

Master's Degree Programme in Digital Health Master of Engineering

Instructions for applicant:

1. Fill in the application form at www.studyinfo.fi. Application period is from 4 to 18 January 2023. The application period ends on 18 January at 3 pm Finnish time.
2. Write the preliminary task according to instructions given, use Word: margins 2, font Arial, size 12, line spacing 1.5.
3. Write your name and date of birth on the top of the preliminary task document.
4. When the preliminary task is ready, upload it to your application form in pdf-format.

You can upload the preliminary task to your application form at the same time you are filling in the application form.

You can also return to your application form later and upload the preliminary task by 25 January 2023 at 3 pm Finnish time at the latest:

- either by logging into the My Studyinfo at www.studyinfo.fi by using Finnish bank identification codes or mobile certificate
- or by using the link in the confirmation email you have received from Studyinfo when filling in the application form.

It is not possible to submit the preliminary task after the deadline.

Preliminary tasks will be evaluated only if the applicant has returned both tasks (1 and 2).

Instructions for the preliminary task

Master's Degree Programme in Digital Health

Studying in the Master's Degree Programme in Digital Health is for those who are developers, people interested in 'health tech' environments and interdisciplinary work, and those who are willing to embrace new professional challenges. The curriculum focus is on modern and innovative methods, research, development and innovations in the social and health care field, business and administration, engineering, and entrepreneurship in the context of Health Care and Social Welfare.

Read more about programme content at the Savonia UAS website:

<https://www.savonia.fi/en/study-with-us/degree-studies/masters-in-english/master-of-engineering-digital-health-online-studies/>

The preliminary task has two parts:

1. (A-D) Digitalization in Social and Health Care and Personal Development (max. 40 points).

Answer the following questions:

A) Pros and cons of digital health. Write a discussion about this topic with references. Use articles 1 and 2 shown below, and research and cite one (1) additional scientific peer reviewed article about the topic. Reference the articles using APA-style. (15 p)

B) What is the future of digital health professionals? Write a discussion with references. Use article number 3 shown below. Reference the article using APA-style. (15 p)

C) Why do you want to pursue a Master of Digital Health at Savonia UAS? How do you believe this will further your professional goals? (5 p)

D) What are your existing competences and interests related to this master's degree? Describe your key competences. If you have working experience related to digitalization, please describe that too (5 points)

Articles:

1. Kruse CS, Karem P, Shifflet K, Vegi L, Ravi K & Brooks M. 2018. Evaluating barriers to adopting telemedicine worldwide: A systematic review. *J Telemed Telecare* 24(1): 4-12.

<https://doi.org/10.1177%2F1357633X16674087>

2. Heponiemi T, Kaihlanen A-M, Kouvonen A, Leemann L, Taipale S & Gluschkoff K. 2022. The role of age and digital competence on the use of online health and social care services: A cross-sectional population-based survey. *Digital Health* 8, 1-10. <https://doi.org/10.1177%2F20552076221074485>

3. Jarva E, Mikkonen K, Andersson J, Tuomikoski A-M, Kääriäinen M, Meriläinen M & Oikarinen A. 2022. Aspects associated with health care professionals' digital health competence development – a qualitative study. *FinJeHeW* 14 (1), 79-91. <https://doi.org/10.23996/fjhw.111771>

2. Working life development: Your idea of the thesis (max. 60 points)

Successful completion of a master's thesis is a requirement for all Savonia UAS master's degrees. The thesis develops and verifies the student's ability to apply research information and utilise appropriate methods to analyse and solve various problems in working life. It also highlights and affirms the student's qualifications and ability required in demanding professional positions. The extent of the master's thesis is 25 ECTS credits (675 hours).

Describe your development and/or research idea, which supports both your professional goals and your working life setting. Your topic needs to be related to digital health. Clearly express your idea. Why it is important? What is the target organization/setting? Include an explanation of why you chose this topic.

Use the following format: 1) title page (including title and your name), 2) contents, 3) background, 4) objective and aim, 5) methods including preliminary schedule, and 6) references. Maximum five (5) pages text + title page and references.

Reference sources using APA-style.

Preliminary tasks will be evaluated only if the applicant has returned both tasks (1 and 2).