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**Karen M. Bliss\*** ([blisskm@vmi.edu](mailto:blisskm@vmi.edu)). *Preparing for the workforce through integration of technology, modeling, and writing.*

In recognition of the fact that Virginia Military Institute has very few math majors moving on to graduate school, we have shifted our attention away from a pure curriculum to an applied mathematics program. This talk will focus on changes to our differential equations course and how we use modeling competitions. Both are designed to encourage students to think beyond the academic environment and both incorporate components of technology and writing with a focus on audience. (Received September 06, 2019)