Mathematics - Business
Bachelor of Arts (BS.MATH(BUS))

Core Requirements				Credits	Notes/Instructions
College Sem.		Quest for Meaning	CSEM 100	3	†A student may be required to take ENGL 105 and/or MATH 100 based on placement exams administered prior to their first semester at King's College. ENGL 105 and MATH 100 are 3-credit courses and will count as free electives.
Communication & Creative Expression		Writing	ENGL 110†	3	
		Oral Communication	COMM 101	3	
		Literature	ENGL 140-149	3	
		The Arts	ARTS 100-149	3	
Citizenship		History	HIST 100-149	3	††The Intercultural Competence requirement can be satisfied by taking a 100-level language class for 3 credits or participating in an approved Study Abroad experience. (See college catalog for more information)
		Intercultural	FREN/GERM/SPAN 100-level or Study Abroad††	3	
		Global Connections	ECON 150-199; GEOG 150-199; HIST 150-199; PS 150-199; SOC 150-199	3	
Quantitative & Scientific Reasoning	SBM	Quantitative Reasoning	MATH 120† or higher level	-	
	SBM	Scientific Endeavor	NSCI 100	-	
	SBM	Science in Context	NSCI 171-199	-	
	SBM	Human Beh. & Soc. Inst	**ECON 111**[2], 112; GEOG 101, 102; PS 101, PSYC 101, SOC 101	-	**SBM** = Satisfied By Major requirement(s) and credit(s) listed below.
Wisdom, Faith, & the Good Life		Introduction to Phil.	PHIL 101	3	
		Phil. Investigations[3]	**MSB 287**[3]	3	
		Theology & Wisdom	THEO 150-159	3	
		Theology & the Good Life	THEO 160-169	3	
			Total Core Credits	**36**	

Major Requirements	Credits	Major Requirements	Credits	Business Requirements	Credits
MATH 127[2,5]	3	CS 112	3	ECON 111[2]	3
MATH 129[5]	4	CS 111 or CS 120	3	ECON 112	3
MATH 130	4	Science Group[2,*]	3	ECON 221[4]	3
MATH 231[6]	4	Science Group[2,*]	3	MSB 110	3
MATH 235[6]	3	MATH Track**	3	MSB 120	3
MATH 250	4	MATH Track**	3	MSB 200	3
MATH 367	3	MATH Track**	3	MSB 210	3
MATH 425	3	MATH Track**	3	MSB 220	3
MATH 490	1	MATH Track**	3	Business Elective 1[7]	3
				Business Elective 2[7]	3
		Other Requirements			
		HCE 101 Holy Cross Exp.	1		
Total Major Credits	**29**	**Total Major and Other Credits**	**28**	**Total Elective / Other Credits**	**30**

Total Credits Required for Graduation = 123

*All students majoring in Mathematics must take one of the Science Groups below (lab portion not required):

Science Group 1*		Science Group 2*		Science Group 3*
CHEM 113	OR	PHYS 111	OR	PHYS 113 *(Calculus based)*
CHEM 114		PHYS 112		PHYS 114 *(Calculus based)*

**In addition to the above, each Mathematics Major must complete one of the following two tracks:

MATH Track 1 Graduate School		MATH Track 2 Actuary Science, Industry, and Government	
Students must take five (5) math courses numbered 300 or higher. Typical options are:		Students must take five (5) math courses numbered 300 or higher. The following (5) courses are recommended	
MATH 301	MATH 365	MATH 301	MATH 363
MATH 361	MATH 418	MATH 361	MATH 365
MATH 362	MATH 420	MATH 362	
MATH 363	MATH 391/491		

Mathematics – Business

Suggested Sequence

A suggested course sequence of degree requirements is listed below. Refer to the college catalog for course titles, descriptions, and prerequisites. Always consult your Academic Advisor when planning and scheduling your classes.

Fall	Credits	Spring	Credits
MATH 127[2,5] Logic & Axiomatics	3	MATH 130 Analytic Geometry & Calculus II	4
MATH 129[5] Analytic Geometry & Calculus I	4	MSB 120 Intro. to Management Accounting & Planning	3
MSB 110 Intro. To Financial Accounting	3	ECON 112 Intro to Microeconomics	3
ECON 111[2] Intro to Macroeconomics	3	CS 111[8] Program. for Sci. & Eng. or Core Course[1]	3
Core Course[1]	3	Core Course[1]	3
HCE 101 Holy Cross Experience	1		
	17		**16**

Summer	Credits		

Fall	Credits	Spring	Credits
MATH 231[6] Analytic Geometry & Calculus III	4	MATH 250 Linear Algebra	4
MATH 235[6] Discrete Mathematics	3	ECON 221[4] Statistics & Predictive Analytics	3
CS 112 Intro. to Programming	3	CS 111[8] Program. for Sci. & Eng. or CS 120 OO	3
Science Group[2,*]	3	Software Development or Core Course[1]	3
Core Course[1]	3	Science Group[2,*]	3
		Core Course[1]	3
	16		**16**

Summer	Credits		

Fall	Credits	Spring	Credits
MATH 367[9] Real Analysis I OR MATH 425[9] Abstract Algebra	3	MATH 490 Junior Seminar	1
MATH Track**	3	MATH Track**	3
MSB 200 Principles of Management	3	MATH Track**	3
Core Course[1]	3	MSB 210 Principles of Marketing	3
Core Course[1]	3	Core Course[1]	3
		Core Course[1]	3
	15		**16**

Summer	Credits		

Fall	Credits	Spring	Credits
MATH 367[9] Real Analysis I OR MATH 425[9] Abstract Algebra	3	MATH Track**	3
MATH Track**	3	Business Elective 2[7]	3
MSB 220 Financial Management	3	Core Course[1]	3
Business Elective 1[7]	3	Core Course[1]	3
Core Course[1]	3	Core Course[1]	3
	15		**15**

Total Credits Required for Graduation = 126

NOTES:

[1] Choose one course from each of the Core Requirements listed on the reverse side.

[2] Course may satisfy both a Major and a Core requirement.

[3] Students are encouraged to take MSB 287 – Business Ethics to fulfill the Philosophical Investigation Core requirement.

[4] MATH 362- Statistics may be substituted for ECON 221

[5] Courses intended to be taken concurrently. Do not delay taking MATH 127.

[6] Courses intended to be taken concurrently. Do not delay taking MATH 235.

[7] Mathematics students are encouraged to pursue the following Fall/Spring course sequences to fulfill the Business Elective 1 and 2 requirements:
- Technology Management: BUS 363/L – Operations Management with Lab and BUS 435 – Global Innovation, Technology & Entrepreneurship
- Manufacturing & Operations Management: MKT 385 – Global Supply Chain Management and BUS 363/L – Operations Management with Lab
- Accounting: ACCT 240/L – Intermediate Account I w/ Lab and ACCT 301 – Intermediate Accounting II

[8] CS 100 may be substituted for CS 111.

[9] MATH 367 is offered fall semesters odd years only and MATH 425 is offered fall semesters even years only.

[PR] Course has a prerequisite – check college catalog.