Comparison chart **Business Analytics – Econometrics**

	Business Analytics	Econometrics and Operations Research	Econometrics and Data Science
What will you learn in the programme?	In the Business Analytics programme, you will learn how to use mathematics, data analysis, and computer science to improve business results. This is a unique programme where you directly apply your acquired knowledge to solve business issues. You will develop communication and advisory skills that enable you to convince companies of your strong analyses and innovative solutions. You will be able to guide companies from data to decision-making like no other.	In the Econometrics and Operations Research programme, you will learn to research and solve economic, business, and financial issues using quantitative techniques. This challenging programme rewards you with excellent skills in mathematics, analytical reasoning, problem-solving, and presenting.	In the Econometrics and Data Science programme, you will learn about topics such as data structures and algorithms, and you learn about what you can do with data. If you choose the Econometrics and Data Science track, you will combine computer science methods, econometric and statistical data analysis, ideal for solving challenging problems in economics and finance.
Which courses and topics are covered?	In Business Analytics, the curriculum consists of a balanced combination of lectures/theory and real-life projects for real businesses. The subjects include Data Analysis/Mathematics (statistics & optimisation), Computer Science (artificial intelligence & programming), and Business organisation (finance & logistics). There is also a strong focus on developing advisory and communication skills.	In Econometrics and Operations Research, you start with courses such as analysis, programming, probability, and statistics. You also take some economics and finance courses. Then you take courses in econometric theory, Operations Research, and mathematical economics. In the third year, you can specialise in econometric theory, Operations Research, or mathematical economics.	In Econometrics and Data Science, you will take lectures on the theory and practice of Econometrics and Data Science, work on group assignments, solve case studies by analysing data, and gain practical experience with companies.
What are the admission requirements?	VWO with Mathematics B	VWO with Mathematics B	VWO with Mathematics B
Who is the programme suitable for?	Business Analytics is suitable for students who achieve good grades in mathematics, enjoy the subject, and want to learn about artificial intelligence and programming.	Econometrics and Operations Research is for those who are good at mathematics and interested in solving problems using quantitative techniques.	Econometrics and Data Science is for students who are good at mathematics and interested in combining Data Science and Econometrics.
Which master's programmes can you pursue afterwards?	Business Analytics, Information Sciences, Artificial Intelligence, Data Science, Operations Research	Econometrics and Operations Research, Business Analytics, Finance	Econometrics and Data Science, Computer Science, Finance, Business Analytics
Which careers can you pursue with this degree?	There is a high demand for business analysts. With a bachelor's in Business Analytics, you can work in almost any sector and for various companies. You could work as a data scientist at government agencies, research institutes, internet companies, transportation companies, the police, or a financial institution. Alternatively, you could also become a consultant at a multinational.	After completing a bachelor's in Econometrics and Operations Research, your skills are valuable to organisations in any role where analysing economic or financial data, forecasting, planning, problem-solving, and optimising matters.	With a degree in Econometrics and Data Science, your skills are valuable in any role where deriving information and making decisions based on data is important. This could include determining pricing models, developing algorithms, or performing quantitative analysis of monetary policy for a central bank. Whatever you choose, this programme prepares you well for solving problems, analysing data in practice, effectively using quantitative methods, and overcoming any challenges that come your way.
Programme website links	Bachelor Business Analytics	Bachelor Econometrics and Operations Research	Bachelor Econometrics and Data Science