MSC—MANAGEMENT SCIENCE

COLLEGE OF BUSINESS ADMINISTRATION

MSC U201 Business Statistics 4 SH
Provides students with the necessary skills to collect, summarize, analyze, and interpret business-related data. Covers the basic language and concepts of statistics including the sources and methods of data collection, useful numeric and graphic summaries, variability, data distributions, sampling and sampling distributions, and basic ideas of statistical inference, relationships between variables, and formulating and testing hypotheses. Also explores how to build prediction and forecasting models for chosen variables using related variables, such as time. Statistical software tools, learning aids, and sources on the Internet are used. Students conduct a semester-long data analysis project, and they practice communicating their findings via written reports.

MSC U401 Operations Management 4 SH
Considers the productive system of an enterprise whereby inputs of people, materials, information, and technology are transformed into useful goods and/or services. Topics include types of production processes, process flow analysis, capacity analysis, inventory and quality management, and so on. Provides an overview of the problems and issues encountered by an operations manager. Although a variety of models and techniques are discussed, the emphasis is on the problem formulation, managerial implication, and the impact on operations strategy. Prereq. MSC U201 and sophomore standing or above.

MSC U409 Operations Management 4 SH
Does not count as credit for business majors. Counts as MSC U401 for business minors only. Prereq. ACC U201 or ACC U209.