Program Description:

The graduate certificate program in Applied and Computational Mathematics will provide students from diverse backgrounds well-rounded training in core mathematical and computational skills useful for careers in research, teaching, or industrial work in which advanced mathematics or large-scale computation is used in an essential way. The successful students will acquire strong competences in mathematical modeling and analysis, numerical algorithms development, and computational programming.

Admittance Criteria:

Admission to this certificate program is open to all qualified students holding bachelor’s degrees in various fields such as engineering, natural science, and secondary education. Prerequisites to admission include Matrix Algebra (MATH 3323 or MATH 4326) and Differential Equations (MATH 2326), or their equivalents, with a minimum grade of “B” in both classes.

Courses:

This certificate program requires the completion of 15 credit hours of courses. This includes 1 required course, MATH 5329 Numerical Analysis, 3 elective courses from a prescribed list, and a 3 credit hour course approved by the graduate advisor.

UTEP Graduate College:

http://graduate.utep.edu/degrees_current.html