



# Cerritos College

## COMPUTER AND INFORMATION SCIENCES - OPERATOR CERTIFICATE OF ACHIEVEMENT

### Program of Study

DIVISION/DEPARTMENT REQUIREMENTS		UNITS
CIS 52*	Data Processing Mathematics	3
CIS 101	Introduction to Computer Information Systems	3
or CIS 102	Introduction to Microcomputer Hardware and Applications Software	(3)
CIS 103	Computer Programming Logic	3.5
CIS 141	AS/400 Operations	3
CIS 141A	Operate iSeries (AS/400) using Operations Navigator	1.5
CIS 240	AS/400 Control Language Programming	3
BCOM 147**	Business Communications	3
or ENGL 52**	Introduction to College Composition	(3)
or ENGL 100**	Freshman Composition	(4)
or ENGL 155**	Technical Writing	(3)
<b>Choose fifteen units from the following courses:</b>		
BCOT 52	Data Entry	2
CIS 58A	PC Operating System A+ Certification	3.5
CIS 70A	Networking Fundamentals	3
CIS 75	SQL/Administration	3
CIS 105	Using Microsoft Windows	1.5
CIS 121	Introduction to Internet	1.5
CIS 140	Query/400	1
CIS 175	RPG Programming	3
CIS 180	Programming in C/C++	3
CIS 201	Systems Analysis and Design	3
CIS 207	SQL Programming	3
CIS 208	Oracle Database Programming	3
CIS 212	Windows 2000 Professional and Server	3
CIS 214	Unix	3
CIS 271/272 273/274	CIS Occupational Work Experience	1/2/3/4
TOTAL CERTIFICATE REQUIREMENTS:		36

\*Meets general education requirement, may substitute MATH 60

\*\*Meets AA Degree general education requirements.

NOTE: CIS 52, 101, 102, or 103 meet AA degree general education communication and analytic thinking requirement.

#### ASSOCIATE IN ARTS DEGREE REQUIREMENTS:

Meet the requirements for a Certificate of Achievement in Computer and Information Sciences

# COMPUTER AND INFORMATION SCIENCE OPERATOR

Operator and complete general education requirements and electives to achieve a minimum of 60 units.

See Cerritos College Graduation Requirements.

Please see a counselor or the respective department for additional alternatives.

NOTE: Although many of these courses are transferable, this Certificate/AA Degree is nontransferable.