

Bachelor of Science in Public Health (4 Years, 240 ECTS)

A public health program focused on prevention, population health, and health equity, integrating epidemiology, biostatistics, health systems, and community practice.

Program Overview

- **Award:** B.Sc. in Public Health
- **Duration:** 8 Semesters (4 academic years)
- **Total Credits:** 240 ECTS
- **Delivery:** Lectures (L), Seminars (SE), Tutorials (T), Labs (P), Practicum/Studio (S), Fieldwork (F), Internship (I)
- **Workload:** 1 ECTS ≈ 25–30 hours
- **Program Pillars:** Epidemiology • Biostatistics • Environmental Health • Health Policy & Systems • Global Health • Health Promotion & Behavior • Health Equity & Ethics • Program Design & Evaluation • Emergency Preparedness
- **Signature Experiences:** community practica, outbreak simulation workshops, and a field internship.

Graduate Learning Outcomes

Graduates will be able to:

- 1 **Population Health.** Explain determinants of health and disease across populations and life stages.
- 2 **Epidemiology.** Design studies, calculate measures of association, and interpret causal evidence.
- 3 **Biostatistics.** Analyze health data and communicate uncertainty and limitations appropriately.
- 4 **Environmental Health.** Assess environmental exposures and propose mitigation and risk communication plans.
- 5 **Health Systems.** Understand how health services are organized, financed, and improved for quality and equity.
- 6 **Program Planning.** Design, implement, and evaluate public health programs with measurable outcomes.
- 7 **Ethics & Equity.** Apply ethical principles and equity frameworks to public health practice.

- 8 **Communication.** Communicate with communities and decision-makers using clear, culturally sensitive messaging.

Curriculum Structure

Structured across 8 semesters (30 ECTS each). Most courses are 6 ECTS unless otherwise noted.

Year 1

Semester 1 (30 ECTS)	<ul style="list-style-type: none">• Introduction to Public Health - 6 ECTS• Human Biology for Public Health - 6 ECTS• Health, Society & Inequality - 6 ECTS• Academic Writing & Communication - 6 ECTS• Quantitative Skills (Intro) - 6 ECTS
Semester 2 (30 ECTS)	<ul style="list-style-type: none">• Epidemiology I - 6 ECTS• Biostatistics I - 6 ECTS• Environmental Health I - 6 ECTS• Health Behavior & Promotion - 6 ECTS• Public Health Ethics & Safety - 6 ECTS

Year 2

Semester 3 (30 ECTS)	<ul style="list-style-type: none">• Epidemiology II (Study Designs) - 6 ECTS• Biostatistics II (Regression) - 6 ECTS• Global Health - 6 ECTS• Health Systems & Policy I - 6 ECTS• Technical Elective I - 6 ECTS
Semester 4 (30 ECTS)	<ul style="list-style-type: none">• Infectious Disease Epidemiology - 6 ECTS• Environmental Health II (Exposure Assessment) - 6 ECTS• Health Communication - 6 ECTS• Program Planning & Logic Models - 6 ECTS• Technical Elective II - 6 ECTS

Year 3

Semester 5 (30 ECTS)	<ul style="list-style-type: none">• Chronic Disease Epidemiology - 6 ECTS• Program Evaluation - 6 ECTS• Health Policy & Systems II - 6 ECTS• Community Health Practicum I - 6 ECTS• Technical Elective III - 6 ECTS
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- Semester 6 (30 ECTS)**
- Outbreak Investigation & Surveillance - 6 ECTS
 - Public Health Data Systems - 6 ECTS
 - Emergency Preparedness - 6 ECTS
 - Technical Elective IV - 6 ECTS
 - Field Internship - 6 ECTS
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Year 4

Semester 7 (30 ECTS)	<ul style="list-style-type: none">• Advanced Epidemiology (Causal Inference) - 6 ECTS• Health Economics (Intro) - 6 ECTS• Environmental Justice & Policy - 6 ECTS• Technical Elective V - 6 ECTS• Capstone I (Proposal & Stakeholder Plan) - 6 ECTS
Semester 8 (30 ECTS)	<ul style="list-style-type: none">• Capstone II (Applied Project & Report) - 12 ECTS• Monitoring & Evaluation Dashboarding - 6 ECTS• Leadership in Public Health - 6 ECTS• Advanced Seminar & Presentation - 6 ECTS

Technical Elective Tracks

Choose at least 5 electives; focus on one track for specialization.

Track A — Epidemiology & Biostatistics

- Advanced Regression
- Survival Analysis (Intro)
- Study Protocol Writing
- Causal Graphs

Track B — Global Health

- Humanitarian Health
- Maternal & Child Health
- Health in Conflict Settings
- One Health (Intro)

Track C — Environmental & Occupational Health

- Occupational Exposures
- Air Quality & Health

- Water & Sanitation
- Risk Assessment

Track D — Policy & Management

- Health Financing
- Quality Improvement
- Public Health Law
- Systems Thinking

Learning Resources & Practice Sites

Public Health Data Lab

Secure analysis environment for health datasets and dashboard development.

Community Partnership Network

Long-term relationships with health departments and NGOs for practica and capstones.

Simulation & Response Workshops

Scenario-based outbreak and emergency response training.

Health Communication Studio

Tools and coaching for public messaging, campaigns, and stakeholder engagement.

Capstone Project Examples

- **Vaccination Uptake Improvement Plan**
Analyze barriers and design a targeted intervention with evaluation metrics.
- **Air Quality and School Health Study**
Assess exposure data and propose school-level mitigation strategies.
- **Outbreak Response Playbook**
Create a surveillance and communication plan for a modeled outbreak scenario.
- **Maternal Health Equity Project**
Co-design a community-informed program and produce a monitoring dashboard.