



# Cerritos College

COMPUTER AND INFORMATION SCIENCES IBM AS/400  
SPECIALIST  
CERTIFICATE OF ACHIEVEMENT

Program of Study

DIVISION/DEPARTMENT REQUIREMENTS		UNITS
CIS 52*	Data Processing Mathematics	3
CIS 103	Computer Programming Logic	3.5
CIS 140	QUERY/400	1
CIS 141	AS/400 Operations	3
or CIS 142A	AS/400 Operations Part 1	(1.5)
and CIS 142B	AS/400 Operations and Facilities Part 2	(1.5)
CIS 175	RPG Programming	3
CIS 207	Database Design and SQL	3
CIS 222	Advanced RPG Programming	3.5
or CIS 223	Visual RPG	(3)
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 5.0 units from the following courses:</b>		
CIS 70A	Network Fundamentals	3.5
CIS 121	Introduction to the Internet	1.5
CIS 141A	Operate iSeries (AS/400) using Operations Navigator	1.5
CIS 180	Programming in C/C++	3
CIS 182	Java Programming	3.5
CIS 186	Visual Basic.NET Programming	3.5
CIS 205	Programming in HTML for the World Wide Web	1.5
CIS 271/272	CIS Occupational Work Experience-	1/2/3/4
CIS 273/274		
TOTAL CERTIFICATE REQUIREMENTS:		31.5/32

\*Meets general education requirement, may substitute MATH 60

\*\*Meets AA Degree general education requirement, may substitute ENGL 100

NOTE: CIS 52 or CIS 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 IBM AS/400 Specialist and complete general education requirements and electives to achieve a minimum of 60 units.

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

Please see SEM/CIS counselors or the respective department for additional alternatives.