

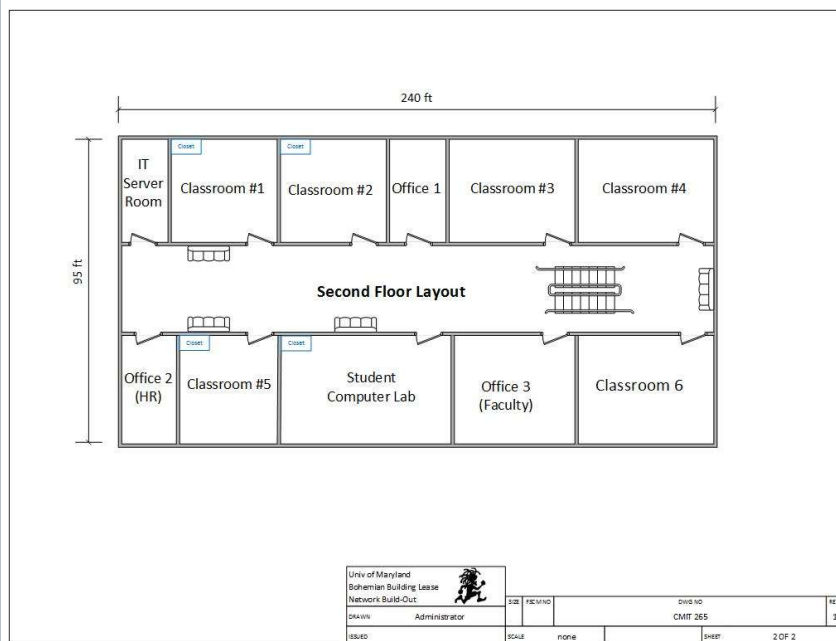
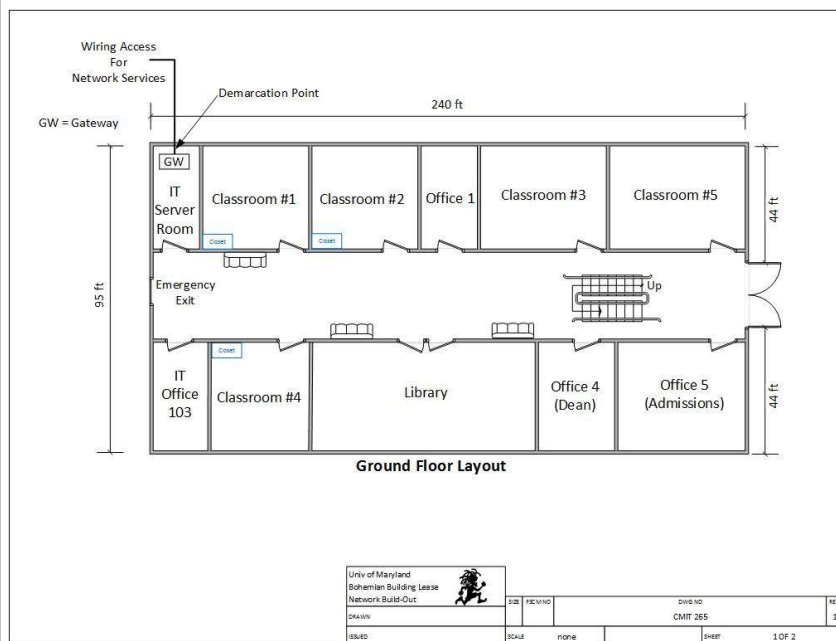


## Project Instructions

You have been hired as part of the network security team at UMUC. After completing orientation and training, your manager calls you into a meeting to discuss your first project.

The university has completed the implementation of the leased building in Adelphi, Maryland. If you recall, this was the Network Design Proposal completed in CMIT 265. The university realizes it needs to secure the faculty, students, and visitors network and data. With your background and skills, the university is looking to you for guidance. In addition to helping the university secure its network, you are required to obtain your CompTIA Security+ certification within 60-days of being hired.

As you will recall, the university leased building in Adelphi, Maryland was designed and implemented via the following layout:



You've been asked to perform network security analysis and planning, secure the boundary devices, hosts, and software; and secure the data at rest and in transit. Similar to the Network Design Proposal in CMIT 265, your deliverable should explain the requirement, propose a solution, and justify the solution. You should make use of the TestOut LabSim material to create the task, and study for CompTIA Security+ certification. You should also make use of other sources as required. It is important that your deliverable explain the technical issues in layman's terms. Before you begin, make sure to review the Network Security Proposal (Parts 1-3).

In this learning demonstration, you will use TestOut Security Pro to help you understand how to identify and assess network infrastructure and pass the CompTIA Security+ certification. In order to identify your strengths and weaknesses, you will first complete the practice exam that will prepare you for the certification. The learning materials within TestOut LabSim will help you understand the types of vulnerabilities within a network and how to address them. As you step through each set of activities, you will submit a Vulnerability Assessment and Recommendation Document in three parts. Use the results of the certification practice exam you took at the beginning of the class to help guide you on

which areas within LabSim you should pay closer attention. You must complete all online labs in TestOut LabSim; these are the activities with the computer mouse icon. Some of the other areas in TestOut LabSim are optional. You can complete any or all of those if you feel you need to learn more about the topics.

There are nine steps in this project that lead you through each deliverable. Begin with Step 1, obtaining access to TestOut Security Pro and enrolling in LabSim, and then continue with Step 2, taking the practice exam.

0 % 0 of 6 topics complete

[Steps to Completion](#)

[How to Access the Practice Exam - Video](#)

[LabSim Instructions](#)

[Turnitin Instructions](#)

[Network Security Proposal \(Parts 1-3\)](#)

[Network Security Proposal Template](#)