

Degree:

Information Technology - Information Systems AAS (ITIS)

Effective Date: 3/05/08

		SEMESTER							
CR	COURSE	CA#	TR						
1-4	HRD 100A, 100 or 110								
3	ENG 101 or ENG 100A&B								
3	Choose one course from: ENG 102 - 110 (110 Recommended)								
3	MAT 119 (Prereq Required)								
3- 4	LAB SCIENCE								
1	PHYSICAL EDUCATION Note: PED 105, 172, 210, 211, & 212 do not fulfill this requirement								
1	PHYSICAL EDUCATION Note: PED 105, 172, 210, 211, & 212 do not fulfill this requirement								
3	SOCIAL SCIENCE ELECTIVE								
3	SOCIAL SCIENCE ELECTIVE								
1	BUS 118								
3	LIBERAL ARTS ELECTIVE								
3	SPH 111								
3	CIS 143 (Prereq Required)								
3	CIS 144 (Prereq Required)								
3	CIS 131								
3	CIS 150 (Prereq Required)								
3	CIS 178 (Prereq Required)								
3	CIS 231 (Prereq Required)								
3	BUSINESS Elective: Choose 1 from: BUS 101, 102 or 103								
4	BUS 146 or BUS 146A & B								
3	CIS 122 (Prereq Required)								
3	CIS 237 (Prereq Required)								
6	IT Electives: Choose 2 courses from: CIS 222** (Prereq), CIS 151* (Prereq), & CIS 120 (Prereq)								
65	minimum credits required for graduation								
									65+

Note: Please review the back of this form for additional information.

Information Technology – Information Systems AAS

Overview: The Information Systems program is intended for students who, upon graduation from ACC, wish to enter the workforce in entry-level information systems positions within the Information Technology field. Its focus is in integrating the use and advantages presented by Information Technology within the corporate organization. Students completing the two-year degree would be entering the workforce as junior level programmers/systems analysts and computer operators. A capstone experience including an internship at an area business helps to anchor the student's academic experience. Students looking to transfer to a four year school after ACC should consider the Computer Science AS degree.

Prerequisites for all Math and Computer Science courses are strictly enforced.

Mathematics:

Students which enter the IT: Information Systems degree without the necessary math prerequisite need to complete MAT 108, Mathematical Functions II, which requires MAT 097, Introduction to Math Functions, within 4 years, Math A Exam within 4 years with a grade of 80 or better, or the permission of the instructor before attempting CIS143, Introduction to Programming. Students should be encouraged to take CIS 122, Intro to Internet Development, while they complete MAT108.

The IT:IS degree requires mathematics up through Mat 119, Finite Mathematics, which has a prerequisite of MAT 108 with a Grade of C or better or Regents Math B with a Score of 070.

For CIS 143, Introduction to Programming, mathematics prerequisites include: Regents Math B with a Score of 070 or MAT 108 or MAT 123, Pre-Calculus, or MAT 131, Calculus I, or MAT 132, Calculus II.

Students must take MAT 119 prior to or during the same semester as CIS 144, Intermediate Programming in Windows.

Computer Science:

CIS 122 should be taken during the student's first semester. It is a 'gentle' introduction to programming.

A student must complete CIS 143 with a grade of C or better to register for CIS 144.

A student must successfully complete CIS 143 to register for CIS 150, Topics in Computing.

CIS 151, Server Side Scripting, is offered once a year, during the fall semester. This course requires either CIS 143 or CIS 122.

The internship, CIS 178, should be taken the last semester of the student's enrollment at ACC.

Due to changes in CIS144, CIS 221, Visual Programming in a windows environment will not be offered this fall.

CIS 222, Programming in Java, requires CIS144 and is only offered once a year, during the spring semester.

CIS 231 - Systems Analysis and Design, requires any two of the following courses: CIS 137, LAN Switching and Wireless (CCNA3), CIS 144, CIS 151, CIS 221 or CIS 222. This course is offered spring only.

CIS 237, Database Management Systems, requires either: CIS 125, Office Productivity Software, or CIS 150 or CIS 143.

English:

It is highly recommended that students take Eng 110 - Writing/Technical as their second English course.

Marc Guise, Spring 2008, Ext. 2331 or guisem@sunyacc.edu, SLC129.

Notes on Information Technology - Information Systems

❖ **Financial Aid Recipients:** You **must** choose courses that are within your degree program. Visit the Advisement Center in Warren Hall if you have any questions.

Definition of Terms:

Social Science - ANT, ECO, HIS, HED103, PSC, PSY, and SOC.

Math & Science - ANT103, AST, BIO, CHM, GEO, MAT, PHY, EGR 105, 106, & 204, and SCI.

Humanities - ENG 200 level, ART, ASL, FRN, GRM, INT, MUS, PHI, RUS, SPA, SPH, and THR.

Liberal Arts - Any of the above courses and COM 183.

Electives - Any credit course offered by the College.

Physical Education - Two credits are required. PED 105, 172, 210, 211, and 212 are NOT activity courses.

Continued on back

RECOMMENDED SEQUENCES

FIRST YEAR

First Semester

1-4	HRD 100A, 100, or 110
3	ENG 101 OR 100A&B
3	CIS 122
3	MAT 119
3	Bus Elective
1	BUS 118
3	IT Elective

Second Semester

3	ENG 102 - 110 (110 Recommended)
3	CIS 143
3-4	Lab Science
3	CIS 131
4	BUS 146 or BUS 146A & B

SECOND YEAR

Third Semester

3	IT Elective
3	CIS 144
3	Social Science Elective
3	SPH 111
1	PED
3	CIS 150

Fourth Semester

3	CIS 237
3	CIS 231
3	CIS 178
3	Liberal Arts Elective
1	PED
3	Social Science Elective

Additional Information:

***offered each Fall**

****offered each Spring**

Competency Areas: (See the SUNY Gen Ed Requirements per current catalog)

# 1 Mathematics	# 6 Other World Civs
# 2 Natural Science	# 7 Humanities
# 3 Social Science	# 8 The Arts
# 4 American History	# 9 Foreign Language
# 5 Western Civ	# 10 Basic Communication