

# Information Systems and Technology Certificate

The Certificate in Information Systems and Technology is designed to help students acquire related information systems knowledge and skills through a broad selection of coursework. Students are not required to have a bachelor's degree to enroll in the certificate program; however, must have completed all prerequisite courses necessary (indicated in the course description within this catalog) for any course in the certificate program. To complete the certificate in Information Systems and Technology, students must take the required courses listed in the tables below.

This certificate has two unique tracks. Track A prepares students for the Software Engineering Graduate Program in the College of Liberal Arts and Sciences. This track allows students who do not have a background in computer science an opportunity to complete the necessary prerequisites to be eligible for admission into the Software Engineering Graduate Program. Track B is more generally focused and intended for students who are seeking to attain leadership and management in business as related to information systems and technology.

A bachelor's degree is not required for acceptance into the program, but credits fully apply toward CPS degree programs.

**Program:** Information Systems and Technology

**Type:** Certificate

## Certificate Requirements – Track A (4 Courses, 14 Credits)

Required Courses (4 Courses, 14 Credits)

| Course   | Title                      | Credits |
|----------|----------------------------|---------|
| CSC 1051 | Algorithms & Data Struc I  | 4       |
| CSC 1052 | Algorithms & Data Struc II | 4       |
| CSC 1300 | Discrete Structures        | 3       |
| CSC 2400 | Computer Systems I         | 3       |

## Certificate Requirements – Track B (4 Courses, 12 Credits)

Required Courses (4 Courses, 12 Credits)

| Course    | Title                     | Credits |
|-----------|---------------------------|---------|
| CSC 1010  | Programming for All       | 3       |
| CSC 1035  | Databases for Many Majors | 3       |
| ISYT 1000 | Intro to Info Sys & Tech  | 3       |
| ISYT 1100 | Data and Information Mgmt | 3       |