Bachelor of Science in Applied Mathematics
Finance & Economics Option

Courses Required for the Degree

Course Prefix/Number	Course Title	Credit Hours
CSIT 121	Computer Science I	3
MATH 122	University Calculus 1	4
MATH 123	University Calculus II	4
MATH 210	Mathematical Structures and Proof	4
MATH 223	University Calculus III	4
MATH 224	Differential Equations	3
MATH 231	Linear Algebra	4
MATH 329	Mathematical Modeling	3
STAT 350	Probability and Statistics	3
MATH 365	Financial Mathematics	3
MATH 405	Senior Seminar	1
MATH/STAT Elective[1]		3
ECON 201	Principles of Macroeconomics	3
ECON 202	Principles of Microeconomics	3
ACCT 201	Financial Accounting	3
ACCT 202	Managerial Accounting	3
ACCT/BUAD/ECON elective	See list below	3
ACCT/BUAD/ECON elective	See list below	3
ACCT/BUAD/ECON elective	See list below	3
ACCT/BUAD/ECON elective	See list below	3
CHEM 115 and 125 or PHYS 230 and 232	General Chemistry I with Lab University Physics I with Lab	4 5

[1] Additional MATH or STAT courses numbered 311 or higher, as advised.

List of ACCT/BUAD/ECON electives:

ECON 300	Statistical Analysis	ACCT 303	Cost Management
ECON 305	Intermediate Microeconomic Theory	ACCT 304	Taxation I
ECON 310	Intermediate Macroeconomic Theory	ACCT 305	Taxation II
ECON 315	Money/Banking/Monetary Economics	BUAD 317	Corporate Finance I
ECON 350	Managerial Economics	BUAD 320	Managerial Finance
ECON 400	Econometrics & Business Applications	BUAD 416	Investment Analysis
ECON 410	Mathematical Economics	BUAD 418	Corporate Finance II

When MAED/MATH/STAT Courses Are Offered

1. The following courses are offered *every semester*:

   MAED 105/106, 310, 325; MATH 122, 123, 210, 223, 231, 341, 381, 405

2. The following courses are offered *every fall semester*:

   MAED 410, 417, 419; MATH 323, 329, 331; STAT 350

3. The following courses are offered *every spring semester*:

   MATH 125, 224, 420

4. The following course is offered *fall semester in odd-numbered years*:   MATH 375

5. The following course is offered *fall semester in even-numbered years*: MATH 322

6. The following courses are offered *spring semester in odd-numbered years*:

   MATH 332, 337, 365; STAT 351

7. The following courses are offered *spring semester in even-numbered years*:

   MATH 325, 335, 359; STAT 355

8. The following courses are offered *infrequently*:

   MATH 315, 423, 440

Sample Schedule

	Fall	**Spring**
Freshman	MATH 122 ECON 201	MATH 123 CSIT 121 ECON 202
Sophomore	MATH 210 MATH 223 ACCT 201	MATH 224 MATH 231 ACCT 202
Junior	MATH 329 STAT 350 ACCT/BUAD/ECON Elective	MATH 365 MATH/STAT Elective ACCT/BUAD/ECON Elective
Senior	ACCT/BUAD/ECON Elective	MATH 405 ACCT/BUAD/ECON Elective