Cleveland State University
College of Sciences and Health Professions
Associate of Science to Bachelor of Science in Mathematics Pathway

SUGGESTED SEQUENCE AT TRI-C#

First Year

Fall Semester	Credits	Spring Semester	Credits
ENG 1010/101H College Composition I*	3	ENG 1020/102H College Composition II*	3
MATH 1610/161H Calculus I*	5	MATH 1620/162H Calculus II*	5
OT36 Natural/Physical Science Elective ** (BS Math science elective recommended)	3	OT36 Natural/Physical Science Elective ** (BS Math science elective recommended)	3
OT36 Arts & Humanities Elective	3	OT36 Social & Behavioral Science Elective	3
		General Elective** (BS Math science elective recommended)	3
Semester Total	**14**	**Semester Total**	**17**

Second Year

Fall Semester	Credits	Spring Semester	Credits
PHY 2310 General Physics I	5	PHYS 2320 General Physics II	5
MATH 2310/231H Calculus III*	4	MATH 2410 **OR** 2520*	3
OT36 Arts & Humanities Elective	3	OT36 Social & Behavioral Science Elective	3
General Elective** (BS Math science elective recommended if not yet satsified)	3	General Elective** (BS Math science elective recommended if not yet satsified)	3
Semester Total	**15**	**Semester Total**	**14**
		Total minimum credits earned at Tri-C	**60**
		Associate of Science Awarded	

Completion of the AS is required. By the end of the 4th semester, students should have completed Tri-C's AS requirements and have earned Junior standing.

SUGGESTED SEQUENCE AT CSU

Third Year

Fall Semester	Credits	Spring Semester	Credits
MTH 220 Intro to Discrete Mathematics*	3	MTH 396 Junior Seminar	2
MTH 286 **OR** 288* (select course not taken previously)	3	MTH 358 Abstract Algebra (recommended as 300-level elective)	3
MTH 300-Level Course^	3	MTH 300-Level Course^	3
Upper-Division General Elective	3	MTH 300-Level Course^	3
General Elective	3	Upper-Division General Elective	3
		General Elective	1
Semester Total	**15**	**Semester Total**	**15**

Fourth Year

Fall Semester	Credits	Spring Semester	Credits
MTH 400-Level Course^	3	MTH 496 Senior Project	3
MTH 400-Level Course^	3	MTH 400-Level Course^	3
General Elective **OR** WAC Elective* (if MTH 358 not taken as recommended)	3	Upper-Division General Elective	3
Upper-Division General Elective	3	Upper-Division General Elective	3
General Elective** (BS Math science elective recommended if not yet satisfied)	3	General Elective** (BS Math science elective recommended if not yet satisfied)	3
Semester Total	**15**	**Semester Total**	**15**
		Bachelor of Science Awarded	**120**

Pre-Requisites: College-ready in MATH and ENG; 2 years of the same foreign language completed in high school

Students who do not meet these pre-requisites may need to complete additional credits

*Grade of "C" or higher required.

**BS in Mathematics students must complete 12 science credits (not including PHY 2310/2320). Tri-C's BIO 1500, 1510, 2331, and 2341; and CHM 1010, 1020, 1300, and 1310 are applicable toward this requirement. If not completed at Tri-C, students should add additional BIO, GEO, EVS, CHM, PHY, or CIS courses (must be at least 200-level). STA 347, 421, 431, 435, 436, and 467 are also applicable toward this requirement.

^STA 323 and 424/425 can be used to statisfy the MTH 300 or 400 level electives requirement

Students who plan to complete an AS at Tri-C, then transfer to CSU to complete a BS are encouraged to enroll in the Tri-C/CSU Dual Enrollment Admission program. This map represents one example of how to complete the AS and BS degrees. Students should work closely with counselors/advisors at both institutions to discuss options.

This Transfer Pathway completes the Associate of Science degree, which must total at least 60 semester credits and includes 36 credits of the Ohio Transfer 36 (OT36, formerly OTM), which are approved Tri-C general education requirements. OT36 details can be found athttps://www.ohiohighered.org/Ohio-Transfer-36.

Students who do not complete the Associate of Science degree or the OT36 are responsible for the completion of the entire General Education Requirements at Cleveland State University.
This information is provided solely for the convenience of the reader, and Cleveland State University expressly disclaims any liability which may otherwise be incurred. This publication is neither a contract nor an offer to make a contract. While every effort has been made to ensure the accuracy of the information, CSU reserves the right to make changes at any time with respect to course offerings, degree requirements, services provided, or any other subject addressed herein.

CSU requires a minimum of 120 total credit hours for graduation. At least 30 credits must be completed in-residence at CSU. At least 24 of the in-residence credits must be completed at the upper division (300/400) level. An overall total of 42 upper division (300/400) level credits are required. Students deficient in total credits or in-residence must take additional elective credits to meet the minimum

Cleveland State University
College of Sciences and Health Professions
Associate of Science to Bachelor of Science in Mathematics Pathway

requirements. Depending upon other elective choices made, students may not need as many general electives as indicated above, or may need additional electives.

Updated October 2019