Optional Tracks

BUSINESS INTELLIGENCE & ANALYTICS TRACK

Complete the following 2 required (for all MISM) classes, as well as all other required MISM /BSIS courses:

- IS 555 – Advanced Data Analytics for Organizations
- IS 552 – MISM Capstone – project should integrate as many of the concepts of the BI track classes as is practical

Complete 3 of the following elective classes, plus 4 additional electives, for a total of 21 hours:

- Ling 360/ DigHT 360 – Text Processing and Analysis
- Ling 581 – Natural language processing
- IS 566 – Advanced Database
- Bus M 457/MBA 554 – Internet Marketing
- Stat 511 – Stat Methods for Research 1
- Stat 512 – Stat Methods for Research 2
- MBA 693 R – Advanced Analytics
- MPA 634 – Data Analysis and Forecasting
- CS 478 – Tools for Machine Learning and Data Mining
- IS 515 – Spreadsheets for Business Analysis
- IS 520 – Spreadsheet and DB Automation programing
- Additional Business Intelligence courses as approved by the track coordinator and MISM program advisor

All other MISM required and elective coursework hours remain the same as the non-track program. See on-line grad plan for schedule. **Note**: Not all classes are offered every semester. Plan carefully.

SECURITY AND FORENSICS TRACK

Complete the following 2 required (for all MISM) classes, as well as all other required MISM /BSIS courses:

- IS 560 – Information Security Management
- IS 552 – MISM Capstone – project should integrate as many of the concepts of the security track classes as is practical

Complete 3 of the following elective classes, plus 4 additional electives, for a total of 21 hours:

- ACC 550 – Fraud Prevention & Detection
- IS 565 – Digital Forensics
- IS 590R – Cyber Security and Penetration Testing
- Additional Security and Forensics courses as approved by the track coordinator and MISM program advisor

All other MISM required and elective coursework hours remain the same as the non-track program. See on-line grad plan for schedule. **Note**: Not all classes are offered every semester. Plan carefully.

DEVELOPMENT TRACK

Complete the following 2 required track classes, as well as all other required MISM / BSIS courses:

- IS 537– Data Structures and Algorithms (this is not required of all MISM students and is included as one of your 21 required electives for the MISM)
- IS 552 – MISM Capstone – project should integrate as many of the concepts of the development track classes as is practical

Complete 2 of the following elective classes, plus 4 additional electives, for a total of 18 hours (21 MISM electives with IS 537 required by the Development track):

- IS 520 – Spreadsheet and DB Automation Programing
- IS 542 – Web Development
- IS 543 – Mobile Platform Development- IOS
- IS 590R– Mobile Platform Development-Android
- IS 566 – Advanced Data base
- IT 355 – Human Computer Interaction
- IT 410 – Advanced Web Technologies
- Additional Development courses as approved by the track coordinator and MISM program advisor

All other MISM required and elective coursework hours remain the same as the non-track program. See on-line grad plan for schedule. **Note**: Not all classes are offered every semester. Plan carefully.

HEALTHCARE TRACK

Complete the following classes, as well as all other required MISM / BSIS courses:

- IS 588 (or MBA 588) Healthcare Industry Dynamics (W) [3 credits]
- MPA 589R (or MBA 589R) Healthcare Executive Lectures (F) [1 credit]
- IS 555 First Fall – Advanced Data Analytics for Organizations
- IS 552 Second Winter – MISM Capstone Project

Complete two of the following required healthcare Electives, in addition to 15 MISM or research elective credits:

- MSB 490R, 009 [or MBA 693R,015 or MBA 583]: Healthcare Law and Regulations(F)
- • MSB 490R, 010 [or MBA 693R, 016 or MBA 582]: Healthcare Delivery Management (F)
- • IS 590R, 006 [or IS 585 or MBA 585]: Healthcare Industry Research (F/W)
- • MPA 586 [or MBA 586]: Healthcare Finance (W)
- • HLTH 316: Health Systems Policy (F/W)
- • HLTH 425: Vulnerable and Diverse Populations (F/W)

All other MISM required and elective coursework hours remain the same as the non-track program. See on-line grad plan for schedule. **Note**: Not all classes are offered every semester. Plan carefully.

PRE-PhD TRACK

Complete the following classes, as well as all other required MISM / BSIS courses:

- MBA 593R First Fall – Pre-PhD prep
- IS 552 Second Winter – MISM Capstone Project (Research)
- IS 693R (half credit of teaching). This replaces the half credit IS 550 class.

Complete the following required pre-PhD courses/experiences, in addition to 4 MISM or research electives:

- IS 571 First Winter – IS Pre-PhD prep
- IS 693 R Second Fall – (Research)

Suggested research electives:

- IP&T 515R Online Course Design and Teaching
- ACC 591R – Pre-PhD Prep by David Wood
- STAT 511 – Stat Methods for Research 1
- STAT 512 – Stat Methods for Research 2
- PSYCH 712R – Functional MRI design & analysis by Dr. Kirwan
- Additional research classes as approved by track coordinator and MISM advisor

All other MISM required and elective coursework hours remain the same as the non-track program. See on-line grad plan for schedule. **Note**: Not all classes are offered every semester. Plan carefully