

Computer Information Technology

College of Lake County Grayslake · Vernon Hills · Waukegan · Online

Transfer Degree Program

AREA OF CONCENTRATION:
COMPUTER INFORMATION
TECHNOLOGY

ASSOCIATE IN SCIENCE (11AB)

Students may obtain an Associate in Science degree from the College of Lake County by successfully meeting college requirements and the course requirements outlined below.

I. College Requirements (see back)

II. General Education Requirements 43

A. Communication Arts 9

- CMM 121 Fundamentals of Speech 3
- ENG 121 English Composition I 3
- ENG 122 English Composition II **or**
- ENG 126 Advanced Composition: Scientific and Technical Communication . . . 3

Note: A grade of "C" or better is required in ENG 121, ENG 122 and ENG 126

B. Social Sciences 9

- Recommended Courses:
- ECO 221 Principles of Macroeconomics . . . 3
 - ECO 222 Principles of Microeconomics . . . 3
 - Social Science Elective* 3

C. Physical and Life Sciences 8

- Physical Science with Lab Elective* 4
- Life Science with Lab Elective* 4

D. Mathematics 8

- Recommended Courses:
- MTH 145 Calculus and Analytic
Geometry I **or** 4
 - MTH 224 Calculus for Business and
Social Science 5
 - MTH 222 Elementary Statistics 4

E. Humanities and Fine Arts 9

- Fine Arts Elective* 3
- Humanities Elective* 3
- Humanities or Fine Arts Elective* 3

III. International/Multicultural Requirement (I/M)
Select one course from the I/M list*. This course can fulfill both the I/M requirement and a Social Science, Humanities, Fine Arts or Elective requirement. A B.A. degree at many four-year colleges may require college-level foreign language.

IV. Area of Concentration/Elective Requirements 17

- Recommended Courses:
- ACC 121 Financial Accounting 4
 - ACC 122 Managerial Accounting 4
 - CIT 120 Introduction to Computers 3
 - CIT 134 Programming Concepts Using
Visual Basic 3
 - CIT 141 Programming in C++ 4
 - CIT 241 Advanced C++ 3

Transfer Program Notes

* To complete an A.S., students must meet General Requirements detailed in the current CLC catalog. Visit www.clcillinois.edu/catalog (select Associate Degree Transfer Program).

Courses listed are recommended for students who have not decided upon a specific four-year college or university to which to transfer. Students are strongly encouraged to meet with a counselor or advisor to identify coursework that will meet both CLC and transfer requirements.

Transfer Agreement

The College of Lake County is a participant in the Illinois Articulation Initiative (IAI), a major statewide cooperative agreement that eases the transfer process of the completed Illinois General Education Core Curriculum among participating institutions.

Several CLC courses share an IAI number; however, each IAI number may only be used once for a general education requirement. Students may use a course with the same IAI number as an elective only. Visit www.clcillinois.edu/info/transfer to learn more about transfer planning.

Typical Jobs *

- Information Systems Director (IS Director)
- Information Technology Director (IT Director)
- Systems Analyst
- Programmer Analyst
- Computer Operator
- Computer Programmer
- Information Technology Specialist
- Computer Specialist
- Software Engineer
- Software Developer
- Systems Programmer

Salary Range *

\$37,300 - \$145,600+

Job Outlook *

The increasing use of technology in the workplace is projected to lead to faster than average growth. Due to employment increases and because of the high demand for technical workers, prospects should be excellent for qualified job candidates.

Most Popular Transfer Schools

- This degree will transfer to any state university in Illinois, including:
- Northeastern Illinois University
 - Northern Illinois University
 - Southern Illinois University
 - Eastern Illinois University
 - Western Illinois University
 - Illinois State University
- www.clcillinois.edu/info/transfer

* Career information is based on data from the Bureau of Labor Statistics for the Chicagoland area.



Computer Information Technology



www.clcillinois.edu/programs/cit

College Requirements

- Satisfactory completion of the General Education Requirements for the appropriate degree;
- Cumulative CLC grade point average of 2.0 or higher;
- Minimum of 15 credit hours of the last 30 earned at CLC;
- Completed Petition to Graduate (available in Admissions and Records) ;
- Compliance with the requirement regarding the Constitution Examination (Senate Bill 195 of the 68th General Assembly of the State of Illinois) by any of the following means:
 - Illinois high school transcript showing a graduation date of 1953 or later, or
 - Successfully passing the CLC proficiency exam covering the Constitution of the United States, the State of Illinois, and the proper use and display of the American flag, or
 - Successful completion of PSC 121 or HST 221 at CLC, or
 - Completing the requirement at another institution of higher education in the State of Illinois.

How to Register

Visit www.clcillinois.edu/credit/register for steps on how to register.

Job Responsibilities

- Plan, direct, or coordinate activities in such fields as information systems, systems analysis and computer programming.
- Analyze science, engineering, business and all other problems associated with applications for electronic information systems. Analyze user requirements, procedures and problems to automate or improve existing systems and review computer system capabilities, workflow and scheduling limitations.
- Monitor and control computer and peripheral processing equipment to process business, scientific, engineering and other data according to operating instructions.
- Convert project specifications and statements of problems and procedures to detailed documentation for coding into computer language.
- Plan, coordinate and implement security measures for information systems to regulate access to computer data files and prevent unauthorized modification, destruction or disclosure of information.
- Develop, create and modify general computer applications software or specialized utility programs. Analyze user needs and develop software solutions.
- Research, design, develop and test operating systems-level software, compilers and network distribution software for medical, industrial, military, communications, aerospace, business, scientific and general computing applications.

Contact Info

19351 W. Washington Street
Grayslake, IL 60030

Business Division
Room: T102
Phone: (847) 543-2041

Department Chair
Ellen Dykeman
T219, (847) 543-2521
edykeman@clcillinois.edu

Instructors
Changyi Chen
T212, (847) 543-2518
cchen@clcillinois.edu

Dan Dainton
T219, (847) 543-2538
ddainton@clcillinois.edu

Sanjay Kumar
T210, (847) 543-2818
skumar@clcillinois.edu

John North
T210, (847) 543-2507
jnorth@clcillinois.edu

Robert Scherbaum
T206, (847) 543-2820
rscherbaum@clcillinois.edu