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 Reporting and Analysis	GR524
AC 730	Business Processes & Controls Assessment	None
AC 793	Ethics, Judgment and Decision Making	GR524
AC 770	Data Analytics for Accountants	GR521 & GR524

Analytic Concentration Required Courses
(15 Credits)

Select 1 of the following

Course	Title	Prerequisite
AC 741	Financial Statement Audit	Pre-Req: AC611 / Pre or Co-Req: AC 730
AC 742	Information Technology Audit	AC 741 or AC 744
AC 744	Internal Audit	None

Required

Course	Title	Prerequisite
AC 777	Accounting Analytics in Practice	MA 705 or ST 625 or AC 770
CS 602	Data Driven Development with Python	None
CS 605	Management & SQL for Analytics	None
CS 655	Managing with Analytics	None

Electives Courses (3 Credits)		
Select a minimum of 1 course(s)		
<u>Course</u>	<u>Title</u>	<u>Prerequisite</u>
AC 701	Internship in Accounting Practice	3 AC courses
AC 731	Financial Information Systems	AC 730
AC 741	Financial Statement Audit	Pre-Req: AC611 / Pre or Co-Req: AC 730
AC 742	Information Technology Audit	AC 741 or AC 744
AC 744	Internal Audit	None
CS 650	Data Analytics Architectures with Big Data	CS602 & CS605
CS 733	AI Techniques and Applications	CS602
CS 753	Business Intelligence Methods & Technologies	CS605
ETH 700	Ethical Issues in Corporate Life	None
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 & MA705
MG 638	Corporate Governance	None
MG 651	Project Management	None
ST 625	Quantitative Analysis for Business	GR521
ST 635	Intermediate Statistical Modeling for Business	ST625

Academic Planner: Master of Science in Accounting
Concentration: Analytics

This worksheet is intended to help you plan your course enrollments to be sure that they align with the Master of Science in Finance curriculum. Use this worksheet along with Degree Works to track your program completion.

Please note in order to graduate students must:

☐ Complete all degree requirements within five years

☐ Earn a minimum of 2.7 cumulative GPA Advising Guidance:

- Only pre-program foundation courses may be waived. Insert a "W" under the Waiver/Substitution column.
- If you received a substitution for a course, you are required to make up the credits by taking an elective course listed under the concentration elective list (refer to the program guide above). Insert the new course number under the "Waivers/Substitution column and within the same row as the substituted course.
- All course prerequisites must be satisfied. Please note that the stated prerequisites of a course may also have a prerequisite that must be satisfied.
- Refer to the Typically Offered Course Guide to help you plan your course selections.

Name: Matriculation Date:
Bentley ID: Anticipated Completion Date:

Course Number & Title	Credits	Summer	Fall	Spring	Waiver/ Substitution
Pre-Program Foundation Courses (6 Credits)					
GR 521 Managerial Statistics	3				
GR 524 Accounting for Decision Making	3				
Core Foundation Courses (12 Credits)					
AC 611 Financial Reporting and Analysis	3				
AC 730 Business Processes & Controls Assessment	3				
AC 793 Ethics, Judgment and Decision Making	3				
AC 770 Data Analytics for Accounting	3				
Analytics Concentration Required Courses (15 Credits)					
AC 741, AC 742, or AC 744	3				
AC 777 Accounting Analytics in Practice	3				
CS 602 Data Driven Development with Python	3				
CS 605 Management & SQL for Analytics	3				
CS 655 Managing with Analytics	3				
Elective Courses (3 Credits)					
	3				
Total Credits:					

Notes: