

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.

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 but have to find the internship themselves. 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 Requirements	Term Taken / Transfer	Status	Advising Note
Required Courses: 5			
ADEC7200 Applied Macroeconomic Theory			
ADEC7201 Applied Microeconomic Theory			
ADEC 7310 Data Analysis			
ADEC 7320 Econometrics			
ADEC 7500 Ethics Economics and Public Policy			
Required Elective Courses: Choose any 5			
ADEC 7220* Linear Algebra and Vector Calculus			
ADEC 7340 Advanced Urban and Regional Economics			
ADEC 7350 Economics of Banking and Insurance			
ADEC 7360 Financial Economics			
ADEC 7370 Applied Stress Testing for Economists			
ADEC 7380 Empirical Health Economics			
ADEC 7390 Empirical Money and Banking			
ADEC 7410* Operations Research in Applied Economics			
ADEC 7420 Development Economics			
ADEC 7421 Econometric Impact Evaluation for Public Policy and Business Decisions			

Required Elective Courses: Choose any 5	Term Taken / Transfer	Status	Advising Note
ADEC 7430* Big Data Econometrics			
ADEC 7460* Predictive Analytics/Forecasting			
ADEC 7470* Advanced Econometrics			
ADEC 7510 Law and Economics			
ADEC 7520 Transfer Pricing			
ADEC 7530 Measuring Business Cycles, Trends and Growth Cycles			
ADEC 7540 Marketing Analytics for Economists			
ADEC 7610 Empirical Sports Economics			
ADEC 7630* ML/AI Algorithms II			
ADEC 7810 Empirical Behavioral Economics			
ADEC 7820 Economics of Innovation and Entrepreneurship			
ADEC 7830 Communication and Leadership in Applied Economics			
ADEC 7840 Management of Projects in Applied Economics			
ADEC 7910 Software Tools for Data Analysis			
ADEC 7915* AI/ML Software Tools and Platforms			
ADEC 7920 Market Research and Analysis			
ADEC 7930 Fundamentals of Private Equity			
ADEC 7940 Environmental and Natural Resource Economics			
ADEC 8880 Directed Practicum			
ADEC 8881 Internship in Applied Economics			
TOTAL	Completed Courses _____	Taking / To be taken _____	Advising Notes _____

Advising Color Codes and Keys		Status
	Passed and Earned Credit	P
	Transfer Credit Approved	T
	Currently Taking Course	C
	Course Planned for Next Semester	N
	Pending approval	X

STUDENT SIGNATURE: _____

DATE: _____

APPROVAL (to be filled by the academic advisor)

ADVISOR _____
NAME

SIGNATURE