

AU Project 2030

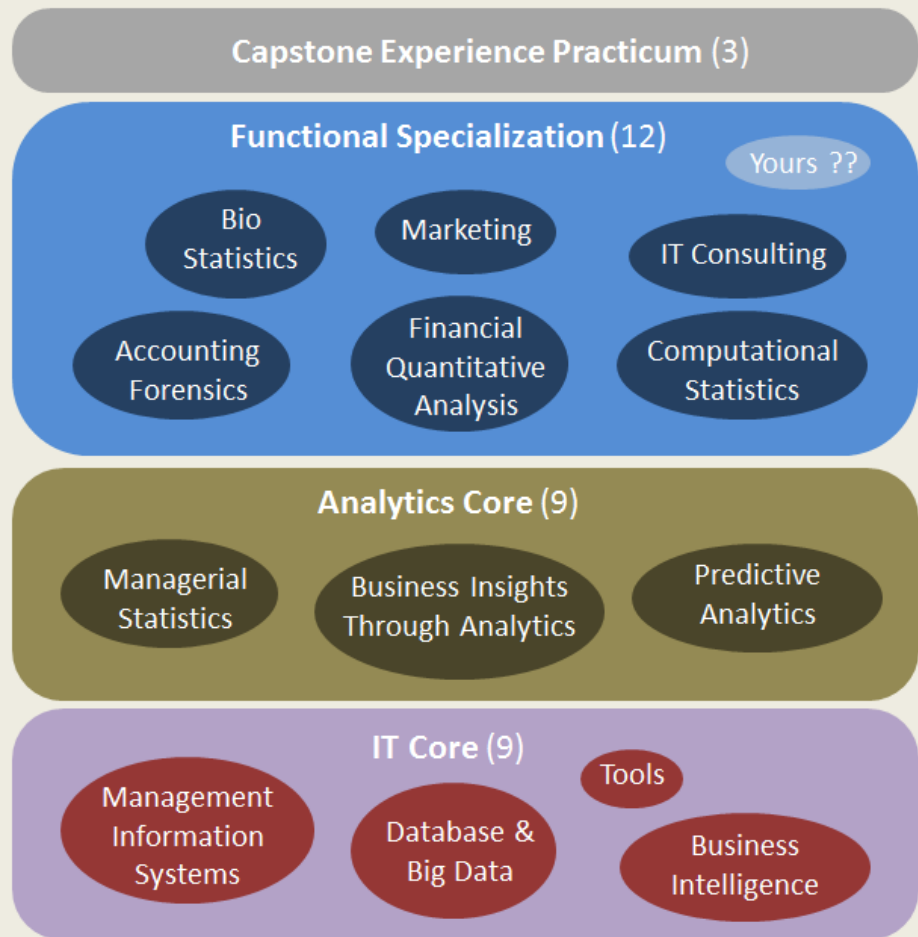
Big Data, Analytics and Applied Data Science

Project Objective: To enhance AU's capabilities in applied data science, through increased focus on research and education in big data, analytics and applied data science across various disciplines.

MS in Analytics

Learning Objectives

The main learning objective of this program is to give students the knowledge and skills to: (1) formulate an organizational problem; (2) identify the data necessary to analyze the problem; (3) select the most appropriate methods and tools to conduct the analysis; and (4) make data driven decisions based on the results of this analysis. The program was designed to provide a framework in which students are not only trained on quantitative and analytical skills, but also on a functional domain of specialization to enhance the students' ability to better understand how to conduct analysis in that domain.



Progress Highlights

- **Curriculum highlights:** BoT approved new cross-school MS in Analytics to launch in the Fall of 2015 led by Kogod; Functional specializations developed by Kogod and CAS; SPExS developing a program in Health Service Administration and Data Analytics
- **Faculty recruitment and searches:** Michael Baron, Carroll Professor of Mathematics and Statistics; Stefan Kramer, Data Librarian; faculty searches underway at Kogod, SOC and Computer Science; Prof. Frank Armour appointed Director of MS in Analytics
 - **Other initiatives:** Proposal developed by Kogod for a Center of Applied Data Science
- **Research highlights:** Ed Wasil (Kogod) using analytics to test accuracy of cancer diagnostics; Derrick Cogburn (SIS) conducting research using big text data of transcriptions of political speeches