



CAPITOL COLLEGE

1927

Master of Science in Information & Telecommunications Systems Management

The online Master of Science in Information & Telecommunications Systems Management (ITSM) degree is structured as an interdisciplinary study of systems management theory and practices. As a technology management oriented degree, the main objective of the program is to develop student abilities to anticipate, recognize, and solve organizational and technological problems, optimize their own capabilities and the capabilities of others, allocate and effectively use resources, and apply systems management theory to organizational situations. Specialization options include leadership, information assurance, or technology management law and policy. Students complete the 38 credit hour program in a combination of accelerated 8-week terms and 16-week semesters.

- Online course delivery with audio – using VoIP
- Real-time lectures in the evening (EST) – recorded for later playback
- No resident requirement – earn your degree from home or on the road
- Transfer up to 9-credits of equivalent graduate coursework

ITSM CURRICULUM (38 credits)

Required Core Courses (29 credits)

MBA-610	Statistics for Managers (4-credits)
MBA-625	Organizational Behavior (4-credits)
MBA-640	Managerial Economics
SM-513	Systems Management and Organization Theory
SM-517	Psychological Factors in Systems Management
SM-518	Principles of Systems
SM-563	Managing Information Systems
SM-567	Telecommunications and Computer Networking
SM-569	Decision Support and Expert Systems

Specialization Options (9 credits)

Complete a 9-credit specialization option, or with permission, choose any three graduate-level courses from the college inventory.

Leadership Specialization

MBA-XXX	Transformational Leadership and Innovation
MBA-658	Legal, Political, and Ethical Implications for Leadership
MBA-ZZZ	Leadership and Managing Human Capital

Information Assurance Specialization

IAE-670	Network Systems Security Concepts
IAE-682	Internal Protection
IAE-677	Malicious Software

Technology Management Law & Policy Specialization

IAE-671	Legal Aspects of Computer Security
IE-717	Invention, Innovation and the Use of Intellectual Property
SM-587	Law and Regulation of E-Commerce

For more information, contact:

Office of Admissions

800-950-1992

gradadmit@capitol-college.edu

Capitol College

11301 Springfield Road, Laurel MD 20708

www.capitol-college.edu

MBA-610 Statistics for Managers (4 credits)

Develop probabilistic and statistical concepts, methods, and models through the use of real-life data from business. Stresses the role that statistics plays in the managerial decision-making process. Use of statistical software package is emphasized. Practicum: students will be introduced to a statistical software package which is used to complete the course project. Prerequisite: completion of an undergraduate statistics course. Offered in the 16-week summer semester.

MBA-625 Organizational Behavior (4 credits)

Analyzes the elements of organizational behavior. Theory and research in behavior science are explored. Topics include motivation, group dynamics, power, communication, ethics, conflict resolution, stress management, workforce diversity, and managing change. Cases are analyzed to develop skills in applying theories to common managerial problems. Practicum: business ethics. Being in business today means dealing with a variety of difficult ethical decisions. Students will apply ethical decision-making skills they learn in class to business matters involving conflicts of interest, work requirements, work conditions, and dealing with work-related problems. Offered in the 16-week fall semester.

MBA-640 Managerial Economics (3 credits)

Application of relevant economic theory to business problems. Examines general principles that can be applied to the business decision-making process in the presence of risk and uncertainty. Analysis of demand, costs, productivity, pricing policies, market structure, and government policies toward business within various marketing structures. Prerequisite: Completion of an undergraduate economics course. Offered in the 8-week spring term II.

MBA-658 Legal, Political, and Ethical Implications for Leadership (3 credits)

This course examines the areas of law critical to the success of managers and entrepreneurs. Topics include contract issues, torts and product liability, business crimes, intellectual property, the law and structure of business organizations, employment, and bankruptcy. These issues are also explored in the context of rapidly changing technology and business practices.

SM-513 Systems Management and Organization (3 credits)

Basic concepts applied to managing large-scale systems. Perspectives and philosophies of organization, functions and processes of systems management and organizational leadership. Offered in the 8-week fall term I.

SM-517 Psychological Factors in Systems Management (3 credits)

Human characteristics and their bearing on systems management critical review of theory and research on personality, motivation, values, stress, leadership skills and power bases. Offered in the 8-week fall term II.

SM-518 Principles of Systems (3 credits)

Systems theories, methodologies, thinking and practice; hard and soft systems approaches; multidisciplinary approaches to organizational problem solving, feedback loops and system change. Offered in the 16-week spring semester.

SM-563 Managing Information Systems (3 credits)

Identifying organizational situations which can be supported by computerized management information systems (MIS); hands-on experience designing and implementing an automated system. Offered in the 8-week spring term I.

SM-567 Telecommunications and Computer Networking (3 credits)

Fundamentals of telecommunications, teleprocessing, and computer networks; data communications, distributed processing, interactive systems; telemetric, analysis and design of telecommunications-based information systems. Offered in the 8-week summer term I.

SM-569 Decision Support and Expert Systems (3 credits)

Role of computers in management decision-making processes; structured, semi-structured, and unstructured decision support and expert systems; knowledge engineering and artificial intelligence to support management control and strategic planning. Offered in the 8-week spring term II.

SM-587 Law and Regulation of E-Commerce (3 credits)

This course is an examination of the complex political, legal and regulatory issues influencing electronic commerce. Electronic commerce law and regulation are in flux, and changing rapidly to catch up to the impact of the information revolution on the global economy. The majority of the course will attempt to make sense of the status quo ante of electronic law and regulation to enable students to conduct business online. The course will conclude with an analysis of the future landscape based upon developments in technology, applications, proposed legislation, and administrative rule making. Offered in the 8-week fall term I.

The anticipated timing and schedule of course offerings is subject to review and may change.