

**MASTER OF SCIENCE IN ACCOUNTING  
ANALYTICS**

*Effective September 2024*  
(30 – 36 Credits / 10-12 Courses)

**Pre-Program Foundation Courses**  
(6 Credits / 2 Courses)

<u>Course</u>	<u>Title</u>	<u>Prerequisite</u>
GR 521	Managerial Statistics	None
GR 524	Accounting for Decision Making	None

**Accounting Core Foundation Courses**  
(12 Credits / 4 Courses)

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.

<u>Course</u>	<u>Title</u>	<u>Prerequisite</u>
AC 611	Financial Reporting & Analysis	GR 524
AC 730	Business Processes & Controls Assessment	None
AC 770	Data Analytics for Accountants	GR 521 & GR 524
AC 793	Professional Judgment, Ethics & Decision Making	GR 524

**Analytics Required Courses**  
(15 Credits / 5 Courses)

**Required 4:**

AC 777	Accounting Analytics in Practice	MA 705 or ST 625 or AC 770 or AC 799
CS 602	Data-Driven Development with Python	None
CS 605	Data Management & SQL for Analytics	None
CS 655	Managing with Analytics	None

**Select 1 of the following:**

<u>Course</u>	<u>Title</u>	<u>Prerequisite</u>
AC 741	Financial Statement Audit	AC 611 & Pre or Co-Req AC 730
AC 742	Information Technology Audit	AC 741 or AC 744
AC 744	Internal Audit	None

**Elective Courses**  
(3 Credits / 1 Course)

**Select 1 of the following:**

<b><u>Course</u></b>	<b><u>Title</u></b>	<b><u>Prerequisite</u></b>
AC 701	Internship in Accounting Practice	3 AC courses at 600+ level
AC 731	Financial Information Systems	AC 730
AC 741	Financial Statement Audit	AC 611 & Pre or Co-Req AC 730
AC 742	Information Technology Audit	AC 741 or AC 744
AC 744	Internal Audit	None
AC 799	Experimental Course in Accounting	Varies by topic
CS 650	Data Analytics Architectures with Big Data	CS 602 & CS 605
CS 733	AI Techniques & Applications	CS 602
CS 753	Business Intelligence Methods & Technologies	CS 605
ETH 700	Ethical Issues in Corporate Life	None
FI 631	Financial Modeling	FI 625 or GR 525
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 GR 521
MA 707	Introduction to Machine Learning	Pre or Co-Req ST 635 & MA 705 or CS 602
MG 638	Corporate Governance	None
MG 651	Project Management	None
ST 625	Quantitative Analysis for Business	GR 521
ST 635	Intermediate Statistical Modeling for Business	ST 625

# Academic Planner: Master of Science in Accounting

## Major: Analytics

This worksheet is intended to help you plan your course enrollments to be sure that they align with the Master of Science in Accounting: Analytics curriculum. Use this worksheet along with Degree Works to track your progress toward 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 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 [Graduate Catalog](#) for guidance about when classes are typically offered.

Name:

Matriculation Date:

Bentley ID:

Anticipated Completion Date:

Course Number & Title	Credits	Summer	Fall	Spring	Waiver/Substitution
<b>Pre-Program Foundation Courses (6 Credits / 2 Courses)</b>					
GR 521 Managerial Statistics	3				
GR 524 Accounting for Decision Making	3				
<b>Core Foundation Courses (12 Credits / 4 Courses)</b>					
AC 611 Financial Reporting & Analysis	3				
AC 730 Business Processes & Controls Assessment	3				
AC 770 Data Analytics for Accounting	3				
AC 793 Professional Judgment, Ethics & Decision Making	3				
<b>Analytics Required Courses (15 Credits / 5 Courses)</b>					
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				
<b>Elective Courses (3 Credits / 1 Course)</b>					
	3				
<b>Total Credits:</b>					

<b>Notes:</b>