

# ANALYTICS

## Associate in Science

With an explosion of big data initiatives in organizations worldwide, the demand for data-savvy individuals has never been higher. A transfer program has been developed in consultation with the Analytics Department at UNH - Manchester as GBCC's Analytics program is designed to meet many Baccalaureate requirements including the computer programming, mathematics, and database skills essential to complete a 4-year degree. Upon completion, students will be in a strong position to complete the remainder of the Bachelor of Science degree with two years of additional study. Other degrees students may wish to pursue include a B.S. in Math/Computer Science or B.S. Statistics.



The Associate in Science degree in Analytics is more than just a transfer degree. Students who complete the degree will be in a position to be employed as a junior data scientist. Job experience and domain expertise will allow the person to gain more ability to advance his/her career beyond simply junior and entry-level status.

### Career Possibilities

Job Title	Average Salary
Mathematicians	\$34,700
Statistical Assistant	\$37,000
Statisticians	\$66,100
Teacher - Mathematical Science	\$70,000

The careers listed above may require additional education beyond an Associates Degree. For more information about the outlook and trends, please visit the Bureau of Labor Statistics: [www.bls.gov](http://www.bls.gov).

### READY TO TAKE THE NEXT STEP?

Apply today: [greatbay.edu/admissions](http://greatbay.edu/admissions)  
[gbadmissions@ccsnh.edu](mailto:gbadmissions@ccsnh.edu) | (603)427-7600  
 320 Corporate Drive  
 Portsmouth, NH 03801

## Your Road to Success

### 65 CREDITS TO COMPLETE

#### ANALYTICS CURRICULUM:

- BUS 110 G - Intro to Business
- CIS 148G - Intro to Java Programming
- CIS 177G - Intro to Python
- CIS 210G - Data Structures with Elementary Algorithms
- DATA 210G - Elements of Data Science
- DATA 220G - Intro to Data Analysis with R
- DATA 225G - Analytics Capstone
- MATH 235G\* - Statistics for Engineers & Scientists
- MATH 245G - Linear Algebra
- MATH 250G - Calculus II

#### GENERAL EDUCATION CURRICULUM:

- FYE 101G - First Year Seminar
- CIS 112G - Intro to Object Oriented Programming
- CIS 113G - Database Design & Management
- ENGL 110G - College Composition
- ENGL 215G - Writing Technical Documents
- MATH 210G - Pre-Calculus
- MATH 230G - Calculus I
- SOC 120G - Society & Technological Change
- Lab Science Elective
- Foreign Lang./Humanities/Fine Arts Elective\*\*

\*IF MATH 150G is needed, students should take the course Summer prior to first semester

\*\*ARTS 125G Visual Language is preferred

Courses are subject to change. Please refer to Catalog for suggested pathway.



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