Management Information Systems (MIS)

The MIS degree focuses on the business applications of information technology. This includes emphasizing necessary skills required in the analysis, development, evaluation and implementation of various information and communication technologies critical for today’s global organizations. The integration of information technology throughout all aspects of business coupled with the critical need for responsive information systems has created a strong demand for graduates with expertise in information systems and business administration.

Once MIS students satisfy the first two tiers of requirements mentioned above, they will focus on specialized courses in areas such as systems analysis and design, web and mobile app development, database design and management, data science techniques and applications, data communications and cybersecurity, among other relevant areas.

Data Science

The data science option allows developing aptitudes in quantitative tools that are especially critical in today’s data-driven organization. Additional course work in statistics, and descriptive, predictive and prescriptive analytics is possible with a Data Science option.

Information Assurance

The Information Assurance option uses the expertise in the department that led OSU to be named a National Center of Academic Excellence in Information Assurance Education and Research by the NSA and the Department of Homeland Security. This option provides students with in-depth study and hands-on analysis of critical organizational issues in information assurance and cybersecurity.