IS THIS PROGRAMME FOR YOU?
Would you like to advance the frontiers of statistical methodology? Do you want to impact quality of research? Do you like to team up with professionals from other disciplines and together achieve the best evidence from available data? If you enjoy any of these, this Master’s programme is right for you!

STUDY PROGRAMME
The two-year Master’s programme Methodology and Statistics is a unique collaboration between three departments:

- Utrecht University, Department of Methodology and Statistics
- University Medical Center Utrecht, Department of Biostatistics
- Twente University, Department of Research Methodology, Measurement and Data Analysis

In the first year you will be provided with a strong foundation in research methodology and applied statistics. In the second year, you will prepare for and write a thesis in an area that interests you most. Typically this will be in a collaborative project with other disciplines reflecting the setting in which modern research is done. Within the second year there is an option to create your own programme by following a predefined track in the field of survey research, educational measurements, biomedical research, or another field that suits your personal interests.

WHY OPT FOR THIS PROGRAMME?
Experience the research culture at three different departments. We offer you a unique learning environment within a broad range of research and application areas. Small interactive classes and teachers who are renowned in their field provide you with a strong foundation. You will learn to cooperate and work at a professional level using multi-media applications.

SUMMARY
- Duration: 2 years (120 EC)
- Part- or full-time status: full-time
- Language of instruction: English
- Start of studies: September
- Application deadline: 1 April
- Title: Master of Science (MSc)
- Offered by: Utrecht University, UMCU and Twente University

Bright minds, better future
CAREER PROSPECTS
The close collaboration of the three departments provides you with an excellent international network. You can find our graduates:

• completing a PhD in methods and statistics departments
• as statistician at pharmaceutical companies and medical centres
• as statistical consultants in companies directly linked to our three departments, such as TNO (Netherlands Organisation for Applied Scientific Research), CBS (Statistics Netherlands), and DANONE.

ADMISSION
You are eligible for admission if you have a Bachelor’s degree in Biomedical Science, Social and Behavioural Sciences (including Political Science), Econometrics and/or (Applied) Mathematics.

We expect candidates to have at least 20 EC worth of undergraduate training in methods and statistics; training in one or more topics in multivariate statistics, and hands on experience with SPSS or another statistical software package for data analysis.

You should also have above-average grades and have a good command of English. We select a maximum number of 20 suitable applicants per year.

Programme outline

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<tr>
<th>First year</th>
<th>First semester</th>
<th>Second semester</th>
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<tbody>
<tr>
<td>- Survey data analysis (7.5 EC)</td>
<td>- Psychometrics (7.5 EC)</td>
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<td>- Multivariate statistics (7.5 EC)</td>
<td>- Introduction in multilevel and structural equation modelling (7.5 EC)</td>
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<td>- Fundamentals of statistics (7.5 EC)</td>
<td>- Bayesian statistics (7.5 EC)</td>
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<td>- Computational inference with R (7.5 EC)</td>
<td>- Clinical research designs (7.5 EC)</td>
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<tr>
<td>Second year</td>
<td>- Elective course (7.5 EC)</td>
<td>- Research seminar II (7.5 EC)</td>
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<td>- Research seminar I (7.5 EC)</td>
<td>- Master’s thesis (22.5 EC)</td>
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<tr>
<td>- Preparation Master’s thesis (15 EC)</td>
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