Bachelor of Science in Applied Mathematics
Statistics/Operations Research 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
STAT 355	Mathematical Statistics	3
MATH 405	Senior Seminar	1
Applied MATH/STAT Elective[1]		3
Applied MATH/STAT Elective[1]		3
MATH/STAT Elective[2]		3
CHEM 115 and 125 or PHYS 230 and 232	General Chemistry I with Lab University Physics I with Lab	4 5

[1] Two of the following three courses: STAT 351 – Applied Statistics, MATH 359 – Probability Models in Operations Research, MATH 375 – Deterministic Models in Operations Research

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

Minor in a Field that Uses Statistics or Operations Research: _____

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 CSIT 121	MATH 123 PHYS 230/232
Sophomore	MATH 210 MATH 223	MATH 224 MATH 231
Junior	MATH 329 STAT 350	STAT 355 Applied MATH/STAT Elective
Senior	MATH/STAT Elective	MATH 405 Applied MATH/STAT Elective