

To receive a bachelor's degree from Elizabethtown College, the student must earn a minimum of 125 credits. Some programs may require more than this minimum to complete all program requirements. (*See the program requirements for specific information.*) No more than one bachelor's degree is ever awarded to an individual by Elizabethtown College; however, students may complete a second major, a minor, or teacher certification subsequent to graduation. Some major courses may also fulfill Core requirements.

**Requirements for B.S. Degree  
Major in Mathematical Business  
Academic Year 2015 – 2016**

Name: \_\_\_\_\_

Advisor: \_\_\_\_\_

**Approved List of Electives:**

**Math and Computer Science (34 credits)**

	Credits	Grade	Term
MA 121 Calculus I	4.00	_____	_____
MA 122 Calculus II	4.00	_____	_____
MA 130 Creative Problem Solving I	2.00	_____	_____
MA 201 Linear Algebra	4.00	_____	_____
MA 222 Calculus III	4.00	_____	_____
MA 251 Prob and Statistics	4.00	_____	_____
MA 252 Stat Methods in Research	4.00	_____	_____
MA 331 Operations Research	4.00	_____	_____
CS 121 Intro to Computer Sci	4.00	_____	_____

MA 235 Intro to Mathematical Proofs	4.00
MA 255 Financial Mathematics	4.00
MA 262 Financial Mathematics with Excel	2.00
MA 351 Theory of Probability	4.00
MA 352 Mathematical Statistics	4.00
MA 457 Actuarial Models: Financial Economics	4.00
MA 458 Actuarial Models: Life Contingencies	4.00
MA 460 Numerical Methods with Matlab	2.00
MA 463 Adv Excel with Applications to Math	2.00
MA 470-474 Internship in Mathematics	0-8
MA 490 Research in Mathematics	0-4

**Business and Economics (24 credits)**

	Credits	Grade	Term
AC 101 Intro to Accounting	4.00	_____	_____
AC 270 Cost Accounting	4.00	_____	_____
BA 215 - OR – BA 265 BA _____	4.00	_____	_____
BA 325 Corporate Finance	4.00	_____	_____
BA 330 Legal Envir of Business	4.00	_____	_____
EC 101 – OR – EC 102 EC _____	4.00	_____	_____

CS 240 Information Systems	4.00
CS 309 Database Systems	4.00
CS 310 Web Development	4.00
CS 409 Advanced Database Systems	4.00
EC 309 Mathematical Economics	4.00
EC 410 Econometrics	4.00

*MA 170/370 Experiential Learning offerings upon approval by the Interdisciplinary Program Advisor.*

**Program Electives (12 Credits)**

	Credits	Grade	Term
MA _____	_____	_____	_____
MA _____	_____	_____	_____
MA _____	_____	_____	_____
MA _____	_____	_____	_____