

COMPUTER PROGRAMMING SPECIALIST AAS



A Program Overview of the Computer/Digital Technology Area of Study

Updated as of May 2018



Programs At-A-Glance

Computer Programming Specialist AAS

Available at LSC-CyFair, LSC-Kingwood, LSC-Montgomery, LSC-North Harris, LSC-Tomball, and LSC-University Park

LoneStar.edu/Programming-Specialization-AAS

¹**Entry Level Wage:** \$50,151

Programming Certificate Level I

Available at LSC-CyFair, LSC-Kingwood, LSC-Montgomery, LSC-North Harris, and LSC-Tomball, and LSC-University Park

LoneStar.edu/Programming-Specialist-Certificate

Successful organizations need people that know how to use technology to find solutions to business challenges. Individuals who understand how to contribute to productivity using technology are valued employees.

The Associate of Science in Information Technology (AAS) curriculum includes a common core and two levels of certificates. The AAS core provides a strong foundation in the key information technology areas of programming logic and structure, language implementation and ethics. This core provides a foundation that can be used to build a knowledge base for a variety of information technology careers. Students who have technology degrees or who have articulated courses from high school may receive advanced training in a specific programming language or languages.

The general education core courses, COSC classes, and some technical courses transfer to a variety of universities. Technical AAS degrees transfer in total to some universities. Contact a counselor or advisor at any college for specific information and to obtain the recommended sequencing of courses.

Programming students interested in transferring to a bachelor's program in computer science should consider completing the AS degree with a field of study in computer science.

FOR MORE INFORMATION:

Please contact the Computer Information Technology Departments at LoneStar.edu/CIT-Dept

Also Available Online

¹**Wage Data** is based on annual salaries from Bureau of Labor Statistics, U.S. Department of Labor, Occupational Employment Statistics, 2016, www.bls.gov/oes.

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COMPUTER PROGRAMMING SPECIALIST AAS



Certificate I
30 Credits

AAS Degree
60 Credits

Introduction to Computers

Computer Programming

IT Essentials
OR

Linux Installation and Configuration

Programming Language (Beginning-1st Level Course)

Project Management Software

Introduction to MySQL
OR
Beginning Web Programming

Business and Professional Communication

Programming Language (Advanced-2nd level course)

Technical Elective

Systems Analysis and Design

Learning Framework: 1st year Experience
OR
General Elective (Trigonometry Recommended)

Introduction to Accounting I

Programming Language (Beginning-1st Level Course)

Math Elective

Composition & Rhetoric I

Programming Language (Advanced-2nd level course)

Art Appreciation
OR

Introduction to Humanities I: Prehistory to Gothic

Technical Elective

Federal Govt, US History to 1877
OR

U.S. History Since 1877

OR

General Psychology
OR

Principles of Sociology

Comprehensive Software Project: Coding, Testing, and Implementation
OR

Cooperative Education: Computer Programming
OR

Technical Skills Portfolio

Representative career titles and job positions for this program plan include:

- **Analyst Programmer**
- **Applications Developer**
- **Computer Programmer²**

¹Median Wage: \$50,151

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²Position titles vary by employer and location.

**Complete your Computer
Programming Specialist AAS
in 2 years!**

For more information on gainful employment, visit LoneStar.edu/GainfulEmployment.

