



JÖNKÖPING UNIVERSITY

School of Health and Welfare



MASTER'S IN PRODUCT DEVELOPMENT

Specialisation in assistive technology (MASTech)

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Specialisation in assistive technology (MASTech)

Degree *Degree of Master with a major in Product Development,*

Place of study *Jönköping, Sweden*

The Master's Programme in Product Development, Specialisation in Assistive Technology is a full-time, two-year master's programme (120 credits) which focuses on innovative product development and/or manufacturing of assistive devices for individuals with disabilities.

The programme aims to provide students with knowledge and skills related to product development, design and manufacturing and is specifically targeted towards preparing graduates for a career within the assistive technology sector.

The development of assistive technologies requires a unique combination of medical and engineering knowledge. As such, the program is open to students with backgrounds in prosthetics and orthotics or mechanical engineering.

A fundamental principle of the MASTech programme is for students to have the opportunity to link theory to industrial practice. As such, students will be required to complete a number of projects addressing problems identified by industry partners, as well as completing an industrial placement.



TEACHING AND EXAMINATION

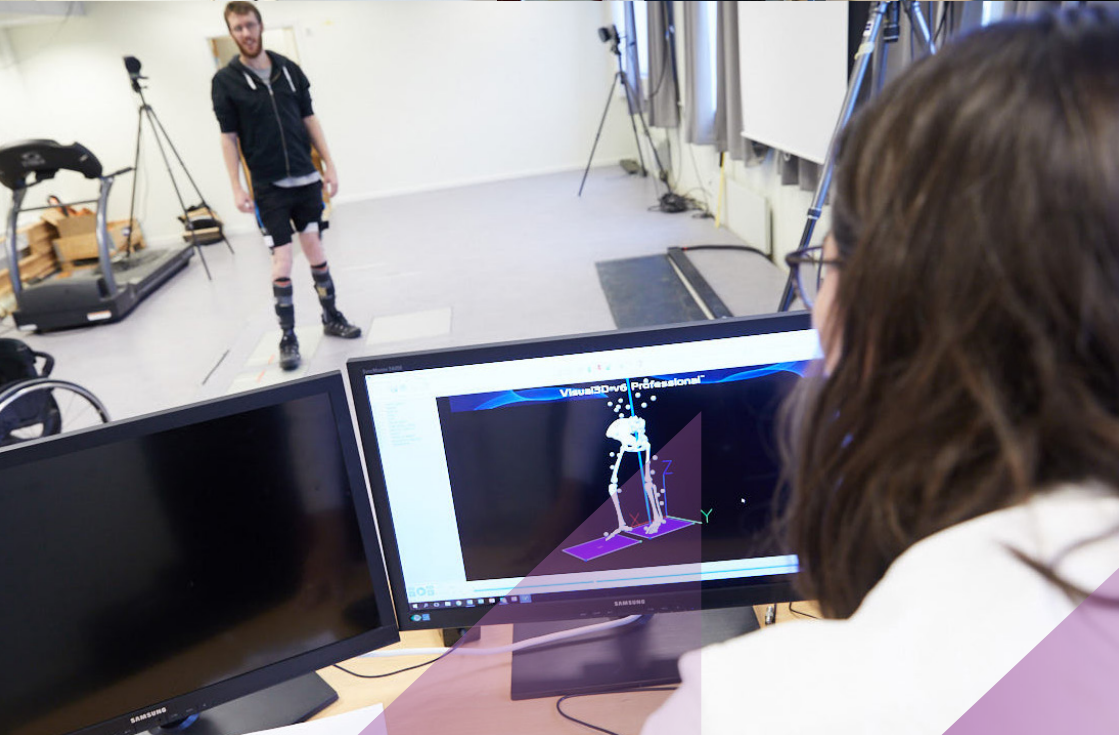
The programme is conducted and examined in English. Each course is assessed separately using a range of assessment methods including oral presentations, reports, projects and written examinations. In a single course one of these methods, or a combination of them, may be used.

PREREQUISITES

The applicant must hold a minimum of a Bachelor degree or equivalent (ie. the equivalent of 180 ECTS credits at an accredited university) in Prosthetics and Orthotics or Mechanical Engineering. Proof of English proficiency is required.



SEMESTER	Students with background in Prosthetics and Orthotics	Students with a background in engineering
1	Fundamentals in Assistive Technology	
	Introduction to Engineering Sciences – Bridging Course	Introduction to Medical Sciences – Bridging Course
2	Product Realization	
	Materials and Production Processes	
	Assistive Technology Design	
	Co-production Theory and Practice	
3	Innovation Project	
	Quality Improvement in Health and Engineering	
	Management and Innovation in the Health Sector	
	Research Methods and Evidence-based Practice	
	Industrial Placement	
4	Master Thesis	



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