

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

**Bachelor of Health Care, Paramedic, post-graduate
conversion programme 22S, Lappeenranta**

| Code | Name | 1 y | 2 y | ECTS total |
|--|--|-----|-----|---------------|
| HLPREH22SMUM-1001 Complementary Competence | | | | 60 |
| HLPREH22SMUM-1002 Basic Level Paramedic Nursing | | | | 42 |
| AH00CG02 | Emergency Care Services | 3 | | 3 |
| AH00CG03 | Examination of a Patient | 3 | | 3 |
| AH00CG05 | Clinical Training in Basic Level Paramedic | 6 | | 6 |
| AH00CG06 | Basic Level Paramedic Nursing I | 3 | | 3 |
| AH00CG07 | Basic Level Paramedic II and Evaluation of Professional Paramedic Skills 1 | 5 | | 5 |
| HLPREH22SMUM-1003 Advance Paramedic Nursing | | | | 22 |
| AH00CG09 | Advance Paramedic Nursing I | 3 | | 3 |
| AH00CA81 | Advance Paramedic Nursing II | 5 | | 5 |
| AH00CG08 | Measures and Guidance in Paramedic | 2 | | 2 |
| AH00CG10 | Clinical Training in Advance Level Paramedic | | 12 | 12 |
| HLPREH22SMUM-1004 Advanced Special Studies in Paramedic | | | | 18 |
| AH00CA83 | Medical and Pharmacology in Emergency | 5 | | 5 |
| AH00CA86 | Advance Level Paramedic Nursing III | 5 | | 5 |
| AH00CG11 | Evaluation of Professional Paramedic Skills II | | | 0 |
| AH00CG12 | Developing Task | | | 0 |

HLPREH22SMUM-1001 Complementary Competence: 60 ECTS

HLPREH22SMUM-1002 Basic Level Paramedic Nursing: 42 ECTS

AH00CG02 Emergency Care Services: 3 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

AH00CG03 Examination of a Patient: 3 ECTS

Learning outcomes

Student can:

- identify an emergency patient and assess the patient's need for care in a variety of illness and injury situations

AH00CG05 Clinical Training in Basic Level Paramedic: 6 ECTS

Learning outcomes

The student is able to

- apply the acquired knowledge and skills in basic level emergency care when examining a patient, evaluating their state and making an occupational diagnosis in an emergency care outside the hospital
- use the examination, care and patient's transfer equipment safely in emergency care
- function as a member of the care group in acute situations, familiarize themselves with the cooperation with the authorities in emergency care, and learn how to communicate with the VIRVE data terminal
- understand the whole system of the emergency care service in their training municipality and the meaning of the care provided by different units in the treatment of the patient
- work according to the main principles of emergency care in a patient-safe manner
- handle the first aid unit in a practice area or in traffic without a patient (if this is allowed in the placement organization)
- work independently in basic level emergency care in their own role and show initiative in daily station work, as well as adapt to the work community as a student member

AH00CG06 Basic Level Paramedic Nursing I: 3 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

AH00CG07 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

HLPREH22SMUM-1003 Advance Paramedic Nursing: 22 ECTS

AH00CG09 Advance Paramedic Nursing I: 3 ECTS

Learning outcomes

- assess the patient's condition and need for care and treat him or her with the methods of advance paramedic level, based on the care instructions
- to examine and support patients basic organ functions with medication and intensive care measures and aids.
- analyze factors threatening occupational safety
- Apply non-technical teamwork skills.

AH00CA81 Advance Paramedic Nursing II: 5 ECTS

Learning outcomes

Student can:

- examine children and special groups and choose the appropriate treatment
- explain the importance of home services, both from from a patient and healthcare perspective
- make an assessment of the need for services and refer the client / patient to the necessary services

AH00CG08 Measures and Guidance in Paramedic: 2 ECTS

Learning outcomes

- perform and justify the most important measures at advance paramedic level
- draw up a training plan and prepare teaching material on one of the topics to be covered
- implement the guidance / teaching situation for his / her target group in accordance with the training plan he / she has prepared

AH00CG10 Clinical Training in Advance Level Paramedic: 12 ECTS

Learning outcomes

Student is able to:

- independently treat a patients needs of emergency care, making an initial assessment, a detailed assessment of the condition by examine and interviewing, and carry out an assessment of the effects of the necessary first aid and assessment the effects of treatment
- use emergency care research and treatment equipment safely and reliably interpret the information produced by them in order to access a work diagnosis
- use the essential medicines at advance care paramedic and to carry out independently the safe medication and fluid management required by the patient's condition
- familiar with the structure and operation of the emergency care service of his / her training unit and is familiar with the operating methods of key authorities, the obligations related to his / her position in

- relation to other authorities and is able to communicate with them in everyday situations
- act as a member of a multidisciplinary working group and become acquainted with the management of emergency care and know how to manage primary and / or basic level units on a task-by-task basis
 - drive ambulance safely in the training area and in traffic. May act as a driver of the emergency unit when the situation allows

Delivery room:

- identify the stages of childbirth; opening phase, effort phase, post-monitoring phase and monitoring phase
- to act in the effort phase, assisting in childbirth
- act in the post-operative phase, taking into account the condition and leakage of the mother and the monitoring of the newborn

HLPREH22SMUM-1004 Advanced Special Studies in Paramedic: 18 ECTS

AH00CA83 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.

AH00CA86 Advance Level Paramedic Nursing III: 5 ECTS

Learning outcomes

Student is able to:

- evaluate and justify their own actions in paramedic situations
- make decisions in demanding paramedic 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
- draw conclusions about family and family crises and refer them to various support services.

AH00CG11 Evaluation of Professional Paramedic Skills II: 3 ECTS

Learning outcomes

Student can:

- justify the essential knowledge and skills related to the advance level paramedic and work safely outside the hospital
- understand the emergency care management system in exceptional circumstances

AH00CG12 Developing Task: 5 ECTS

Learning outcomes

Student can:

- produce new knowledge and innovations that can be utilized for effective and efficient activities in social and health care.