

0131 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. Describe key terms, concepts, algorithms, protocols, standards, and theories for computer and communication networks from technical, business, legal, ethical, and historical perspectives.
2. Design a computer network to meet business requirements using industry standards.
3. Manage a computer network within a business environment to ensure efficient and continuous operation.
4. Secure a computer network, using technology and security policies to protect an organization's assets against internal and external threats.
5. Analyze and evaluate computer network infrastructure solutions to support business objectives.
6. Assess the impact of information technology industry trends and emerging technologies on existing business and network infrastructure.
7. Communicate effectively (orally, visually, in writing) within technical and non-technical environments.
8. Develop strategies for personal and professional development as a life-long learner.
9. Research and propose technical solutions to solve social and economic problems within local communities and globally.
10. Apply critical thinking and problem solving skills to solve technical problems in a business context.
11. Appraise the social and cultural context of work and life environments.