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### Memorandum

To: Academic Advisors and Transfer Credit Officers  
Re: University Course Credit at the Mass Academy of Mathematics and Science  
From: Michael G. Barney, Director, Mass Academy of Mathematics and Science  
Date: June, 2017

At the Mass Academy of Mathematics and Science, a full-year of university course-work, twelve courses, completed at Worcester Polytechnic Institute, comprises the senior year.

Among the twelve courses,

- Four must be mathematics (typically Calculus I-IV),
- Four must be science (typically chemistry, biology, physics, computer science or engineering) and
- Four must be humanities (of these, two must be in English literature and/or composition and one in US History, if the latter was not taken earlier in the high school career).
- The students also complete a 100 hour senior project, 2 terms of physical education, and a minimum of 50 hours of community service during senior year.

The Academy challenges high-ability youth with a year at a nationally ranked engineering university, which exceeds AP programs. The Mass Academy model is unique in Massachusetts and is a member of the National Consortium of Secondary STEM Schools [www.ncsss.org](http://www.ncsss.org).

For the record, Academy students who matriculate at WPI after graduation from the Academy immediately receive sophomore standing. Therefore, the Academy encourages colleges and universities that are calculating transfer credit and advanced standing to utilize the twelve mathematics, science, and humanities courses in their credit awards as well. Please refer to the Mass Academy profile on our website <http://massacademy.org> for a full summary of our program.

Thank you for your consideration.