Major Fact Sheet

Mathematics: Computational and Applied – Data Analytics & Business Intelligence Concentration, B.S.

The undergraduate mathematics program offers a diversity of courses designed not only to enable the student to pursue a profession in mathematics itself, but also to enhance the student's competence in the fields of engineering, the physical sciences, the life sciences, and the social sciences. The program emphasizes the broad nature of modern mathematics and its close associations with the real world and prepares students for careers in industry or secondary education, as well as entry into graduate school.

Example Four Year Plan

Year 1		
Fall	**Spring**	**Summer**
Supporting Science and Lab (CHM, BSC, EVR, PHY)	STA 2023: Introductory Statistics I	Enhanced Gen-Ed: Human/Cultural Diversity
MAC 2311: Calculus I**	MAC 2312: Calculus II	Non-Major Elective
ENC 1101: Composition 1	ENC 1102: Composition 2	
Core Humanities	Enhanced Gen-Ed: Info & Data Literacy	
Total Hours: 14	Total Hours: 13	Total Hours: 6
Year 2		
Fall	**Spring**	**Summer**
MAC 2313: Calculus III	MAP 2302: Differential Equations	Upper-Level Non-Major Elective
STA 3024: Introductory Statistics II	STA 4102: Computation Methods for Applied Statistics	Upper-Level Non-Major Elective
ECO 2013: Core Social Sciences	ECO 2023: Enhanced Gen Ed: Creative Thinking	
ACG 2021: Principles of Financial Accounting	Non-Major Elective	
Non-Major Elective		
Total Hours16	Total Hours12	