

# APPLIED MATHEMATICS, ENGINEERING, AND PHYSICS, BS AMEP

## HOW TO GET IN

### HOW TO GET IN DECLARATION REQUIREMENTS

Because admission into AMEP is internal to UW–Madison, a student must be admitted to UW–Madison or already be a UW–Madison student to join AMEP.

Freshmen and transfer students are encouraged to meet with an advisor to declare AMEP as soon as possible after joining UW–Madison. AMEP is math- and physics-intensive and it is important to complete the introductory calculus and physics sequences as early as possible in order to progress to the more challenging core 300-level mathematics and physics courses. Continuation into the program requires satisfying the following minimum GPA requirements in introductory mathematics and physics:

- Complete MATH 221, MATH 222, and MATH 234 with at least a 2.75 GPA.
  - MATH 375 and MATH 376 (together) may be substituted for MATH 234.
- Complete PHYSICS 247, PHYSICS 248, PHYSICS 249 with at least a 2.75 GPA.
  - For alternate Introductory Physics courses, see the Requirements (<https://guide.wisc.edu/undergraduate/letters-science/mathematics/applied-mathematics-engineering-physics-bs-amep/#requirementstext>) tab.

UW–Madison students who wish to declare AMEP after completion of some or all of the above introductory courses are subject to the same GPA requirements.

Finally, students who have accrued 86 or more credits will be admitted to the AMEP program only if:

- the student has above a 2.000 GPA in both the general and upper-level quality of work requirements (see Requirements (<https://guide.wisc.edu/undergraduate/letters-science/mathematics/applied-mathematics-engineering-physics-bs-amep/#requirementstext>)) and
- the student has fewer than 60 outstanding credits needed to complete the BS-AMEP degree.

### DECLARING THE APPLIED MATHEMATICS, ENGINEERING, AND PHYSICS UNDERGRADUATE DEGREE PROGRAM

Any student who is interested in the AMEP program should meet with a program advisor as soon as possible. The advisor will help the student negotiate pre-AMEP status and eventually assist in declaration for the

program. In general, this should be the AMEP academic advisor or an AMEP math faculty advisor.

Advising information can be found in the Advising and Careers (<https://guide.wisc.edu/undergraduate/letters-science/mathematics/applied-mathematics-engineering-physics-bs-amep/#advisingandcareerstext>) tab.

Students pursuing the BS-AMEP degree are not eligible to declare the following programs:

- Mathematics for Physical and Biological Sciences named option of the Mathematics major
- Mathematics certificate
- Physics certificate