



EHSDI Training Course

**This article is part of
the Training Course
series.**

[Administration](#)

Level 1

[Foundations](#)

[Web Design](#)

[Basic Java Programming](#)

Level 2

[Advanced Java Programming](#)

[OpenMRS Implementation](#)

[Enterprise Java Programming](#)

[OpenMRS Development](#)

Other

[Medical Informatics](#)

The *E-Health: Software Development and Implementation* (EHSDI) course is being developed by Partners in Health (PIH) in Rwanda to train local computer science graduates how to implement and develop the OpenMRS software. The course is 11 months long, which should allow it to be repeated annually.

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Stages [\[edit\]](#)

The course is divided into two stages - a training stage and a production stage. The training stage is the longer of the two (9 months), and intends to produce students who are capable of both developing modules for [OpenMRS](#) and implementing it in a clinical setting. The production stage (which will last 2 months) is when the students develop production quality modules for OpenMRS according to the requirements of interested parties.

Levels [\[edit\]](#)

The training stage is divided into two levels (1 and 2). Level 1 consists of IT foundations, web design and basic Java programming. It lasts approximately 3 months, and is equivalent to the probation period of many employers. Very weak students, or those who do not comply with the requirements of the program are

asked to leave after probation period. Level 2 consists of advanced and enterprise level Java programming, as well as specific OpenMRS implementation and development. Level 2 will last 6 months.

Units [\[edit\]](#)

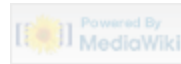
The units generally consist of several weeks of teaching, followed by a project and a written exam. The [Medical Informatics](#) unit however, is dispersed throughout the year, and generally consists of one or two lectures per week.

Unit	Name	No. of weeks
Level 1		
EH101	Foundations	1.5
EH102	Web Design	4
EH103	Basic Java Programming	5
Level 2		
EH201	Advanced Java Programming	7
EH202	OpenMRS Implementation	4
EH203	Enterprise Java Programming	6
EH204	OpenMRS Development	7
Other		
EH301	Medical Informatics	-

Accreditation [\[edit\]](#)

The technical certificate will issued by the Rwanda Information Technology Authority (technology branch of the government) and the Ministry of Health. We are working with the Kigali Institute of Science and Technology (KIST) and the National University of Rwanda (NUR) to discuss future accreditation in the form of Master's degrees.

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