

DEGREE MAP

The following sequence is an example of how this program can be completed within the recommended time frame. It presumes that all course and program prerequisites have been met. Completion times may vary depending on individual circumstances. Students should consult an advisor when they plan their individual completion path using MyDegreePlan.

Program Name: Mathematics (MAT) - Associate of Science

Locations Offered: Douglas Campus and Sierra Vista Campus

First Semester: Fall

Requirement Category	Course(s)	Delivery*	Credits
Gen Ed-Writ Communication	ENG 101 (SUN# ENG 1101) Composition or ENG 101L Composition with Support Lab	CB, OL	3
Gen Ed-Quant Reasoning	MAT 151 (SUN# MAT 1151) Precalculus Algebra or MAT 151L Precalculus Algebra with Support Lab or higher **	CB, OL	4
Gen Ed-Arts			
Gen Ed-QR or Nat Sci Option	MAT 182 Precalculus Trigonometry	CB, OL	3
Core Curriculum	CIS 130 Programming Logic	CB, OL	3

Second Semester: Spring

Requirement Category	Course(s)	Delivery*	Credits
Gen Ed-Writ Communication	ENG 102 (SUN# ENG 1102) English Composition	CB, OL	3
Gen Ed-Humanities		CB, OL	3
Gen Ed-Social & Beh Sciences		CB, OL	3
Gen Ed-Inst in the Americas		CB, OL	3
Core Curriculum	MAT 220 (SUN# MAT 2220) Calculus I	CB, OL	5

Third Semester: Fall

Requirement Category	Course(s)	Delivery*	Credits
Gen Ed-Natural Sciences	PHY 230 (SUN# PHY 1121) Physics with Calculus	CB, OL	4
Gen Ed-Social & Beh Sciences		CB, OL	3
Core Curriculum	CIS 204 C Programming or CIS 208 Java Programming	CB, OL	4
Core Curriculum	MAT 227 (SUN# MAT 2262) Discrete Mathematics	CB, OL	3
Core Curriculum	MAT 231 (SUN# MAT 2230) Calculus II	CB, OL	4

Fourth Semester: Spring

Requirement Category	Course(s)	Delivery*	Credits
Gen Ed-Natural Sciences	PHY 231 (SUN# PHY 1131) Physics with Calculus II	CB, OL	4
Gen Ed-Social & Beh Sciences		CB, OL	3
Core Curriculum	MAT 241 (SUN# MAT 2241) Calculus III	CB	4
Core Curriculum	MAT 262 (SUN# MAT 2262) Differential Equations	CB, OL	4

Total Credits: 62

*Key: CB=Campus-Based (In Person or Hybrid: Requires attendance at a physical location)

OL=Online (Synchronous, Asynchronous, or Online Combo)

Notes:

**Students are encouraged to complete MAT 151 (SUN# MAT 1151) Precalculus Algebra (4) prior to the first Fall semester.