Department of Accounting and Management Information Systems

Program Type:\* 

Degree Type:\* 

Program Name:\* 

Information Systems and Technology Management (MS)

Provide a brief summary of the proposed program changes and describe the rationale for the change(s):

The MS in Information Systems and Technology Management has not undergone a major revision since its inception.  The proposed changes focus on providing flexibility in course selection.  After taking nine (9) credit hours of Foundation classes, the student selects twenty-seven (27) credits of Core classes from an extensive list of course offerings. This, in essence, allows each student the opportunity to design their own program. This flexibility enhances the appeal of the program to students with varied backgrounds and interests.

Furthermore, the Foundation courses in the current curriculum (ACCT800: Financial Reporting & Analysis and BUAD 831: Operations Management and Management Science) no longer fulfill the background needs of our students.  The proposed program changes are not general business classes (such as ACCT800 and BUAD 831) but are focused on the ISTM curriculum.

List new courses required for the revised curriculum. How do they support the overall program objectives of the major/ minor/ concentrations)?

**IS&TM Foundation Courses (9 credits)**

ACCT 804 Database Design and Implementation

ACCT 806 Systems Analysis and Implementation

MISY 810 Telecommunications and Networking

**Core IS&TM courses (27 credits) - Choose 27 credits from the following:**

MISY 631 Data Mining for Business Analytics

MISY 830 Business Intelligence and Analytics

MISY 840 Project Management

MISY 850 Security & Control

MISY 873 Information Technology and Organizational Effectiveness

BUAD 820 Fundamentals of Analytics

BUAD 621 Decision Analytics and Visualization

BUAD 622 Optimizing and Spreadsheet Modeling

ACCT 805 Current Issues in Management Information Systems

STAT 674 Applied Data Base Management (SAS)

Other courses with approval by the Director

Identify other units affected by the proposed changes and provide letters of support from those units. :

Department of Business Administration

and

Department of Applied Economics and Statistics

Prospective Curriculum:\*

IS&TM Foundation

These nine (9) credit hours of Foundation classes are required for all MS in ISTM students

Courses

ACCT 804 Database Design and Implementation (3cr.)

ACCT 806 Object-oriented Systems Analysis, Design and Implementation (3cr.)

MISY 810 Telecommunications and Networking (3cr.)

IS&TM Core

Students in the MS in ISTM are required to select twenty seven (27) credits from the following:

Courses

BUAD 621 Decision Analytics and Visualization (3cr.)

BUAD 622 Optimization and Spreadsheet Modelling (3cr.)

BUAD 625 Business Analytics Capstone (3cr.)

BUAD 820 Fundamentals of Analytics (3cr.)

MISY 631 Data Mining for Business Analytics (3cr.)

MISY 665 Introduction to Cybersecurity (3cr.)

MISY 804 Database Design and Implementation (3cr.)

MISY 805 Current Issues In Management Information Systems (3cr.)

MISY 806 Object-oriented Systems Analysis, Design and Implementation (3cr.)

MISY 830 Business Intelligence and Analytics (3cr.)

MISY 831 Enterprise Information Systems (3cr.)

MISY 840 Project Management and Costing (3cr.)

MISY 850 Security and Control (3cr.)

MISY 873 Information Technology and Organizational Effectiveness (3cr.)

STAT 674 Applied Data Base Management (3cr.)

ACCT - 804 - Database Design and Implementation (3cr.)

ACCT - 806 - Object-oriented Systems Analysis, Design and Implementation (3cr.)

BUAD - 621 - Decision Analytics and Visualization (3cr.)

BUAD - 622 - Optimization and Spreadsheet Modelling (3cr.)

BUAD - 625 - Business Analytics Capstone (3cr.)

BUAD - 820 - Fundamentals of Analytics (3cr.)

MISY - 631 - Data Mining for Business Analytics (3cr.)

MISY - 665 - Introduction to Cybersecurity (3cr.)

MISY - 804 - Database Design and Implementation (3cr.)

MISY - 805 - Current Issues In Management Information Systems (3cr.)

MISY - 806 - Object-oriented Systems Analysis, Design and Implementation (3cr.)

MISY - 810 - Telecommunications and Networking (3cr.)

MISY - 830 - Business Intelligence and Analytics (3cr.)

MISY - 831 - Enterprise Information Systems (3cr.)

MISY - 840 - Project Management and Costing (3cr.)

MISY - 850 - Security and Control (3cr.)

MISY - 873 - Information Technology and Organizational Effectiveness (3cr.)

STAT - 674 - Applied Data Base Management (3cr.)