Interested in Econometrics? | Requirements

- BSc or equivalent degree in Economics, Mathematics, Statistics or a related discipline (requirement of at least 15 ECTS each in mathematics/statistics and economics)
- Evidence of proficiency in English (e.g. TOEFL, IELTS or a similar certificate)
- Academic CV (maximum of two pages)

There are no tuition fees!

Application Deadline for international students is July 15, 2019. Studies begin in fall. Please refer to the program’s website for further information on the application process: www.econometrics.ruhr

Questions? Please contact our coordinators!
info@econometrics.ruhr

Student Guidance
studienberatung@statistik.tu-dortmund.de

Faculty of Statistics @ TU Do
www.statistik.tu-dortmund.de/faculty_en.html

Faculty of Business and Economics @ TU Do
https://www.wiwi.tu-dortmund.de/wiwi/en/

Faculty of Management and Economics @ RUB
https://www.wiwi.ruhr-uni-bochum.de/index.html.en

Faculty of Business Administration and Economics @ UDE
https://www.wiwi.uni-due.de/en/

Program Website
www.econometrics.ruhr

Further Information
Program Website
www.econometrics.ruhr
The MSc in Econometrics is a four-semester English-language master’s program which is jointly offered by the three University Alliance Ruhr (UAR) members TU Dortmund University (TU Do), Ruhr University of Bochum (RUB) and University of Duisburg-Essen (UDE). It combines the expertise of four participating faculties to provide students with in-depth training in econometrics and empirical economic research.

**Students of Econometrics...**

- gain extensive knowledge of statistical methodology, profound understanding of core economic relationships and the competence to apply these in interdisciplinary research in econometrics
- enjoy advanced methodological training in mathematics, statistics and econometrics and specialize in applied econometric research or different areas of econometrics
- may choose from a large pool of electives (including program evaluation, time series econometrics and statistical learning) offered by the four faculties involved
- receive a joint MSc degree from the Economics and Management Faculties of the three UAR universities and Germany’s only Faculty of Statistics @ TU Do

### Why Econometrics? | Opportunities

- Graduates are well-equipped for a career in econometrics, empirical economic research, evidence-based political consulting or a subsequent PhD in econometrics or neighbouring disciplines
- Students benefit from the proximity and the institutional integration of the UAR, one of Germany’s largest and high performing research locations
- Cooperation with RWI – Leibniz Institute for Economic Research, one of Germany’s leading economic research institutes, allows for internships and student assistantships. Excellent graduates qualify for a fast-track PhD program at RGS – Ruhr Graduate School in Economics

**Intake:** each fall term  
**Duration:** four semesters  
**Language of instruction:** English

---

**Core Courses**

- Statistical Theory
  - Probability Theory
  - Statistical Decision Theory
  - Asymptotic Theory
- Key Concepts in Econometrics
  - Applied Econometrics
  - Econometric Methods
- Case Studies
  - Selected Topics in Applied Econometrics
  - Skills in Project Management and Consulting
- Time Series Econometrics
  - Modern Treatment of the Theory of Estimation and Statistical Inference in Time Series Models

**Electives**

**Advanced Topics in Specialized Fields (Selection)**

- Economics
  - Finance and Public Economics
  - Health Economics
  - Dynamic Macroeconomics
- Applied Econometrics
  - Public Policy and Program Evaluation
  - Statistical Learning
- Econometric and Statistical Theory
  - Bayesian Methods
  - Financial Econometrics
  - Microeconometrics

**Other Content**

- Specialized Seminars
- Courses in Statistical Programming
- Master’s Thesis (six months)

**Keywords**