

 JÖNKÖPING UNIVERSITY
School of Health and Welfare



MASTech

Degree of Master of Product Development (120 credits) - specialisation in Assistive Technology

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Post-graduate study opportunities

Magister or Master within a related field

- Evidence-based practice
- Hälsovetenskap
- Folkhälsovetenskap
- Produktutveckling



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Post-graduate study opportunities

Masters in P&O

- Strathclyde (advanced biomechanics)
- Hong Kong (rehabilitation studies)
- South Hampton (amputation and prosthetic rehabilitation)
- Mahidol (prosthetics and orthotics)

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No Masters Program tied to P&O at JU

- Why?
 - Qualified staff
 - Limited market
 - Financing / HHJ financed for limited student places



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No Masters Program tied to P&O at JU

- What have we done to address this
 - Qualified staff (4 staff members with PhDs)
 - Limited market (international students/other professions)
 - Financing (Grant funding, full fee paying students)



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KK stiftelse:



- SPARK är en forsknings- och utbildningsplattform som ska främja företagens utveckling av **kunskapsintensiva produkter och processer**.

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- SPARK skapar kunskap och kompetens som stödjer utvecklingen mot en mer kunskapsintensiv industri.

The diagram illustrates six interconnected areas of SPARK's focus, arranged in a circular pattern around a central network icon. Each area is represented by a line-art icon, a text label, and a purple circular icon.

- Advanced and optimized components, materials and manufacturing:** Represented by a molecular structure icon.
- Digitalization for smart products and services:** Represented by a cloud and smartphone icon.
- Integrated development of products and production:** Represented by a person and gear icon.
- Responsive and efficient operations and supply chains:** Represented by a person and supply chain icon.
- Renewal and organizing for sustainable innovation:** Represented by a group of people icon.

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MasTECH

- **Master in product development – specializing in assistive technology**
 - 2 year full-time master program
 - Open to Prosthetist/Orthotists and Engineers
 - Collaboration between School of Health and Welfare and School of Engineering
 - Tight collaboration with industry partners
 - International program

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Semester	Students with background in Healthcare	Students with a background in engineering
1	Fundamentals in Assistive Technology	
	Introduction to Engineering Sciences – bridging course	Introduction to Medical Sciences – bridging course
	Product Realization	
2	Materials and Production Processes	
	Assistive Technology design	
	Co-production theory and practice	
	Innovation Project	
3	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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More Information?

- <https://ju.se/studera/program/program-pa-avancerad-niva/mastech.html>
- Swedish applications open 15 March
- Start August 2020

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