Program of Study—M.S. in Applied Analytics (30 Credits)
Woods College of Advancing Studies

Student Name: _____ Eagle ID: _____

Student Email: _____ Advisor Name: _____

The M.S. in Applied Analytics (MSAA) program requires 10 courses to be completed, consisting of 2 foundational courses, 4 core courses, 1 project course and 3 electives. Students must earn a cumulative GPA of 3.00 to graduate successfully.

Students must take the Foundational courses *Mathematical Methods for Machine Learning I* and *Data Analysis* before taking core and elective courses. Students who have completed Linear Algebra course prior to enrolling in the MSAA can waive the *Mathematical Methods for Machine Learning I* requirement and students who have completed an Analytics course such as Econometrics, Business Analytics, etc. may waive the *Data Analysis* requirement. This will not reduce the number of courses that the student must complete, but will allow the student to take additional electives. Courses in question must have been completed with the grade of B or above. It is recommended that students who have taken these courses more than 5 years ago consider not applying for the waiver. Please visit this link to submit a waiver request.

Furthermore, new electives are added from time to time and students should check the MSAA website for new course offerings. Several courses from the MS in Applied Economics (MSAE) program can also be chosen as electives - please follow up with your academic advisor if you are interested.

Lastly, students can take the *Internship in Applied Analytics* course as an elective. The internship need not be paid but has to be related to the MSAA curriculum. Please contact your academic advisor to discuss if the internship is closely related to your program of study. At the graduate level, experiential courses such as internships are designated as Pass/Fail courses and are not assigned letter grades, which can have GPA implications (see academic policy).

Course ID and Name	Term Taken / Transfer	Status	Advising Notes
Foundational Courses			
ADAN7220 – Mathematical Methods for Machine Learning I			
ADAN7301 – Data Analysis			
Core Courses			
ADAN7430 – ML/AI Algorithms I			
ADAN7500 – Algorithmic Ethics and Governance			
ADAN7603 – AI Algorithms II			
ADAN7905 – AI/ML Software Tools and Platforms			
Required Project Course			
ADAN8888 – Applied Analytics Project			
Elective Courses: Choose any 3			
ADAN7221 – Real Analysis: The Theory of Calculus			
ADAN7320 – Regression Models			
ADAN7399 – Computer Vision			

Course ID and Name	Term Taken / Transfer	Status	Advising Notes
ADAN7401 – Operations Research			
ADAN7406 – Predictive Analytics / Forecasting			
ADAN7431 – Natural Language Processing			
ADAN7470 – Advanced Econometrics			
ADAN7520 – AI Product Management			
ADAN7735 – Visual Analytics			
ADAN7800 – Foundations of Generative AI			
Total	Completed Courses:	Current and Future Courses:	Notes: