

College: College of Liberal Arts & Sciences

Department: Fariborz Maseeh Department of Mathematics and Statistics

Program: Mathematics

Degree: Bachelor's

The BA/BS in Mathematics and the Minor in Mathematics prepares students to:

LO1: Proof and Logical Systems. Demonstrate mathematical reasoning skills (i) through proficiency in the use of mathematical logic and language, functions, and algorithms; (ii) by developing formal proofs to support conclusions; and (iii) through familiarity with common mathematical objects and systems.

LO2: History and Context. Show an ability to make connections and applications of mathematics in other disciplines, and demonstrate a familiarity with the historical or social contexts of the subject.

LO3: Models and Data in Real-World Problem-Solving. Demonstrate the ability to analyze and solve problems, making supportable conclusions using appropriate data and statistical techniques, and through the use of mathematical models and/or simulation of concrete situations and real phenomena.

LO4: Technology and Computation. Show proficiency in the use of computation to conduct mathematical explorations and to solve problems, while being aware of the limitations of such technology.

LO5: Communication and Teamwork. Be able to work as part of a team to analyze mathematical problems, and to communicate mathematics effectively to peers, as well as to people with less mathematical background.

2/10/2020 (bcs)

To update this information, please contact Brian Sandlin in OAA at bsandlin@pdx.edu.