

## Angeli Renee F. Belen | BSIT 4-3

Chosen Topic:

*Research available classes and degree granting programs in the field of System Administration. Compare their contents to those of industry standard certification courses.*

There are a lot of *Classes* and *Certifications* available for the field of System Administration. But what is System Administration. They are IT professionals who supervise the networks and servers of a company or organization. Although the role has a lot of tasks and responsibilities that requires a lot of knowledge on the profession perse. Where some might think a degree is needed for this vital role it is possible to become certified in system administration, and a degree is not always required for entry-level roles you may find that you qualify for more roles and more advanced roles with a degree.

There are three primary degree types you can earn if you want to work as a sysadmin: *associate*, *bachelors*, and *masters*. Where this role requires an understanding of IT along with strong critical thinking skills.

**Associate degree** it offers a more academic approach to a subject and can fold into a bachelor's degree, or Associate of Applied Science (AAS) degree, which is often considered a terminal degree that provides more hands-on training that requires 2 years to complete. Examples of this degree are:

- Associate of Science in Information Technology
- Associate of Science in Computer Science
- Associate of Science in Information Systems
- Associate of Science in Network Systems Administration
- Associate of Applied Science in System Administration

**Bachelor's degree** in a computer-related subject takes around 120 credits to earn, which can amount to between four and five years when attended full-time. Examples of the majors that will help to gain knowledge for this role are:

- Information science
- Computer systems networking
- Computer science
- Information technology
- Software engineering
- Systems & network administration

- Information networking and telecommunications

**Master's degree** in a computer-related subject takes around two years to complete and could only be taken after finishing a bachelor's degree. It may be expected to complete a thesis or capstone project as part of your graduation requirements. A more crucial and higher roles in companies is sometimes requires this degree before actually taking it.

While there is also what is called **certifications** that can earn to help prepare for an entry-level job. These include the Cisco Certified System Administrator, Red Hat System Administrator Certification, and the Google IT Support Professional Certification.

The skill of maintaining a company's servers and networks in top condition is called system administration. A degree does pay off in the long run in terms of improved prospects and higher-quality positions, even though it isn't always necessary to secure a job. An associate's, bachelor's, or master's degree are the options; each offers more information about networking, computer science, and information technology. If prefer to cut corners, earning certifications like Red Hat System Administrator, Google IT Support Professional, and Cisco Certified System Administrator will provide the practical know-how needed to handle entry-level jobs. Will thus have a significant advantage in the role of system administration profession if combined degree with certificates.