

225: Liberal Arts and Sciences: Mathematics A S Degree Requirements**Table**

FALL 2020 to CURRENT

ITEM	REQUIREMENT	CREDITS	SEMESTER
1	GCC CORE (LIBERAL ARTS & SCIENCES) LOCAL GENERAL EDUCATION REQUIREMENTS	34	As Listed
1a	MATHEMATICS MAT129 Statistics	3	4th
1b	NATURAL SCIENCE PHY 131 (Fall Only), BIO 115 or CHE 101	4	1st
1c	SOCIAL SCIENCE Select one SUNY Approved Social Sciences Course	3	1st
1d	HISTORY Select one GCC Local General Education History Course	3	3rd
1e	HUMANITIES, ARTS, LANGUAGE Select one SUNY Approved Humanities or SUNY Approved Arts Course	3	4th
1f	BASIC COMMUNICATION 1 ENG101	3	1st
1g	BASIC COMMUNICATION 2 ENG 102	3	2nd
1h	BASIC COMMUNICATION 3 SPE103, 108, or 109	3	1st
1i	LIB ARTS & SCI ELECTIVE PHY 132 (Spring Only), BIO 116 (Spring Only) or CHE 102	4	2nd
1j	SUNY GEN ED SELECTION Select one SUNY Approved Foreign Language Course (per Note 1)	3	3rd
1k	HEALTH/PE/ATH Select any 2 HED/PED/ATH credits	2	3rd
2	PROGRAM REQUIREMENTS	28	As Listed
2a	MAT141 Calculus I	4	1st
2b	MAT142 Calculus II	4	2nd
2c	MAT245 Calculus III (Fall Only)	4	3rd
2d	MAT247 Discrete Math (Spring Only)	3	2nd
2e	MAT255 Differential Equations (Spring Only)	4	4th
2f	Restricted Elective CIS 125, 127 or 219	3	3rd
2g	General Electives	6	4th
3	TOTAL CREDITS REQUIRED TO COMPLETE DEGREE	62	Upon Completion
3a	Semester 1 Total Credits	17	1st
3b	Semester 2 Total Credits	14	2nd
3c	Semester 3 Total Credits	15	3rd
3d	Semester 4 Total Credits	16	4th

ITEM	REQUIREMENT	CREDITS	SEMESTER
4	GENERAL CURRICULUM INFORMATION	0	N/A
4a	Proficiency Requirements: As outlined in Procedure 321-Placement and Proficiency Requirements (see GCC Placement and Proficiency Guide for details), all students are required to demonstrate proficiency in reading, math, and writing skills prior to earning a college degree or certificate from Genesee Community College.	0	Prior to Completion
4b	Note 1: Students having obtained an 85 or higher on the Regents B exam or an 85 or higher on a regional exam aligned with the former regents at Checkpoint B have met the foreign language requirement and may select a language or an additional 3 credit SUNY General Education Elective .	0	Informational Note
4c	Science Sequence: One complete sequence must be taken in PHY 131 and 132 or BIO 115 and 116 or CHE 101 and 102	0	Prior to Completion
4d	GPA of 2.0 Required for graduation	0	Upon Completion