least 18 credit hours from the listed Technology Management electives	

Management Core:		Cr.	Sem. Taken	Grade
MNGT 103	Principles of Management	3		
MNGT 204	Operations Management	3		
MNGT 214	Business, Ethics, and Society (WI/IL)	3		
ACCT 201	Principles of Accounting I	3		
ENTR 303	Law for Entrepreneurs	3		
ENTR 304	Intellectual Property Protection	1		

Technology Management Electives:		Cr.	Sem. Taken	Grade
ACCT 202	Principles of Accounting II	3		
COMM 104	Public Speaking (SI)	3		
ENTR 302	Sales in the Startup	3		
ENTR 312	Entrepreneurship: Managing a Growing Ent.	3		
ENTR 467	Corporate Innovation (SI)	3		
FNCE 202	Principles of Finance	3		
MARK 104	Principles of Marketing	3		
MNGT 210	Data Visualization	3		
MNGT 302	Lean Management	3		
MNGT 307	Project Teams and Leadership	3		
MNGT 311	Negotiation	3		
MNGT 424	Supply Chain Management	3		
MNGT 561	Prof. Cert. in Project Management	3		
STAT 132	Statistical Methods II	3		

* Other plans of study must be approved by Interdisciplinary Study Review Committee

SAMPLE FOUR-YEAR PLAN for the BACHELOR OF SCIENCE IN APPLIED SCIENCE & ENGINEERING W/ TECHNOLOGY MANAGEMENT CONCENTRATION

Freshman Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
MATH 161 Calculus I.....	4	MATH 162 Calculus II.....	4
MECE 107 Engineering Graphics.....	2	PHYS 102 General Physics Engineering II.....	4
PHYS 101 General Physics Engineering I.....	4	ENGR 120 Numerical Computing.....	3
MECE 109 Introduction to Solid Modeling	2	ENGR 156 Intro to Engineering.....	2
HUMA 100 The Humanities: Christian Wisdom.....	1	Writing Requirement or HUMA Course.....	3
Writing Requirement or HUMA Course.....	<u>3</u>	General Electives.....	1
	16		17

Sophomore Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
CHEM 105 Chemistry for Engineers.....	4	MNGT 214 Business, Ethics, and Society.....	3
MECE 201 Fundamentals of Material Science	3	ENGR 216 Mechatronics I.....	3
ACCT 201 Principles of Accounting I.....	3	General Elective.....	3
HUMA Course	3	MNGT 103 Principles of Management.....	3
STAT 131 Statistical Methods I.....	<u>3</u>	HUMA Course	<u>3</u>
	16		15

Junior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
SSFT Course.....	2	ENGR 304 Design of Experiments.....	1
MNGT 204 Operations Management.....	3	General Elective.....	3
MECE 211 Mechanics I.....	3	HUMA Course	3
ENTR 304 Intellectual Property Protection.....	1	Foundations Social Science Course	3
BIOL 101 General Biology I.....	4	Technology Management Elective.....	3
Technology Management Elective.....	<u>3</u>	ENTR 303 Law for Entrepreneurs.....	<u>3</u>
	16		16

Senior Year

<u>Fall</u>	<u>Credits</u>	<u>Spring</u>	<u>Credits</u>
ENGR 401 Engineering Design.....	1	ENGR 452 Capstone Design Laboratory II.....	3
ENGR 451 Capstone Design Laboratory I.....	3	ENGR 402 Engineering Senior Seminar.....	1
Technology Management Electives.....	6	Technology Management Electives.....	6
General Elective.....	3	HUMA 300 Gospel and the Good Life: Christian Ethics.....	2
HUMA Course	<u>3</u>	General Elective.....	<u>4</u>
	16		16

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 this major.

TOTAL CREDIT HOURS REQUIRED = 128