

## Optional Tracks

***NOTE: BYU does not allow us to include MISM tracks on your diploma or transcript***

### BUSINESS INTELLIGENCE & ANALYTICS TRACK

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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 3 additional electives, for a total of 18 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 programming
- 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

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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 3 additional electives, for a total of 18 hours:

- IS 533 – Advanced Data Communications
- IS 565 – Digital Forensics for Organizations
- ACC 550 – Fraud Prevention & Detection
- IT 566 – Digital Forensics
- IT 567 – 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

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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 18 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 3 additional electives, for a total of 15 hours (18 MISM electives with IS590R required by the Development track):

- IS 520 – Spreadsheet and DB Automation Programming
- 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.

## **HEALTH CARE TRACK**

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

- MPA 591R Fall – Health Care Exec lectures
- MPA 590 Winter – Health Service Delivery
- IS 555 First Fall – Advanced Data Analytics for Organizations
- IS 552 Second Winter – MISM Capstone Project

Complete one of the following required health Care Electives, in addition to 3 MISM or research electives:

- MBA 634 – Quality Management
- HLTH 607 – Public Health Administration
- MBA 537 – Change Management
- MBA 619 – Customer Relations Management
- MBA 631 Program Evaluation
- MPA 638 – Program Design
- LAW 707 – Health Law & Policy

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**

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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 3 MISM or research electives:

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

Suggested research electives:

- 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