BUSINESS: MANAGEMENT INFO SYS (BMIS)

BMIS 191 - Special Topics. 1-6 Credits.
(R-6) Offered intermittently. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

BMIS 192 - Independent Study. 1-3 Credits.
(R-3) Offered every term. Prereq., consent of instr. Course material appropriate to the needs and objectives of the individual student.

BMIS 270 - MIS Foundations for Business. 3 Credits.
Offered every term. Prereq., WRIT 101. Introduces the development, use, and management of computer-based information systems.

BMIS 291 - Special Topics. 1-6 Credits.

BMIS 292 - Independent Study. 1-3 Credits.
(R-3) Offered every term. Prereq., consent of instr. Course material appropriate to the needs and objectives of the individual student.

BMIS 298 - Internship. 1-3 Credits.
(R-3) Offered every term. Extended classroom experience which provides practical application of classroom learning during placements within the business community. The student must complete a learning agreement with a faculty member, relating the placement opportunity to his or her field of study. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.

BMIS 326 - Introduction to Data Analytics. 3 Credits.
Offered autumn and spring. Prereq., STAT 216 or SOCI 202 or PSYX 222 or FORS 201. This course introduces the terminology and application of big data and data analytics. Students will complete cases in a variety of disciplines as they become acquainted with some of the software, tools, and techniques of data analytics.

BMIS 365 - Business App Development. 3 Credits.
Offered autumn and spring. Prereq., junior standing in Business. Provides an understanding of algorithm development, programming, computer concepts and the design and application of data and file structures.

BMIS 370 - Managing Information and Data. 3 Credits.
Offered autumn and spring. Prereq., junior standing in Business. Managing and exploiting organizational data and information. Designing data and information models.

BMIS 372 - Information Infrastructures. 3 Credits.
Offered autumn. Prereq., junior standing in Business. Explores the evolution of technological infrastructures with an emphasis on strategic implications. Students develop an enterprise infrastructure and then examine innovations that allow for the design and development of products and services in a global business environment.

BMIS 373 - Business System Analy & Design. 3 Credits.
Offered autumn and spring. Prereq., junior standing in Business. Provides an understanding of the systems development and modification process, including requirements determination, logical design, physical design, test planning, implementation planning and performance evaluation.

BMIS 391 - Special Topics. 1-9 Credits.
(R-9) Offered intermittently. Prereq., junior standing in Business or consent of instr. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

BMIS 392 - Independent Study. 1-6 Credits.
(R-6) Offered every term. Prereq., junior standing in Business and consent of instr.

BMIS 394 - Undergraduate Seminar. 1-3 Credits.
(R-3) Offered intermittently. Prereq., junior standing in Business and consent of instr.

BMIS 465 - Introduction to Real-time Data Analytics. 3 Credits.
Offered intermittently. Prereq., STAT 216, BMIS 365, BMIS 326 or equivalents. Focuses on analyzing big data in motion using commercially available software.

BMIS 471 - Fund of Network & Security Management. 3 Credits.
Offered intermittently. Prereq., junior standing. Current topics will focus on the impact of network technologies and infrastructures on facilitating and supporting business organizations. Students learn about design, installation, and configuration of networks as well as implementing security, networking protocols, and virtualization technologies. Includes a hands-on lab to demonstrate the concepts.

BMIS 472 - Advanced Network & Security Management. 3 Credits.
Offered intermittently. Prereq., junior standing and BMIS 471. Focuses on network security and how it aligns with organizational strategy, directory services for access to organizational information, and cybersecurity management. Includes a hands-on lab to demonstrate the concepts.

BMIS 476 - Integrated Project Mgmt for IS. 3 Credits.
Offered every term Prereq., junior standing in Business and BMIS 326, 365, and 373. Emphasis on project planning, team selection models, and project management techniques. A software package is used to demonstrate how projects are planned, managed, monitored, and controlled.

BMIS 478 - E Commerce a Managerl Prspctv. 3 Credits.
Offered intermittently. Prereq., junior standing in Business. Focuses on the capabilities of the Internet to support and enable commerce. Provides a managerial perspective on topics including effective web site design, emerging technologies, business models, infrastructure architectures, and security.

BMIS 479 - Introduction to Consulting. 3 Credits.
Offered intermittently. Prereq., junior standing in Business. Managerial approach to consulting engagements. Includes scoping and writing proposals, presenting to clients, documenting consulting work, and interpersonal skills necessary for successful consulting. Course does not require a technical background. Level: Undergraduate

BMIS 482 - Big Data Project. 3 Credits.
Offered autumn and spring. Prereq., BMIS 326 and any 2 electives listed in part 4 of the Big Data Analytics Certificate, or consent of instructor. Students will work in cross-disciplinary teams to complete big data projects from different disciplines. There will be emphasis on agile project management.

BMIS 491 - Special Topics. 1-9 Credits.
(R-9) Offered autumn and spring. Prereq., junior standing in Business or consent of instr. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics.

BMIS 492 - Independent Study. 1-6 Credits.
(R-6) Offered every term. Prereq., junior standing in Business and consent of instr.

BMIS 494 - Seminar. 1-6 Credits.
(R-6) Offered intermittently. Prereq., junior standing in Business and consent of instr.

BMIS 495 - Practicum: Information Systems. 3 Credits.
Offered every term. Prereq., junior standing in Business and consent of instr. Practical hands-on experience with area organizations. Provides application of classroom learning.

BMIS 498 - Internship. 1-6 Credits.
(R-6) Offered every term. Prereq., junior standing in Business and consent of instr. Extended classroom experience which provides practical application of classroom learning during placements off campus. Prior approval must be obtained from the faculty supervisor and the Internship Services office. A maximum of 6 credits of Internship (198, 298, 398, 498) may count toward graduation.

BMIS 541 - Systems & Operations. 3 Credits.
Online course. Offered spring. Prereq., admission to M.B.A. or M-Acct. program or graduate standing with consent of graduate business program director; grade of B or better in BMKT 560. Design and use of information systems to meet the tactical and strategic needs of an enterprise, particularly within the operations function. Topics include systems analysis, data and process modeling, database designs, manufacturing planning and control, forecasting, and quality management. Level: Graduate

BMIS 575 - Fundamentals of Consulting. 3 Credits.
Offered spring. Prereq., graduate standing in Business. The technical, interpersonal, and consulting skills necessary to effectively work with clients. Focuses on management; does not require a technical background. Level: Graduate

BMIS 591 - Special Topics. 1-3 Credits.
(R-3) Offered intermittently. Prereq., consent of instr. Experimental offerings of visiting professors, experimental offerings of new courses, or one-time offerings of current topics. Level: Graduate

BMIS 601 - Business Intelligence. 3 Credits.
Offered intermittently. Prereq., graduate standing and BMIS 326. The course provides graduate students with the foundational knowledge necessary to transform big data into useful business intelligence. Students get the skills, tools, and techniques required to collect, synthesize, and distribute information to support intelligent decision-making at the managerial level. Level: Graduate

BMIS 625 - Mining of Text & Unstructured Data. 1 Credit.
Prereq., admission to the MS BA program or instructor consent. An integration of Data Science theory and the actual practice of searching, sorting, relating, and deriving results from textual data. Students will be exposed to machine learning, natural language processing, as well as other computer assisted data mining techniques and then gain hands-on proficiency in the practice of data science using the software from data mining and document analysis vendors. Level: Graduate

BMIS 650 - Quantitative Analysis. 2 Credits.
Offered spring. Prereq., admission to the M.B.A. or M-Acct. programs. Quantitative methods supporting managerial decision-making. Theory and logic underlying such methods as linear programming and simulation. Solution of complex problems and practice of interpersonal skills in team projects. Level: Graduate

BMIS 674 - Mgmt of Information Systems. 2 Credits.
Offered autumn. Prereq., admission to the M.B.A. or M-Acct. program. The tactical/operational responsibilities and roles of the CIO. Includes governance issues, supporting the learning organization, managing the technologies, and managing the development of systems. Focuses on management; does not require a technical background. Level: Graduate

BMIS 694 - Seminar. 1-6 Credits.
(R-12) Offered intermittently. Prereq., consent of instr. Level: Graduate

BMIS 696 - Independent Study. 1-9 Credits.