

LINUX SYSTEM ADMINISTRATION CERTIFICATE

Department website (<https://www.uwp.edu/learn/programs/unixsystemadmin.cfm>)

Today's internet platform is dominated by the Linux operating system, which is the core of cloud infrastructure and many internet services. UNIX and Linux system administration is critical for deploying and serving applications, web applications, databases, cloud services, virtual machines, servers, and more. Developers, programmers, system engineers, in addition to system administrators benefit from a deep understanding and fluency in Linux, shells, the command line, filesystems, utilities, editors, automation, hosting, network design, containerization, and application code deployment.

Undergraduate certificates are not available to students registered in graduate programs.

Program Learning Outcomes

1. Develop information technology technical solutions.
2. An ability to analyze a problem, and identify and define the computing requirements appropriate to its solution.
3. An ability to design, implement, and evaluate a computer-based system, process, component, or program to meet desired needs.
4. An understanding of professional and security issues and responsibilities.
5. An ability to use current techniques, skills, and tools necessary for computing practice.

Requirements for the Linux System Administration Certificate

Students need to minimally take CSCI 275 and CSCI 435 at UW-Parkside.

All students must have a programming background; transfer students need one programming course at UW-Parkside to satisfy the residency requirement.

Code	Title	Credits
Required Course Options		
Select one of the following:		4-6
CSCI 241	Computer Science I	
CSCI 242	Computer Science II	
MIS 221 & MIS 322	Business Programming I and Business Programming II	
Required Courses		
CSCI 275	Linux Concepts, Tools and Scripting	2
CSCI 435	Linux System Administration	3
Total Credits		9-11

University Requirements for Undergraduate Certificates

Course work in a certificate must be completed with a minimum 2.00 GPA. Departments or programs may require a higher GPA.

A minimum of 9 credits in a certificate program must be taken at UW-Parkside. Individual departments and programs may require more than 9 credits to be taken at UW-Parkside.