

Note:

Course content may be changed, term to term, without notice. The information below is provided as a guide for course selection and is not binding in any form, and should not be used to purchase course materials.

COURSE SYLLABUS

CSIS 352

SYSTEM ADMINISTRATION

COURSE DESCRIPTION

Principles of system administration activities, applications, operating systems, and domains; analysis of computing applications, infrastructures, architectures, firmware, hardware, disaster recovery, security, and enterprise deployment.

RATIONALE

In a world where networks are ubiquitous, system administrators are needed more than ever. However, system administrators' job duties are rarely clear. In this course, essential aspects of system administration will be covered, providing students the opportunity to develop the skills required to analyze and troubleshoot systems as represented in the workplace today.

Some of the topics covered include: network foundations, change processes, provision of system services, security policies, backup deployment and disaster recovery, network design, software installation and maintenance, and configuration management.

I. PREREQUISITE

For information regarding prerequisites for this course, please refer to the [Academic Course Catalog](#).

II. REQUIRED RESOURCE PURCHASE

Click on the following link to view the required resource(s) for the term in which you are registered: <http://bookstore.mbsdirect.net/liberty.htm>

III. ADDITIONAL MATERIALS FOR LEARNING

- A. Computer with basic audio/video output equipment
- B. Internet access (broadband recommended)
- C. Microsoft Office

IV. MEASURABLE LEARNING OUTCOMES

Upon successful completion of this course, the student will be able to:

- A. Integrate a biblical worldview within information technology.
- B. Examine the primary components of administrative domains.
- C. Select appropriate IT architectures to meet business requirements.
- D. Analyze applications to solve organizational needs.

- E. Formulate a system installation, configuration, and deployment.

V. COURSE REQUIREMENTS AND ASSIGNMENTS

- A. Textbook readings and lecture presentations
 B. Course Requirements Checklist

After reading the Course Syllabus and [Student Expectations](#), the student will complete the related checklist found in Module/Week 1.

- C. Discussion Board Forums (2)

Discussion boards are collaborative learning experiences. Therefore, the student is required to provide a thread in response to the provided prompt for each forum. Each thread must be at least 250 words, demonstrate course-related knowledge, and follow current APA guidelines. In addition to the thread, the student is required to reply to 2 other classmates' threads and follow current APA guidelines. Each reply must be at least 100 words. If sources are used in threads or replies, proper APA citation must be used.

- D. Research Paper

The student will write a research-based paper in current APA format. The paper will be 5–7 pages long and will focus on a system administration project-based topic. The paper must include at least 5 references in addition to the course textbooks and the Bible.

- E. Projects (3)

The student will complete three projects that focus on system administration tasks.

- F. Quizzes (6)

Each quiz will cover the Reading & Study material for the module/week in which it is assigned. Each quiz will be open-book/open-notes, contain 20 multiple-choice or true/false and 2 short answer questions, and have a 25-minute time limit.

VI. COURSE GRADING AND POLICIES

- A. Points

Course Requirements Checklist	10
Discussion Board Forums (2 at 50 pts ea)	100
Projects (1 at 150 pts and 1 at 100 pts)	250
Research Paper	150
Final Project (200 pts)	200
Quizzes (6 at 50 pts ea)	300
Total	1010

- B. Scale

A = 900–1010 B = 800–899 C = 700–799 D = 600–699 F = 0–599

C. Disability Assistance

Students with a documented disability may contact Liberty University Online's Office of Disability Academic Support (ODAS) at LUOODAS@liberty.edu to make arrangements for academic accommodations. Further information can be found at www.liberty.edu/disabilitysupport.

COURSE SCHEDULE

CSIS 352

Textbooks: Limoncelli et al., *The Practice of System and Network Administration* (2017).
 Minasi et al., *Mastering Windows Server 2012 R2* (2013).
 LaCroix, *Mastering Ubuntu Server* (2016).

MODULE/ WEEK	READING & STUDY	ASSIGNMENTS	POINTS
1	Limoncelli et al.: Preface, ch. 55 Minasi et al.: ch. 2 1 presentation 1 video	Course Requirements Checklist Undergraduate Level Business Program Assessment Class Introductions DB Forum 1	10 0 0 50
2	Limoncelli et al.: chs. 16–21 1 presentation	Quiz 1	50
3	LaCroix: ch. 1 Limoncelli et al.: chs. 25–26 Minasi et al.: ch. 6 1 presentation	Project 1 Quiz 2	150 50
4	LaCroix: ch. 4, 7–8 Limoncelli et al.: ch. 22 1 presentation	DB Forum 2 Quiz 3	50 50
5	Limoncelli et al.: chs. 13–15, 34 1 presentation	Project 2 Quiz 4	100 50
6	Limoncelli et al.: chs. 32–33 1 presentation	Research Paper Quiz 5	150 50
7	Limoncelli et al.: ch. 21 Minasi et al.: ch. 22 (Using PowerShell) 1 presentation	Quiz 6	50
8	LaCroix: ch. 14 Limoncelli et al.: chs. 35–37 1 presentation	Final Project	200
TOTAL			1010

DB = Discussion Board

NOTE: Each course module/week (except Module/Week 1) begins on Tuesday morning at 12:00 a.m. (ET) and ends on Monday night at 11:59 p.m. (ET). The final module/week ends at 11:59 p.m. (ET) on **Friday**.