

# Information Systems (ISYS)

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**ISYS 5347** Infor Systems & Bus Analytics **3 SCH (3-0)**

This course provides an understanding of issues related to management information systems; the concepts and applications of methods and models to support the managerial decision-making process. Focus is on the understanding of knowledge management, data warehousing, data mining, predictive and prescriptive analytics.

**ISYS 5351** Databases & Data Warehousing **3 SCH (3-0)**

Database design with emphasis on the Relational Database Model. Concepts on data warehousing and on-line analysis processing (OLAP) and the differences between operational database systems and data warehouses are covered. Prerequisite: ISYS 5347.

**ISYS 5352** Exp. Data Analysis & Visual **3 SCH (3-0)**

Explore data and data sources. Find, extract, understand, process, aggregate, and summarize data for further analysis and model definition utilizing established procedures and methods, including tabular and visualization reports. Prerequisite: ISYS 5347.

**ISYS 5353** Predictive Analytics **3 SCH (3-0)**

Explore data mining techniques for efficient data retrieval and process. Learn to identify and discern the right predictive analytic techniques for diverse business problems. Students will be exposed to analytics software. Prerequisite: ISYS 5347.