



COMPUTER SCIENCE (ASSOCIATE IN ARTS) (01180)

This sample course map does not represent a contract or guarantee of course availability or transfer guarantee, [nor does it replace meeting with a Counselor to discuss your goals and create a custom Student Education Plan](#) designed to fit your unique individual needs.

This plan includes GE recommendations satisfying: [Intersegmental General Education Transfer Curriculum \(IGETC\)](#). [Please see the IGETC for additional GE options.](#)

This plan assumes the student is placed into transfer level Math and English [Southwestern College Graduation, Certificates, and Degree Requirements](#)

1ST SEMESTER			
Course	Course Title	Units	Requirement Area
MATH 130	Introduction to Computer Programming	3	M
MATH 250	Analytic Geometry and Calculus I	5	M, GE 2
ENGL 115	College Composition: Reading and Writing Analytically	4	GE 1A
ANY GE 3A COURSE	Any GE 3A Course	3	GE 3A
TOTAL UNITS		15	

2ND SEMESTER			
Course	Course Title	Units	Requirement Area
MATH 140	Data Structures and Algorithms	3	M
MATH 251	Analytic Geometry and Calculus II	4	M, GE A2
ENGL 116 OR PHIL 103	Critical Thinking and Argument OR Logic and Critical Thinking	3-4	GE 1B
ANY GE 3B	ANY GE 3B	3	GE 3B
TOTAL UNITS		13-14	

3RD SEMESTER			
Course	Course Title	Units	Requirement Area
MATH 252	Analytical Geometry and Calculus II	4	M
AREA 6 IF NEEDED OR MATH 230	Area 6 if needed OR Computer Organization and Architecture	3-5	E
ANY GE 3A OR 3B	Choose one course from either Area 3A or Area 3B	3	GE 3A OR GE 3B
PHYS 270 OR ANY OTHER 5A	Principles of Physics I OR Any other 5A	3	GE 5A
ANY GE AREA 4	Any GE Area 4	3	GE 4A
TOTAL UNITS		16-18	

4TH SEMESTER

Course	Course Title	Units	Requirement Area
MATH 254	Introduction to Linear Algebra	3	M
MATH 265 OR MATH 260	Discrete Structures OR Discrete Mathematics	3	M
BIOL 210 OR ANY OTHER GE 5B/5C	General Zoology OR Any other GE 5B/5C	4	GE 5B/5C
GE AREA 4	Any GE Area 4	3	GE 4
GE AREA 4	Any GE Area 4	3	GE 4
TOTAL UNITS		16	

Requirement Codes:**M: Major Requirement****GE: General Education Requirement****GE Content Areas: A1, A2, B, C, D, OTHER (If needed):****E: Elective**

This map is based off of the 19/20 Catalog year and is subject to change each year.