3404 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. identify, analyze, develop, implement, verify and document the requirements for a computing environment.

2. contribute to the diagnostics, troubleshooting, documenting and monitoring of technical problems using appropriate methodologies and tools.

3. implement and maintain secure computing environments.

4. implement robust computing system solutions through validation testing that aligns with industry best practices.

5. communicate and collaborate with team members and stakeholders to ensure effective working relationships.

6. select and apply strategies for personal and professional development to enhance work performance.

7. apply project management principles and tools when working on projects within a computing environment.

8. adhere to ethical, legal, and regulatory requirements and/or principles in the development and management of computing solutions and systems.

9. assist with the implementation of computer systems and cloud solutions.

10. install, configure, troubleshoot, maintain, upgrade and decommission computing system infrastructures.

11. automate routine tasks using scripting tools and programming languages.

12. install and monitor a database management system in response to specified requirements.

13. provide technical support for computing system infrastructures that aligns with industry best practice.

14. develop strategies for entrepreneurial growth and development that enhance career opportunities and maintain currency with the IT industry.