

ERP Courses, Computer & Software Skills, Curriculum Mapping

ERP & Non-ERP Courses	Course	Course Title	Course Supplement Software/SAP Modules Mappings	Course Schedule			Course Focus		Joint Industry Certificate		Undergraduate Students Curriculum Options			Graduate Certificate (4 courses)			
				Spring	Summer	Fall	End User Application	Developer	SAS Analytics Certificate (4 courses)		SAP Certificate Courses (3 courses)	ERP Emphasis (3 courses, BIT students)	ERP Minor (5 courses)	Digital Supply Chain Minor (5 courses)	ERP	Business Intelligence	Digital Supply Chain
									Undergraduate	Graduate							
ERP Courses	ERP 2110	Intro to ERP	SAP ECC: FI, MM, SD, PP, CO, HR/HCM	X		X	X			X	major core*	R					
	ERP 4110	ERP Systems in Health Care Industry	MediTech, OpenVista, etc.		X		X					E	E		E		
	ERP 4220	Introduction to Enterprise Decision Dashboard Prototyping	SAP BW/BI: SAP HANA Studio, HANA Cloud Platform (HCP), Fiori, Predictive Analytics/Lumira, SAP Designer Studio, SAS Visual Analytics & Statistics, IBM Watson Analytics			X		X	R		X	E	E				
	ERP 4610	Customer Relationship Management	SAP CRM: Marketing/Campaign Mgt., Lead & Opportunity Mgt., Service & Interaction Center, CRM Analytics, CRM Reporting; SAP Mobility (Eclipse), SAS Enterprise Miner			X	X	X	E		X	E	E	R2(note 2)			
	ERP 5110	ERP Design & Implementation	SAP ECC: FI, MM, SD, PP, CO, HR/HCM	X		X	X			X	E	R	R	R	E	E	
	ERP 5130	ERP in Small- and Medium Enterprise	Microsoft Dynamics, Power BI, CRM		X		X					E	E		E		
	ERP 5210	Dashboards, Scorecards, and Data Visualization	SAP ECC: FI, CO; SAP Design Studio, SAP BW: BEx Query Reporting, Tableau; SAP Predictive Analytics/Lumira, ; IBM Watson Analytics Platform	X			X	X			X	E	E		E	E	
	ERP 5240	Enterprise Portal and Mobile Application Development	SAP Portal, Netweaver technology, Visual Composer, Web Dynpro; SAP Mobility (Eclipse); SAP UI5	X				X			X	E	E		E		
	ERP 5310	Supply Chain Management Systems	SAP ECC: PP, MM, SD; SAP SCM: SAS Visual Analytics & Visual Statistics			X	X	X	E (after F16)	E (after F16)	X	E	E	R	E		R
	ERP 5410	Use of Business Intelligence	SAP BW/BI: Data Warehouse, BEx queries, InfoCube; SAP HANA: BusinessObjects Predictive Analytics/Lumira & R, Web Intelligence, Business Explorer			X	X	X			X	E	E	E	E	R	E
	ERP 5510	ERP System Administration	SAP BASIS, Solution Manager		X			X			X	E	E		E		
	ERP 6120	ERP Configuration	SAP ECC Configuration: FI, MM, SD, PP, CO	X				X			X				R		E
	ERP 6220	Data Modeling & Visualization Prototyping for Enterprise Decision Dashboards	SAP HANA Studio (data modeling, provisioning, ETL), Predictive Analytics/Lumira, HANA Cloud Platform (HCP), Fiori, SAP Designer Studio, SAS Visual Analytics & Visual Statistics, IBM Watson Analytics, SAP Web IDE			X		X		E	X				E	E	
	ERP/IST 6444	Data Warehouse	SAP BW/BI: Data Warehouse constructions, ETL, Analytics, Reports, BEx Queries, SAP HANA Studio	X				X			X				E	R	
ERP 6610	Advanced Customer Relationship Management in ERP Environment	SAP CRM: Marketing/Campaign Mgt., Lead & Opportunity Mgt., Service & Interaction Center, CRM Analytics, CRM Reporting; SAP Mobility (Eclipse), SAS Enterprise Miner			X	X	X		E	X				E	E	E	
Business & IST Courses	IST 1750	Introduction to MIS	SAP ECC Overview	X		X	X										
	IST 6443	Information Retrieval & Analysis	SAS Enterprise Miner, SAS Text Miner, SAP Predictive Analytics (Social Network Analysis)			X	X			RL (Note 4)					E		
	IST 6445	Database Marketing	SAS Base, SAS Enterprise Miner	X			X			RL (Note 4)					E		
	BUS 1210	Financial Accounting	SAP FI	X		X	X						R1 (note 1)				
	BUS 3360	Business Operations				X	X							R1 (note 1)			
BUS 6425	Supply Chain and Project Mgt.		X			X										RG1 (note 3)	
ME & Emgt Courses	Emgt 2211	Engineering Accounting and Finance		X		X							R1 (note 1)				
	ME 3653	Manufacturing		X		X								R1 (note 1)			
	Emgt 3310	Operations and Production Mgt.		X		X								R1 (note 1)			
	Emgt 5614	Supply Chain Management												R1 (note 1)		RG1 (note 3)	
	ME 5708	Rapid Product Design and Optimization				X							E			RG1 (note 3)	
	Emgt 5615	Production Planning And Scheduling		X												RG1 (note 3)	
	ME 5656	Design for Manufacture		X									E			E	
	ME 5757	Integrated Product and Process Design		X									E			E	
ME 5760	Probabilistic Engineering Design		X									R2(note 2)			E		
ME 5763	Principles and Practice of Computer Aided Design				X							E			E		
Statistics Courses	STAT 5260	Statistical Data Analysis using SAS	SAS Base		X				E	E							
	STAT 5346	Regression Analysis	SAS Base	X					E	E							
	STAT 5353	Statistical Data Analysis	SAS Base			X			E	E							

R: Required Certificate/Emphasis/Minor Courses

E: Elective Courses (ERP Emphasis: any three ERP courses; ERP Minor has three required courses and two elective courses; Digital Supply Chain Minor: has 3 required courses and 2 elective courses)

ERP or BI Graduate Certificate has two required courses and two elective courses; Digital Supply Chain has three required courses and one elective)

Note 1: Choose ONE course from this group

Note 2: Choose ONE course from this group

Note 3: Choose ONE course from this group

Note 4: Choose AT LEAST ONE from this group