

## Course Advice for Applied Math Students Interested in Data Science

If you are an applied math student thinking about a career in data science, we recommend you build up your skills in linear algebra, computation and statistics. Here are some courses for you to consider (all of which can count as a correlate or option) in order to build up these skills:

- CSC 230: Computer Science II: Data Structures
- MAT 315: Topics in Linear Algebra
- MAT 341: Computational Math
- CSC 335: Analysis of Algorithms (note that CSC 271 is a ½ unit prerequisite)
- \*STA 305: Regression Analysis
- \*STA 306: Applied Multivariate Analysis
- \*STA 307: Data Mining
- \*STA 404: Bayesian and Computational Statistics (note that MAT 316 is a prerequisite)

\*At most two statistics courses can count towards the applied math specialization