

COMPUTER SCIENCE

Curriculum Guide for Academic Year 2019-2020

Table of Contents

Associate in Science Degree,	p. 1
Computer Networking Courses,	p. 1
Certificate of Achievement,	p. 2
Certificates of Accomplishment,	p. 2
Android App Developer,	p. 2
Career Opportunities,	p. 2
Program Mission and Outcomes,	p. 3

Associate Degree requirements continued from previous page.

5. **General Education and Proficiency Requirements:** Complete the required A.A./A.S. General Education and Proficiency requirements*, otherwise known as "Plan A". For Plan A requirements, refer to the general catalog or v

Program Mission and Outcomes

Our mission is to provide the student in the Computer Science Degree or Certificate Program with the foundation to succeed in the next step in their education path with the recommend Association of Computer Machines (ACM) foundation knowledge in computer science principles of program design and analysis, mathematical maturity, and a good physics foundation.

Outcomes:

Demonstrate a knowledge of common algorithms, their performance, and what applications to use them for.

Create computer programs with object oriented design principles, and demonstrate a solid understanding of the practice of programming.

Articulate the basic structures of a processor and their relation to each other and performance, and demonstrate an understanding of assembly language.

Outcomes for Certificate of Accomplishment:

Demonstrate the ability to create, design, and implement java based Android applications (apps) using the Android API.

Show the skills to create, manage, and use databases and SQL for Android Applications (apps).

Be able to complete the full development process for Android Applications (apps).

Legend

† This course has a prerequisite. Prerequisite courses must be complete with at least a “C” or “P” grade. Refer to the General Catalog (<http://www.lbcc.edu/cat/index.html>), the Schedule of Classes (<http://schedule.lbcc.edu/>), or the online Credit Course Outline (<http://wdb-asir.lbcc.edu/coursecurriculum/coursedetails/>) for specific prerequisite information.