

APPLIED MATHEMATICS, ENGINEERING, AND PHYSICS, BS AMEP

FOUR-YEAR PLAN

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This Four-Year Plan is only one way a student may complete an L&S degree with this major. Many factors can affect student degree planning, including placement scores, credit for transferred courses, credits earned by examination, and individual scholarly interests. In addition, many students have commitments (e.g., athletics, honors, research, student organizations, study abroad, work and volunteer experiences) that necessitate they adjust their plans accordingly. Informed students engage in their own unique Wisconsin Experience by consulting their academic advisors, Guide, DARS, and Course Search & Enroll for assistance making and adjusting their plan.

PROGRAM EXPECTATIONS

AMEP students come to UW-Madison with a wide range of mathematics preparation. Please see Advising and Careers (<https://guide.wisc.edu/undergraduate/letters-science/mathematics/applied-mathematics-engineering-physics-bs-amep/#advisingandcareerstext>) for more information and alternative plans.

First Year

Fall	Credits Spring	Credits
PHYSICS 247	5 Communication A	3
MATH 234	4 MATH 320 (honors)	3
CHEM 109	5 PHYSICS 248	5
Foreign Language 1	4 Foreign Language 2	4
	18	15

Second Year

Fall	Credits Spring	Credits
MATH 321	3 INTER-LS 210	1
PHYSICS 249	4 MATH 322	3
PHYSICS 311	3 PHYSICS 322	3
Humanities Breadth	3 Core Math Elective 2	3
Core Math Elective 1	3 Humanities Breadth	3
	Biological/Social Science or Humanities	3
	16	16

Third Year

Fall	Credits Spring	Credits
Core Math Elective 3	3 Core Physics 2	4
Physics Elective 1	4 Core Physics 3	4
Lab Experience	2-4 Computational Experience	3
Humanities/Social Science Breadth	3 Engineering 1	3

Ethnic Studies/Social Science Breadth	3	
	16	14
Fourth Year		
Fall	Credits Spring	Credits
Communication B	3 Engineering courses	9
Engineering Courses	12 Humanities Breadth	3
	Electives	3
	15	15
Total Credits 125		