

MSIS Assessment Evaluation Activities

Mapping courses to ICCP subject areas

ICCP Subject Areas	Prereq		Foun		Core					
	CIS	BUS	INFS	INFS	INFS	INFS	INFS	INFS	INFS	INFS
	595	595	601	612	634	684	730	750	755	780
1 Human&Organization Framework				✓						✓
1.1 Business Environment		✓		✓						✓
1.1.1 Business functions		✓		✓						
1.1.2 Organizational structures		✓		✓						
1.1.3 Economic viability		✓								
1.1.4 Legal considerations		✓								
1.1.5 Strat&competitive use of IS		✓							✓	✓
1.1.6 Strategic value of data		✓							✓	✓
1.2 Management				✓					✓	✓
1.2.1 General management										✓
1.2.2 Management of IT & services										✓
1.2.3 Project management	✓									
1.3 Technology Transfer				✓					✓	
1.3.1 Managing change										✓
1.3.2 Delivery mechanism										✓
1.3.3 Support										✓
1.4 Interpersonal Communication		✓								
1.4.1 Receiving comm from others		✓								
1.4.2 Sending comm to others		✓								
1.4.3 Motivational aspects		✓								
1.5 Professional Issues		✓		✓	✓					✓
1.5.1 Ethics					✓					✓
1.5.2 Organizational values		✓		✓	✓				✓	✓
2 System concepts										
2.1 Types of Systems			✓		✓				✓	
2.1.1 Operational					✓					
2.1.2 Management information					✓					
2.1.3 Strategic info & dec supp										✓
2.1.4 Office information										
2.1.5 Process control										✓
2.2 Application strategies			✓		✓					✓
2.2.1 Gen vs special purpose										✓
2.2.2 Distribution										✓
2.2.3 Types of processing				✓						
3 Data and Information										
3.1 Data Architectures						✓				
3.1.1 Terminology	✓					✓				
3.1.2 Relationships						✓				
3.1.3 Modeling					✓	✓				
3.2 Data Management					✓	✓				
3.2.1 Ownership						✓				
3.2.2 Data integrity & controls						✓				
3.2.3 Data management systems						✓				
3.2.4 Cent vs dist databases						✓				
3.2.5 External sources						✓				

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4 Systems Development										
4.1 Systems Development Cycle					✓				✓	
4.1.1 Feasibility study		✓			✓					
4.1.2 Analysis	✓				✓					
4.1.3 Design	✓				✓					
4.1.4 Construction	✓				✓					
4.1.5 Implementation	✓				✓					
4.1.6 Post implementation					✓					
4.2 Systems Integration					✓				✓	
4.2.1 Multi-vendor environment					✓				✓	✓
4.2.2 Intersystem relationships				✓	✓				✓	
4.2.3 Connectivity				✓	✓			✓	✓	
4.2.4 Added complexities					✓					
4.3 Tools & Techniques	✓		✓		✓					
4.3.1 Sys & prog des tool&tech	✓				✓					
4.3.2 Programmer prod tools	✓			✓	✓					
5 Technology										
5.1 Hardware			✓							
5.1.1 Processors			✓							
5.1.2 I/O devices			✓							
5.1.3 Data communications			✓							
5.2 Software			✓							
5.2.1 Operating systems & utilities			✓							
5.2.2 Languages	✓		✓							
5.2.3 Applications			✓							
5.2.4 End-user products			✓							
5.2.5 Other			✓							
6 Associated disciplines										
6.1 Financial man & analysis		✓		✓						✓
6.1.1 Fin statements & analysis		✓								
6.1.2 Fin planning & control		✓								✓
6.1.3 Business mathematics		✓								
6.2 Management Science		✓		✓						
6.2.1 Simulation		◇								
6.2.2 Optimization		◇								
6.3 Systems Auditing										
6.3.1 Audit process										
6.3.2 System controls										
6.3.3 Testing EDP controls										
6.4 Mathematics		◇								
6.4.1 Algebraic notation & comp		◇								
6.4.2 Time series analysis		◇								
6.4.3 Graphical analysis		◇								
6.5 Statistics		◇								
6.5.1 Probability		◇								
6.5.2 Descriptive statistics		◇								
6.5.3 Correlation & regression an		◇								

Covered ✓

As Time Permits ◇