



# Cerritos College

## COMPUTER AND INFORMATION SCIENCES MICROCOMPUTER SPECIALIST CERTIFICATE OF ACHIEVEMENT

### Program of Study

# MICROCOMPUTER SPECIALIST

<b>DIVISION/DEPARTMENT REQUIREMENTS</b>		<b>UNITS</b>
CIS 52*	Data Processing Mathematics	3
BCOT 96	Microsoft PowerPoint Core/Expert	1.5
BCOT 117	Introduction to Desktop Publishing	
	Microsoft Publisher	1.5
CIS 58A	PC Operating System A+ Certification	3.5
CIS 102	Introduction to Microcomputer Hardware and Applications Software	3
CIS 103	Computer Programming Logic	3.5
CIS 105	Using Microsoft Windows	1.5
CIS 151	Microsoft Excel for Information Systems/ Information Technology	3.5
CIS 155	Microsoft Access	3
CIS 186	Visual Basic.NET Programming	3.5
BCOM 147**	Business Communications	3
or ENGL 52**	Introduction to College Composition	(3)
or ENGL 100**	Freshman Composition	(3)
or ENGL 155**	Technical Writing	(3)
<b>Choose 6 units from the following courses:</b>		
CIS 70A	Network Fundamentals	3.5
CIS 121	Introduction to Internet	1.5
CIS 180	Programming in C/C++	3
CIS 182	Java Programming	3.5
CIS 201	Systems Analysis and Design	3
CIS 205	Programming in HTML for the World Wide Web	1.5
CIS 206	XML Programming	3.5
CIS 212	Windows 2000 Professional Server	3
CIS 214	Unix	3
CIS 271/272/ 273/274	CIS Occupational Work Experience	1/2/3/4
CIS 280	Object-Oriented Programming in C++	3
<b>TOTAL CERTIFICATE REQUIREMENTS:</b>		<b>36.5</b>

\*Meets AA Degree general education requirement, may substitute MATH 60

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NOTE: CIS 52, 102, or 103 meets AA Degree general education communication and analytic thinking requirement.

# MICROCOMPUTER SPECIALIST

**ASSOCIATE IN ARTS DEGREE REQUIREMENTS:**

Meet the requirements for Certificate of Achievement in Computer and Information Sciences Microcomputer 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 counselors or the respective department for additional alternatives.