

Program of Study—M.S. in Applied Economics (30 Credits)

Woods College of Advancing Studies

Student Name: _____

Eagle ID: _____

Student Email: _____

Advisor Name: _____

The M.S. in Applied Economics (MSAE) program requires 10 courses to be completed, consisting of 5 core classes and 5 electives. Students must have a cumulative GPA of 3.00 to graduate successfully.

Students are encouraged to take the core classes of *Applied Microeconomic Theory*, *Applied Macroeconomic Theory*, *Data Analysis* and *Econometrics* before taking the elective courses. For students with limited or no coding experience, *Software Tools for Data Analysis* is also recommended. **NOTE:** Students who have completed an Econometrics course in their undergraduate studies can apply for Course Equivalence waiver for *Data Analysis*. To qualify, the student must have earned a grade of B or better and have taken the course within three years of starting the MSAE program. Students who have completed Calculus-based Microeconomic and/or Macroeconomic Theory courses may apply for Course Equivalence waivers for the *Applied Microeconomic Theory* and *Applied Macroeconomic Theory* courses. Students must have completed the said course(s) within three years of starting the MSAE program and must have obtained a grade of B or better. Furthermore, students must provide evidence that the course(s) were Calculus-based. This evidence can be in the form of syllabus and/or catalog course description showing Calculus prerequisite or a letter from the department in which the course was completed stating that the course(s) included Calculus. Course Equivalence means that students may choose to not take these core courses, but that they may take additional electives. Approval of the waiver DOES NOT reduce the total number of courses that students have to complete in the program. Please visit [this link](#) to submit a waiver request.

Furthermore, new electives are added from time to time and students should check the [MSAE](#) website for new course offerings. Courses from the MS in Applied Analytics ([MSAA](#)) can also be chosen as electives with two exceptions, namely – “Algorithmic Ethics and Governance - from traditional to AI/ML” and “Applied Analytics Project” (since MSAE students have to take the *Ethics Economics and Public Policy* core class, and can take *Directed Practicum* research project respectively).

Lastly, students can take the *Internship in Applied Economics* course as an elective. The internship need not be paid but has to be related to the MSAE 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 and project-based courses like *Directed Practicum* 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
Required Core Courses: 5			
ADEC7200 – Applied Macroeconomic Theory			
ADEC7201 – Applied Microeconomic Theory			
ADEC7301 – Data Analysis			
ADEC7320 – Econometrics			
ADEC7500 – Ethics, Economics, and Public Policy			
Elective Courses: Choose any 5			
ADEC7220 – Linear Algebra and Vector Calculus			
ADEC7221 – Real Analysis: The Theory of Calculus			
ADEC7330 – Law and Economics			

Course Requirements	Term Taken / Transfer	Status	Advising Notes
ADEC7340 – Advanced Urban and Regional Economics			
ADEC7350 – Economics of Banking and Insurance			
ADEC7360 – Financial Economics			
ADEC7370 – Applied Stress Testing for Economists			
ADEC7380 – Empirical Health Economics			
ADEC7401 – Operations Research in Applied Economics			
ADEC7406 – Predictive Analytics / Forecasting			
ADEC7420 – Development Economics			
ADEC7421 – Econometric Impact Evaluation for Public Policy and Business Decisions			
ADEC7422 – Economic Modeling for Policy Analytics			
ADEC7430 – Big Data Econometrics			
ADEC7470 – Advanced Econometrics			
ADEC7502 – Empirical Industrial Organization			
ADEC7520 – Transfer Pricing			
ADEC7530 – Measuring Business Cycles, Trends and Growth Cycles			
ADEC7540 – Marketing Analytics for Economists			
ADEC7550 – Empirical Labor Economics			
ADEC7603 – AI Algorithms II			
ADEC7610 – Empirical Sports Economics			
ADEC7735 – Visual Analytics			
ADEC7810 – Empirical Behavioral Economics			
ADEC7820 – Economics of Innovation and Entrepreneurship			
ADEC7830 – Communication and Leadership in Applied Economics			
ADEC7840 – Management of Projects in Applied Economics			
ADEC7900 – Software Tools for Data Analysis			
ADEC7905 – AI/ML Software Tools and Platforms			
ADEC7920 – Market Research and Analysis			
ADEC7930 – Fundamentals of Private Equity			
ADEC7940 – Environmental and Natural Resource Economics			
ADEC8880 – Directed Practicum			
ADEC8883 – Internship in Applied Economics			
Total	Completed Courses:	Current and Future Courses:	Notes: