

1163-01-1467      **Brit Shields\*** ([bshields@seas.upenn.edu](mailto:bshields@seas.upenn.edu)). *Mathematics within an Engineering Education: The Second World War US Engineering, Science, and Management War Training Program.*

During the Second World War, the US Office of Education sponsored the education of American citizens to serve the industrial and engineering demands of the war effort. These emergency training programs were run on college and university campuses across the country. Within the broad range of disciplines, mathematics played an important role as a fundamental subject. This talk will explore how mathematics became an important part of this training program and how the mathematics courses taught through this program created new career opportunities and trajectories for both their instructors and students. (Received September 15, 2020)