Graduate Certificates

*In some cases, with special permission, SPRT core classes may be substituted for a required class.
*Please confirm all classes with the Graduate Catalog.

Certificate	Description	Required Classes

Business Information Assurance	The Business Information Assurance (BIA) certificate 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.	Requirements: 12 credit hours
		Two courses from this group:
		  MIS 7455 – Cyber Ethics in Information Technology*
		  MIS 7670 – Computer and Network Security
		  ACCT 6241 – Auditing and Assurance
		  ACCT 7241 – Internal Auditing
		  *COMP 7900 – Cyber Ethics may be substituted for MIS 7455
		Two courses from this group:
		  MIS 7160 – Computer Hardware/System Software
		  MIS 7615 – Data Communications Systems/Networks
		  ACCT 7420 – Accounting Databases/Systems
		  CJUS 6180 – Corporate/White Collar Crime

Business Intelligence and Analytics	The Business Analytics Discipline has become very important in information systems and industry, due to increased access to big data, unstructured and structured data, and strategic business decision making. These increasingly complex decision making capabilities lead directly to competitive advantage and increased profits. Thus, trained business analysts with skills in addressing data management and business intelligence and analytics are in high demand.	Requirements: 12 credit hours
		One course from this group:
		  MIS 7190 Programing For Business
		  PUBH 7156 SAS for Health Research
		One course from this group:
		  MIS 7660 Advanced Data Management
		  COMP 7116 Advanced Database Systems
		One course from this group:
		  MIS 7620 Business Intelligence
		  COMP 7118 Topics in Data Mining
		Three hours:
		  MIS 7621 Data Analytics for Business

Business Project Management	The Business Project Management certificate allows individuals to: Provide knowledge of the theoretical and practical concepts of managing IT projects, Understand and be able to perform project management activities, Understand and be able to use project management tools and techniques, Understand the role of project managers in the modern organization, Explore unique and particular challenges resulting from rapid technological change in dynamic business environments, and Exploring the role of the IS business professional in change management.	Requirements: 12 credit hours
		One course from this group:
		  MIS 7605 – Business Database Systems
		  COMP 7115 – Database Systems
		One course from this group:
		  MIS 7610 – Systems Analysis and Design
		  COMP 7012/8012 - Foundations of Software Engineering
		Both courses below:
		  MIS 7671 – Project and Change Management
		  MIS 7672 – Advanced Project Management

Cyber Security and Information Assurance	This certificate highlights important aspects of information security and assurance technologies. It provides students with knowledge of contemporary and historical trusted computing systems from an operational, theoretical, and design standpoint and will allow you to have detailed discussion on security-specific hardware, software, and methodologies. This certificate program meets national standards that will prepare students to serve the state and the country in a critical area of vulnerability in information infrastructure. It will also educate students on ethical, management, policies and legal issues, and requirements in the field of information assurance.	Requirements: 12 credit hours
		Two courses from this group:
		  COMP 6410. Computer Security
		  COMP 7120-8120 (Same as MIS 7670). Cryptography and Data Security
		  COMP 7327-8327. Network and Internet Security
		Note: Non-computer science students must take the prerequisite COMP 3825 (Networking and Information Assurance) or equivalent before taking any of the above COMP courses.
		Two courses from this group:
		  COMP 6272. System Administration and UNIX Programming
		  COMP 7900. Cyber Ethics
		  COMP 7125. Computer Forensics (New)
		  LAW 386. Cyber Law
		  CJUS 6180. Corporate & White Collar Crime

Entrepreneurial Journalism	The Entrepreneurial Journalism Certificate program prepares students to start their own media-related businesses or bring innovation to legacy media organizations. It will emphasize knowledge of business fundamentals, marketing, advertising and public relations strategies for new businesses, and creating digital, multimedia content for media products or promotions.	Requirements: 12 credit hours
		Six hours:
		  JOUR 7100 Entrepreneurial Media (3)
		  JOUR 7300 Social Media Theory and Practice (3)
		Two courses from this group:
		  UNIV 7110 Launch Memphis 48 Hour Launch (2)
		  UNIV 7110 LaunchMemphis BarCamp, SocialCamp, MobileCamp (2)
		  UNIV 7110 Business Plan Boot Camp (1)
		  UNIV 7110 Launch Memphis ad hoc mentoring (3)
		  JOUR 7650 Startup Journalism Practicum (3)
		  MGMT 7270 Venture/Bldg/Sustaining a Successful Enterp (3)
		  FIR 7648 - Evaluating/Finance New Projects (3)
		  ACCT 7412 - Legal/Accounting Aspects of Entrepreneurship (3)

Instructional Design and Technology	The focus of this program is to develop the technology competencies needed for the development, utilization, and integration of instructional computing technology. This track is designed for instructional designers and developers who work in non-education related settings such as business, government, military, and health care.	Requirements: 12 credit hours
		  IDT 7070/8070 Instructional Design Process I
		  IDT 7080/8080 Instructional Design Process II
		  IDT 7063/8063 Seminar Instructional Computing
		  IDT 7090/8090 Dev Interactive Lrng Environment I

Local Government Management	The objectives of the certificate program are: (1) Help working professionals upgrade their knowledge of local government and theory. (2) Empower graduates of the program to succeed as effective and ethical leaders in local government administration. (3) Enhance the analytical and management capabilities of local government professionals.	Requirements: 15 credit hours
		Nine hours:
		  PADM 6221, Urban Administration
		  PADM 7602, Public Budgeting and Finance
		  PADM 7224, Seminar in Urban Problems
		Two courses from this group:
		  PADM 7605, Human Resources Administration
		  PADM 7612, Program and Policy Evaluation
		  PADM 7603, Public and Nonprofit Contract Administration
		  PLAN 7000, Introduction to Planning
		  PLAN 7202, Land Use Planning
		  POLS 6222, Urban Politics

Philanthropy and Nonprofit Leadership	The Certificate in Philanthropy and Nonprofit Leadership is designed to meet the needs of graduate students, employees and volunteers looking for advanced study in the theory and practice of nonprofit administration. Ideal for nonprofit professionals, community volunteer leaders and active philanthropists, the Certificate provides knowledge and skills to help strengthen the leadership capacity of nonprofit organizations and promote ethical and effective nonprofit administrative practice.	Requirements: 15 credit hours
		Twelve hours:
		   PADM 7641 Theory and Practice of Nonprofits
		   PADM 7605 Human Resources Administration
		   PADM 7642 Resource Development for Nonprofits
		   PADM 7643 Nonprofit Leadership and Philanthropy
		Three hours:
		   Elective

Urban Education	This certificate program offers an advanced program of study in the expansive and distinct historical and contemporary knowledge, scholarship, and practical issues related to instruction and curriculum leadership in an urban educational context that has a diverse population, is geographically bounded, and is unique in its political, economic and cultural history, relationships, and interactions.	Requirements: 12 credit hours
		   ICL 7702-8702 Advanced Topics in Instruction & Curriculum: Urban Education
		   ICL 7701-8701 Advanced Workshop in Instruction & Curriculum: Urban Education
		   ICL 7706 Family & Community Relations for Teachers
		   ICL 8082 Seminar in Urban Education