



## College of Engineering and Computational Sciences Applied Mathematics and Statistics

### Bachelor of Science in Applied Mathematics and Statistics

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➤ **This degree is different from the existing B.S. in Mathematical and Computer Sciences degree (BS-MCS)**

- ✓ The **streamlined** BS-AMS will ask students to concurrently take:
  - MATH213-Calculus III and MATH225-Differential Equations
  - MATH332-Linear Algebra and MATH323-Probability and Statistics
- ✓ The BS-AMS **will require all students** to take MATH335-Mathematical Statistics, MATH424-Applied Statistics, MATH454-Complex Analysis and MATH455-Partial Differential Equations.
- ✓ The BS-AMS will introduce the **new course and requirement** MATH307-Applied Numerical Methods.
- ✓ The BS-AMS will **no longer require** students to take CSCI262-Data Structures, MATH440-Parallel Computing and MATH441-Computer Graphics. However, past CSCI261-Programming Concepts, **an additional computing course is required.**
- ✓ See the associated curriculum overview for the explicit differences

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