



THE UNIVERSITY OF
MEMPHIS®

Business Information
and Technology

Masters of Science in Information Systems

Student Handbook

The Fogelman College of Business and Economics

July 25, 2019

MS-IS FACULTY

Adeli, Ali

678-3729

amadeli@memphis.edu

Brown, Judith

678-4616

jbrown@memphis.edu

Janz, Brian

678-5526

bdjanz@memphis.edu

Lee, Euntae (Ted)

678-2697

elee@memphis.edu

Schultz, Margaret

678-5653

mschultz@memphis.edu

Velichety, Srikar

678-3609

svlchety@memphis.edu

Ambartsoumian, Vladimir

678-4511

vgmbrtsm@memphis.edu

Gillenson, Mark

678-5607

mgillnsn@memphis.edu

Kang, Martin

678-3735

dkang3@memphis.edu

Lee, Jong Seok

678-5005

jslee4@memphis.edu

Simon, Judith

678-5932

jsimon@memphis.edu

USEFUL CONTACT INFORMATION

Department Chair, MS-IS

Chen Zhang

czhang1212@memphis.edu

678-5671

Coordinator, MS-IS

Sandra Richardson

schrdsn@memphis.edu

678-4614

Advisor, MS-IS

Anna Myers

ammyers@memphis.edu

678-3442

Advisor Office Hours

Monday- Friday 8:00am-4:30pm

****Please email for an appointment****

Advisor Mailing Address

Graduate Programs Office

Attn: Anna Myers

101 Fogelman College Admin. Bldg.

Memphis, TN 38152

Advisor Location

FCBE 101

Information for Current MS-IS Students

<http://www.memphis.edu/bitm/courses/index.php>

Campus Information

678-2000

Help Desk

678-8888

Inclement Weather Hotline

678-0888

Parking Services

678-2212

MS INFORMATION SYSTEMS

Fogelman BIT is a nationally and internationally recognized program. Our dedicated BIT faculty members prepare graduates for local and global positions in the fields of information technology management, data analytics, and cybersecurity. It is the only business college in the Memphis area that is fully accredited by the prestigious AACSB.

The BIT Department offers majors or concentrations for degrees including the Bachelor's (BBA), Master of Science (MS), and the Doctorate (Ph.D.). The college's Master of Business Administration (MBA) degree program also includes MIS courses, some of which are required for the degree and others that serve as electives.

Our faculty have Ph.D.'s from top schools around the country, and many have worked in senior IS positions in the business world, specializing in technology innovation, electronic commerce, systems development and testing, database management, and the management of information systems in contemporary organizations.

In addition to a strong emphasis on excellence in teaching, the BIT Department faculty are involved in extensive research projects and other scholarly activities, such as working on funded grants, writing textbooks, and working with business organizations in various capacities.

Master of Science (formerly MSBA in MIS) in Information Systems:

The MSIS (formerly MSBA in MIS) degree provides its students with courses that contain the core content of all information systems programs, with the content directed toward managerial-level activities. Courses often use team activities, case studies, and real-world projects to focus on the types of knowledge and skills needed for effective management of an organization's computer and communications technologies and its information resources. Specific BIT courses used as a basis for this program include topics such as business analytics, database systems, information assurance, systems analysis and design, business intelligence, data communications and networks, computer hardware and system software, and information systems management and planning.

For more information please visit: <http://www.memphis.edu/bitm/index.php>

CERTIFICATE PROGRAMS

Graduate Certificate Program in Data Analytics for Technology (DATC)

This certificate prepares Data Analysts, Data Scientist and Technical Project Leaders to use current tools and techniques of data analytics using programming languages like R and Python, and get familiar with processes of business intelligence, analytics, and big data. With their newly acquired skills, they can effectively contribute to industry analytics efforts with a specific emphasis in the integration of data from a variety of business processes and sources. The student will learn how to detect data patterns, fix data anomalies and resolve technical challenges in data resulting in better insights into business problems.

Graduate Certificate Program in Data Analytics for Management (DAMT)

The field of data analytics, also described as business intelligence, is exploding in all segments of the business landscape. Tools and techniques of data mining, text mining, web mining, and artificial intelligence, combined with the use of "big data" are driving marketing, finance, economics, and virtually all other aspects of business to new heights. This certificate prepares the Business Analyst, Manager and the Project Leader to learn the language and fundamentals of mathematical modeling, artificial intelligence and data engagement metrics from structured and unstructured data sources for effectiveness measurement to determine a successful business strategy.

CERTIFICATE PROGRAMS

Graduate Certificate Program in Business Information Assurance (BSIA)

The graduate certificate program in Business Information Assurance (BIA) prepares students to perform critical activities needed to properly manage an organization's assets related to a wide range of information security/privacy threats. Training related to effective managerial methodologies has become increasingly important in planning for possible breaches of security and handling resulting problems.

Graduate Certificate Program in Software Testing (SWTS)

The graduate certificate program in Software testing prepares students for challenges in software testing. They develop the skills to be able to manage and participate in testing at all stages of software development process.

Graduate Certificate Program in Business Project Management (BPMG)

The graduate certificate program in Business Project Management prepares individuals for project management team work and to be project managers with specific emphasis on the integration of information systems and business processes.

For more information please visit: <http://www.memphis.edu/bitm/programs/index.php>

SCHOLARSHIPS

You must apply through Tiger Scholarship Manager.

To apply for Scholarships please login to your [myMemphis](#) portal to apply.

For more information on scholarships please visit our website:

<http://www.memphis.edu/bitm/admissions/scholarships.php>

INTERNSHIPS

Are you looking to gain real world work experience? Submit your resume and learn about available internship opportunities.

For information on internships please visit our website:

<http://www.memphis.edu/bitm/employment/internships.php>

GRADUATE ASSISTANTSHIPS

Are you looking for a graduate assistantship as a MSIS student? Please visit our website for directions and due dates: <http://www.memphis.edu/bitm/courses/ga.php>.

How To Check Your Grades On MyMemphis

MyMemphis Student Self Service

- Go to <http://my.memphis.edu>
- Select “Initialize Your Account”
- Enter your 20 digit character account code and birth date. Click “Continue” and follow instructions.
- Upon completion of initializing your account, log into MyMemphis.

Once an account is established, any of the registration and student records functions are easily accessed through MyMemphis (<http://my.memphis.edu>)

If you forget your UUID or your Password, follow the instructions under the log-in information. All other problems, contact the ITD Helpdesk at (901) 678-8888.

The Registration HelpLine is 678-2810.

Notes On Grades:

To check your Grades through MyMemphis:

- Login to MyMemphis using your Universal User ID (UUID) name and password that you created above.
- When the “Home” page appears, look at the available tabs and click on the “Student” tab.
- When the “Student” page appears, click on **Banner Self Service**, located in the middle of the page, and a drop down screen will appear.
- Click on “Student: and another drop down menu will appear. Click on the “Registration” and “Student Records” tabs. You will be able to view your grades as well as several other areas of interest.

Grades are available online as soon as your instructors enter them. However, your grades and your academic statistics are subject to review and update until they become official, usually by the Thursday following the session’s last exam period. Recheck your GRADES, STATS and ACADEMIC ACTION after that day.

University E-Mail Account

The University of Memphis assigns an email account and email address to all University of Memphis students. Throughout the year, a number of offices communicate with students using this email address. Be sure to set your email account to automatically forward all messages to your primary email account. **Forwarding your email** direction are below:

1. Browse to <http://iam.memphis.edu>
2. Log in with your UUID and your password (note: the password is the same that you use to log into services like ummail and Umdrive).
3. Select **Modify Email Preferences**.
4. Select **Set Email Delivery Destination**.
5. Enter the email address with which you would like email to be forwarded.
6. Click **Submit**.
7. Close the browser.

Communication with the University

While you are enrolled at the University of Memphis, you will be receiving letters and email correspondence from various University offices. Because the CD-MBA Program is different from many other programs at the University, some processes that are in place for other students do not always apply to CD-MBA students. If you have any questions about any letters or email that you receive from the University, please contact Anna Myers.

University Student ID Card

The University of Memphis issues each student, faculty and staff member an identification card that bears their name and image. This permanent identification card is used as the primary campus-wide method of determining privileges and accesses.

THE ID OFFICE REQUIRES PHOTO IDENTIFICATION (SUCH AS DRIVER'S LICENSE OR PASSPORT) TO MAKE AN IDENTIFICATION CARD.

There is no initial charge for the initial ID card, however, a \$10 fee will be charged to replace a lost or stolen card. A \$2 fee will be charged to make data changes on a card.

Contact the ID office at 678-0050 for additional questions.

Campus Resources

All CD-MBA students are classified as full-time students; therefore, you are eligible for all student activities and resources offered by the University.

Tiger Athletics

Please contact the Ticket Office directly with questions about purchasing tickets to athletic events.

Ticket Office: 678-2331

Campus Recreation and Intramural Services

<http://www.memphis.edu/cris/>

Campus Recreation Intramural Services offers the following programs to provide students, faculty/staff and other members of the University community the opportunity to participate in a variety of activities, including fitness, wellness, and leisure sports, for personal enjoyment and satisfaction.

The recently renovated Student Recreation & Fitness Center includes:

- Fitness areas for weight resistance and cardiovascular training, all with new equipment
- 9 racquetball/handball courts
- Indoor and outdoor Olympic size swimming pools, with outdoor diving well
- Spa area with whirlpool, sauna, and steam room
- 14 lighted tennis courts

Programs offered on a regular basis include:

- Aerobics: A variety of classes each week, including step, kickboxing, pilates, yoga and zumba; call 678-2801 or visit the website above
- Massage: Full-treatment massage available by appointment; call 678-1383
- Personal Training: One-on-one sessions by appointment; call 678-2801
- Outdoor gear rental: Tents, sleeping bags, stoves; call 678-2812
- Leisure Equipment Rental: golf, softball, horseshoes, etc.; call 678-2812
- Equipment check-out (with ID): basketballs, weight bells, racquetball rackets, tennis rackets, jump ropes and volleyballs

Other Useful Information

Computer Labs

Spanning the main campus, the TigerLAN network of computer labs provides U of M students the opportunity to tap a variety of computing resources: central host software and utilities; the Internet; PCs, Macintoshes, and laser printers; and an archive of free, current and popular desktop software, including programming, statistical, office productivity, and publishing packages. Many labs are open extended evening and weekend hours; Smith Hall Lab is accessible twenty-four hours a day, with a valid U of M ID card.

Disability Services

Student Disability Services provides information and support services that enable students with disabilities to take full advantage of the educational opportunities at The University of Memphis. Applicants should provide sufficient notification to Student Disability Services of their needs and enrollment date. Given adequate time, experienced staff can provide assistance in evaluating individual needs and in developing a plan for appropriate disability services.

All persons who have a permanent disability are encouraged to register with Student Disability Services and provide this office with medical documentation of their disability. Persons with documented learning disabilities should contact the office for additional information and assistance with the admissions application process before applying to the university.

For more information, visit their website at: <https://www.memphis.edu/drs/>.

International Students

The International Student Office advises international students regarding immigration, health, housing, social, personal, and financial concerns. Besides advising individual students, the office advises the Vietnamese Students Association and the International Students Council. The council represents six national student associations: the African Student Association, the Chinese Student Association, the Indian Student Association, the Korean Student Association, the Malaysian Student Association, and the Muslim Student Association.

International Night provides an opportunity for the international students to share their traditional food and entertainment with the campus and the Memphis community.

For more information, visit their website at: <http://cipsweb.memphis.edu/iso/default.htm>.

Other Useful Information

Judicial Affairs

The Office of Judicial Affairs is responsible for the administration and coordination of student disciplinary actions involving both social and academic misconduct. It also coordinates the publication of the Student Handbook and is a legal resource for the interpretation of policy and implementation of new policies that affect students. The Office of Judicial Affairs is located in Wilder Tower, phone number 678-2298.

Minority Affairs

The Office of Minority Affairs advises African American students. The office deals with the social, academic, personal, and financial concerns of minority students.

Besides advising individual students, the office advises organizations for African American students. The Black Student Association is a multipurpose organization that focuses on enlightening individuals about the black culture. It provides a support system that addresses the students' academic needs and also provides a U of M black alumni network that aids the students' employment needs. The BSA produces a monthly paper, "The BSA Torch," which keeps the students informed of issues relating to African Americans at The U of M and in the Memphis community. The BSA and other African American student organizations sponsor cultural, social, and academic programs during the academic year.

Organizations

Approximately 150 student groups representing a broad range of interests are registered with the university. For information, inquire at the Student Organizations Office in Wilder Tower, 678-2035.

Personal/Psychological Counseling

The personal/psychological counseling component provides students with the opportunity to discuss and explore any concerns and feelings that are of importance to them. Problems in relationships, feelings of loneliness or inadequacy, family or marriage difficulties, depression, the inability to concentrate or study, or simply "feeling the need to talk things out" are all examples of concerns that are dealt with through personal counseling. The staff is professionally trained and experienced in working with a wide variety of student concerns through individual and group counseling, testing, programs and workshops, and referral to additional service centers on and off campus. The counselors subscribe to the confidentiality policy in the ethics and guidelines established by the American Psychological Association. For more information about the counseling center, visit their website at: <https://www.memphis.edu/counseling/>.

Post Office

The University Post Office, located in Richardson Towers, has post office boxes available for rent by students and faculty. Students living in university housing have post office boxes located in these facilities. The Post Office provides full postal services.

Publications

Students write and edit "The Helmsman", the university newspaper (4 issues per week). "The Desoto", the university yearbook, is published under the auspices of Student Affairs.

Other Useful Information

Religious Affairs

Several religious organizations maintain meeting facilities close to campus or meet in university facilities. These organizations provide activities adapted to the needs of university students and are designed to aid in the continuing religious growth and development of members of the university community. The organized religious groups include: Baptist Student Unions, Barth House (Episcopal Student Center), Bellevue Christian Fellowship, Campus Crusade for Christ, Catholic Student Center, Chi Alpha Christian Fellowship, Christian Student Center (Church of Christ), Fellowship of Christian Athletes, Gospel Choir, Inter-Faith Council, Islamic-Quranic Association, Jewish Student Union, Latter Day Saint Student Association (Mormon), Muslim Student Association, Navigators, Power of Pentecost, 20th Century Christians, United Students for Christ, Wesley Foundation (United Methodist), and Westminster House (Presbyterian).

Residence Life

Residence Life, located in Richardson Towers, Room 001, administers The University of Memphis residence halls and student activities within these buildings. Names and rental charges for each residence hall can be obtained from the Residence Life Office.

Student Records

The Office of the Registrar – Student Records provides grade reporting and transcript (academic record) services. The Registrar's office is located in Wilder Tower, Room 003 (901.678.3927).

Transcripts are issued at the request of the student in person, by letter, or by fax (901.678.3249). Students should include social security number, name as of the last date of attendance, and signature on the requests. There is no fee.

The University is required by state law to withhold grade reports and transcripts from students who have outstanding financial obligations to the University.

Testing Center

The Testing Center provides testing services for university and professional school admissions purposes as well as for licensure and certification in a variety of professional areas. The center also offers a variety of personality and psychological tests.

Volunteerism Office

The Student Volunteerism Office acts as an information center regarding current and future programs that have community service components. It acts as a liaison between individual student volunteers and community agencies of similar interest and concern. The office also publicizes and encourages service activities within and among existing student organizations at The University of Memphis.

MS-IS COURSE COMPLETION CHECKLIST

Name: _____ U Number: _____

Course	Course Name	Semester Planned	Semester Taken	Grade
Core (18 Hours)				
MIS 7650*	Info Syst Global Enterprise			
MIS 7700	Fundamentals of Data Analytics			
MIS 7605*	Bus Database Systems			
MIS 7610*	Sys Analysis & Design			
MIS 7620	Business Machine Learning I			
MIS 7640**	Inform Sys Mgmt/Plan			
Electives (15 Hours)				
MIS _____				
MIS _____				
MIS _____				
MIS _____				
MIS _____				

Notes:

MIS 7605 MAY BE REQUIRED to be taken your first semester of enrollment: Please contact Dr. Gillenson to see if this is the case. He can be reached at mgillnsn@memphis.edu.

*We strongly recommend that you begin your program by taking MIS 7650, followed by MIS 7605 and MIS 7610.

**The last course you should take is the capstone course, MIS 7640 (offered in the fall semester only).

GRADUATE CERTIFICATE COURSE COMPLETION CHECKLIST Business Project Management (BPMG)

Name: _____ U Number: _____

Course	Course Name	Semester Offered	Semester Planned	Semester Taken	Grade
Choose One					
MIS 7605	Business Database Systems	Spring and Fall			
COMP 7115	Database Systems				
Choose One					
MIS 7610	Systems Analysis and Design	Spring and Fall			
COMP 7012	Found. of Software Engineer.				
Required					
MIS 6672	Project Mgmt Tools/Lead	Spring and Fall			
MIS 7671	Project and Change Mgmt	Fall			

Notes:

***Please Note:

MIS 7605 – no pre-requisites

MIS 7610 – no pre-requisites

MIS 6672 – no pre-requisites

MIS 7671 – pre-requisite or co-requisite: MIS 7610

GRADUATE CERTIFICATE COURSE COMPLETION CHECKLIST Business Information Assurance (BSIA)

Name: _____ U Number: _____

Course	Course Name	Semester Offered	Semester Planned	Semester Taken	Grade
Choose Two					
MIS 7455	Cyber Ethics in Info Technology	Spring			
MIS 7670	Information Security Mgmt	Fall			
ACCT 6241	Advanced Auditing				
Choose Two					
MIS 6160	Mobile Application Devel.				
MIS 7615	Enterprise Network & Security				
MIS 7650	Info Systems Global Enterprise	Spring and Fall			
FIR 7155	Global Financial Mgmt				
ACCT 7420	Accounting Database/Systems				
CJUS 6180	Corporate/White Collar Crime				

Notes:

***Please Note:

MIS 7455 – pre-requisite: 9 hours of graduate credit or instructor permission

MIS 7670 – no pre-requisites

MIS 6160 – no pre-requisites

MIS 7615 – no pre-requisites

MIS 7650 – no pre-requisites

**GRADUATE CERTIFICATE
COURSE COMPLETION CHECKLIST
Data Analytics for Management (DAMT)**

Name: _____ U Number: _____

Course	Course Name	Semester Offered	Semester Planned	Semester Taken	Grade
Required					
MIS 7620	Business Machine Learning I	Spring and Fall			
MIS 7700	Fundamentals of Data Analytics	On Hold			
MIS 7710	Web Analytics	Spring			
MIS 7720	Bus. Artificial Intelligence	Spring			

Notes:

***Please Note:

MIS 7620 – no pre-requisites

MIS 7700 – no pre-requisites

MIS 7710 – no pre-requisites

MIS 7720 – no pre-requisites

GRADUATE CERTIFICATE COURSE COMPLETION CHECKLIST Data Analytics for Technology (DATC)

Name: _____ U Number: _____

Course	Course Name	Semester Offered	Semester Planned	Semester Taken	Grade
Required					
MIS 7190	Programing for Business	Spring and Fall			
Choose One					
MIS 7660	Advanced Data Management	Spring			
COMP 7116	Advanced Database Systems				
Choose One					
MIS 7620	Business Machine Learning I	Spring and Fall			
COMP 7118	Topics in Data Mining				
Required					
MIS 7621	Business Machine Learning II	Spring and Fall			

Notes:

***Please Note:

MIS 7190 – Pre-requisite: permission of instructor

MIS 7660 – Pre-requisite: MIS 7605

MIS 7620 – no pre-requisites

MIS 7621 – pre-requisite or co-requisite: MIS 7620 or instructor permission

**GRADUATE CERTIFICATE
COURSE COMPLETION CHECKLIST
Software Testing (SWTS)**

Name: _____ U Number: _____

Course	Course Name	Semester Offered	Semester Planned	Semester Taken	Grade
Required					
MIS 6681	Fundamentals of Software Test.				
MIS 6682	Advanced Software Testing				
MIS 7610	Systems Analysis & Design				
MIS 7655	Adv. Systems Analysis & Design.				

Notes:

***Please Note:

MIS 6681 - no pre-requisites

MIS 6682 - Pre-requisite: MIS 6681

MIS 7610 - no pre-requisite

MIS 7655 - Pre-requisite: MIS 7610

MSIS Course Requirements

Courses required for every student earning the MSIS degree			
Area	Course #	Course Title	Prerequisites & Corequisites
MIS	7650	Information Systems Global Enterprise	
MIS	7700	Fundamentals of Data Analytics	
MIS	7605	Business Database Systems	
MIS	7610	Systems Analysis and Design	
MIS	7620	Machine Learning I	
MIS	7640	Information Systems Management & Planning	PREREQUISITE: MIS 7605 COREQUISITE: MIS 7610
Plus Five elective courses approved by departmental advisor			
Any electives not listed here must be approved by advisor in advance.			
			Prerequisites & Corequisites
MIS	6160	Mobile Application Development	
MIS	6672	Project Mgmt Tools/Leadership	
MIS	6681	Fundamentals of Software Testing	
MIS	6682	Advanced Software Testing	MIS 6681
MIS	7170	Global Info Tech Management	
MIS	7190	Programming for Business	PREREQUISITE: permission of instructor.
MIS	7435	Web Site Development	
MIS	7455	Cyber Ethics in IT	PREREQUISITE: 9 hours of graduate credit or permission of instructor.
MIS	7615	Enterprise Networking & Security	
MIS	7621	Machine Learning II	PREREQUISITE or COREQUISITE: MIS 7620 or instructor permission.
MIS	7630	Information Systems Projects	PREREQUISITE: MIS 7610
MIS	7655	Advanced Systems Analysis and Design	PREREQUISITE: MIS 7610
MIS	7660	Advanced Data Management	PREREQUISITE: MIS 7605
MIS	7665	Adv Business Computer Environment	MIS 7605, 7610 and 7615
MIS	7670	Information Security Management	
MIS	7671	Project/Change Management	PREREQUISITE or COREQUISITE: MIS 7610 or equivalent
MIS	7710	Web Analytics	
MIS	7720	Business Artificial Intelligence	
MIS	7910	Problem Management Info. Systems	

Course Descriptions

MIS 6160 - Mobile Application Development (3)

Intermediate level business application program development using languages and techniques widely employed in business environment. PREREQUISITE: MIS 2845, or equivalent.

MIS 6672 - Project Mgmt Tools/Lead (3)

Computer-based project management tools and project management leadership roles and techniques.

MIS 6681 - Fundamental/Software Testing (3)

Software testing objectives, planning, techniques, and organizational options. Manual and automated software testing techniques and test case generation methodologies.

MIS 6682 - Advanced Software Testing (3)

Topics include advanced software testing methods, the roles of software testers and users at all stages of software development, walkthroughs, inspections, and reviews, testing in standard versus agile developments environments. PREREQUISITE: MIS 4681/6681.

MIS 7170 - Global Info Tech Mgmt (3)

Information technology's impact on globalization of businesses; international IT environment; models and issues in international IS; planning and managing global systems; case studies and applications. PREREQUISITE: permission of instructor.

MIS 7190 - Programming For Business (3)

Fundamentals of programming for business projects, including Internet-based business applications and object-oriented programming languages. PREREQUISITE: permission of instructor.

MIS 7435 - Web Site Devel (3)

Focuses on Internet, intranets, and other online technologies to develop and maintain the enterprise web site in a business environment; web mastering techniques include coverage of web site creation, design, programming, planning, enhancement, and maintenance.

MIS 7455 - Cyber Ethics in IT (3)

Business ethics and computer ethics issues and concepts in an online environment, including relevant topics such as privacy, freedom of expression, intellectual property, software development and testing, and related IT management decisions. PREREQUISITE: 9 hours of graduate credit or permission of instructor.

MIS 7605 - Bus Database Systems (3)

Management of database for effective support of management information systems. Topics include characteristics and design of schemas and subschemas for hierarchical, network, and relational data models.

MIS 7610 - Sys Analysis & Design (3)

Comprehensive structured approach to application system development process; emphasis on requirements analysis, logical specifications, structured design, and implementation of information systems.

MIS 7615 - Enterprise Network & Security (3)

Introduction to concepts and terminology of data communication, network design, and distributed information systems; topics include equipment protocols and architectures, transmission alternatives, the communications environment, regulatory issues, and network pricing and management.

MIS 7620 – Machine Learning I (3)

Business Intelligence is the study of computerized support for management decision making. Topics include data mining, artificial neural networks, text and web mining, data warehousing, expert systems, and [knowledge management](#).

MIS 7621 – Machine Learning II (3)

This advanced course in business analytics goes into depth in techniques and methods applied to real world problems and data. Techniques covered include: artificial neural networks, decision trees, nearest neighbor approaches, predictive modeling, and genetic algorithms. The emphasis will be on application in business. The course will provide guidance on building the business case and the model including problem definition and data evaluation, and evaluation of the model. Hands-on exercises will be required using analytics packages/languages as Tableau, Rapid Miner, IBM Modeler, Microsoft SQL, R. PREREQUISITE or COREQUISITE: MIS 7620, or instructor permission.

MIS 7630 - Information Systems Proj (3)

Development or evaluation or both of specialized software product; field studies to collect and analyze data pertinent to significant information systems issues. PREREQUISITE: MIS 7610. Grades of A-F, or IP will be given.

MIS 7640 - Inform Sys Mgmt/Plan (3)

Information systems planning and management for the corporate executive and information systems manager; emphasis on information as a critical resource and its role in policy and long-range planning. PREREQUISITES: MIS 7605. COREQUISITES: MIS 7610.

MIS 7650 - Info Syst Global Enterprise (3)

Information systems and their roles and applications in global enterprises, including conceptual foundations, business applications, impacts on organizational behavior, and how IT may be used to implement global strategies to gain competitive advantage.

MIS 7655 - Adv Systems Analysis and Design (3)

Advanced concepts in information systems planning and development with focus on current information technologies and systems development practices that lead to timely delivery of effective information systems solutions; special attention on communication and interpersonal skills required for today's systems development activities. PREREQUISITE: MIS 7610.

MIS 7660 - Advanced Data Management (3)

Advanced concepts in data management and in the strategic use of data. Topics will be selected from data strategy, business intelligence, data mining and the strategic use of data warehouses, data quality, the business value of data, unstructured data, modern data administration, master data management, data management in cloud computing, data issues in agile development, and other contemporary data topics.

MIS 7665 - Adv Business Compt Env (3)

Technical aspects and managerial implications of several state-of-the-art technologies with potential effects on competitive advantage, probability and cost, and personnel resources. PREREQUISITES: MIS 7605, 7610, and 7615; or permission of the instructor.

MIS 7670 - Information Security Mgmt (3)

Comprehensive survey of technical and managerial aspects of computer and network security in the business environment. Emphasis is on managerial issues and decisions related to selecting and managing all aspects of information security.

MIS 7671 - Project/Change Mgmt (3)

Overview of theoretical and practical concepts in management of IT projects; explores unique and particular challenges resulting from rapid technological change and dynamic business environments; difficulty of managing changes in organizations resulting from introducing or revising information systems, emphasizing change management role of the IS specialist. PREREQUISITE or COREQUISITE: MIS 7610 or equivalent

MIS 7910 - Prob Mgmt Info Syst (1-6)

Directed independent research projects in an area selected by the student with approval of supervising faculty member and Faculty Director. Proposed plan of study must be approved prior to enrollment. Grades of A-F, or IP will be given.

Notes