

BUSINESS INTELLIGENCE TRACK

OVERVIEW

Have you ever shopped with Amazon and wondered how they made the recommendations and offers that they give you? Or wondered how Google ranks and customizes the webpages it shows when you do a search? Or how a bank could make a decision for approving a loan application almost instantly? Business Intelligence (BI) and analytics is the answer to these and thousands of other questions. Companies recognize that BI is critical for them to compete effectively, and they use it in all facets of their organizations. The Business Intelligence track in IT at CM is designed to prepare students to understand methods and software used for BI and analytics, to undertake analyses of big data, and to become professionals in this area after graduation. BI is one of four track options available in the Information Technology Major.

CAREER PATH

As organizations have become increasingly aware of the capabilities offered by BI and analytics, the number of jobs for professionals who have technical and managerial skills for BI has grown dramatically. As the use of BI increases and current trends such as mobile BI, BI for “big data”, and BI in the cloud become a reality, the number of job openings and the need for skilled professionals in this field will only continue to expand. Students graduating with the BI track can expect to find jobs in businesses, government agencies, and non-profit organizations. Students may assume job titles like BI Developer, Business Analyst, Data Warehousing Specialist, Predictive Modeling Analyst, or Project Manager.

TRACK REQUIREMENTS

Five courses to complete concentration (15 credits)

THREE REQUIRED COURSES:

- IT 370 Business Intelligence
- IT 471 Data Warehousing
- IT 472 Data Mining

SELECT TWO ELECTIVE COURSES:

- IT 360 Enterprise Software
- IT 428L Information System Security
- IT 456 Storage Management
- IT 460 Integration Methodologies and Tools
- IT 461L Systems Analysis and Design
- MSIS 422 Decision Support Systems
- MSIS 426 E-Business and E-Commerce
- MSIS 427 Knowledge Management