

SUNY SCHENECTADY
CURRICULUM WORKSHEET

PROGRAM: **COMPUTER SCIENCE (A.S.)**

HEGIS # 5101

Program Code # **79**

Program Entry Date:

Student Name:

Former College(s) Attended:

ID Number:

PROGRAM REQUIREMENTS	CR	GRAD E	GE Complete	SUNY GENERAL ED COMPLIANCE POSSIBILITIES - REFER TO TABLE IN ADVISEMENT MANUAL FOR SPECIFIC COURSES
CIS 133 JAVA	3			
CIS 134 C++/UNIX	4			
CIS 246 Data Structures	3			
ENG 123 College Composition	3			<i>Gen Ed Basic Communication</i>
ENG 124 Literature and Writing	3			<i>Gen Ed Humanities</i>
FYS 100 First Year Seminar	1			
MAT 180 Calculus I	4			<i>Gen Ed Mathematics</i>
MAT 181 Calculus II	4			
MAT 210 Discrete Structures Logic and Proof	3			
Lab Science Elective (a)	4			<i>Gen Ed Natural Science</i>
Lab Science Elective (a)	4			
MAT Elective (b)	3-4			
CIS Elective (c)	3			
MAT/CIS Elective (d)	3-4			
General Elective (e)	3-4			
Western Civ. OR Other World Civ. Gen Ed Elective	3			<i>General Education Western Civ OR Other World Civilizations</i>
American History OR Arts OR Foreign Language Gen Ed Elec.	3			<i>General Education American History OR Arts OR Foreign Lang*</i>
Humanities Elective	3			
Social Science Gen Ed Elective	3			<i>General Education Social Science</i>
General Education Elective (f)	3-4			<i>General Education Elective</i>
Minimum Credit Hours	63			

Additional Comments: Please refer to footnotes on reverse side.

Reviewed by _____

Date _____

**COMPUTER SCIENCE
ASSOCIATE IN SCIENCE**

FIRST YEAR

Fall Semester	CR	Spring Semester	CR
CIS 134 C++/UNIX	4	CIS 246 Data Structures	3
ENG 123 College Composition	3	ENG 124 Literature and Writing	3
FYS 100 First Year Seminar	1	MAT 181 Calculus II	4
MAT 180 Calculus I	4	American History OR Arts OR	3
General Education Elective (e)	3-4	Foreign Lang. Gen Ed. Elective	
	15-16	General Education Elective	3
			16

SECOND YEAR

Fall Semester	CR	Spring Semester	CR
CIS 133 JAVA	3	MAT 210 Discrete Structures: Logic and	3
MAT/CIS Elective (d)	3-4	Proof	
Lab Science Elective (a)	4	CIS Elective (c)	3
Social Science Gen Ed Elective (e)	3	Lab Science Elective (a)	4
Humanities Elective	3	Western Civ OR Other World	
	16-17	Civ Gen Ed Elective	3
		Mathematics Elective (b)	3-4
			16-17

Minimum Credit Hours required for degree: 62

NOTES:

- (a) Laboratory Science Electives: BIO 141-142, BIO 241, CHM 121-122, GEO 143-145, PHY 221-222.
- (b) Mathematics Elective: Some institutions require Linear Algebra (MAT 242) to achieve junior status. Students should contact intended transfer institution for mathematics requirements. Other mathematics elective may include MAT 222 or MAT 240.
- (c) Computer Science Electives: CIS 129 (if taken as a prerequisite for CIS 134), CIS 135, CIS 136, CIS 221, CIS 223, CIS 225, CIS 229, CIS 236, CIS 237, CIS 238, CIS 240, CIS 259.
- (d) Students should carefully review the MAT/CIS requirements of the college to which they plan to transfer before selecting either a MAT or CIS course from those in (b) or (c) above.
- (e) This may be any course with the exception of courses designated in the SCCC Catalog as not satisfying A.A. or A.S. degree program requirements. However, students need to consider the transferability of the course to particular colleges. Depending upon math background, students may take MAT 167 Precalculus with Analytic Geometry as a general elective in the first semester as a prerequisite to the Calculus sequence with no loss in course sequence or credits.
- (f) May be chosen from any approved course in a General Education area.

Humanities elective should be taken to supplement General Education Principles. Electives should be chosen based upon concentration, transfer school prerequisite and interest. Advisor should be consulted.