

Study plan

M.Sc. Applied Economics and Data Science

1st October 2023

4. Semester Summer term	Master Thesis 24 CP				Research Colloquium 6 CP
	Possibility for a term abroad				
3. Semester Winter term	wir873 Applied Economics 6 CP	wir895 Industrial Organization 6 CP	Specialization II* 6 CP	Specialization III* 6 CP	Data Science III* 6 CP
2. Semester Summer term	Economics II* 6 CP	Economics III* 6 CP	Specialization I* 6 CP	Empirical Methods II* 6 CP	Data Science II* 6 CP
	Possibility for a term abroad				
1. Semester Winter term	Economics I* 6 CP	wir874 Advanced Microeconomics 6 CP	wir894 Econometrics of Policy Evaluation 6 CP	Empirical Methods I* 6 CP	Data Science I* 6 CP

Economics Modules, in total 36 CP	Empirical Methods Modules, in total 18 CP	Data Science modules, in total 18 CP	Specialization Modules, in total 18 CP
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Please note that the study plan is nonbinding and for guidance only. It illustrates the recommended course of studies based on the legally binding examination regulations (2023).

* See list of eligible elective modules on page 2.

(1) Economics Modules (in total 36 credit points)

- wir874 Advanced Microeconomics ^{Wt} (compulsory)
- wir895 Industrial Organization ^{Wt} (compulsory)
- wir873 Applied Economics ^{Wt} (compulsory)
- wir760 Computable General Equilibrium Analysis ^{Wt} (elective)
- wir889 Applied Environmental Economics St (elective)
- wir893 Development Economics St (elective)
- wir821 International Trade, Production and Change St (elective)
- wir823 International Finance and Exchange Rate Economics ^{Wt} (elective)
- wir901 Environmental Economics ^{Wt} (elective)
- wir890 Climate Economics ^{Wt} (elective)
- wir878 Public Economics and Market Design St (elective)

(2) Empirical Methods Modules (in total 18 credit points)

- wir894 Econometrics of Policy Evaluation ^{Wt} (compulsory)
- wir875 Forecasting Methods ^{Wt} (elective)
- wir892 Computational Economics St (elective)
- wir897 Spatial Econometrics St (elective)
- wir888 Applied Econometrics Using GIS Techniques ^{Wt} (elective)
- wir887 Advanced Econometrics St (elective)
- wir891 Complex Data Analysis St (elective)

^{Wt}: module is regularly offered in the winter terms

St: module is regularly offered in the summer terms

^{**}: modules for recognition of examinations abroad (cf. examination regulations)

(3) Data Science modules (in total 18 credit points)

- inf040 Introduction to Data Science ^{irregular interval} (elective)
- inf604 Business Intelligence I ^{Wt} (elective)
- inf607 Business Intelligence II St (elective)
- inf535 Computational Intelligence I ^{Wt} (elective)
- inf536 Computational Intelligence II St (elective)
- inf962 Fundamental Competences in Computing Science III: Algorithms and computational Problem Solving ^{Wt} (elective)

(4) Specialization Modules (in total 18 credit points)

- wir896 Operations Management ^{Wt, every two years} (elective)
- wir899 Supply Chain Management ^{Wt, every two years} (elective)
- wir921 Sustainable Supply Chain Management St (elective)
- wir842 Banking St (elective)
- wir843 Financial Risk Management St (elective)
- wir886 Digital Transformation: Strategies and Sustainability St (elective)
- inf510 Energy Information Systems ^{Wt} (elective)
- wir806 Information Technology Law ^{Wt} (elective)
- wir898 Strategic Sustainability Management ^{St or Wt} (elective)
- wir751 Study Abroad I ^{**}
- wir752 Study Abroad II ^{**}
- wir753 Study Abroad III ^{**}