

CIT 330 – Directory Services Infrastructure

Credit Hours: 3

Scheduled hours per week

Lecture: 2

Lab: 1

Other:

Catalog Course Description: Advanced class to help prepare students for the MCITP certification. Topics include active directory, DNS for active directory, network management, components of active directory, and troubleshooting active directory security

Pre-requisites: CIT 211 must be passed with a grade of C or better

Co-requisites:

Course Learning Outcomes:

Students should have an understanding of and be able to apply the following concepts:

- Install, configure, manage, maintain, and troubleshoot Windows 2012 based directory service (Active Directory) infrastructure services
- Prepare students for the MS 70-412 Certification Exam

Topics to be studied:

<ul style="list-style-type: none"> • Configuring Advanced Active Directory • Advanced DHCP and DNS Configuration • Configuring Advanced File and Storage Solutions • Configuring DAC and IPAM 	<ul style="list-style-type: none"> • Configuring Server High Availability • Server and Site Disaster Recovery • Active Directory Certificate Services • Implementing AD FS and AD RMS
---	---

Relationship of Course to Program or Discipline Learning Outcomes:

	Ability to understand, plan, and execute good Project Management
	Ability to recognize and apply industry recognized code of ethics to various situations
✓	Ability to understand and apply Information Security concepts and best practices
	Ability to plan, implement, and troubleshoot Advanced Routing and Switching technologies
✓	Ability to plan, implement, and troubleshoot Advanced Systems Administration technologies
✓	Ability to plan, implement, and troubleshoot Advanced Security Systems

For general education courses, a listing of the general education competencies that are met.)

Relationship of Course to General Education Learning Outcomes:	
Composition and Rhetoric Students illustrate a fundamental understanding of the best practices of communicating in English and meet the writing standards of their college or program-based communication requirements.	
Science & Technology Students successfully apply systematic methods of analysis to the natural and physical world, understand scientific knowledge as empirical, and refer to data as a basis for conclusions.	✓
Mathematics & Quantitative Skills Students effectively use quantitative techniques and the practical application of numerical, symbolic, or spatial concepts.	✓
Society, Diversity, & Connections Students demonstrate understanding of and a logical ability to successfully analyze human behavior, societal and political organization, or communication.	
Human Inquiry & the Past Students interpret historical events or philosophical perspectives by identifying patterns, applying analytical reasoning, employing methods of critical inquiry, or expanding problem-solving skills.	
The Arts & Creativity Students successfully articulate and apply methods and principles of critical and creative inquiry to the production or analysis of works of art.	
5/3/2016	

Special requirements of the course:

Additional information:

Prepared by: Charles Almond

Date: 10/20/2017