

**Curriculum at LAB University of Applied Sciences
2022-2023**

**Bachelor of Health Care, Paramedic 22S, full-time studies,
Lappeenranta**

Code	Name	1 y	2 y	3 y	4 y	ECTS total
HLPRPARA22S-1001 Core Competences						15
AY00CE71	Developing Professional Competences 1	3				3
AY00CE72	Developing Professional Competences 2	0,5	0,5			1
AY00CE73	Developing Professional Competences 3		0,5	0,5		1
A300CE13	Orientation to Sustainability Thinking		2			2
KE00CE74	Intercultural Awareness	3				3
KE00CE75	English for Professional Communication	5				5
KR00BU42	Swedish for Work, Spoken					0
KR00BU43	Swedish for Work, Written					0
KS00BT59	Expert Communication Skills					0
HLPRPARA22S-1002 Professional Core Competences						150
AH00CL43	Professional Base in Social and Health Care	3				3
AH00CK77	Research, Development and Innovation Competence in the Social and Health Care			5		5
K200CE69	Finnish 1	3				3
K200CE70	Finnish 2	3				3
K200CH62	Finnish 3		3			3
K200CH63	Finnish 4		3			3
HLPRPARA22S-1003 Basics of Professional Nursing						20
AH00CK57	Principles of Nursing	5				5
AH00CK55	Clinical Nursing Interventions	5				5
AH00CK56	Basics of Anatomy and Physiology	5				5
AH00CK58	Clinical Training in Basics of Nursing	5				5
HLPRPARA22S-1004 Safe Medical-Surgical Nursing						25
AH00CK60	Medical-Surgical Nursing	10				10
AH00CK59	Pharmacotherapy	5				5
HLPRPARA22S-1005 Self-Care Supporting Medical-Surgical Nursing						10
AH00CM83	Clinical Training in Medical-Surgical Nursing 1	10				10
HLPRPARA22S-1006 Client-Centered Safe Acute Care						10
AH00CK62	Clinical Training in Self-Care Supporting Nursing		5			5
AH00CM89	Competence in Acute Care Nursing and Emergency		5			5

	Health Care						
HLPRPARA22S-1007 Basics of Paramedic Nursing							30
AH00CK63	Emergency Care Services		5			5	
AH00CK64	Examination of a Patient		5			5	
AH00CK65	Basic Level Paramedic Nursing I		5			5	
AH00CK66	Basic Level Paramedic II and Evaluation of Professional Paramedic Skills 1		5			5	
AH00CK67	Clinical Training in Basic Level Paramedic			10		10	
HLPRPARA22S-1008 Customer-Oriented Mental Health and Substance Abuse Nursing							10
AH00CK68	Mental Health and Substance Abuse Nursing		5			5	
AH00CK69	Clinical Training in Mental Health and Substance Abuse Nursing		5			5	
HLPRPARA22S-1009 Health Promotion in Nursing							5
AH00CK75	Promote Wellbeing and Health of Community		5			5	
HLPRPARA22S-1010 Multidisciplinary Care for Children, Young People and Families							10
AH00CK71	Child, Adolescent and Family Nursing		5			5	
AH00CK72	Clinical Training in Child, Adolescent and Family Nursing		5			5	
HLPRPARA22S-1011 Ethic Gerontological Nursing							5
AH00CK76	Gerontological Nursing			5		5	
HLPRPARA22S-1012 Nursing in Emergency Room							15
AH00CK73	Emergency Nursing Care			5		5	
AH00CK74	Clinical Training in Emergency Care			10		10	
HLPRPARA22S-1013 Complementary Competences							60
HLPRPARA22S-1014 Advanced Special Studies in Paramedic							25
AH00CK78	Medical and Pharmacology in Emergency			5		5	
AH00CK79	Anaesthesia and Intensive Care Nursing			5		5	
AH00CK80	Clinical Training in Anaesthesia and Intensive Care Nursing				10	10	
AH00CL47	Evaluation of Professional Paramedic Skills II and Projects				5	5	
HLPRPARA22S-1015 Advanced Paramedic Nursing							35
AH00CK82	Measures and Guidance in Paramedic				5	5	
AH00CK85	Advanced Paramedic Nursing I				5	5	
AH00CK87	Advanced Paramedic Nursing II				5	5	
AH00CK81	Advanced Paramedic Nursing III				5	5	
AH00CK88	Clinical Training in Advance Level Paramedic				15	15	
HLPRPARA22S-1016 Thesis							15
AO00CE88	Thesis Planning			5		5	

AO00CE89	Thesis Research and Writing				5		5
AO00CE90	Thesis Publication				5		5
HLPRPARA22S-1017 Drug Calculations							0
AH00CP60	Academic year medication calculations 2						0
AH00CP61	Academic year medication calculations 3						0
HLPRPARA22S-1018 Assessment of Nurse's Core Competences (180 ECTS)							0
AH00CQ77	Assessment of Nurse's Core Competences (180 ECTS)						0

HLPRPARA22S-1001 Core Competences: 15 ECTS

AY00CE71 Developing Professional Competences 1: 3 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

AY00CE72 Developing Professional Competences 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

AY00CE73 Developing Professional Competences 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

KE00CE74 Intercultural Awareness: 3 ECTS**Learning outcomes**

Students are able to

- understand cultural similarities and differences
- work effectively with international partners
- analyze business and work life cultures including Finland using different cultural frameworks
- understand culture adaptation and adjustment.

KE00CE75 English for Professional Communication: 5 ECTS**Learning outcomes**

Proficiency level: B2

The student is able to

- identify the characteristics of academic texts and to apply academic conventions to their writing
- demonstrate critical thinking and find, evaluate and use information effectively
- communicate clearly and effectively in different generic and field-specific workplace situations both orally and in writing
- function collaboratively in contemporary working environments in English.

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.

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.

HLPRPARA22S-1002 Professional Core Competences: 150 ECTS

AH00CL43 Professional Base in Social and Health Care: 3 ECTS

Learning outcomes

The student is able to

- explain the organization of the social and health service system and describe the client's position in the social and health service system
- describe the values and ethical principles in their field as well as the key regulations governing operations
- describe the principles of evidence-based information and action
- identify factors of well-being and functioning at an individual and community level

AH00CK77 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

K200CE69 Finnish 1: 3 ECTS

Learning outcomes

The student is able to

- identify and use the course vocabulary and phrases for common everyday situations
- tell about oneself and understand basic questions
- read and write simple sentences related to the course topics.

Proficiency level: A1

K200CE70 Finnish 2: 3 ECTS

Learning outcomes

The student is able to

- communicate in most common everyday situations
- understand slowly and clearly spoken Finnish when the topic and the vocabulary are familiar
- understand and write a simple message or text
- use the basic vocabulary and some grammatical structures of Finnish.

Proficiency level: A1

K200CH62 Finnish 3: 3 ECTS

Learning outcomes

The student is able to

- tell about their own housing and neighbourhood.
- understand and write simple messages and announcements related to housing.
- understand and speak words and expressions related to weather.
- ask questions in simple shopping and other situations (e.g., clothing and furniture stores and bus and railway stations).
- read short advertisements, announcements and other texts related to travelling (e.g., timetables).

Proficiency level: A1

K200CH63 Finnish 4: 3 ECTS

Learning outcomes

The student is able to

- ask about the health and describe their own health.
- describe places, things and people.
- understand and write short messages about everyday life (e.g., invitations, requests, messages of absence).
- understand short messages and advertisements related to celebrations and events.
- tell about matters and events using the most common verbs in the past tense.

Proficiency level: A1

HLPRPARA22S-1003 Basics of Professional Nursing: 20 ECTS

AH00CK57 Principles of Nursing: 5 ECTS

Learning outcomes

The student is able to

- describe the scientific basis, values, ethical principles and guidelines of nursing

- identify different client groups in nursing
- describe the starting points and principles of customer guidance
- list data protection and security requirements and social legislation for social and health care
- explain the main principles of social and health documentation and plan the nursing process

AH00CK55 Clinical Nursing Interventions: 5 ECTS

Learning outcomes

The student is able to

- implement basic clinical nursing skills and interpret basic organ functions in a customer-oriented manner
- work ergonomically and follow occupational safety instructions in nursing
- describe the basics of microbiology and the principles of infection control
- explain the principles of patient safety
- calculate the dosages of drugs used in pharmacotherapy and understand their responsibility for the correctness of the calculations

AH00CK56 Basics of Anatomy and Physiology: 5 ECTS

Learning outcomes

The student is able to

- identify and explain the structure, function and regulation of the organ systems of the human body
- examine a patient using basic nursing skills
- give first aid

AH00CK58 Clinical Training in Basics of Nursing: 5 ECTS

Learning outcomes

The student is able to

- act in accordance with the ethical and sustainable principles of nursing
- implement professional interaction in customer-oriented nursing
- implement basic nursing skills in promoting the client's health
- assess the client's state of health and plan client-oriented nursing work

HLPRPARA22S-1004 Safe Medical-Surgical Nursing: 25 ECTS

AH00CK60 Medical-Surgical Nursing: 10 ECTS

AH00CK59 Pharmacotherapy: 5 ECTS

Learning outcomes

The student is able to

- identify the legal and ethical responsibilities of the nurse in pharmacotherapy
- carry out pharmacological treatment safely and evaluate the effect of pharmacological treatment
- list the pharmacological mechanisms of action, disadvantages and contraindications of medicines used to treat the most common diseases
- justify the choice of the medicinal product in terms of drug properties, drug interactions and

compliance

- guide the client in the implementation of medication

HLPRPARA22S-1005 Self-Care Supporting Medical-Surgical Nursing: 10 ECTS

AH00CM83 Clinical Training in Medical-Surgical Nursing 1: 10 ECTS

Learning outcomes

The student is able to

- plan, implement and evaluate the nursing care of an internal medicine-surgical client
- carry out the client's medication and fluid treatment safely
- implement nutritional treatment and guidance
- apply nursing methods and a rehabilitative approach safely at all stages of the nursing process
- promote a positive customer experience
- record the client's nursing process

HLPRPARA22S-1006 Client-Centered Safe Acute Care: 10 ECTS

AH00CK62 Clinical Training in Self-Care Supporting Nursing: 5 ECTS

Learning outcomes

The student is able to:

- carry out nursing work supporting the client's self-care in outpatient and home care operating environments
- make independent decisions and justify them in a customer-oriented and evidence-based manner
- implement multi-professional teamwork in culturally diverse client work
- identify and assess risk factors that impair health, ability to function and work, and survival at work

AH00CM89 Competence in Acute Care Nursing and Emergency Health Care: 5 ECTS

Learning outcomes

The student is able to

- evaluate the reasons, symptoms and treatment procedures that lead to changes in the state of a client in need of acute care
- evaluate the need of acute care and carry out treatment in different working environments
- assess patient weakening condition and be able to start needed nursing care interventions based on previous learned
- describe national and international preparedness operating models of the authority cooperation and communication in exceptional and dangerous situations

HLPRPARA22S-1007 Basics of Paramedic Nursing: 30 ECTS

AH00CK63 Emergency Care Services: 5 ECTS

Learning outcomes

The student is able to

- identify the legislation governing emergency care and describe the operation of the emergency care system
- designate and cooperate with liaison bodies
- act safely as a member of the emergency department
- operate in a patient-safe and customer-oriented manner
- use first aid equipment and technology

AH00CK64 Examination of a Patient: 5 ECTS

Learning outcomes

The student is able to

- perform targeted examinations according to the patient's various symptoms
- interpret the findings made and the measurement results obtained from the patient
- understand the basics of patient interviewing
- understand the basics of reporting / documentation
- combine theoretical knowledge (anatomy, physiology, pathophysiology) with the patient's symptoms and findings and deduce the occupational diagnosis

AH00CK65 Basic Level Paramedic Nursing I: 5 ECTS

Learning outcomes

The student is able to

- apply test methods according to different symptom profiles
- identify the emergency patient and start immediate first aid
- carry out basic emergency care based on different occupational diagnoses
- understand the roles of co-operation authorities and the basics of radio traffic in the most common first aid situations
- adhere to occupational safety and patient safety principles in their operations

AH00CK66 Basic Level Paramedic II and Evaluation of Professional Paramedic Skills 1: 5 ECTS

Learning outcomes

The student is able to

- make a systematic assessment of the condition of a disabled patient
- distinguish between high- and low-risk injury mechanisms and understand their effects on the patient's condition and treatment planning
- select appropriate support, transfer and care equipment and methods and use them safely
- understand the roles of co-operation authorities and the basics of radio traffic in the most common first aid situations
- demonstrate mastery of the basic knowledge and skills required for basic care in emergency care and the ability to work safely outside the hospital

AH00CK67 Clinical Training in Basic Level Paramedic: 10 ECTS

HLPRPARA22S-1008 Customer-Oriented Mental Health and Substance Abuse

Nursing: 10 ECTS

AH00CK68 Mental Health and Substance Abuse Nursing: 5 ECTS

Learning outcomes

The student is able to

- create a therapeutic interaction in mental health and substance abuse treatment
- reflect one's own values and attitudes to the ethical principles of mental health and substance abuse treatment
- apply non-pharmacological and pharmacological methods of nursing
- identify mental health and substance abuse problems and understand the need for and stages of physical, mental and social care in different nursing settings
- describe the symptoms of the most common psychiatric illnesses and disorders, the symptoms, the main features of the treatment, the methods of treatment and the significance for the client and society

AH00CK69 Clinical Training in Mental Health and Substance Abuse Nursing: 5 ECTS

Learning outcomes

The student is able to

- meet mental health and substance abuse clients and their loved ones and look at interaction situations with theoretical and experiential knowledge
- assess the client's mental well-being and the need for rehabilitation
- implement pharmacological and non-pharmacological methods of nursing
- plan, implement and evaluate the care process of one's own care client
- implement mentoring and service counseling for mental health and substance abuse clients
- analyze the activities of the multidisciplinary working group and its own contribution to the working group
- evaluate one's own thinking, multidisciplinary decision-making criteria and work ethic

HLPRPARA22S-1009 Health Promotion in Nursing: 5 ECTS

AH00CK75 Promote Wellbeing and Health of Community: 5 ECTS

Learning outcomes

The student is able to

- identify and assess the determinants of community health and well-being at an individual and community level
- assess the determinants of health inequalities from a sustainable development perspective
- evaluate and develop interventions to strengthen the client's resources in a multi-professional manner
- guide and support the client in vaccination decisions and in the prevention of infectious diseases in the tourist
- explain the diversity and importance of sexual health for well-being, identify risk factors and promote sexual health at different stages of life

HLPRPARA22S-1010 Multidisciplinary Care for Children, Young People and Families: 10 ECTS

AH00CK71 Child, Adolescent and Family Nursing: 5 ECTS

Learning outcomes

The student is able to

- apply nursing methods in the planning, implementation and evaluation of care for children of different ages
- carry out safe treatment of children and adolescents with medicines, fluids and pain
- describe the most common pediatric diseases and their medical treatment
- identify key care pathways for children, young people and families
- identify service needs and refer customers to services
- identify the challenges of the well-being of diverse families and promote the well-being of families
- explain the progression and monitoring of pregnancy and childbirth

AH00CK72 Clinical Training in Child, Adolescent and Family Nursing: 5 ECTS

Learning outcomes

The student is able to

- plan, implement and evaluate the comprehensive nursing work of the child and the young person and his / her family in a multi-professional team
- professionally meet different families and children of different ages
- assess the resources of the child, the young person and his or her parents
- evaluate and develop working and working methods that promote the well-being of families
- assists in normal childbirth

HLPRPARA22S-1011 Ethic Gerontological Nursing: 5 ECTS

AH00CK76 Gerontological Nursing: 5 ECTS

Learning outcomes

The student is able to

- assess the factors impairing the elderly's ability to function and prevent their impact on the client's well-being
- apply comprehensive geriatric assessment (CGA) in assessing the client's need for care and in the implementation of care
- describe the specific features of memory disorders in the planning, implementation and evaluation of treatment
- use technology to support a good quality of life and care for the elderly
- apply their knowledge of geriatric diseases in the planning, implementation and evaluation of nursing work

HLPRPARA22S-1012 Nursing in Emergency Room: 15 ECTS

AH00CK73 Emergency Nursing Care: 5 ECTS

Learning outcomes

Students

- deepen their theoretical knowledge of anatomy, physiology, pathophysiology, cardiology, neurology, traumatology, anaesthesiology, pediatrics and pharmacology
- explain / justify the decisions made in the care of an emergency patient based on the theoretical knowledge of the main medical specialties
- is familiar with the mechanisms of action and side effects of key medicines used in emergency care and hospital acute care.
- to safely administer medication in emergency situations and patient guidance, and to understand the mechanisms of occurrence of the most common intoxications and pharmacological treatment.

AH00CK74 Clinical Training in Emergency Care: 10 ECTS**HLPRPARA22S-1013 Complementary Competences: 60 ECTS****HLPRPARA22S-1014 Advanced Special Studies in Paramedic: 25 ECTS****AH00CK78 Medical and Pharmacology in Emergency: 5 ECTS****Learning outcomes**

The student is able to

- deepen their theoretical knowledge of anatomy, physiology, pathophysiology, cardiology, neurology, traumatology, anesthesiology, pediatrics, and pharmacology
- explain / justify the decisions made in the care of an emergency patient based on the theoretical knowledge of the most important medical specialties
- is familiar with the mechanisms of action and side effects of key drugs used at the primary care level and in hospital acute care.
- to safely administer medication in emergency situations and in patient guidance, and to understand the mechanisms of the occurrence of the most common intoxications and pharmacological treatment.

AH00CK79 Anaesthesia and Intensive Care Nursing: 5 ECTS**Learning outcomes**

The student is able to

- evaluate the reasons, symptoms and treatment procedures that lead to changes in the state of a client in need of acute care
- evaluate the need of acute care and carry out treatment in different working environments
- assess patient weakening condition and be able to start needed nursing care interventions based on previous learned
- describe national and international preparedness operating models of the authority cooperation and communication in exceptional and dangerous situations

AH00CK80 Clinical Training in Anaesthesia and Intensive Care Nursing: 10 ECTS**Learning outcomes**

The student is able to

- work as part of a multi-professional team, identify a sudden deterioration in the patient's condition and carry out intensive care patient monitoring and treatment.

AH00CL47 Evaluation of Professional Paramedic Skills II and Projects: 5 ECTS

Learning outcomes

The student is able to

- make a systematic assessment of the condition of a disabled patient
- distinguish between high- and low-risk injury mechanisms and understand their effects on the patient's condition and treatment planning
- select appropriate support, transfer and care equipment and methods and use them safely
- understand the roles of co-operation authorities and the basics of radio traffic in the most common first aid situations
- demonstrate mastery of the basic knowledge and skills required for basic care in emergency care and the ability to work safely outside the hospital

HLPRPARA22S-1015 Advanced Paramedic Nursing: 35 ECTS

AH00CK82 Measures and Guidance in Paramedic: 5 ECTS

Learning outcomes

The student is able to

- implement and direct the performance of the most important measures in first aid

AH00CK85 Advanced Paramedic Nursing I: 5 ECTS

Learning outcomes

Student is able to:

- assess the patient's condition and need of treatments and treat him/her using advanced level paramedic methods, based on given instructions.
- examine vital body functions and support those with medications and with intensive care measures and instruments.
- analyze factors threatening occupational safety.
- apply non-technical teamwork skills.

AH00CK87 Advanced Paramedic Nursing II: 5 ECTS

Learning outcomes

The student is able to

- examine patients and special groups of children and to choose the appropriate treatment for the situation
- explain the importance of out-of-home services, both for the patient and for healthcare
- assess the need for services and refer the client / patient to the necessary services.

- assist in emergency childbirth

AH00CK81 Advanced Paramedic Nursing III: 5 ECTS

Learning outcomes

The student is able to

- evaluate and justify their own actions in first aid situations
- make decisions in demanding first aid situations
- manage the operations of the emergency department and be able to act as a situation manager in the tasks of several emergency departments.
- evaluate one's own actions in ethically challenging situations
- make conclusions about family and family crises and refer them to various support services

AH00CK88 Clinical Training in Advance Level Paramedic: 15 ECTS

Learning outcomes

Student is able to

- treat an acutely ill and injured patient
- apply family health promotion methods in outpatient and specialist care.

HLPRPARA22S-1016 Thesis: 15 ECTS

AO00CE88 Thesis Planning: 5 ECTS

Learning outcomes

The 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.

AO00CE89 Thesis Research and Writing: 5 ECTS

Learning outcomes

The student is able to:

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

AO00CE90 Thesis Publication: 5 ECTS

Learning outcomes

The student is able to:

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

HLPRPARA22S-1017 : 0 ECTS

AH00CP60 Academic year medication calculations 2: 0 ECTS

AH00CP61 Academic year medication calculations 3: 0 ECTS

HLPRPARA22S-1018 Assessment of Nurse's Core Competences (180 ECTS): 0 ECTS

AH00CQ77 Assessment of Nurse's Core Competences (180 ECTS): 0 ECTS