

Name of Program: Mathematics

Program Mission

The mathematics program strives to fulfill Peru State College's mission of education, research and public service through three objectives. First, the program is to provide general mathematics courses in support of the majors and programs provided by Peru State College. Second, the program is to provide mathematics courses necessary for students who pursue teaching careers in mathematics. Finally, the program is to prepare students for work in industry or to pursue graduate work in mathematics and statistics.

Program Goals

The department wishes to develop the following capabilities in the student as they relate to the colleges mission and objectives.

- A. The student will have ability to read mathematics with understanding as well as the ability to communicate mathematical ideas with clarity and coherence through writing and speaking;
- B. The student will be able to formulate a logical argument and construct a simple proof;
- C. The student will maintain and develop a proficiency in algebra, calculus, geometry, statistics and higher mathematics;
- D. The student will be able to apply their knowledge and critical thinking through exploration, conjecture, and generalization in mathematics and statistics;
- E. The student will be able to use computer technology to support problem solving and to promote understanding of mathematical ideas.