

BAS 330 : Management Information Systems

Credits 5

Quarter Offered Winter

The discipline of Management Information Systems (MIS) bridges the gap between computer science disciplines and business disciplines such as marketing, strategic management, and finance among others. The term Management Information Systems encompasses a multitude of definitions depending on the source. The definition applied in this course is that MIS consists of technologies and processes that are used to collect and analyze data, convert it into information, on which a decision can be made, and then disseminate the information to the appropriate people in an organization. This course will focus on such topics as information technology (IT) infrastructure, Enterprise Applications, databases as decision support systems, and others. This class may include students from multiple sections.

Must be seeking a Bachelor of Applied Science degree to enroll. If interested, visit pencol.edu/bas

Prerequisites

Bachelor's Program Admittance

Course Outcomes

Understand how and where data is stored and how to access it including fundamental data concepts, database structures, types of databases, data warehouses, and database management.

Analyze and synthesize the three types of searches for data, based on Simon's four phases of decision making, including unstructured, structured adhoc, and structured continuous.

Assess the importance of computerized decision support systems.

Understand and apply information types to assess the data and convert it into information.

Assess the impact of information on the organization and communicate information via easily understood formats including reports and dashboards.