

Information Systems (ITIS)

Information Systems (ITIS) Courses

ITIS 5401 [0.25 credit]

Managing Information Systems in Organizations

Key issues in managing of information systems in organizations. Business and information technology challenges faced by managers and how decisions are made about acquiring, deploying, and using information technologies to achieve business objectives.

ITIS 5403 [0.25 credit]

ICT for Development

Conceptual frameworks to understand the prospects and challenges and roles of information and of information and communications technologies (ICTs) in social and economic development; knowledge and skills to help in the effective planning, development, implementation and management of ICT for development initiatives; case studies.

ITIS 5408 [0.5 credit]

Social Analytics

The process, tools and techniques necessary to acquire, clean, and analyze text that has been generated on social platforms. Social network analysis, sentiment analysis, topic extraction, and co-occurrence analysis.

Prerequisite(s): ITIS 5401, MKTG 5200, BUSI 5801.

Also offered at the undergraduate level, with different requirements, as BUSI 4408, for which additional credit is precluded.

ITIS 5411 [0.25 credit]

IT Service Support

Management of IT processes crucial to business operations. IT service management (ITSM) best practices including service desk management, incident management, problem management, change management, release management, and configuration management.

Prerequisite(s): ITIS 5401.

ITIS 5412 [0.25 credit]

IT Service Delivery

Service level management, services reporting, service continuity and availability management, budgeting and accounting for IT services, capacity management and information security management. Service level agreements (SLAs) and information technology security techniques or subjects.

Prerequisite(s): ITIS 5401.

ITIS 5413 [0.25 credit]

Enterprise Architecture and Governance

Exploration and analysis of enterprise architecture frameworks used to guide organizations in aligning business and IT strategies and goals while enhancing organizational efficiency in the adoption and use of IT. Models of IT Governance.

Prerequisite(s): ITIS 5401.

ITIS 5414 [0.25 credit]

Emerging Information Technologies and Business Innovation

Examines the emerging information technology trends and how new technologies can be incorporated to drive process innovation and improve operational performance.

Prerequisite(s): ITIS 5401, or ITIS 5403 for students in the International Development Management Concentration.

ITIS 5421 [0.25 credit]

Strategic Management of Technology Concentration Integration

Components and aspects of technology strategy formulation and its successful implementation in an organization. Technology strategy from a general management perspective, designing and developing technology strategy for sustaining competitiveness. Project-based course.

Prerequisite(s): ITIS 5401, ITIS 5411, ITIS 5412, ITIS 5413.

ITIS 5431 [0.25 credit]

Business Analytics for Managers

Decision support systems in organizations; moving from business intelligence to business analytics; big data trends in organizations; theories and trends in data analytics.

Prerequisite(s): ITIS 5401 or permission of the School of Business.

ITIS 5432 [0.25 credit]

Business Analytics Methods

Tools for data analytics; analyzing data beyond statistics; data mining and predictive modeling; time series analysis and forecasting; neural networks algorithms in business analytics.

Prerequisite(s): ITIS 5431 and BUSI 5801 (or equivalent).

Summer session: some of the courses listed in this Calendar are offered during the summer. Hours and scheduling for summer session courses will differ significantly from those reported in the fall/winter Calendar. To determine the scheduling and hours for summer session classes, consult the class schedule at central.carleton.ca

Not all courses listed are offered in a given year. For an up-to-date statement of course offerings for the current session and to determine the term of offering, consult the class schedule at central.carleton.ca