

## **Computational and Applied Mathematics PhD.**

### **Mission:**

The goal of the PhD program in the Computational and Applied Mathematics is to educate students who are interested in various areas of Mathematical Sciences with the state-of-the-art information in Computation, Simulation, Modeling and Mathematical Analysis. The program is designed to produce a scientist who is competent to hold a position in the academics or with the industries in a research and development group. PhD students are required to achieve a higher level of subject matter expertise than MS students. PhD students are also required to complete and defend a PhD dissertation comprising original research and representing a significant contribution to the field.

The doctoral program in computational and applied mathematics offered by the Department of Mathematics and Statistics are designed to produce applied mathematicians and statisticians who can meet the growing demand for analytical and computational skills in traditional scientific and multi-disciplinary fields. These are rigorous academic programs that align with the university's mission to serve its students, enrich the Commonwealth, the nation and the world. Our research is conducted through strategic partnerships with NASA, VMASC, EVMS, and other institutions. Our faculty members and graduate students are active in civic engagement through volunteer work, conferences and symposia, and community outreach efforts. This also aligns with the mission of the College of Sciences to produce graduates and research results that meet the needs of the Eastern Virginia region, the state, the nation and the world.