

SUNY SCHENECTADY
CURRICULUM WORKSHEET

PROGRAM: MATHEMATICS AND SCIENCE (A.S.)

HEGIS # 5649

Program Code # 78

Program Entry Date:

Student Name:
SCCC ID Number:

Former College(s) Attended:

PROGRAM REQUIREMENTS	CR	SUNY GENERAL EDUCATION CATEGORY	SATISFIES LIBERAL ARTS AND SCIENCES
CHM 121 General Chemistry I	4	Natural Sciences and Scientific Reasoning	Yes
CHM 122 General Chemistry II	4	Natural Sciences and Scientific Reasoning	Yes
ENG 123 College Composition	3	Communication: Written and Oral; Information Literacy	Yes
ENG 124 Literature and Writing	3	Humanities; Critical Thinking and Reasoning	Yes
FYS 100 First Year Seminar	1		
MAT 180 Calculus I	4	Mathematics and Quantitative Reasoning	Yes
MAT 181 Calculus II	4	Mathematics and Quantitative Reasoning	Yes
PHY 221 College Physics I	4	Natural Sciences and Scientific Reasoning	Yes
PHY 222 College Physics II	4	Natural Science and Scientific Reasoning	Yes
CIS Restricted Elective (c)	3-4		
Diversity: Equity, Inclusion, and Social Justice SUNY General Education Elective	3	Diversity: Equity, Inclusion, and Social Justice	
MAT Restricted Elective (a)	3-4		Yes
MAT Restricted Elective (a)	3-4		Yes
MAT OR Lab Science OR CIS Restricted Elective (a, b, or c)	3-5		
MAT OR Lab Science OR CIS Restricted Elective (a, b, or c)	3-5		
Social Sciences SUNY General Education Elective	3	Social Sciences	Yes
The Arts OR World Languages SUNY General Education Elective	3	The Arts OR World Languages	
Restricted Elective (a, b, c, or d)	3-5		
World History SUNY General Education Elective	3	World History and Global Awareness	Yes
Minimum Credit Hours	61		
		Total Gen. Ed. Credits 42	Total Number of Liberal Arts and Sciences Credit :42
		Total # of Gen. Ed. Categories 8	

Additional Comments: Please refer to the footnotes on the reverse side.

Reviewed by _____

Date _____

MATHEMATICS AND SCIENCE

ASSOCIATES IN SCIENCE

FIRST YEAR					
Fall Semester		CR	Spring Semester		CR
CHM 121	General Chemistry 1	4	CHM 122	General Chemistry II	4
ENG 123	College Composition	3	ENG 124	Literature and Writing	3
FYS 100	First Year Seminar	1	MAT 180	Calculus 1	4
	MAT Restricted Elective (a)	3-4		The Arts OR World Languages SUNY General Education Elective	3
	CIS Restricted Elective (c) Diversity: Equity, Inclusion, and Social Justice SUNY General Education Elective	3-4 3		World History SUNY General Education Elective	<u>3</u>
TOTAL					17
TOTAL 17-19					

SECOND YEAR					
Fall Semester		CR	Spring Semester		CR
PHY 221	College Physics I	4	PHY 222	College Physics II	4
MAT 181	Calculus II	4		MAT OR Lab Science OR CIS Restricted Elective (a, b, or c)	3-5
	MAT OR Lab Science OR CIS Restricted Elective (a, b, or c) Social Sciences SUNY General Education Elective	3-5 <u>3</u>		MAT Restricted Elective (a) Restricted Elective (a, b, c, or d)	3-4 <u>3-5</u>
TOTAL					13-18
TOTAL 14-16					

Minimum Credit Hours required for degree: **61**

NOTES:

- (a) **Mathematics electives:** MAT 147, MAT 167 (if taken as a prerequisite to MAT 180), MAT 210, MAT 222, MAT 240, MAT 242.
- (b) **Math or Lab Science Electives:** Any of (b) above, BIO 141-142, BIO 203, BIO 241, BIO 261, CHM 228-229, GEO 143, GEO 145, ENV 100 and ENV 105, PHY 223.
- (c) **CIS Electives:** CIS 129 or higher.
- (d) **Critical Thinking Competency** – choose from an approved list of courses.