Advising Course Plan - Applied Mathematics Major - Physics Concentration

First Year

Fall		Units
MATH 142Q[1]	Calculus II with Analytic Geometry	1
FSEM 100	First Year Seminar	1
PHYS 141P	University Physics I	1
Elective		1
Term Units		**4**

Spring		
MATH 211Q[1]	Linear Algebra	1
CSCI 141 or 261[1,2]	Introduction to Computer Science I Data Science I	1
PHYS 142P	University Physics II	1
Elective		1
Term Units		**4**

Second Year

Fall		
MATH 243Q[1]	Calculus III with Analytic Geometry	1
MATH 221Q[3]	Introduction to Logic and Proof	1
General Education requirement		1
Elective		1
Term Units		**4**

Spring		
MATH Elective[4]		1
PHYS 304	Mathematical Methods in Physics	1
General Education requirement		1
Elective		1
Term Units		**4**

Third Year

Fall		
MATH 321[5]	Ordinary Differential Equations	1
PHYS Elective[6]		1
Junior Seminar		1
General Education requirement		1
Term Units		**4**

Spring		
MATH Elective[4]		1
General Education requirement		1
Elective		1
Elective		1
Term Units		**4**

Fourth Year

Fall		
PHYS Elective[6]		1
MATH 498	Senior Project I	1
General Education requirement		1
Elective		1
Term Units		**4**

Spring		
MATH 499	Senior Project II	1
General Education requirement		1
Elective		1
Elective		1
Term Units		**4**

Total Unit: 32

[1] Course is offered every fall and spring semester
[2] CSCI 261 is offered annually, either fall or spring semester
[3] MATH 221Q is offered every fall semester
[4] Select one of the following courses: MATH 312, MATH 361, MATH 371, MATH 372, MATH 411, or MATH 422. Math electives are offered every two years. Please check with the Mathematics Department for details on course sequencing.
[5] MATH 321 is offered annually, either fall or spring semester
[6] Select one of the following courses: PHYS 322, PHYS 332, or PHYS 343.