

For Digital Service Development Students and NIA Students

To support you when planning and updating your personal study plan



Content

- The purpose of these slides is to help you plan both this academic year and your future studies. The slideshow is divided into two sections:
 - Core competence studies and
 - Complementary competence studies.
- The slide series highlights changes and recommendations related to study offerings both at Laurea and outside Laurea.
- Changes in the study units will only affect you if you have not yet completed the study unit.
- **If you have started your studies in 2021 or earlier** please check also slideshow for Cyber Security students for curriculum changes related to these topics. Some slides are target to NIA group students.

Shortcuts

Explore the curriculum for complementary competence in your own field of study for the next academic year by clicking here.



Explore Laurea MOOC's by clicking here.

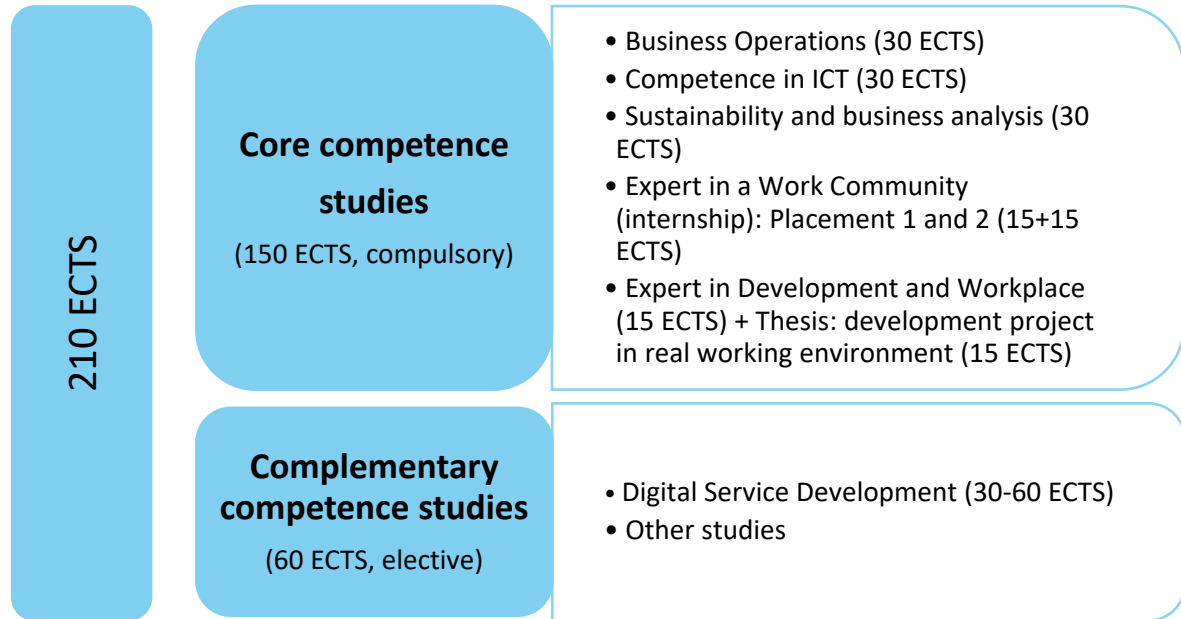


In the Study Search choose "self-paced studies (MOOCs)".

General information about the degree in cyber security

- The Degree Programme in Business Administration in Developing Digital Services (210 ECTS credits) consists of the following studies:
 - Core competence studies 150 ECTS credits (compulsory studies)
 - Complementary competence studies 60 ECTS credits (elective studies; 30 credits must be related to the field of study)
- The curriculum for complementary competence studies is updated annually and the following year's offering is published on 1st September.
- Changes in the study unit selection and study offering are possible.

Degree structure



** If you do not complete your studies at the pace of your group, discuss with your teacher tutor the need to change the study unit.*

Core competence studies

- Instructions on PSP changes
- Changes in compulsory studies



Instructions on PSP change needs

- PSP changes are only necessary for students who have not completed their studies in their own group or at the latest at the pace of the last study unit implementation.
- **An exception to this is the Research and Development Methods study unit**, whose study code will change from the autumn semester 2024 as the objectives have been specified slightly. All students who have not yet completed the study unit by the time of the change will complete it with the new code. In the future, we will make mass editing of PSPs. In mass editing, the new study is submitted to the PSP if you have not yet enrolled for the study unit before. If you have earlier enrolment or the study unit is graded as fail, please note the change yourself.

Changes in compulsory studies

Old study unit	New study unit	Last implementation of the old study unit
R0013 Swedish for Bachelors of Business Administration	HL00BY88 Svenska för tradenomer	Autumn semester 2023
R0218 Digital Service Business and Marketing	HL00BQ81 Digital Marketing and Sales	-
R0238 Project Management and Communication	YY00BW73 Project Management and Communcation	-
R0239 Research and Development Methods	YY00CA30 Research and Development Methods	-
YY00BT40 Research and Development Methods		Study unit implemented with code YYT0BT40 last time in spring semester 2024.

Complementary competence studies

- Instructions
- Changed studies
- New studies
- Recommendations



Developing Digital Services (choose min. 30 ECTS)

30 - 60 ECTS

Design of Applications (15 ECTS)

- R0329 Defining and Designing a Software Product (5)
- R0334 Introduction of Mobile Application Design and Development (5)
- R0328 Modelling a Digital Service (5)

Application Development (29 ECTS)

- TO00BL10 Dynamic Web Application with Javascript (5)
- R0330 Web Content Management Systems (5)
- R0335 Building and Deploying Cross Platform Mobile Apps (5)
- TO00BS65 Full Stack Development (5)
- Programming with different languages

Testing and Quality Assurance (10 ECTS)

- TO00BL79 Fundamentals of Testing (5)
- TO00BR89 Introduction to Information Security (5)
- TO00BS68 Robotic Process Automation (5)

Other complementary competence studies

- TO00BU81 Planning and Implementation of Media Elements
- TO00UY81 Fundamentals of Subscription Economy (2)
- TO00BX36 DevOps Fundamentals (3)
- E9955 Introduction to Linux Operating System (5)
- TO00BY35 AWS Cloud Fundamentals (3)

Self-paced MOOCs

To develop digital services:

- TO00BR89 Introduction to Information Security (5)
- R0421 Programming with Python (3)
- R0422 Programming with C (3)
- R0433 Basics Programming with C++ (3)
- TO00BX36 DevOps Fundamentals (3)
- TO00BU81 Fundamentals of Subscription Economy (2)
- TO00BY35 AWS Cloud Fundamentals (3)

For students in NIA groups: **Changes in complementary competence studies**

Old study unit	New study unit
TO00BL11 Web Development with MEAN	TO00BS65 Full Stack Development
R0421 Programming with Python	R0416 Programming with Python
R0422 Programming with C	R0414 Programming with C
R0423 Programming with C++	R0419 Basics of Programming with C++

Once you have made your choices, add your studies to your PSP and schedule your studies.

Add individual studies for your PSP with the code shown in the curriculum.

To add an entire module to your PSP, search for a study in your PSP with the module name and select a module with the code mentioned in the curriculum. See an example in the picture below.

Curriculum (ops.laurea.fi):

Code	Name		Credits (cr)	2024-2025
CCN224SY-1001	LEARNING LANE: WEB AND MOBILE APP DEVELOPMENT (Choose 60)	Read more	0 - 60	
CCN224SY-1002	DESIGN OF APPLICATIONS (Choose 15)	Read more	0 - 15	
R0329	Defining and Designing a Software Product		5	
R0334	Introduction to Mobile App Design and Development		5	
R0328	Modelling a Digital Service		5	

Study search when adding studies in the PSP in Pakki:

DESIGN OF APPLICATIONS

15 credits Study module CCN222SY-1002

[Add to basket](#)

DESIGN OF APPLICATIONS

15 credits Study module **CCN224SY-1002**

[Add to basket](#)

Did you notice these added study units?

These have been informed earlier:

- TO00BX36 DevOps Fundamentals
- TO00BS68 Robotic Process Automation
- R0329 Defining and Designing a Software Product
- R0418 Programming with Ruby
- R0415 Programming with C#
- R0417 Programming with PHP

Study units no longer available

These have been informed earlier:

- TO00BL12 Project: Web App Development with a Javascript Framework
- R0332 Project: Web App Development with a PHP Framework
- R0315 Web App Development with PHP/SQL

Did you notice these studies

- In particular, the module "Other complementary competence" in the curricula for complementary competence may receive new study units even at short notice before the start of enrolment.
- These studies are often offered on a one-off or fixed-term basis.



Discover the studies offered in the "Other Complementary Competences" module by clicking here.

Recommended common studies (1/2)

- The common generic studies curricula includes studies related to
 - entrepreneurial skills,
 - language and communication skills,
 - international competence,
 - wellbeing, study skills and impacting in student union and
 - other common skills.
- [The curricula can be viewed here.](#)

Recommended common studies (2/2)

Some recommended language studies:

- Roo78 Effective Spoken Communication in English 5 ECTS
- Roo79 Effective Writing in English 5 ECTS
- Ro258 Introduction to Finnish Language and Culture 2
- Ro259 Intermediate Finnish
- V1533 Advanced Finnish 5 ECTS
- Roo89 Language and Culture Tandem 5 ECTS

Recommended studies from other degree programmes (1/2)

- You can also choose studies from Laurea's other complementary competence curricula, taking into account the prerequisites: [The curricula can be viewed here.](#)
- This means that you can find interesting studies in service sector or ICT curriculum, for example.
- You can also choose studies in the core competence of another degree programme as complementary competence, as long as they develop your competence and you fit into the group.

Recommended studies from other degree programmes (2/2)

- **To be able to take part other study units in Security, Safety and Risk Management studies** either HT00BM79 *Basics of Corporate Safety, Security and Risk Management* or TO0BN76 *Business Continuity* must be completed first. Further studies include Preparedness (5 ECTS), Information and Cyber Security (5 ECTS), and other study units
- Please note that the curriculum for Security, Safety and Risk Management is under development and the path and studies mentioned above may change in the future.

3AMK study recommendations

- The 3AMK studies complement Laurea's study offering, so there is no need to separately agree on including them in your PSP if they produce new competence for your degree. However, it is good to discuss your choices of complementary competence studies in PSP discussions with the tutor teacher.
- 3AMK offerings include a wide range of diverse and cross-disciplinary studies, and the study offerings are categorized into ten themes. You can find studies suitable your degree in each theme, depending on your interests.
- For further information visit [3AMK site](#)

CampusOnline studies

There is no need to separately agree on including CampusOnline studies in your PSP if they produce new competence for your degree. In case you are unsure, please consult your tutor teacher.

[Visit CampusOnline](#)

Other study possibilities

- [CampusOnline](#) - consult your tutor lecturer of the study choices you make
- Other study possibilities outside Laurea are offered by:
 - [MOOC.fi](#): Studies offered by Helsinki University
 - [FITECH](#): open courses in the field of technology offered by a network of universities
- Additional studies can replace core competence studies or they can be added to complementary competence studies
- Before enrolling have a discussion with your tutor teacher.

Volunteer Challenges

Volunteer Challenges for students interested in cyber security:

- [picoCTF](#): Join Laurea Public Classroom (Invite code: CDFMdPrpA)
- [HackTheBox](#): Join Laurea University community
- [TryHackMe](#)
- [PortSwigger](#)
- [Kali-Linux](#)