

## Graduate Certificate in Enterprise Systems

The Graduate Certificate in Enterprise Systems at UT Dallas emphasizes theoretical concepts in enterprise resource planning and hands on experience using the SAP software. It provides broad exposure to various SAP functional modules such as Sales and Distribution, Supply Chain Management, Customer Relationship Management, Procurement, Human Capital Management, Accounting, and Data Warehousing, and furthermore, the certificate program allows students an opportunity to get an in-depth knowledge of two of these modules. At the end of program, a student will

- Understand and identify the key integration points across various functional areas of large firms.
- Be able to navigate SAP software and complete key business transactions.
- Acquire deep knowledge in at least two functional and/or technical modules of SAP.
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**SAP University Alliance will also issue a “SAP Student Recognition Award” to those students that successfully complete the certificate program. Further, students completing this certificate will also be eligible to attend the TERP10 SAP certification program conducted at UT Dallas.**

The graduate enterprise systems certificate requires the completion of three courses, each with a grade of B or better. Each course is a three-credit-hour, semester-long course offered by the university.

### **Required Course (3 credit hours)**

**MIS 6319 Enterprise Resource Planning** Examines the role of enterprise systems in organizations. It will focus on business processes, business process integration, and information technology for enabling the integration. The course also covers selection and implementation of ERP systems. A part of the course will be set aside for demonstrations and "hands on" exercises with one of the available ERP software.

### **Electives (6 credit hours)**

Choose two courses from the following.

**MIS 6309 Business Data Warehousing** The course will discuss data warehousing principles and techniques and introductory business intelligence. It will focus on SAP business warehousing and reporting. Students will learn how to develop and implement queries that mine existing data which reside in the SAP Business Warehouse.

**MIS 6332 Advanced ERP: Sales and Distribution** The class focuses on advanced process and configuration issues related to ERP implementation. The functional side of sales, distribution, delivery and billing as well as integration with materials management and financial accounting is emphasized. SAP is currently used to discuss and provide hands-on experience with key ideas. Prerequisite: MIS 6319 or consent of the instructor.

**MIS 6369 (OPRE 6369) Supply Chain Software** The course teaches planning and execution of supply chains with software such as SAP's ERP (R3) and Advanced Planning & Optimization (APO). This software is used in lab exercises that provide students with hands-on, experimental learning. The focus is on the supply planning function of supply chain management. Topics include: introduction to ERP and SAP, master and transaction data, MRP, forecasting, supply and demand matching, and integration of ERP and APO modules. This course is intended for graduate students with interests in software-based supply chain management. No SAP experience is required. Prerequisites: OPRE 6301 and OPRE 6302 or the permission of the instructor.

**MIS 6378 (ACCT 6378 and MKT 6338) Enterprise Systems and CRM** The objective of the course is to increase practical skills and conceptual knowledge related to Customer Relationship Management (CRM) utilizing the mySAP.com CRM application, or similar software, as the primary learning tool. Students will garner knowledge of operational, analytical, and collaborative CRM.

**MIS 6379 (ACCT 6379) SAP ABAP Programming** This course provides a thorough understanding of the role of ABAP programming. SAP's programming language, in the implementation and use of enterprise systems. Components of the course include complex report development, SAP query, dialog programming, ABAP Objects, transaction development, EDI/ALE and BAPI development, Business Add-ins (BADIs) and output processing.

**AIM 6338 Accounting Systems Analysis and Design with SAP** Using SAP or similar software, this course focuses on accounting information systems as part of integrated enterprise systems and modern systems analysis and design of integrated accounting systems. Emphasis will be on integrated business processes and related financial transaction flows, system analysis and design methods in SAP with focus on configuration methods.

The following is additional information that may be of interest.

1. Application deadline for domestic applicants are

- a. Fall: July 1
- b. Spring: November 1
- c. Summer: April 1

2. Pricing follows the standard schedule of tuition and fees found online at <http://www.utdallas.edu/finance/bursar/schedule-introduction.html?third=1>.

3. The courses are typically offered in the evening to accommodate working professionals. Furthermore, students may choose to take courses online instead of in the classroom, schedule permitting. The online course catalog <http://www.utdallas.edu/lookup/> has specific details.

4. To apply to the Enterprise Systems Certificate Program, you will have to complete an online application at [www.applytexas.org](http://www.applytexas.org). After creating an account, select the button to "Create a new graduate school application" and then select "The University of Texas at Dallas" as the university and "Information Technology and Management - Non-degree" for the major. Complete all required elements of the application and press submit. This application will then be forwarded to the advising office as a non-degree seeking applicant for the certificate program. The application fee is \$150.

For questions or comments, please contact:

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