

## SYSTEM ADMINISTRATION TRACK

The System Administration (SA) track prepares the student for a career in system and network administration. The track addresses issues related to the selection, installation, configuration and maintenance of Linux and Windows operating systems (including shell programming and scripting, heterogeneous systems, remote management, the legal issues of system administration, as well as the design and implementation of policies and automated administration regimes) and internetworking environments (including the TCP/IP protocol suite and network services administration [DHCP, DNS, SSH, and Kerberos]). Students will be exposed to the most common operating software (including Windows and Linux, both client/desktop and server) and coached on best practices in their administration. SA is one of four track options available in the Information Technology Major.

### CAREER PATH

As organizations keep investing in their information systems, talents are needed to help design, deploy, manage, and safeguard these systems. System/Network administration has consistently been ranked as one of the top, if not the top, fastest-growing jobs in recent years. Students may assume job titles such as System /Network Analyst, System/Network Administrator, System/Network Engineer, Data Communications Analysts, and System/Network Manager.

### TRACK REQUIREMENTS

Four courses to complete concentration (12 credits)

#### FOUR REQUIRED COURSES:

- IT 341 Introduction to System Administration
- IT 442 Windows System Administration
- IT 443 Network Security Administration
- IT 444 Network Services Administration

“I chose the System Administration track since I've always been interested in learning more about networks and maintaining the computer systems on them. In high school, I was a part of an Information Technology vocational program that focused a lot on Linux and Windows based systems and how they are deployed and maintained on a network. What excites me the most about this track is that what I learn translates directly into the real world, as System Administration is needed to keep even the simplest networks up-and-running.”

Brian Cummings, Class of 2022