

COMPUTER SYSTEMS AND INFORMATION TECHNOLOGY, ASSOCIATE OF APPLIED SCIENCE (AAS)

Location: Gonzales

The Computer Systems and Information Technology degree is a 60-credit hour program that provides students with the skills needed to manage an organization's computer systems. The program provides students with the fundamental knowledge and skills required for learning industry-specific methodologies and recognized standards associated with computer system administration and to develop strong critical thinking skills. Emphasis is placed on Cloud Computing to analyzing system logs, applying system updates, updating user accounts, troubleshooting problems, and ensuring uptime.

Curriculum

Course	Title	Hours
First Semester		
CSIT 1103	Introduction to Programming	3
CSIT 1213	IT Hardware Support	3
CSIT 1303	IT Software Support	3
General Education, Mathematics/Analytics Reasoning - MATH 1203		3
SPCH 2013	Techniques of Speech	3
Hours		15
Second Semester		
CSIT 1403	Network Essentials	3
CSIT 1513	Introduction to Scripting	3
CSIT 1603	Introduction to Virtualization	3
CSIT 1703	Microsoft Windows Servers	3
ENGL 1013	English Composition I (General Education, English Composition)	3
Hours		15
Third Semester		
CSCI 2103	Relational Database Coding	3
CSIT 2223	Intro to Cloud Computing	3
CSIT 2303	Linux I	3
CSIT 2403	Network Security Design	3
General Education, Natural Science - Select three hours of Biology (BIOL), Chemistry (CHEM), Physical Science (PHSC), or Physics (PHYS)		3
Hours		15
Fourth Semester		
CSIT 2913 or CSIT 2993	CSIT Capstone or CSIT Internship	3
CSIT 2603	Linux II	3
General Education, Social Science - Select three hours from ANTH, ECON, GEOG, POLI, SOCL, PSYC; WGNS 2503; or CRJU 1013		3
General Education, Humanities - Select three hours from HIST, PHIL 1013, PHIL 2013, or RELS 2213		3
BUSN 2203	Software Applications	3
Hours		15
Total Hours		60

Additional Academic Awards

IT Support Career and Technical Certificate (CTC)

Prepares students to take the CompTIA A+ exam. Students who pass both parts of the CompTIA A+ exam earn the CompTIA A+ industry-based certification.

Code	Title	Hours
CSIT 1213	IT Hardware Support	3
CSIT 1303	IT Software Support	3
Total Hours		6

Network Support Specialist Certificate of Technical Studies (CTS)

Prepares students for the CompTIA A+, CompTIA Network+, CompTIA Cloud Essentials+, and CompTIA Server+ industry-based credentials.

Code	Title	Hours
CSIT 1213	IT Hardware Support	3
CSIT 1303	IT Software Support	3
CSIT 1403	Network Essentials	3
CSIT 1513	Introduction to Scripting	3
CSIT 1603	Introduction to Virtualization	3
CSIT 1703	Microsoft Windows Servers	3
Total Hours		18

Computer Network Technician Technical Diploma (TD)

In addition to the industry-based credentials listed above, completion of the TD prepares students for the CompTIA Security+ industry-based credential.

Code	Title	Hours
CSIT 1103	Introduction to Programming	3
CSIT 1213	IT Hardware Support	3
CSIT 1303	IT Software Support	3
CSIT 1403	Network Essentials	3
CSIT 1513	Introduction to Scripting	3
CSIT 1603	Introduction to Virtualization	3
CSIT 1703	Microsoft Windows Servers	3
SPCH 2013	Techniques of Speech	3
CSCI 2103	Relational Database Coding	3
CSIT 2223	Intro to Cloud Computing	3
CSIT 2303	Linux I	3
CSIT 2403	Network Security Design	3
CSIT 2913 or CSIT 2993	CSIT Capstone or CSIT Internship	3
CSIT 2603	Linux II	3
BUSN 2203	Software Applications	3
Total Hours		45

Industry-Based Credentials

First Semester

- CompTIA A+

Second Semester

- CompTIA Network+
- CompTIA IT Fundamentals+
- CompTIA Server+

Third Semester

- CompTIA Cloud+
- CompTIA Security+

Upon successful completion of the program, the graduate will be able to:

1. Interpret technical literature.
2. Troubleshoot computer system issues.
3. Explain how to change user account permissions and give an example of what a permission can do.
4. Perform SOP for monitoring system logs and user activity.
5. Maintain systems by installing updates, patches, and security protection.
6. Demonstrate basic proficiency with a programming language.

For additional career-related information and resources, visit the RPCC Career Success webpage (<https://www.rpcc.edu/workforce-training/career-success-center/career-success-center/>).