

How to get started...

ERP Curriculum

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ERP Center Profile

Certificates

- Graduate Certificate in ERP
- Graduate Certificate in BI
- SAP Certificate of Excellence

Curriculum

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processes, we have seen recently. Extended Enter

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ERP Center Profile

Curriculum

Summary

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- Course Description

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A student who receives a E

ERP Courses, Curriculum Options and Certificates

Undergraduate

- ERP Emphasis (3 courses)
- ERP Minor (5 courses)

**SAP
Certificate of
Excellence
by SAP
(3 courses)**

Graduate Certificate*

- ERP (4 courses)
- Business Intelligence (BI) (4 courses)

*Undergraduate students can choose to dual enrollment in senior year (discounted tuition)

Graduate

- MS IST
- MBA
- MS Manufacturing Engineering (thesis)
- MEng Manufacturing Engineering
- ...

- Average B or above
→ Waive requirements for GPA, GMAT, GRE
- Certificate courses count toward graduate degree

Typical ERP Course Schedule and Certification Course Requirements

ERP & Non-ERP Courses	Course	Short Course Title	Course Schedule			Course Focus		SAP Certificate Courses***	Undergraduate Students			
			Spring	Summer	Fall	End User Application	Developer		ERP Emphasis	ERP Minor	ERP Course Suggestions	
									for IST or Business major students	for Non-BIT students	More IT focused	More end user & Business focused
ERP Courses	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					
non-ERP Courses	IST 443	Information Retrieval & Analysis			X	X						
	IST 445	Database Marketing	X			X						
	BUS 120	Financial Accounting	X		X					R		

* R: Required Certificate Courses E: Elective Courses

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

ERP Courses with Software & SAP Modules Mapping

ERP & Non-ERP Courses	Course	Course Title	Course Supplement Software/SAP Modules Mappings	Course Schedule			Course Focus		SAP Certificate Courses***
				Spring	Summer	Fall	End User Application	Developer	
ERP Courses	ERP 246	Intro to ERP	SAP ECC: FI, MM, SD, PP, CO	X		X	X		X
	ERP 301	ERP Systems in Health Care Industry	MediTech, OpenVista, etc.		X		X		
	ERP 310	ERP in Small- and Medium Enterprise	SAP Business One, SAP Business by Design			X	X		X
	ERP 341	Enterprise Portal Application Development	SAP Portal, Netweaver technology, Visual Composer, Web Dynpro	X				X	X
	ERP 342	Customer Relationship Management	SAP CRM: Marketing/Campaign Mgt., Lead & Opportunity Mgt., Service & Interaction Center, CRM Analytics, CRM Reporting			X	X		
	ERP 345	Use of Business Intelligence	SAP BW/BI: Data Warehouse, Analytics, Reports, Queries, Data Mining			X	X		X
	ERP 346	ERP Design & Implementation	SAP ECC: FI, MM, SD, PP, CO, HR/HCM	X		X	X		X
	ERP 347	Supply Chain Management Systems	SAP ECC: PP, MM, SD and SAP SCM			X	X		X
	ERP 348	Strategic Enterprise Management System	SAP ECC: FI, CO; SAP BW: Query Reporting, BusinessObjects: Xcelsius	X			X		X
	ERP 358	Sustainability Management Systems	SAP EHS Management, Sustainability Analytics, Carbon impact, BusinessObjects: Xcelsius, Crystal Report			X	X		X
	ERP 349	ERP System Administration	SAP BASIS, Solution Manager		X			X	X
	ERP 442	Advanced Customer Relationship Management in ERP Environment	SAP CRM: Marketing/Campaign Mgt., Lead & Opportunity Mgt., Service & Interaction Center, CRM Analytics, CRM Reporting			X	X		X
	ERP/IST 444	Data Warehouse	SAP BW/BI: Data Warehouse constructions, ETL, Analytics, Reports, Queries	X				X	X
	ERP 446	ERP Configuration	SAP ECC Configuration: FI, MM, SD, PP, CO	X				X	X
ERP 448	Enterprise Performance Dashboards Prototyping	SAP ECC FI, CO, SAP BW/BI: InfoCube design & deployment, ETL: BusinessObjects: Xcelsius, Crystal Report, Explorer, Web Intelligence			X		X	X	
non-ERP Courses	IST 443	Information Retrieval & Analysis	SAS Enterprises Miner, SAS Text Miner, SAP KM			X	X		
	IST 445	Database Marketing	SAS Statistics, SAS Enterprise Miner	X			X		
	BUS 120	Financial Accounting	SAP FI	X		X			
	IST 50	Introduction to MIS	SAP ECC Overview	X		X	X		
	BUS 360	Business Operations	SAP ECC: MM, PP			X	X		

Bachelor of Science, Information Science & Technology

Four Year Schedule for Your Name Here Advisor

Freshman Year

Semester	Fall Semester		Semester	Spring Semester	
	IST 50 Information Systems ^{4,6,9}	3		BUS 11 Intro to College Success II	0.5
	BUS 10 Intro to College Success I	0.5		BUS 110 Management & Org Behavior ^{5,10}	3
	English 20 Exposition & Argumentation	3		BUS 120 Financial Accounting ^{5,8,10}	3
	Math 4 College Algebra	3		Math 12 Business Calculus	4
	Science Elective ³	3		IST 51 Implementation of Info Systems I ^{4,6}	3
	Science Elective Laboratory ³	1		Psych 50 General Psychology ⁹	3

Sophomore Year

Semester	Fall Semester		Semester	Spring Semester	
	IST 151 Implementation of Info Systems I ^{4,6}	3		Econ 121 Microeconomics ^{5,10}	3
	ERP 246 Introduction to ERP^{5,6,8,9}	3		IST 231 Computer Components & Ops ⁶	3
	Econ 122 Macroeconomics ^{5,10}	3		Stat 211 Stat Tools for Decision Making	3
	Eng 65 or Tech Com 65	3		Free Elective ERPXXX	3
	Speech 85 Principles of Speech	3		Science Elective ³	3

Junior Year

Semester	Fall Semester		Semester	Spring Semester	
	IST 223 Database Management ⁶	3		IST 241 E-Commerce ⁶	3
	IST 233 Networks & Communications ⁶	3		IST 243 Systems Analysis ⁶	3
	IST 286 Web & New Media Development ⁶	3		MKT 311 Marketing ^{6,9}	3
	FIN 250 Corporate Finance I ⁶	3		Eng 260 or Tech Com 260 Practicum in Com	3
	IST Elective ⁶ ERPXXX	3		IST Elective ⁶	3

Bachelor of Science, Business and Management Systems

Four Year Schedule for Your Name Here Advisor

Freshman Year

Semester	Fall Semester	Semester	Spring Semester
	Psych 50 General Psychology ⁴ 3		BUS 11 Intro to College Success II 0.5
	BUS 10 Intro to College Success I 0.5		IST 50 Information Systems ⁵⁹ 3
	BUS 110 Management & Org Behavior ⁴⁵ 3		Econ 122 Macroeconomics ⁴⁵⁶ 3
	English 20 Exposition & Argumentation 3		Math 4 College Algebra 3
	Science Elective ³ _____ 3		Eng 65 or Tech Com 65 3
	Science Elective Laboratory ³ _____ 1		Science Elective ³ _____ 3

Sophomore Year

Semester	Fall Semester	Semester	Spring Semester
	IST 51 Implementation of Info Systems I ⁵⁹ 3		IST 151 Implementation of Info Systems II ⁵⁸ 3
	BUS 120 Financial Accounting ⁴⁵⁸ 3		FIN 250 Corporate Finance I ⁴⁵ 3
	Math 12 Business Calculus 4		ERP 246 Introduction to ERP ⁵⁸⁹ 3
	Speech 85 Principles of Speech 3		Poli Sci 90 American Government 3
	Econ 121 Microeconomics ⁴⁵⁶ 3		History Elective _____ 3

Junior Year

Semester	Fall Semester	Semester	Spring Semester
	BUS 320 Managerial Accounting ⁵ 3		BUS 380 Strategic Management ⁵ 3
	MKT 311 Marketing ⁴⁵⁶ 3		Econ 211 Intro to Econ Statistics ⁵ 3
	Stat 211 Stat Tools for Decision Making ⁵ 3		Eng 260 or Tech Com 260 Practicum in Com 3
	Business elective ⁵ ERPXXX 3		Business Elective ⁵ ERPXXX 3
	Speech or Tech Com Elective ⁷ _____ 3		Free Elective _____ 3

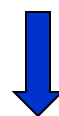
ENTERPRISE RESOURCE PLANNING

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ERP Center Profile

Corporations world-wide have focused on improving business processes for the past two decades. In their efforts to use information technology more effectively in enabling business processes, we have seen the emergence and growth of Enterprise Systems, and more recently, Extended Enterprise Systems such as *Supply Chain Management (SCM)*, *Customer Relationship Management (CRM)*, *Strategic Enterprise Management (SEM)*, *Performance Dashboards and Scorecards*, and *Business Intelligence*.

Most Fortune 500 companies have already adopted **Enterprise Resource Planning (ERP)** systems and many midsize companies are also planning ERP implementations.



Quick Links

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- Graduate Students

Multimedia

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Learn more...

News

- [Apr 22] SAS Training Workshops for Missouri S&T Faculty
- [Apr 20] Spring 2010 ERP SAP Live Simulation Competition