

3538 Program Vocational Learning Outcome

Program Vocational Learning Outcomes describe what graduates of the program have demonstrated they can do with the knowledge and skills they have achieved during their studies. The outcomes are closely tied to the needs of the workplace. Through assessment (e.g., assignments and tests), students verify their ability to reliably perform these outcomes before graduating.

1. Analyze and define the specifications of a health information system based on user requirements.
2. Design, implement, test and document health information systems based on specifications and software engineering methodologies.
3. Develop architectures and provide examples of information systems to support patients, the public, and policy makers and managers of health care services.
4. Assess software quality and, where necessary, improve software performance through the application of appropriate testing, verification, and evaluation procedures.
5. Design, model, implement, and maintain a database and electronic health records.
6. Support the development and maintenance of health information systems through the application of networking concepts.
7. Analyze, design, and implement integrated solutions that ensure security and privacy issues are addressed.
8. Use tools for decision support and their application to patient management, acquisition, representation and engineering of medical knowledge.
9. Work effectively as a member of a health informatics team on the design, implementation and testing of a health information system where no one person has complete knowledge of the entire system.
10. Interpret, create, and present health and medical coding systems and other information effectively and accurately.
11. Contribute to the successful completion of the project applying the project management principles in use.