



Annual Report on Program Learning Outcomes Assessment

Program: Masters of Science in Telecommunications degree

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1. List the learning outcomes for the program:

- Demonstrate advanced knowledge of in the analysis of requirements for, documentation of requirements for, architecture, design, and implementation of computer networks.
- Demonstrate proficiency in software and computing skills as they pertain to the design and implementation of networking systems and systems analysis and design.
- Demonstrate competence sufficient to identify current and emerging network technologies that may have strategic value for enterprises, assessing where those technologies have value, and managing the implementation of those technologies in the enterprise.
- Understanding and the implications of that in networks, layers are a construct for creating a locus of distributed shared state.
- Understanding and implications of that necessary and sufficient conditions for synchronization for reliable data transfer is to bound 3 timers..
- Understanding and implications of why a complete network addressing architecture requires location-independent application-names, location-dependent node addresses, route-dependent point of attachment addresses.
- Understanding why routing on the node address dramatically reduces router table size.
- Understanding and implications of that a well-structured layer is a securable container.
- Understanding and importance of not doing congestion management in the top layer.
- Understanding and implications of why a global address space is unnecessary.
- Understanding and implications of why the internet does not support any of these learning outcomes.