

COMPUTER INFORMATION SYSTEMS — APPLICATIONS PROGRAMMER

Is Computer Information Systems — Applications Programmer for me?

The field is for you if you ...

- Enjoy the challenge of updating computer skills.
- Have the ability to think logically and develop problem-solving skills.
- Have the ability to understand and interpret written and oral communications.
- Are proficient in spelling, grammar, punctuation, and editing.
- Have the ability to work with distractions and still meet deadlines.

What skills will I need for this field?

You will need to have ...

- The ability to code an algorithm into a programming language.
- The ability to write program documentation with flawless grammar.
- The ability to work in teams with other programmers.
- The ability to communicate with end-user, systems analyst, and upper management.

What is the work atmosphere like?

Often high pressure because of product due dates and customers' schedules. Challenging because of the dynamic nature of the computer field.

What are my degree options?

Certificates

Assembler Language
COBOL Language
UNIX
Visual Basic
Visual C++ Language
Web Programmer

Associate's Degrees

Associate's in Applied Science (AAS)
Associate in Science (AS)
(Application Programmer)

Bachelor's Degree

Bachelor's degrees are available by transferring to four-colleges and universities. For example: Western Illinois University, Northern Illinois University and North Central College.

Professional Certification

AFIPS - American Federation of Information Processing Societies
ACM - Association for Computing Machinery ASM - Association for Systems Management
DPMA - Data Processing Management Association SIM - Society for Information Management
EDP - Auditors Foundation

What are my career opportunities?

Programmers may advance to the level of Systems Analyst, Project Manager, Information System Manager and eventually the Chief Information Officer for a company.

What can I do with these degrees?

If you have completed ...

High School Diploma

Data Entry Operator, Hardware Salesperson, Software Salesperson

Certificate

Data Entry Operator, Hardware Salesperson, Software Salesperson, Tech Support

Associate in Applied Science Degree

Applications Programmer, Computer Operator, Computer Service Technician (Software) Consultant, Data Entry Manager, Data Entry Operator, Hardware Salesperson, Information Center Consultant,

Microcomputer Programmer, Microcomputer Specialist, Operations Manager, Software Developer, Software Salesperson

Bachelor's Degree

Chief Information Officer, Computer Applications Engineer, Computer Science Engineer, Computer Security Specialist, Consultant, Data Base Analyst, Data Base Manager, Data Processing Manager, Educator, Media Center Manager, Network Administrator, Software Designer, Software Engineer, Systems Analyst, Systems Programmer, Technical Writer

How can I prepare now?

Recommended courses ...

Math

Two years Algebra, Pre-Calculus recommended

Science

Computer Science, Physics

Communications

Composition, Technical Writing, Speech, Advanced Reading

Occupational Electives

Accounting, Business, Computer Programming

Recommended Supporting Electives

Keyboarding, Applications

What should I take in my first semester at C.O.D.?

CIS 1150: Introduction to Computer Information Systems

CIS 1160: Windows Command Line (DOS) *OR*

CIS 1450: Introduction to Linux/Unix Operating Systems
International Studies Elective

Whom can I talk to for more information?

Business and Technology Division
(630) 942-2592

For more information on the Associate in Applied Science Degree curriculum, see your program coordinator or go to www.cod.edu.

What about my articulated credit?

Check with your high school coordinator to see if you are eligible for articulated credit at College of DuPage.