# MINOR IN MATH

Mathematics and mathematical abilities are important to all areas of our society. Indeed, mathematics is extensively used throughout all disciplines, including pharmacy and the health sciences. The study of mathematics integrates analytical, problem-solving, and communication skills, and aid the student in applying them towards solving a wide variety of problems using appropriate computational tools. The minor in mathematics is appropriate for all ACPHS students looking to broaden their mathematical horizons.

## MINOR IN MATH REQUIRED COURSES

This is an 18-credit minor in mathematics that is open to all students. The required courses are this 3-course sequence in Calculus (11 credits) and a capstone experience (1 credit) that involves the student in an independent study or research project that is related to a previous course.  The remaining credits (6 credits) are chosen from a number of previously approved courses.

To successfully complete this minor, a net minimum GPA of 2.5 must be achieved in minor coursework.

**Calculus Sequence:  11 required credits**
MAT 111: Calculus or MAT 121 Calculus I (4)
MAT 211: Calculus II (4)
MAT 235: Differential Equations (3)

**Capstone Course: 1 required credit**
MAT 490: Independent Study or Research in Mathematics and Computation (1 credit).

**Additional Coursework: 6 required credits**
6 credits may be selected from the following courses:
   MAT 290: Independent Study or Research in Mathematics and Computation (variable credits), ECN 325: Econometrics (3), MAT 380: Topics in Mathematics and Computation (variable credits), MAT 490: Independent Study or Research in Mathematics and Computation (variable credits), MAT 610: Statistical Inference and Modeling (3)*, PSC 672: Experimental Design and Data Analysis (2)*, PAD 636: Statistical Programming (3), PAD 693: Epidemiology (3), Other 200-level or higher courses containing a significant mathematical or computational component approved by the minor coordinator.

      *may not receive credit for both MAT 610 and PSC 672

Students can declare this minor as soon as the semester during which they are enrolled in their first 200-level or higher course towards the minor, and should declare it no later than the end of the add-drop period of the last semester before graduation.  It is strongly recommended that students in this minor complete Calculus II by the end of their second year of study. Prior credit transferred to ACPHS at the time of admission may be used to satisfy minor requirements.

*8/10/16*