

MS MIS CONCENTRATIONS (12 CREDIT HOURS)

ELECTRONIC COMMERCE		
Course #	Course Name	
REQUIRED COURSES (6 HRS)		
ISQA 8180	E-Commerce	OD
ISQA 8570	Info Security/Policy/Ethics	OD
ELECTIVE COURSES (6 HRS)		
ISQA 8525	Graphical UI Design	Spr
ISQA 8460	IOT, Big Data & the Cloud	Spr
ISQA 8750	Data Visualization	Fall
ISQA 8080/86	Seminar in MIS	
ISQA 8900	Independent Research	
ISQA 8990	ISQA Thesis (3 cr hrs)	

INFORMATION ASSURANCE		
Course #	Course Name	
REQUIRED COURSES (9 HRS)		
ISQA 8546	Computer Security Mgmt	Fall/Spr
ISQA 8570	Info Security/Policy/Ethics	OD
ISQA 8580	Sec Risk Mgmt/Assessment	OD
ELECTIVE COURSES (3 HRS)		
ISQA 8560	Info Warfare/Security	OD
ISQA 8080	Seminar in MIS	
ISQA 8900	Independent Research	
ISQA 8086	Special Topics: ISQA	
CYBR 8490	Cyber Investigations	Spr
ISQA 8990	ISQA Thesis (3 cr hrs)	

DATA MANAGEMENT		
Course #	Course Name	
REQUIRED COURSES (9 HRS)		
ISQA 8206	Info/Data Quality Mgmt	Fall
ISQA 8306	Database Administration	Fall
ISQA 8700	Data Mining: Theory/Prac	Spr

PROJECT MANAGEMENT		
Course #	Course Name	
REQUIRED COURSES (6 HRS)		
ISQA 8810	IT Project Fundamentals	Fall
ISQA 8820	Project Risk Mgmt	Spr
ELECTIVE COURSES (6 HRS)		
ISQA 8570	Info Security/Policy/Ethics	OD
ISQA 8196	Proc Re-Eng w/IT	Spr
ISQA 8080	Seminar in MIS	
ISQA 8086	Special Topics: ISQA	
ISQA 8900	Independent Research	
ISQA 8990	ISQA Thesis (3 cr hrs)	

GEOGRAPHIC INFORMATION SYSTEMS		
Course #	Course Name	
REQUIRED COURSES (12 HRS)		
GEOG 8535	Cartography & GIS	Fall/Spr
GEOG 8056	Geographic Info Systems I	Fall/Spr
GEOG 8666	Geographic Info Systems II	Fall

HEALTH INFORMATICS (12 CREDIT HRS)		
Course #	Course Name	
REQUIRED COURSES (6 HRS)		
BMI 8100	Health Informatics	Fall
BMI 8850	Biomed for Nonmed Prof	Spr
CHOOSE ONE (3 HRS)		
ISQA 8196	Proc Re-Eng w/IT	Spr
ISQA 8206	Info/Data Quality Mgmt	Fall
ISQA 8525	Graphical UI Design	Spr
ISQA 8700	Data Mining: Theory/Prac	Spr
ISQA 8810	IT Project Fundamentals	Fall
ISQA 8750	Interact Data Visualization	Fall
ELECTIVE COURSES (3 HRS)		

DATA ANALYTICS		
Course #	Course Name	Offered
DATA ENGINEERING (3 HRS - ISQA)		
ISQA 8016	Business Intelligence	Spr
ISQA 8206	Info/Data Quality Mgmt	Fall
ISQA 8450	NOSQL/Big Data Tech	Spr/Sum
ISQA 8460	IOT, Big Data & the Cloud	Spr
ISQA 8600	Data to Decisions	Fall
ISQA 8700	Data Mining: Theory/Prac	Spr
CSCI 8350	Data Warehousing/Mining	Fall Even Yrs
DATA ANALYTICS (3 HRS - ISQA)		
ISQA 8156	Adv Stat Methods for IT	Fall/Spr
ISQA 8340	App Regression Analysis	Fall
ISQA 8700	Data Mining: Theory/Prac	Spr
ISQA 8720	Applied Machine Learning	Fall
ISQA 8736	Decision Support Systems	Fall
ISQA 8160	Applied Dist. Free Statistics	
ISQA 9120	App Experimental Des/Anal	OD
ISQA 9130	Multivariate Data Analysis	OD
CSCI 8156	Graph Theory & App	
ECON 8310	Business Forecasting	Fall
CSCI 8306	Deterministic Ops Research	Fall
CSCI 8360	Machine Learning for Text	
DATA VISUALIZATION (3 HRS - ISQA)		
ISQA 8525	Graphical UI Design	Spr
ISQA 8750	Storytelling with Data	Fall
GEOG 8535	Cartography & GIS	Fall/Spr
ELECTIVES (3 HRS)		

IT AUDIT/CONTROL		
Course #	Course Name	
PREREQUISITE COURSE (3 HRS)		

ELECTIVE COURSES (3 HRS)		
ISQA 8016	Business Intelligence	Spr
ISQA 8450	NOSQL/Big Data Tech	Sum
ISQA 8736	Decision Support Systems	Fall
GEOG 8535	Cartography & GIS	Fall/Spr
GEOG 8056	Geographic Info Systems I	Fall/Spr
ISQA 8080/86	Seminar in MIS	
ISQA 8900	Independent Research	
ISQA 8990	ISQA Thesis (3 cr hrs)	

BMI 8080	Seminar in BMI	
ISQA 8080	Seminar in MIS	
ISQA 8086	Special Topics: ISQA	
BMI 8896	Genetic Sequence Analysis	
ISQA 8900	Independent Research	
BMI 8970	Indep Study in BMI	
ISQA 8990	ISQA Thesis (3 cr hrs)	

BSAD 8110	ACCT/FIN Fundamentals	
REQUIRED COURSES (6 HRS)		
ACCT 8280	Seminar in AIS	Fall
ISQA 8570	Info Security/Policy/Ethics	OD
ELECTIVE COURSES (6 HRS)		
ISQA 8546	Computer Security Mgmt	Fall/Spr
ISQA 8196	Proc Re-Eng w/IT	Spr
ACCT 8066	Adv Managerial Accounting Prereq: ACCT 3050	Fall/Spr
ACCT 8090	Info Systems Auditing Prereq: ACCT 4080	Spr
ISQA 8080	Seminar in MIS	
ISQA 8086	Special Topics: ISQA	