



WASHINGTON STATE  
UNIVERSITY

# Master's of Applied Economics

School of Economic Sciences

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## 1-year program

The Master of Applied Economics degree is an industry-focused program that prepares students with cutting-edge skills in

- big data management,
- data analytics,
- advanced econometrics, and
- machine learning

that are in high demand in business and consulting, government, and research organizations.

# Coursework



- Students are exposed to programming in Python and R.
- **Fall semester (15 credits)**
  - EconS 523 Data Management and Processing for Economics, 3 cr
  - EconS 525 (Econometrics), 3 cr
  - EconS 528 (Macroeconomics), 3 cr.
  - Elective courses: Choose 2 electives, 6 cr. (400 level is acceptable):
- **Spring semester (12 graded cr., 3 capstone cr.)**
  - EconS 527 (Microeconomic Analysis), 3 cr.
  - EconS 524 (Applied Machine Learning for Economics and Business), 3 cr
  - EconS 529 (Research methods. Writing and Presentation Skills for Economists), 3 cr.
  - EconS 701 Economics Capstone, 3 cr. (S-U)



# Capstone project

Students do not need to complete a thesis or special problem.

Instead, they complete the capstone course, where they work on a project that integrates economic analysis with data analytics.

The capstone project will be designed by the students with advice from their faculty advisor.

It is designed to enhance the student's portfolio when they enter, or re-enter, the job market.

# Admissions

## GPA

- A Bachelor's degree with a cumulative GPA of 3 or higher (out of 4). Economics, Business, Finance, Engineering provide the best preparation. Students with degrees in other areas are considered with adequate coursework in quantitative methods and economics.

## Pre-requisite Courses

- Expected math classes
  - ✓ Calculus (Equivalent of WSU Course: Math 171 or 202)
  - ✓ Statistics (Equivalent of WSU Course: Stat 212 or EconS 310)
- Expected economics classes
  - ✓ Intermediate Microeconomics with Calculus (Equivalent of WSU Course: EconS 301)
  - ✓ Intermediate Macroeconomics (Equivalent of WSU Course: EconS 302)
  - ✓ Econometrics (Equivalent of WSU Course: EconS 311)

## GRE/GMAT

- No GRE or GMAT exams are required to apply.
- However, applicants who took either of these exams are encouraged to include the scores in their applications.

## Language proficiency

- International students must demonstrate proficiency in the English language, as indicated by an official TOEFL, IELTS, or MELAB score.

## Application Deadlines

- November 15 for Spring application priority date.
- January 10 for Fall application priority date.

# Where are MAE Graduates Now?

Estela Navarro :

- Douglas County PUD: Power Scheduler and Energy Analyst
- Analyze weather and demand trends to accurately forecast Day-Ahead Load Curves.

Eram Tafsir

- Financial Economics Associate at Charles River Associates
- Python, R, and Tableau to analyze a wide range of industries with predictive and machine learning models

Hunter Rowher

- Data Scientist at John Burns Research & Consulting
- Uses predictive models to analyze real estate investment strategies

# Information Session

The information session will be hosted on

- Time Wednesday, October 22<sup>nd</sup> at 8 AM Pacific Time.
- Register for the [Zoom Information Session](#) or scan the QR code:

