

INFORMATION TECHNOLOGY & SUPPLY CHAIN MANAGEMENT (ITSCM)

Courses

ITSCM 105 #coolIT 3 Units

This course explores the transformative power of technology through a series of hands-on labs, activities, and lectures. Students will learn about the history of technology, explore Web 2.0, use cutting edge software tools, and gain insight into today's disruptive technologies. This class is appropriate for all levels of technology experience.

ITSCM 180 INTRODUCTION TO PROGRAMMING FOR BUSINESS APPLICATIONS 3 Units

This course introduces the essentials of object-oriented programming for business application. Students will learn programming fundamentals, object-oriented design, file i/o, and fundamental data structures within the context of building tools for business end-users. Topics related to the business environment, such as eliciting software requirements and effective technical communication are also covered.

PREREQ: BUSINESS MAJOR (STUDENTS IN BBA DEGREE) OR OTHER MAJOR OR MINOR FOR WHICH THIS COURSE IS AN OPTION

ITSCM 221 INFORMATION TECHNOLOGY INFRASTRUCTURE 3 Units

This course includes a detailed investigation of the primary infrastructure components of modern information systems. In particular the course focuses on computer hardware and networking components, infrastructure troubleshooting methodologies and tools, and networking protocols.

PREREQ: BUSINESS MAJOR, 2.50 COMBINED CUMULATIVE GPA AND 24 CREDITS OR FOR ALL OTHER MAJORS, 2.00 GPA AND 24 CREDITS

ITSCM 280 INTRODUCTION TO INFORMATION SYSTEMS 3 Units

This course introduces students to information systems, and details how and why they are critical to the functioning of modern organizations. The course provides technological, organizational, and managerial foundations of information, and explains how successful systems are built. Students also learn to develop and use a database system for personal productivity.

PREREQ: 24 CREDITS AND 2.50 COMBINED CUMULATIVE GPA OR PUBLIC POLICY MAJOR

ITSCM 285 BUSINESS WEB APPLICATION DESIGN 3 Units

Students will learn web design and maintenance, graphics development, prototyping, design methodologies, and usability testing. Students are guided through a hands-on, step-by-step process of creating an attractive, well-designed Web site for an enterprise. Also e-business technologies and practices will be overviewed.

PREREQ: SOPHOMORE STATUS LOWER LEVEL BUSINESS REQUIREMENTS

ITSCM 306 OPERATIONS MANAGEMENT 3 Units

The study of contemporary theory, methods and procedures used to manage the production/operations (P/OM) function in service and manufacturing organizations. Included is a thorough overview of the qualitative and quantitative methods used by managers in making the decisions needed to effectively and efficiently transform resource inputs into goods and services.

PREREQ: MATH 143 OR MATH 152 OR MATH 243 OR MATH 250 OR MATH 253 AND ECON 245; ADMISSION TO UPPER DIVISION AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 310 ENTERPRISE SYSTEMS & BUSINESS PROCESS INTEGRATION 3 Units

This course introduces students to enterprise/ERP systems and their importance for business process integration. Managerial and technical issues in planning, designing, and implementing such systems are also discussed. Students have the opportunity of practicing course concepts in an industry used ERP system.

PREREQ: ITSCM 280; ADMISSION TO THE UPPER DIVISION BUSINESS COURSES AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 COMBINED CUMULATIVE GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 314 DATABASE DESIGN AND ADMINISTRATION 3 Units

This course teaches students how to analyze, design and implement a computerized database. It further teaches students how to use a database to answer questions and support analyses. Students learn the basics of administering a database including providing security, performance tuning, backup and recovery, and other administrative tasks.

PREREQ: ITSCM 280 AND ADMISSION TO UPPER DIVISION AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 COMBINED CUMULATIVE GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION.

CROSS-LISTED: ITSCM 314 AND MCS 314

ITSCM 315 ACCESSIBILITY IN HIGH TECH PRODUCTS AND SYSTEMS 3 Units

The course explores the notion of "accessibility" in products and services in context of its legal, technical, and organizational dimensions. It provides immersion in team design and development efforts and related business plan approaches. It equips students to evaluate and promote efforts pertaining to accessible and inclusive high technology.

PREREQ: SOPHOMORE STATUS, SPECED 201 OR SOCIOLOGY 315 OR POLISCI 331

ITSCM 320 BUSINESS ANALYSIS 3 Units

The basic role of a business analyst is to serve as a liaison between business divisions and the technical staff by translating business goals into information-system requirements and communicating those requirements to the technicians. This course provides students with the knowledge and techniques to perform this service.

PREREQ: ITSCM 280 AND ADMISSION TO UPPER DIVISION AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 COMBINED CUMULATIVE GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION.

ITSCM 321 BUSINESS SYSTEMS DESIGN AND IMPLEMENTATION 3 Units

In this course students learn to design business applications using industry standard methodologies and technologies. Topics include system design, program design, user interface design, data storage design, designing for security, testing and alternative development methodologies.

PREREQ: ITSCM 314 AND ITSCM 320; ADMISSION TO THE UPPER DIVISION BUSINESS COURSES AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 COMBINED CUMULATIVE GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

CROSS-LISTED: MCS 331 AND ITSCM 321

ITSCM 325 WEB DEVELOPMENT 3 Units

This course teaches students how to develop business applications using web technologies. Topics include web design, server-side programming, client-side programming, database access, web development environments, and web application testing.

PREREQ: ITSCM 180 AND ITSCM 285; ADMISSION TO THE UPPER DIVISION BUSINESS COURSES AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS; OR 60 CREDITS AND 2.00 OR BETTER GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

CROSS-LISTED: MCS 325 AND ITSCM 325

ITSCM 331 SYSTEM ADMINISTRATION 3 Units

This course provides in depth coverage of the best practices for administering network systems. Students will be expected to demonstrate an ability to administer network operating systems (NOS) and applications.

PREREQ: ITSCM 180 AND ITSCM 221; ADMISSION TO THE UPPER DIVISION BUSINESS COURSES AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 COMBINED CUMULATIVE GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 332 NETWORK MANAGEMENT 3 Units

This course provides in depth coverage of the best practices for managing wide area network (WAN) components. Students will be expected to demonstrate an ability to manage network interconnection devices, such as routers and switches. The course will focus on designing appropriate data link (OSI Layer 2) and Internet layer (OSI Layer 3) architectures.

PREREQ: ITSCM 180 AND ITSCM 221; ADMISSION TO THE UPPER DIVISION BUSINESS COURSES AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 COMBINED CUMULATIVE GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 380 BUSINESS INTELLIGENCE: CONCEPTS, METHODS AND TECHNOLOGIES 3 Units

Business Intelligence (BI) is the application of information processes, methodologies, and technologies to support analysis and decision making in organizations. This course will provide students with an understanding of: the basic concepts of BI, the role of BI in today's organizations, the methodologies involved in creating effective BI systems, and the tools that are available to support BI applications.

PREREQ: (ITSCM 280 OR MCS 214) AND (ECON 245 OR MATH 342) AND ADMISSION TO THE COLLEGE AND 2.50 FOR BUSINESS MAJORS OR 60 CREDITS AND 2.00 FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 382 VISUALIZATION, INFOGRAPHICS, AND TECHNICAL DOCUMENTATION 3 Units

The course explores data visualization, infographic design, and information presentation methods and technologies, along with technical documentation basics. It equips students to produce and critically evaluate visualization, presentation, and documentation efforts in high-technology contexts. Students are immersed in team design and development as well as case studies of organizational initiatives.

PREREQ: ITSCM 280; ADMISSION TO THE UPPER DIVISION BUSINESS COURSES AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 COMBINED CUMULATIVE GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 384 DATA MINING FOR BUSINESS ANALYTICS 3 Units

This course provides an introduction to the major methods used in the data mining of quantified data. The way to use the large amounts of data available in data warehouses and data marts available to organizations to support business analytics is discussed. Students will learn and apply an understanding of classification, association and prediction methods. The role of understanding the data in the context of the organization and its environment will be examined.

PREREQ: ITSCM 380; ADMISSION TO THE UPPER DIVISION BUSINESS COURSES AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 COMBINED CUMULATIVE GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 385 AGILE PROJECT MANAGEMENT 3 Units

This course is designed to allow students from all disciplines to understand how to manage agile projects. PM presents a methodology for managers to balance their time, cost, risks, resources, and people while ensuring quality goals are built into the project. The genesis of agile PM is covered using live cases and examples.

PREREQ: ADMISSION TO THE UPPER DIVISION BUSINESS COURSES AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 COMBINED CUMULATIVE GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 410 BUSINESS PROCESS MANAGEMENT & SIMULATION 3 Units

This course introduces students to the various concepts and techniques in business process management and simulation including modeling, measuring and evaluating, and redesigning business processes. Students will learn to work with a business process simulation software to model, analyze and improve business processes.

PREREQ: ITSCM 310 OR ITSCM 320; ADMISSION TO THE UPPER DIVISION BUSINESS COURSES AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 COMBINED CUMULATIVE GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 414 MINING UNSTRUCTURED DATA 3 Units

This course provides an overview of methods used to extract meaning from computer captured data sources beyond the traditional data warehouse. This would include: text mining, web site mining, click stream analysis, social media, external data sources and emerging areas such as mining of photos and sound.

PREREQ: ADMISSION TO UPPER DIVISION AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.0 COMBINED CUMULATIVE GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHOM THE COURSE IS AN OPTION

ITSCM 421 BUSINESS SYSTEMS ANALYSIS AND DESIGN PROJECT 3 Units

This is the capstone course for the Business Application Development emphasis of the IT major. Students work in teams to create software applications for "real-world" clients. These teams use industry standard methods, technologies and processes to meet client needs in a project setting.

PREREQ: ITSCM 321 AND (ITSCM 325 OR ITSCM 425); ADM TO THE UPPER DIVISION BUSINESS COURSES AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 COMBINED CUMULATIVE GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

CROSS-LISTED: MCS 431 AND ITSCM 421

ITSCM 425 MOBILE DEVELOPMENT: CONCEPTS, METHODS AND TECHNOLOGIES 3 Units

This course teaches students how to develop mobile applications (apps) using cutting edge technologies. The course focuses on design, testing and implementation of apps. Topics include an introduction to programming in a mobile environment, requirements elicitation, design & testing concepts, user interfaces, mobile databases, and security.

PREREQ: ITSCM 180 AND ITSCM 285; ADMISSION TO THE UPPER DIVISION BUSINESS COURSES AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS; OR 60 CREDITS AND 2.00 OR BETTER GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

CROSS-LISTED: MCS 425 AND ITSCM 425

ITSCM 444 IT SECURITY ANALYTICS 3 Units

Security analytics are imperative to provide traceable and accurate data that IT and security professionals can analyze and present to management for making informed decisions related to the organization's cyber risk. This course introduces security analytics as a platform that is built on data infrastructure to converge user identity, security information and event management, network data flow, and diverse applications.

PREREQ: ITSCM 180, ITSCM 221, ECON 245, ITSCM 314, ITSCM 380; ADMISSION TO UPPER DIVISION AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 445 QUALITY MANAGEMENT 3 Units

A comprehensive study of contemporary perspectives on Total Quality (TQ) theory and practice applied to operations systems. Includes a thorough discussion of statistical and quality methods including process control, acceptance sampling, and variance reduction. Explores Quality Function Deployment and the customer-focused implications of quality.

PREREQ: ITSCM 306, ADMISSION TO UPPER DIVISION AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 450 OPERATIONS PLANNING 3 Units

Study in depth of the planning processes performed in the operations setting integrating the topics of systems modeling, forecasting, production planning, capacity planning, capacity requirements planning, master scheduling, and material requirements planning. Emphasis is on concepts and their application.

PREREQ: ITSCM 306, ADMISSION TO UPPER DIVISION AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 451 MANAGING INFORMATION TECHNOLOGY SERVICES 3 Units

This course covers material appropriate for individuals who may be expected to manage IT people and resources. Topics include business continuity planning, developing service level agreements, change management / revision control, capacity planning, impact analysis, testing, communication with vendors, customers and other constituents, and managing IT professionals.

PREREQ: ITSCM 221, ITSCM 314, ITSCM 320, AND ITSCM 385; SENIOR STANDING; ADMISSION TO UPPER DIVISION AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS AND 60 UNITS AND 2.00 FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 452 INFORMATION ASSURANCE AND SECURITY 3 Units

This course provides an in depth investigation into meeting the security needs of modern IT systems. Students will be expected to demonstrate an ability to establish security policies and configure security devices and software.

PREREQ: ITSCM 331 AND ITSCM 332 AND ADMISSION TO UPPER DIVISION AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 455 INTEGRATION OF OPERATIONS 3 Units

Examination in depth of daily operational decision making pertaining to management of operational systems and inventory, inventory models and systems, inventory control, distribution planning and control, scheduling techniques, production authorization, lead time management, supplier interfaces, data requirements and measurement systems. Emphasis is on the interrelationships of these techniques and their applications.

PREREQ: ITSCM 306, ADMISSION TO UPPER DIVISION AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 456 GLOBAL SUPPLY CHAIN MANAGEMENT 3 Units

The course uses a supply chain management framework to study flow of material through global enterprises. The course focuses on sourcing, facility location, production, and distribution of products in a global environment. Specifically, topics include supply chain metrics, supply chain drivers, supply chain risks, and network design/coordination.

PREREQ: ITSCM 306, ADMISSION TO UPPER DIVISION AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 457 SUPPLY CHAIN INTEGRATION AND REVIEW 1 Units

In this course students will understand and integrate a body of knowledge related to international supply chain management, metrics, mitigation methods for risk/uncertainty, scheduling and planning, strategic/master planning of resources, customer and supplier relations management and quality and lean manufacturing.

PREREQ: ADMISSION TO THE UPPER DIVISION BUSINESS COURSES AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 COMBINED CUMULATIVE GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 460 TRADITIONAL PROJECT MANAGEMENT 3 Units

This course is designed for students from all disciplines to develop a basic understanding of traditional project management. Topics will include planning, scheduling, budget and resource allocation, quality and control, risk management, and stakeholder communication and management. The course is aligned with the PMBOK® Guide. This course may require visiting/working with local firms in setting up such systems. PREREQ: ADMISSION TO THE UPPER DIVISION BUSINESS COURSES AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 COMBINED CUMULATIVE GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 462 PURCHASING MANAGEMENT 3 Units

This course provides an understanding of the business role of purchasing and procurement in relation to both operational and strategic organizational goals. Students will be able to identify alternative terms and conditions of sale, source suppliers and build supplier relationships. In addition, exposure to the bidding and auction process, negotiating with suppliers and total cost of ownership will be provided.

PREREQ: ITSCM 306, ADMISSION TO UPPER DIVISION AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 465 GLOBAL OPERATIONS STRATEGY 3 Units

A study of the integration of operations planning, management, and control to create effective operations strategy within a global perspective. Includes a thorough examination of capacity and supply chain management. Also examines the theory of constraints as used to develop strategic competitive advantage.

PREREQ: ITSCM 450, OR ITSCM 455 OR ITSCM 456; ADMISSION TO THE COLLEGE AND 2.50 FOR BUSINESS MAJORS OR 60 CREDITS AND 2.00 FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION.

ITSCM 466 SERVICE AND SUSTAINABLE OPERATIONS 3 Units

Students learn about the problems of producing services, which are compared and contrasted with manufacturing. Students also become familiar with the numerous tools for increasing environmental, financial, and social sustainability throughout supply chains, including suppliers, internal operations, transportation, facilities, customer use, and disposal. These tools include life cycle analysis, project management, design for the environment, and industrial ecology.

PREREQ: ITSCM 306, ADMISSION TO UPPER DIVISION AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 471 INTRODUCTION TO SUPPLY CHAIN ANALYTICS 3 Units

Theory and application of quantitative analytic methods used in operations and supply chain decision situations. Topics include model building, decision theory, deterministic and probabilistic problems, simulation, linear, discrete, non-linear, and dynamic programming.

PREREQ: ITSCM 306

ITSCM 480 MANAGEMENT INFORMATION SYSTEMS 3 Units

Study of the "total systems" concept. Understanding of an integrated information system, employing a computer and data processing equipment for use by management for planning and control purposes. Analysis of actual information systems used in industry and the government. This course may not be used to satisfy Management Computer Systems major requirements.

PREREQ: 75 CREDITS TOWARD DEGREE, ADMISSION TO THE COLLEGE AND 2.50 FOR BUSINESS MAJORS OR 60 CREDITS AND 2.00 FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 485 PROJECT Repeatable 1-3 Units

This course provides students with the opportunity to participate on a student project team under the management of a faculty member and industry practitioners. The project will be sponsored by a partnering business firm or organization and may involve a wide array of technologies, functional areas and geographically dispersed teammates. This course will only be offered when projects are available. Students will be carefully chosen through an interview process. The number of credits will be determined by the complexity of the project and the level of student involvement.

ITSCM 490 WORKSHOP Repeatable 1-3 Units

Variable topics. Group activity oriented presentations emphasizing 'hands on' and participatory instructional techniques. Repeatable. Consent of Instructor required.

PREREQ: ADMISSION TO THE UPPER DIVISION BUSINESS COURSES AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 COMBINED CUMULATIVE GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 491 TRAVEL STUDY Repeatable 3 Units

Variable topics. Faculty-led courses abroad.

ITSCM 493 IT INTERNSHIP Repeatable 3 Units

The student is to work as an information technology infrastructure professional in a business or government organization for the prescribe number of hours and report on the experience to the IT faculty and fellow students.

PREREQ: ADMISSION TO UPPER DIVISION AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.0 COMBINED CUMULATIVE GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHOM THE COURSE IS AN OPTION

ITSCM 493S SUPPLY CHAIN MANAGEMENT INTERNSHIP 3 Units

This course is a structured-supervised work experience within the area of Supply Chain Management. The internship experience offers the student an opportunity to merge supply chain metrics, scheduling/planning, strategic/master planning, supplier/buyer relations, and/or quality & lean concepts with real-world activities in business, government or the non-profit sector.

PREREQ: SUPPLY CHAIN MAJOR AND DEPARTMENT CONSENT

ITSCM 495 EMERGING TECHNOLOGIES 3 Units

This course provides students with the opportunity to immerse in new, innovative, and emerging technologies for both individual users and businesses. Students will conduct thorough cost-benefit and assorted front-end analyses and help write or rewrite business plans and/or IT strategic plans based on the needs identified in adopting emerging technologies or starting up a business related to a particular new technological solution. Students will participate on a project team under the management of a faculty member and/or industry professional. This will be a three credit hour elective course for all ITBE majors and minors. PREREQ: ITSCM 331 AND ITSCM 332 AND ADMISSION TO UPPER DIVISION AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 496 SPECIAL STUDIES *Repeatable* 1-3 Units

Variable topics. Group activity. Not offered regularly in the curriculum but offered on topics selected on the basis of timeliness, need, and interest, and generally in the format of regularly scheduled Catalog offerings. Repeatable. Consent of Instructor required.

PREREQ: ADMISSION TO THE UPPER DIVISION BUSINESS COURSES AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 COMBINED CUMULATIVE GPA FOR MINORS/NON-BUSINESS MAJORS FOR WHICH THIS COURSE IS AN OPTION

ITSCM 497 EXCHANGE STUDY *Repeatable* 1-12 Units

Variable topics. Repeatable to a maximum of 15 credits.

ITSCM 498 INDEPENDENT STUDIES *Repeatable* 1-3 Units

Study of a selected topic or topics under the direction of a faculty member. Repeatable for a maximum of 3 credits in major/degree. Department Consent required.

PREREQ: SENIOR STATUS, CONSENT OF DEPARTMENT CHAIR. ADMISSION TO UPPER DIVISION AND 2.50 COMBINED CUMULATIVE GPA FOR BUSINESS MAJORS OR 60 UNITS AND 2.00 FOR MINORS/NON-BUSINESS MAJORS FOR WHOM THIS COURSE IS AN OPTION