MASTER OF SCIENCE IN ACCOUNTING

ANALYTICS
Effective September 2022
(30-36 credits)

Pre Program Foundation Courses
(6 credits)

Course	Title	Prerequisite
GR 521	Managerial Statistics	None
GR 524	Accounting for Decision Making	None

Accounting Core Foundation Courses
(12 Credits)

Students who have completed equivalent coursework to the *Accounting Core Foundation* may substitute electives for these courses. Course equivalency is evaluated during the admission process and students are notified with their admission letter.

Course	Title	Prerequisite
AC 611	Financial Accounting I	GR524
AC 730	Business Processes & Controls Assessment	None
AC 793	Ethics, Judgment and Decision Making	AC611
AC 799A	Data Analytics for Accounting	GR521 & GR524

Analytics Concentration Required Courses
(15 Credits)

Select 1 of the following

Course	Title	Prerequisite
AC 741	Financial Statement Audit	Pre-Req: AC611 and Pre or Co-Req: AC730
AC 742	Information Technology Audit	AC741 or AC744
AC 744	Internal Audit	None

Required

Course	Title	Prerequisite
AC 777	Accounting Analytics in Practice	AC742 or AC750 or TX601, & MA705 or ST625 or AC799A, & CS605 or AC731
CS 602	Data Driven Development with Python	None
CS 605	Management & SQL for Analytics	None
IPM 652	Managing with Analytics	None

Elective Courses
(3 Credits)

Select a minimum of 1 course(s)

Course	Title	Prerequisite
AC 701	Internship in Accounting Practice	3 AC courses
AC 731	Financial Information Systems	AC730
AC 741	Financial Statement Audit	Pre-Req: AC611 and Pre or Co-Req: AC730
AC 742	Information Technology Audit	AC741 or AC744
AC 744	Internal Audit	None
AC 799B	Advanced Data Analytics for Accountants	AC799A & AC611
CS 650	Data Analytics Architectures with Big Data	CS602 and CS605
CS 733	AI Techniques and Applications	CS602
CS 753	Business Intelligence Methods & Technologies	CS605
FI 631	Financial Modeling	FI625 or GR525
HF 730	Visualizing Information	Permission of HFID Program Director
HF 760	Intelligent User Interfaces	Permission of HFID Program Director
MA 705	Data Science	Pre or Co-Req GR521
MA 707	Introduction to Machine Learning	ST635 and MA705
ST 625	Quantitative Analysis for Business	GR521
ST 635	Intermediate Statistical Modeling for Business	ST625

ADVISING GUIDANCE

- All course work must be completed within five years.
- All course prerequisites must be satisfied. Please note that the stated prerequisites of a course may also have a prerequisite that must be satisfied.