

Bachelor of Science in Applied Mathematics Physics Option

Courses Required for the Degree

Course Prefix/Number	Course Title	Credit Hours
CSIT 121	Computer Science I	3
MATH 122	University Calculus I	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 325	Numerical Analysis	3
MATH 329	Mathematical Modeling	3
STAT 350	Probability and Statistics	3
MATH 405	Senior Seminar	1
MATH/STAT Elective ¹		3
PHYS 230	University Physics I	4
PHYS 231	University Physics II	4
PHYS 232	University Physics I Lab	1
PHYS 233	University Physics II Lab	1
PHYS 234	Modern Physics	4
PHYS 331 or PHYS 333	Theoretical Mechanics or Electricity and Magnetism	3
PHYS 425	Mathematical Physics I	3
PHYS 426	Mathematical Physics II	3

¹ Additional MATH or STAT courses numbered 311 or higher, as advised. Cooperative Engineering students on the 3-2 plan may count PHYS 324 Circuit Analysis II as MATH/STAT elective.

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 PHYS 231/233	MATH 224 MATH 231 PHYS 234
Junior	MATH 329 STAT 350 PHYS 331	MATH 325 MATH/STAT Elective
Senior	PHYS 425	MATH 405 PHYS 426