COMPUTER SCIENCE
ASSOCIATES IN SCIENCE DEGREE
SAMPLE SEQUENCE MAP

This form is designed to be used in partnership with academic counselors. Modifications may be necessary to meet your goals. Seek assistance from an academic counselor each semester to stay on track to completion of major/certificate. There are 3 General Education patterns available. Not all courses on the map are offered every term. Consult the Catalog and the Schedule of Classes for more details.

	0-15 UNITS	Pre-req/Co-req	Credits	GE
Semester 1	Area IA: English Composition: *ENGL 122 – First-Year College Composition and Reading*	Placement	3	IA
	COMSC 110 – Introduction to Programming		4	
	Degree Applicable Elective		4	
	Area IC: Mathematics Comprehension – MATH 192, 193 or 195	Placement. See catalog	4	IC
		Total	15	

	16 – 30 UNITS	Pre-req/Co-req	Credits	GE
Semester 2	Area IB: Communications and Analytical Thinking		3	IB
	COMSC 210 – Program Design and Data Structures		4	
	COMSC 165 – Advanced Programming		4	
	Area IV: Social and Behavioral Sciences		3	IV
	Degree Applicable Elective		1	
		Total	15	

	31 – 45 UNITS	Pre-req/Co-req	Credits	GE
Semester 3	Area III: Arts and Humanities		3	III
	COMSC 260 – Assembly Language Programming/ Computer Organization		4	
	Degree Applicable Elective		8	
		Total	15	

	46 – 60 UNITS	Pre-req/Co-req	Credits	GE
Semester 4	Degree Applicable Elective		7	
	Area II: Natural Sciences – PHYS 130 or 230	See catalog	4	II
	COMSC 200 – Object Oriented Programming **OR** COMSC 256 advanced Java Programming	See catalog	4	
		Total	15	

Program Total: 60 units

SAMPLE

This sheet is intended as a tool for students that are exploring and/or testing out their major options. If you know what major you want to focus on, the classes you choose should be in line with your certificate/degree/transfer goals and you should choose your courses in consultation with a counselor.

Recommended First Semester

Information Technology, Business and Economics

"I am interested in new technology, business or economics."

Select 1 English Course

Suggested English Courses

- **ENGL 122*** - First-Year College Composition and Reading (Support Course **ENGL 120**)

  or
- **ENGL 122A*** - First-Year College English for Multilingual Students (Support Course **ENGL 120A**)

Select 1 Math Course

Suggested Math Courses

- **Math 142*** - Elementary Statistics with Probability (Support Course **MATH 042**)

  or
- **BUS 240*** - Business Statistics

Select 1 Meta-Major Course

Business

- **BUS 109** - Introduction to Business

Information Technology

- **ARTDM 214*** - Introduction to Graphic Design
- **CIS 115** - Microsoft Word: Comprehensive
- **COMSC 101** - Computer Literacy
- **GEOG 120*** - Physical Geography
- **LT 101** - Foundations of Library and Information Services
- **MUSX 110*** - History of Electronic Music

Economics

- **ECON 101*** - Economics of Public Issues

***IGETC approved course**

SAMPLE