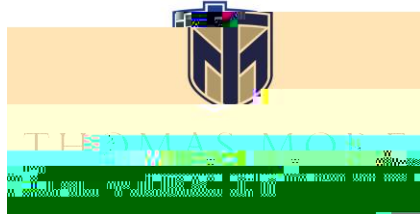# Computer Information Systems

Dual-Credit Pathway

Pathway Description:

Computer Information Systems has emerged as a professional discipline in recent years and the importance of computer technology in science, business and our daily lives is well recognized. The program is structured to prepare students for graduate school or employment in the business sector. The program emphasizes skills and professional practice set in the context of an integrated liberal arts education. An optional cooperative educational program is available to provide additional related

- o Description: Expand the basic programming concepts introduced in CIS114 Introduction to Programming. Introduce advanced concepts - inheritance, polymorphism, abstract classes, exception handling, and the use of graphical user interfaces. Gain more practical experience by designing and writing applications.
- CIS 231: Foundations of Networking
  - o Prerequisite: MIS 113
  - o Description: An introduction to digital communications, local area networks, wide area networks, inter networks, error handling, and network security. This course will have a strong "hands-on" component.
- MIS 320: Database I
  - o Prerequisite: MIS 113
  - o Description: Introduction to database concepts for modern database design. Topics