

# Enterprise Resource Planning (ERP) Programs

Offered by the Department of Business & Information Technology

## Our ERP Program...



## ERP Courses, Curriculum Options and Certificates

### Certifications

#### ■ Missouri S&T-SAP Certificate of Excellence

Authorized by the SAP Corporation

#### ■ ERP Graduate Certificate

#### ■ Business Intelligence Graduate Certificate

### Curriculum Options

#### ■ Undergraduates

Emphasis Area  
Minor

#### ■ Graduates or Non-Degree

Graduate Certificate in ERP or BI

### ERP Courses

#### Performance Management

ERP 347 Supply Chain Management (SCM)

ERP 341 Enterprise Portal Application Development

ERP 348 Strategic Enterprise Systems (SEM)

ERP 442 Customer Relationship Management

ERP 448 SEM Prototyping (dashboard or scorecard prototyping)

#### Business Intelligence

ERP 345 Business Intelligence

ERP 444 Data Warehouse

IST 443 Data/Text Mining

#### ERP Administration

ERP349 ERP Admin

#### Core ERP System

ERP 246 Intro to ERP

ERP 346 ERP Design

ERP 446 ERP Configuration

#### In planning

Project Management (xRPM, Solution Manager), ERP System Customization, etc.

## Typical ERP Course Schedule and Certification Course Requirements: Undergraduate Program

ERP & Non-ERP Courses	Course	Short Course Title	Course Schedule			Course Focus		SAP Certificate Courses***	Undergraduate Students			
			Spring	Summer	Fall	End User Application	Developer		BIT students	Non-BIT students	ERP Course Suggestions	
									ERP Emphasis	ERP Minor	More IT focused	More end user & Business focused
<b>ERP Courses</b>	ERP 246	Intro to ERP	X		X	X		X	R	R	R	R
	ERP 341	Enterprise Portal	X			X	X	X	E	E	E	
	ERP 345	Use of Business Intelligence			X	X		X	E	E	E	
	ERP 346	ERP Design & Implementation	X		X	X		X	R	R	R	R
	ERP 347	Supply Chain Management Systems			X	X		X	E	E		E
	ERP 348	Strategic Enterprise Management System	X			X		X	E	E		E
	ERP 349	ERP System Administration		X			X	X	E	E	E	
	ERP 442	Customer Relationship Management**			X	X		X				
	ERP/IST 444	Data Warehouse	X				X	X				
	ERP 446	ERP Configuration	X				X	X				
ERP 448	Enterprise Performance Management System Prototyping**			X		X	X					
<b>non-ERP Courses</b>	IST 443	Information Retrieval & Analysis			X	X						
	IST 445	Database Marketing	X			X						
	BUS 120	Financial Accounting	X		X					R		

\* R: Required Certificate/Emphasis/Minor Courses      E: Elective Courses (ERP Emphasis requires two required courses and two elective courses)  
(ERP Minor requires three required courses and two elective courses)

\*\* ERP442 and ERP448 are offered alternately in fall semester. That is, ERP442 and ERP448 will be offered once every other fall semester.

# Typical ERP Course Schedule and Certification Course Requirements: Graduate Program

ERP & Non-ERP Courses	Course	Short Course Title	Course Schedule			Course Focus		SAP Certificate Courses***	Graduate Students						
			Spring	Summer	Fall	End User Application	Developer		ERP Graduate Certificate			BI Graduate		MBA Emphasis	
									Supply Chain	ERP General End Users	ERP Developer	BI End User	BI Developer		
ERP Courses	ERP 246	Intro to ERP	X		X	X		X							
	ERP 341	Enterprise Portal	X			X	X	X	E	E	E				
	ERP 345	Use of Business Intelligence			X	X		X	E	E		R	R	E	
	ERP 346	ERP Design & Implementation	X		X	X		X	R	R	R	E	E	E	
	ERP 347	Supply Chain Management Systems			X	X		X	E	E				E	
	ERP 348	Strategic Enterprise Management System	X			X		X		E		E	E	E	
	ERP 349	ERP System Administration		X			X	X			E				
	ERP 442	Customer Relationship Management**			X	X		X	E			E			
	ERP/IST 444	Data Warehouse	X				X	X			E	R	R		
	ERP 446	ERP Configuration	X				X	X	R	R	R				
ERP 448	Enterprise Performance Management System Prototyping**			X		X	X			E		E			
non-ERP Courses	IST 443	Information Retrieval & Analysis			X	X						E			
	IST 445	Database Marketing	X			X						E			

\* R: Required Certificate Courses      E: Elective Courses (ERP or BI Graduate Certificate requires two required courses and two elective courses)

\*\* ERP442 and ERP448 are offered alternately in fall semester. That is, ERP442 and ERP448 will be offered once every other fall semester.

**Note:**

- Admission to a graduate certificate program requires proof of completion of an undergraduate degree. Students who do not have all of the prerequisites necessary to take the courses in their chosen certificate program will be allowed to take “bridge” courses at either the graduate or the undergraduate level in order to prepare for the necessary certificate courses, prior to starting the certificate courses. Students intending to enter the graduate program corresponding to the certificate must complete all prerequisites to that program before being admitted to it.
- **Entrance into IST M.S. Graduate Program or MBA:** A student that completes a Graduate Certificate at Missouri S&T, having earned a grade of "B" or better in each of the certificate courses, may be admitted to the M.S. program in Information Science & Technology or MBA. The normal application process will be followed, but the minimum undergraduate GPA and GRE score requirement will be waived. Normal course prerequisites still apply.

## Our Co-op/Internship Program



"The real world experience I got at ... is invaluable. My co-workers treated me like a member of the team and were genuinely concerned about my success during my time there."

—Sarah Richmond

### Where our ERP students work...



## ERP Career Outlook

### InformationWeek 2009 U.S. IT Salary Adviser

- How this is calculated

Job Function: Enterprise Resource Planning (ERP)

Position Level: Staff

Geographic Area: United States

### InformationWeek 2009

- How this is calculated

Job Function: Enterprise Res

Position Level: Management

Geographic Area: United States

SALARY		TOTAL COMPENSATION (including bonuses, stock options, etc.)		PERCENT INCREASE IN SALARY OVER LAST YEAR	
High:	110,000	High:	124,750	High:	4.32 %
Median:	99,800	Median:	101,800	Median:	2.39 %
Low:	82,200	Low:	82,200	Low:	0.00 %

SALARY		TOTAL COMPENSATION (including bonuses, stock options, etc.)		PERCENT INCREASE IN SALARY OVER LAST YEAR	
High:	132,000	High:	145,000	High:	4.64 %
Median:	118,909	Median:	124,750	Median:	2.76 %
Low:	96,500	Low:	100,000	Low:	0.00 %