MSc Public Health and Informatics

- ✔ **Master of Science**
- ✔ **Postgraduate Diploma**
- ✔ **Postgraduate Certificate**

- Offered by: International School for Development Justice (ISDJ)
- Campus: Global Campus
- Delivery Mode: 100% Online | Asynchronous Learning
- Duration: 14 Months (Full-time) or 24 Months (Part-time)

Programme Overview

The MSc in Public Health and Informatics prepares professionals to lead in the evolving digital health landscape. Designed in response to global challenges such as the COVID-19 pandemic and the surrounding 'infodemic,' the programme integrates core public health principles with informatics and data science to foster better decision-making, policy development, and health system strengthening.

Students will master the strategic use of information technology including hardware, software, and programming for collecting, processing, storing, and applying health data to inform policy, service design, and delivery. The curriculum emphasizes data-driven approaches, digital tools, ethical frameworks, and analytics-based project implementation to tackle misinformation and contribute to sustainable development. Graduates will be equipped with the critical thinking and strategic decision-making skills necessary to lead the digitization of the health sector and support achievement of the UN 2030 agenda.

Programme Structure & Awards

This is a laddered programme offering three qualifications, each building toward the full MSc:

Pre-Programme:

- ISDJ workshop for matriculated students; or qualifying course for persons deemed to not have adequate academic background.

Postgraduate Certificate (PgCert)

- Four courses. **Total:12 credits.**

Postgraduate Diploma (PgDip)

- Five core courses [15 credits] and two elective courses [6 credits] inclusive of the courses for the PgCert. **Total: 21 credits.**

MSc

- Six core courses [18 credits], four elective courses [12 credits] inclusive of the courses for the PgDip, and one project course [6 credits]. **Total: 36 credits.**

Goals:

This academic programme is intended to:

Build human resource capacity, globally, and regionally, in areas that require highly trained personnel to advance the digital transformation of public health and support achievement of the UN 2030 agenda.

Facilitate the acquisition of advanced knowledge and, skills, and to develop attitudes required to address the increasing demand for information technology (IT) expertise within the global health system workforce in both the private and public sectors

Contribute to the development of graduates who are conversant with and responsive in their management of the dynamic demands of modern health systems, which increasingly rely upon robust collection, processing, storage and application of health data to inform health policy, service design and delivery, and to guide decision-making.

Objectives:

The objectives of these programmes are to:

Equip officials from the ministries of health, other entities in the public health sector, and non-health professionals with an interest in public health and IT, with the necessary skills required to strengthen health policies and decision-making at the regional and global level through the strategic application of knowledge derived from critical analysis of the relevant theories

Expose participants to the strategic requirements of leading modern health system organisations at the local, regional, and international levels

Equip participants with the strategic decision-making capabilities necessary for leadership in the dynamic 21st century healthcare system

Guide participants in the integration of principles of critical analysis, equity, ethics, and legal accountability in the advance toward achieving the UN 2030 agenda.

Target Audience

This programme is designed for professionals and change-makers including:

Health sector officials: Ministry of health officials, public health practitioners, and health system administrators

Healthcare professionals: Clinicians, nurses, pharmacists, and allied health professionals interested in health informatics

IT and data professionals: Information systems specialists, data analysts, and software developers working in healthcare

Health policy makers: Policy advisors, programme managers, and strategic planners in health organizations

Public health researchers: Epidemiologists, biostatisticians, and health services researchers

NGO and international development professionals: Staff of health-focused NGOs and development organizations

Health informatics specialists: Health information managers and digital health coordinators

Career advancers: Non-health professionals with an interest in public health and IT seeking to enter or advance in the health sector

Entry Requirements

It is proposed that the admission criteria to the MSc would be as follows:
Degreed Applicants: At least a bachelor's degree or equivalent in any medical, nursing or health sciences, biological sciences, management sciences, health planning, or information technology from a university or college acceptable to The University of the West Indies, with at least a GPA of 2.5.

OR

Pass-Degreed Applicants: Students with pass degrees will be considered if they have at least two (2) years of post-degree work experience, particularly in a related field such as an allied health or business profession

Technical and/or professional qualification(s) awarded by an approved body recognised by The University of the West Indies and having a minimum of two (2) years' experience in a related field such as an allied health or business profession.

Non-Degreed or Certified Applicants:

The ISDJ aims to provide a pathway to a limited number of individuals without a traditional academic background but who have relevant work experience, and at least five (5) years of management-level experience in a related field such as an allied health or business profession. Applicants entering through this route may be subject to an interview and will be required to successfully complete a qualifying course to be considered for entry to the Postgraduate Certificate (PgCert). On successful completion of the requirements for the PgCert the student can proceed to the Postgraduate Diploma (PgDip). On successful completion of the requirements for the PgDip the student can proceed to the MSc.

- Proficiency in English (IELTS 6.5 overall with no band below 6.0, or equivalent)

Additional Requirements

- Two professional or academic references
- Current CV/resume demonstrating relevant experience
- Access to a computer with reliable internet connectivity for online learning
- Basic computer literacy and familiarity with common software applications

Programme Delivery

- Each programme in Public Health and Informatics is delivered as a fully asynchronous online programme via a Learning Management System (LMS). All course materials, activities, and assessments are available through the LMS, providing maximum flexibility for working professionals.

Key Features:

- **Asynchronous learning:** Study at your own pace within structured timeframes
- **No scheduled class times:** Access materials and complete work according to your schedule
- **Interactive online platform:** Engage with faculty, peers, and multimedia learning resources
- **Global learning community:** Connect with international cohort of health and informatics professionals
- **Practical application:** Real-world case studies, datasets, and projects focused on health system challenges

Career Pathways

Graduates of the programmes in Public Health and Informatics will be prepared for leadership roles in:

- **Health Informatics Leadership:** Chief health information officers, health informatics directors, and digital health strategists
- **Public Health Practice:** Public health analysts, epidemiologists, and health surveillance specialists using data-driven approaches
- **Health Policy and Planning:** Policy analysts, strategic planners, and health system advisors in ministries of health and international organizations
- **Healthcare IT Management:** Health IT managers, clinical informatics specialists, and electronic health record (EHR) coordinators
- **Data Analytics and Research:** Health data scientists, biostatisticians, and health services researchers
- **Digital Health Innovation:** Digital health project managers, mHealth specialists, and health technology implementation leads
- **International Health Organizations:** Technical officers and programme specialists with WHO, PAHO, and other multilateral health agencies
- **Consultancy:** Health informatics consultants, digital transformation advisors, and health system strengthening specialists

Why Choose This Programme?

- **Timely and Relevant:** Designed in response to COVID-19 pandemic lessons and the digital health transformation imperative
- **Dual Expertise:** Unique integration of public health principles with information technology and data science
- **SDG-Aligned:** Primarily supports SDG 3 (Good Health and Wellbeing) while contributing to SDGs 4, 6, 11, and 12
- **Combat Misinformation:** Learn to tackle health misinformation and the 'infodemic' through data-driven approaches
- **Strategic Leadership:** Develop critical thinking and strategic decision-making capabilities for 21st century healthcare
- **Ethical Framework:** Emphasis on equity, ethics, and legal accountability in health information use
- **Flexible Learning:** 100% online asynchronous delivery allows you to study while maintaining professional commitments

Key Themes & Learning Outcomes

- Core principles of Public Health
- Digital health transformation and informatics tools
- Strategic decision-making in public health environments
- Health data systems, analytics, and digital policy
- Research and innovation for evidence-based healthcare
- Tackling misinformation and digital ethics
- Linking health efforts to Sustainable Development Goals (SDGs), including:
  - SDG 3: Good Health & Wellbeing
  - SDG 4: Quality Education
  - SDG 6: Clean Water & Sanitation
  - SDG 11: Sustainable Cities
  - SDG 12: Responsible Consumption & Production

Mode of Delivery

- The programmes will be delivered asynchronously online
- Flexible access for working professionals worldwide
- Minimizes disruption to work and family life

Who Should Apply?

This programme is ideal for:

- Health professionals, policy makers, and government workers
- IT professionals entering the health field
- NGO staff and development practitioners
- Recent graduates with a background in health, social sciences, or information technology
- Anyone seeking to lead digital transformation in the health sector

Programme Structure

Stackable Credentials

The programme offers flexible pathways to accommodate different career stages and learning goals:

Applicants can apply for direct entry to:

- Postgraduate Certificate and ladder up to the Postgraduate Diploma and then to the MSc

  OR

- Postgraduate Diploma and then to the MSc

  OR

- MSc

Master of Science (36 credits)
(includes 12 credits from PgCert or 21 credits from PgDip

Postgraduate Diploma (21 credits)
(includes 12 credits from Postgraduate Certificate

Postgraduate Certificate (12 credits)

Programme Components

Master of Science (36 credits)

- Six 3-credit core courses (18 credits)
- Four 3-credit elective courses (12 credits)
- One 6-credit final project course (6 credits)

Postgraduate Diploma (21 credits)

- Five 3-credit core courses (15 credits)
- Two 3-credit elective courses (6 credits)

Postgraduate Certificate (12 credits)

- Four 3-credit core courses

Programme Benefits

- Stackable credentials: exit with a certificate, diploma, or full MSc
- Develop real-world skills in health informatics and public policy
- Gain tools to lead in digital health leadership roles
- Join a global network of health and development professionals
- Align your career with the UN 2030 Sustainable Development Goals

Programme Fees (USD)

Graduate Programmes	Fees
Masters (Direct Entry)	$10,000.00
Pg Diploma (Direct Entry)	$7,500.00
Pg Certificate (Direct Entry)	$3,500.00
Pg Diploma (if applicant holds *certificate)	$4,500.00
Masters (if applicant holds the *certificate)	$9,000.00
Masters (if applicant holds the *diploma)	$4,500.00

*Must correspond to higher level programme for which you are applying.

Public Health and Informatics Programmes

Graduate Certificate	Graduate Diploma	Master
12 Credits	21 Credits	36 Credits
Monitoring and Evaluation	Monitoring and Evaluation	Monitoring and Evaluation
Introduction to Computing for Health Enterprise Management	Introduction to Computing for Health Enterprise Management	Introduction to Computing for Health Enterprise Management
Environmental Health	Environmental Health	Environmental Health
Introduction to Epidemiology	Introduction to Epidemiology	Introduction to Epidemiology
	Biostatistics	Biostatistics
	2 Electives	Research Methods
		4 Electives
		Final Project in Sustainability

Contact Information

Programme Enquiries:

Email: admissions.isdj@uwi.edu

Technical Support:

Email: helpdesk.isdj@uwi.edu

Website: www.uwi.edu/isdj/

Social Media:

Follow us for programme updates, student stories, and industry insights

@ISDJUWI

Become a leader in advancing peace, justice, and strong institutions for sustainable development. Contribute to achieving SDG 16 in the global South. Apply today!

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ACCREDITATION BOARDS

The following accreditation agencies have granted the Campus, and by extension, the ISDJ, mutual recognition of the accreditation decision by the BAC:

Grenada National Accreditation Board

Higher Education Licensing Board, Anguilla

National Accreditation Board of St. Vincent and the Grenadines

National Accrediting Board, Dominica

St. Christopher and Nevis Accreditation Board

Technical and Vocational Education and Training and Accreditation Unit, St. Lucia

National Accreditation and Equivalency Council of The Bahamas

University Council of Jamaica