

**Curriculum at LAB University of Applied Sciences
2025-2026**

Bachelor of Health Care, Paramedic 25K, full-time studies, Lappeenranta

Code	Name	1 y	2 y	3 y	4 y	ECTS total
HLPREH25K-1001 CORE COMPETENCE						229
HLPREH25K-1002 Common Core Competence						15
AY00BT88	Developing Professional Competence 1	1				1
AY00BT89	Developing professional competence 2		1			1
AY00BT90	Developing Professional Competence 3			1		1
A300CE13	Orientation to Sustainability Thinking	2				2
KS00BT59	Expert Communication Skills	4				4
KE00BT61	English for Work	4				4
KR00BU42	Swedish for Work, Spoken	1				1
KR00BU43	Swedish for Work, Written	1				1
HLPREH25K-1003 Professional Core Competence						199
HLPREH25K-1004 Evidence-Based Nursing Competence						20
AH00CX73	Basics of Nursing	5				5
AH00CX74	Basic Nursing Interventions	5				5
AH00CX75	Anatomy and Physiology	5				5
AH00CX76	Pharmacotherapy and Pharmacology	5				5
HLPREH25K-1005 Basics Of Multidisciplinary Nursing Competence						9
AH00CX97	Clinical Training in Basics of Nursing	6				6
AH00CX78	Expert Work in the Social and Health Care Sector	3				3
HLPREH25K-1006 Evidence-Based Medical-Surgical Nursing Competence						19
AH00CX79	Basics of Medical-Surgical Nursing	5				5
AH00CX81	Applied Medical-Surgical Nursing	5				5
AH00CX98	Clinical Training in Medical-Surgical Nursing	9				9
HLPREH25K-1007 Technological Competence In Supporting Functional Capacity						11
AH00CX83	Gerontological Nursing		5			5
AH00CX99	Clinical Training for Nursing at Home		6			6
HLPREH25K-1008 Nursing Competence In Multidisciplinary Environments						18
AH00CX86	Expert Work in Multidisciplinary Networks		2			2
AH00CX89	Mental Health and Substance Abuse Nursing		5			5
AH00CX87	Nursing of Children and Adolescent			5		5
AH00CY49	Clinical Training in Child and Adolescent Nursing			6		6

HLPREH25K-1009 Multidisciplinary Nursing Assessment Competence					16
AH00CX94	Promoting Health and Well-Being in Nursing		5		5
AH00CY16	Clinical Training in Mental Health and Substance Abuse Nursing		6		6
AY00CU42	Leadership as a profession			3	3
AY00CU16	Entrepreneurship			2	2
HLPREH25K-1010 Evidence-Based Basic Level Emergency Care					32
AH00CY01	Emergency Medical Services		5		5
AH00CY02	Patient Examining		5		5
AH00CY03	Basic Level Emergency Care: Acute Illness		6		6
AH00CY04	Basic Level Emergency Care: Acute Traumas		6		6
AH00CY05	Clinical training in EMS, Basic Level			9	9
AH00CY06	Evaluation of Professional Basic Paramedic Nursing Skills			1	1
HLPREH25K-1011 Evidence-Based Nursing Decision-Making Competence					24
AH00BU27	Research, Development and Innovation Competence in the Social and Health Care		5		5
AH00CX92	Nursing an Acutely Ill Patient			5	5
AH00CY00	Clinical Training in Emergency Department			9	9
AH00CX91	Perioperative Nursing			5	5
HLPREH25K-1012 Advanced Technological Competence In Nursing					11
AH00CY07	Intensive Care Nursing			5	5
AH00CY08	Clinical Training in Intensive Care			6	6
HLPREH25K-1013 Advanced Level Emergency Care					21
AH00CY09	Emergency Care of Obstetric and Paediatric Patients			4	4
AH00CY10	Advanced Level Emergency Care: Acute Illness			9	9
AH00CY11	Advanced Level Emergency Care: Acute Traumas			5	5
AH00CY12	Assessment of the Need for Treatment and Service Coordination in EMS			3	3
HLPREH25K-1014 Advanced Level Emergency Care					18
AH00CY13	Situation Leadership and Basics of Managing a Mass Casualty Situations			3	3
AH00CY14	Clinical training in EMS, Advanced Level			14	14
AH00CY15	Evaluation of Professional Advanced Paramedic Nursing Skills			1	1
HLPREH25K-1015 Thesis					15
AO00BU44	Thesis Planning			5	5
AO00BU45	Thesis Project			5	5
AO00BU46	Thesis Report			5	5
HLPREH25K-1016 Assessment of Nurse's Core Competences (180 ECTS)					0
AH00CQ93	Medication Calculations 2				0
AH00CQ94	Medication Calculations 3				0
AH00CQ76	Assessment of Nurse's Core Competences (180 ECTS)				0
HLPREH25K-1017 COMPLEMENTARY COMPETENCE					11
AH00CX96	Clinical Training in Project		5		5

AH00CY18	Clinical Training in Advanced Skills					6	6
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HLPREH25K-1001 CORE COMPETENCE: 229 ECTS

HLPREH25K-1002 Common Core Competence: 15 ECTS

AY00BT88 Developing Professional Competence 1: 1 ECTS

Learning outcomes

The student is able to

- plan their own learning and cooperate in situations related to their own field of studies
- recognize their own competence and the needs to develop them further and to plan their career path observing them
- act as a group member
- operate in the learning environments of LAB University of Applied Sciences
- picture their own field of studies and its future skills
- give feedback on tuition and services and thus participate in the development of education

AY00BT89 Developing professional competence 2: 1 ECTS

Learning outcomes

The student is able to

- utilize various learning opportunities in curriculum
- recognize and aim their own competences to be in level with the future career requirements
- create a study plan that supports the future career goal
- give feedback on tuition and services and thus participate in the development of education

AY00BT90 Developing Professional Competence 3: 1 ECTS

Learning outcomes

The student is able to

- identify themselves as a learner and develop their own learning skills
- evaluate innovative or alternative future competences required in their own field
- recognize and aim their own competences to be in level with the future career requirements
- masters the professional concepts of their own field and is able to point out their competencies during job recruitment processes
- give feedback on tuition and services and thus participate in the development of education

A300CE13 Orientation to Sustainability Thinking: 2 ECTS

Learning outcomes

Identify and define central concepts and frameworks related to sustainability. Recognize the interconnectedness of economic, social and environmental sustainability issues. Understand and develop own individual role in driving sustainability.

Evaluation criterias

Level 1

Pass-Fail

KS00BT59 Expert Communication Skills: 4 ECTS

Learning outcomes

Proficiency level: C2

The student masters Finnish language as a mother tongue in all professional spoken and written communication situations.

KE00BT61 English for Work: 4 ECTS

Learning outcomes

Proficiency level: B2

The student is able to

- communicate clearly and effectively in different generic and field-specific workplace situations both orally and in writing
- find, evaluate and use information effectively
- function collaboratively in international working environments.

KR00BU42 Swedish for Work, Spoken: 1 ECTS

Learning outcomes

The student is able to

- convey and validate arguments
- use vital field-specific vocabulary
- communicate essential matters about their education, work experience and tasks
- present their field-specific operational environment
- communicate in various working life situations in Swedish.

The student completes the Public Administration Language Test in Swedish.

KR00BU43 Swedish for Work, Written: 1 ECTS

Learning outcomes

The student is able to

- use vital field-specific vocabulary
- communicate essential matters about their education, work experience and tasks
- understand and produce various short texts related to studies and working life
- acquire information on their field in Swedish
- use online dictionaries.

The student completes the Public Administration Language Test in Swedish.

HLPREH25K-1003 Professional Core Competence: 199 ECTS

HLPREH25K-1004 Evidence-Based Nursing Competence: 20 ECTS

AH00CX73 Basics of Nursing: 5 ECTS

Learning outcomes

The student is able to

- explain how the scientific basis, values and legislation of nursing guide nursing practices
- assess factors of professional interaction with diverse customer groups in different operating environments
- differentiate safety factors in customer care in different nursing environments
- apply nutritional care recommendations in customers' daily diets
- use a customer-oriented nursing process in documentation in compliance with data protection regulations and information security requirements.

AH00CX74 Basic Nursing Interventions: 5 ECTS

Learning outcomes

The student is able to

- use the ABCDE method to examine a patient and provide first aid
- implement ergonomic working methods, taking into account the principles of customer, patient and occupational safety
- use guidance methods and principles in different physical and digital nursing environments
- implement the principles of palliative and terminal care when encountering dying patients and their families
- safely carry out drug dosage calculations required for pharmacotherapy and fluid therapy.

AH00CX75 Anatomy and Physiology: 5 ECTS

Learning outcomes

The student is able to

- assess the structure, function and regulation of the organ systems of the human body and the factors affecting them
- explain the causation mechanisms of diseases and the changes caused by them in the body
- present the principles of microbiology and infection prevention in clinical nursing.

AH00CX76 Pharmacotherapy and Pharmacology: 5 ECTS

Learning outcomes

The student is able to

- explain the pharmacotherapy process, the legislation guiding pharmacotherapy, and its ethical principles as a member of a multidisciplinary team
- apply knowledge of anatomy and physiology in pharmacotherapy and pharmacology when planning and assessing pharmacotherapy in the treatment of different diseases
- assess evidence-based information in the guidance of pharmacotherapy for customers, patients, and families as well as their commitment to pharmacotherapy and self-care
- implement pharmacotherapy using different routes of administration
- assess pharmacotherapy-related health technology in new operating environments.

HLPREH25K-1005 Basics Of Multidisciplinary Nursing Competence: 9 ECTS

AH00CX97 Clinical Training in Basics of Nursing: 6 ECTS

Learning outcomes

The student is able to

- plan, implement and assess customer-oriented nursing in accordance with sustainable and ethical principles
- interact professionally with diverse customer groups in a multidisciplinary work community
- apply basic nursing skills and nutrition recommendations in maintaining a customer's functional capacity and promoting their health
- utilise well-being technology solutions in a customer-oriented manner
- record the nursing process in electronic databases in compliance with data protection regulations.

AH00CX78 Expert Work in the Social and Health Care Sector: 3 ECTS

Learning outcomes

The student is able to

- act responsibly, ethically and in a customer-oriented manner in the operating environments of the social and health care sector
- explain legislative starting points in the social and health care sector
- explain the starting points for multidisciplinary cooperation
- describe aspects of the customer's functional capacity
- use social and health care sector databases responsibly

HLPREH25K-1006 Evidence-Based Medical-Surgical Nursing Competence: 19 ECTS

AH00CX79 Basics of Medical-Surgical Nursing: 5 ECTS

Learning outcomes

The student is able to

- apply evidence-based knowledge of diseases requiring medical-surgical treatment at different stages of the treatment process
- assess the patient's safe pharmacotherapy, fluid therapy and nutritional care in medical-surgical nursing
- assess the need for immediate care and make evidence-based decisions
- utilise evidence-based knowledge of customer-oriented teaching and guidance methods in committing customers to their treatment
- apply their knowledge of the most common internal diseases and cancer.

AH00CX81 Applied Medical-Surgical Nursing: 5 ECTS

Learning outcomes

The student is able to

- apply clinical nursing procedures in the treatment of medical-surgical patients
- apply their knowledge of the stages of pre-, intra- and post-operative nursing
- plan the promotion of a customer's functional capacity and rehabilitation in multidisciplinary cooperation
- assess digital solutions in the overall treatment and guidance of medical-surgical customers
- apply their knowledge of the most common surgically treated diseases.

AH00CX98 Clinical Training in Medical-Surgical Nursing: 9 ECTS

Learning outcomes

The student is able to

- implement the care of a patient with a medical-surgical disease in a multidisciplinary work community
- plan, implement and assess the patient's safe and evidence-based pharmacotherapy, fluid therapy and nutritional care in medical-surgical nursing
- interact professionally with customers, patients and their families to support them in a resource-oriented manner
- guide patients with medical-surgical diseases in the use of various digital applications and services
- plan, implement and assess a customer-oriented nursing process and make records in electronic databases in compliance with data protection regulations.

HLPREH25K-1007 Technological Competence In Supporting Functional Capacity: 11 ECTS

AH00CX83 Gerontological Nursing: 5 ECTS

Learning outcomes

The student is able to

- apply comprehensive geriatric assessments of elderly people and carry out assessments of service needs
- plan evidence-based nursing that supports an elderly person's functional capacity
- propose customer-oriented well-being technology solutions for supporting elderly people's functional capacity
- assess the reasons for the changing behaviour of a person with a memory disorder and apply non-pharmaceutical treatments
- apply their knowledge of the basics of geriatrics.

AH00CX99 Clinical Training for Nursing at Home: 6 ECTS

Learning outcomes

The student is able to

- assess the functional capacity and need for care of customers of different ages
- plan, implement and assess evidence-based nursing in outpatient care and home care settings
- justify nursing-related decision-making in a customer-oriented and evidence-based manner
- apply digital tools and well-being technology in a customer-oriented manner in supporting and guiding a customer's functional capacity
- assess the impact of multidisciplinary teamwork in a customer's care.

HLPREH25K-1008 Nursing Competence In Multidisciplinary Environments: 18 ECTS

AH00CX86 Expert Work in Multidisciplinary Networks: 2 ECTS

Learning outcomes

The student is able to

- draw on research-based knowledge to assess the working community's operating methods and occupational safety

- analyse the structures, activities and effectiveness of the social and health care service system from the customer's perspective
- develop customer-oriented social and health care services using multidisciplinary and multi-actor cooperation
- assess and promote the goal-oriented activities of a multidisciplinary network.

AH00CX89 Mental Health and Substance Abuse Nursing: 5 ECTS

Learning outcomes

The student is able to

- apply evidence-based knowledge of mental health and substance abuse disorders at different stages of the treatment process
- apply non-pharmaceutical and pharmaceutical evidence-based nursing methods in mental health and substance abuse nursing
- assess multidisciplinary mental health and substance abuse nursing based on ethical guidelines and legislation
- explain the significance of interaction in mental health and substance abuse nursing
- apply their knowledge of the basics of psychiatry in nursing.

AH00CX87 Nursing of Children and Adolescent: 5 ECTS

Learning outcomes

The student is able to

- explain the methods of supporting the growth and development of children of different ages, taking into account resource-oriented encounters with families when a child is ill
- apply evidence-based child- and family-oriented teaching and guidance methods, taking digital solutions into account
- plan individual, evidence-based multidisciplinary nursing of children, young people and families
- assess the special features of pharmacotherapy, fluid therapy and nutritional care for children and young people
- apply their knowledge of the most common paediatric diseases.

AH00CY49 Clinical Training in Child and Adolescent Nursing: 6 ECTS

Learning outcomes

The student is able to

- plan, implement and assess multidisciplinary individual, evidence-based nursing in cooperation with the child and parents
- plan, implement and evaluate safe pharmacotherapy, fluid therapy and nutritional care for children and young people
- apply resource-based support methods for children and young people from diverse families
- guide children and young people of different ages as well as their parents when the child is ill, making use of digital solutions
- draw conclusions on a child's or young person's condition and propose suitable nursing assistance methods.

HLPREH25K-1009 Multidisciplinary Nursing Assessment Competence: 16 ECTS

AH00CX94 Promoting Health and Well-Being in Nursing: 5 ECTS

Learning outcomes

The student is able to

- assess factors of community health and well-being at the individual and community level, applying evidence-based information
- propose interventions related to health and functional capacity for individuals and groups in multidisciplinary cooperation with customers and patients
- analyse risk factors as well as existing and new health threats as part of promoting the health of customers or patients
- explain the objectives of the vaccination programme in promoting the well-being of the population
- explain the diversity of sexuality and the significance of sexual health for well-being by identifying its risk factors.

AH00CY16 Clinical Training in Mental Health and Substance Abuse Nursing: 6 ECTS

AY00CU42 Leadership as a profession: 3 ECTS

Learning outcomes

Students knows:

- the characteristics of contemporary leadership and the importance of the organization of the work community.
- the diverse field of responsibilities of leaders and their own role in it.
- basics of labor law

AY00CU16 Entrepreneurship: 2 ECTS

Learning outcomes

Student is able to

- understand entrepreneurship through personal development
- find and utilize different customer oriented business opportunities.

HLPREH25K-1010 Evidence-Based Basic Level Emergency Care: 32 ECTS

AH00CY01 Emergency Medical Services: 5 ECTS

AH00CY02 Patient Examining: 5 ECTS

AH00CY03 Basic Level Emergency Care: Acute Illness: 6 ECTS

AH00CY04 Basic Level Emergency Care: Acute Traumas: 6 ECTS

AH00CY05 Clinical training in EMS, Basic Level: 9 ECTS

AH00CY06 Evaluation of Professional Basic Paramedic Nursing Skills: 1 ECTS

HLPREH25K-1011 Evidence-Based Nursing Decision-Making Competence: 24 ECTS

AH00BU27 Research, Development and Innovation Competence in the Social and Health Care: 5 ECTS

Learning outcomes

The student is able to

- describe the most common research methods in the social and health field
- evaluate and analyze the ethical principles and reliability of research and development
- describe the stages of a research process
- explain the concept of innovation and utilize innovation in the development of one's own field
- use the most important research, development and innovation methods in their field in the implementation of the thesis

AH00CX92 Nursing an Acutely Ill Patient: 5 ECTS

Learning outcomes

The student is able to

- systematically assess the need for treatment of patients in need of urgent care in different operating environments
- analyse the functionality of digital solutions as part of assessing the care and service needs of acutely ill customers
- assess their own evidence-based activities as well as those of a multidisciplinary team in the nursing of an acutely ill patient
- apply the operating models and communications of multi-authority cooperation to ensure patient safety in exceptional and hazardous situations.

AH00CY00 Clinical Training in Emergency Department: 9 ECTS

AH00CX91 Perioperative Nursing: 5 ECTS

Learning outcomes

The student is able to

- assess evidence-based and sustainable perioperative nursing
- plan nursing methods used in anaesthesia and surgical nursing
- critically assess multidisciplinary evidence-based clinical decision-making in perioperative nursing
- apply their knowledge of the basics of anaesthesiology in nursing.

HLPREH25K-1012 Advanced Technological Competence In Nursing: 11 ECTS

AH00CY07 Intensive Care Nursing: 5 ECTS

AH00CY08 Clinical Training in Intensive Care: 6 ECTS

HLPREH25K-1013 Advanced Level Emergency Care: 21 ECTS

AH00CY09 Emergency Care of Obstetric and Paediatric Patients: 4 ECTS

AH00CY10 Advanced Level Emergency Care: Acute Illness: 9 ECTS

AH00CY11 Advanced Level Emergency Care: Acute Traumas: 5 ECTS

AH00CY12 Assessment of the Need for Treatment and Service Coordination in EMS: 3 ECTS

HLPREH25K-1014 Advanced Level Emergency Care: 18 ECTS

AH00CY13 Situation Leadership and Basics of Managing a Mass Casualty Situations: 3 ECTS

AH00CY14 Clinical training in EMS, Advanced Level: 14 ECTS

AH00CY15 Evaluation of Professional Advanced Paramedic Nursing Skills: 1 ECTS

HLPREH25K-1015 Thesis: 15 ECTS

AO00BU44 Thesis Planning: 5 ECTS

Learning outcomes

Student is able to

- describe the objectives and core contents of their thesis
- plan and describe the stages of the thesis process
- take into account the possible research permit and copyright issues.

AO00BU45 Thesis Project: 5 ECTS

Learning outcomes

Student is able to

- implement the thesis on the basis of an approved thesis plan

AO00BU46 Thesis Report: 5 ECTS

Learning outcomes

Student is able to

- present the results or output of their thesis

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- report on their thesis in writing in accordance with the thesis guidelines of LAB University of Applied Sciences
 - write a maturity test.

HLPREH25K-1016 Assessment of Nurse's Core Competences (180 ECTS): 0 ECTS

AH00CQ93 Medication Calculations 2: 0 ECTS

Learning outcomes

The student can:

- The student can calculate the drug doses used in drug therapy
- Can calculate medical calculations flawlessly

AH00CQ94 Medication Calculations 3: 0 ECTS

Learning outcomes

The student can:

- The student can calculate the drug doses used in drug therapy
- Can calculate medical calculations flawlessly

AH00CQ76 Assessment of Nurse's Core Competences (180 ECTS): 0 ECTS

HLPREH25K-1017 COMPLEMENTARY COMPETENCE: 11 ECTS

AH00CX96 Clinical Training in Project: 5 ECTS

Learning outcomes

The student is able to

- analyse the stages of project work and apply them in development work
- work as a member of a multidisciplinary and diverse group in development, innovation and research processes
- apply the principles of team work and networking in an ethical manner in patient and customer guidance
- make use of the opportunities offered by digitalisation and well-being technology in health promotion development
- draw on evidence-based information when planning, implementing and evaluating project work as a whole.

AH00CY18 Clinical Training in Advanced Skills: 6 ECTS