Koulutus	Business Information Technologies
Opiskelija	
Tuuttori	

NQF, Taso 6 - edellyttävä osaaminen
Ammattikorkeakoulututkinto ja alempi korkeakoulututkinto
Hallitsee laaja-alaiset ja edistyneet oman alansa tiedot, joihin liittyy teorioiden, keskeisten käsitteiden, menetelmien ja periaatteiden kriittinen ymmärtäminen ja arvioiminen. Ymmärtää ammatillisten tehtäväalueiden ja/tai tieteenalojen kattavuuden ja rajat. Hallitsee edistyneet taidot, jotka osoittavat asioiden hal-lintaa, kykyä soveltaa ja kykyä luoviin ratkaisuihin, joita vaaditaan erikoistuneella ammatti-, tieteen- tai taiteenalalla monimutkaisten tai ennakoimatto-mien ongelmien ratkaisemiseksi.
Kykenee johtamaan monimutkaisia ammatillisia toimia tai hankkeita tai kyke-nee työskentelemään itsenäisesti alan asiantuntijatehtävissä. Kykenee päätök-sentekoon ennakoimattomissa toimintaympäristöissä. Perusedellytykset toimia alan itsenäisenä yrittäjänä. Kykenee vastaamaan oman osaamisensa arvioinnin ja kehittämisen lisäksi yksittäisten henkilöiden ja ryhmien kehityksestä.
Valmius jatkuvaan oppimiseen. Osaa viestiä riittävästi suullisesti ja kirjallisesti sekä alan että alan ulkopuoliselle yleisölle. Kykenee itsenäiseen kansainväliseen viestintään ja vuorovaikutukseen toisella kotimaisella ja vähintään yhdellä vieraalla kielellä.

ARENE ry:n ja strategian mukaiset kompetenssit	Arvioi osaamisesi tasoa kompetensseissa. Esitä esimerkkejä, miten vaadittu osaaminen näkyy toiminnassasi.
LEARNING COMPETENCE (OPPIMISEN TAIDOT) You know the stages of the professional learning path and the competences essential in the selected professional field. You are able to evaluate and advance your own learning process and outcomes. You are able to utilize various digital platforms and related technologies to support your learning process on/off campus. (Management of distances)	
ETHICS AND RESPONSIBILITY COMPETENCE (EETTINEN OSAAMINEN JA VASTUULLISUUS) You know the essentials of ethics and responsibility in academic and professional working environments and are able to follow ethical guidelines. You are able to follow the risk management processess of the enterprise. (Safety and Security)	

WORK COMMUNITY COMPETENCE (TYÖYHTEISÖOSAAMINEN) You are able to act in academic and professional environments, and to communicate successfully in the team. You know the guidelines for equality and are able to appreciate cultural differences. You know the fundamental principles of business and entrepreneurship which guide your work. (Service business and enterpreneurship)	
INNOVATION COMPETENCE (INNOVAATIO-OSAAMINEN) You know the role of innovations in the digital transformation process and are able to contribute to the innovation development process at the enterprise. You know business and social implications of technological innovations and how these affect the organizational structures, processes, business models, and the digital ecosystems.	
INTERNATIONALISATION COMPETENCE (KANSAINVÄLISTYMISOSAAMINEN) You have necessary language skills for working and developing her own professional competences. You are able to act succesfully in multicultural interactions.	
ENTERPRISE ICT INFRASTRUCTURE This competence means that you know how to and are able to establish, manage, develop, and support the business use and users of the ICT infrastructure of an enterprise. This competence is achieved when: You know basic building components of ICT infrastructure and cloud computing. You are able to establish, document, support and manage enterprise ICT environment according to various requirements of different stakeholders. You know the enterprise information security mechanisms and how to implement them. In accordance with the strategy of Lapland UAS, you understand the role of *safety and information security* in the ICT infrastructure and its components. Moreover, you are able to develop the capabilities of ICT infrastructure for the *management of distances.*	

DIGITAL ENTERPRISE AND ICT SOLUTIONS This competence means that you understand the general principles of digital enterprise and are able to determine the appropriateness of different ICT solutions for digital transformation. This competence is achieved when: You know the role of ICT in digital transformation of an enterprise, and you are able to recommend the appropriate ICT solutions according to the business strategy. You know the core elements and foundational capabilities of smart, connected products and digital service, including related technology infrastructure and skillsets. You are able to analyze business environment to identify development opportunities and requirements for the ICT solutions. - You know different sourcing models and their appropriateness for the business requirements. In accordance with the strategy of Lapland UAS you understand the foundational elements and factors of entrepreneurship and service business and are able to determine the appropriate sourcing options for ICT solutions.	
ENTERPRISE INFORMATION AND DATA MANAGEMENT This competence means that you know how to and are able to manage enterprise information and data. This competence is achieved when: You know the main principles and methods of enterprise information management, tools, standards and policies. You are able to use the appropriate tools to create, extract, maintain, renew and propagate business information and data. You are able to recognize relevant and useful information and data in digital ecosystems and to apply analysis methods and tools. You know different methods of collection and analysis of business information and data and are able to apply them in research and development work. In accordance with the Lapland UAS' strategic focus areas of service business and entrepreneurship, you are able to develop the business through the use of enterprise information and data.	

ICT SOLUTIONS DEVELOPMENT This competence means that you know how to and are able to develop ICT solutions for various business needs. This competence is achieved when: You know how to design, build, and implement responsible, secure, available and enterprise quality ICT solutions. You know the essentials of the development lifecycle, methodologies, and development tools for ICT solutions. You are able to analyse and define user requirements, and to implement the development process according to these requirements. You are able to code, debug, test, document, and communicate different solution development stages. In accordance with the strategy of Lapland UAS, you understand the role of safety and information security in the development of ICT solutions.	
DIGITAL ENTERPRISE DEVELOPMENT This competence means that you know how to and are able to enable and support the digital transformation of an enterprise. This competence is achieved when: You know the elements and factors of digital transformation of enterprises. You are able to analyse, document, and develop essential business and ICT processes, procedures, and profitability elements of business. In accordance with the Lapland UAS' strategic focus areas of service business and entrepreneurship and management of distances, you understand how digital transformation influences the enterprise and the business processes.	

PROJECT WORK This competence means that you knows how to and are able to contribute to digital enterprise development projects. This competence is achieved when: You know the principles of project management, methodologies, tools and are able to apply them. You are able to account for own and others activities in an multicultural environment, working within the project boundary, making choices and giving instructions. In line with the Lapland UAS' strategic focus area of management of distances the you are able to utilize online project management information systems.	