During the Second World War, the US Office of Education embarked upon a massive effort to train – and retrain – engineers for the war effort. Under the Engineering, Science and Management War Training Program, courses were developed at hundreds of universities and colleges spanning the country. An important component of the scientific training of engineers was a strong mathematical foundation. This talk will examine how mathematics was seen as a vital part of the war effort through the lens of training engineers in various regions of the country and tailored for various war related industries. (Received September 16, 2019)