



YOUR SUGGESTED COURSE MAP

From Associate of Science, General Studies Concentration in Mathematics to Athens State University's Bachelor of Science in Mathematics

Associate of Science General Studies, Mathematics Concentration			
Course Prefix		Course Description	Credit Hours
	ORI 110	Freshman Seminar	1
AREA I	ENG 101	English Composition I	3
	ENG 102	English Composition II	3
AREA II	ART,MUS,THR	Fine Arts Elective	3
	ENG	English Elective*	3
	PHL, SPA, REL, etc.	Humanities Elective	3
	PHL, SPA, REL, etc.	Humanities Elective (Or Second Literature)	3
AREA III	MTH 113	Precalculus Trigonometry	3
	PHY 213	General Physics with Calculus I	4
	PHY 214	General Physics with Calculus II	4
AREA IV	HIS*	History Elective*	3
	HIS, PSY, SOC, GEO, etc.	Social Science Elective (Or Second History Elective)	3
	HIS, PSY, SOC, GEO, etc.	Social Science Elective	3
	HIS, PSY, SOC, GEO, etc.	Social Science Elective	3
AREA V	CIS 251	C++ Programming	3
	MTH 125	Calculus I	4
	MTH 126	Calculus II	4
	MTH 227	Calculus III	4
	MTH 237	Linear Algebra	3

*A course sequence in either literature or history is required.

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Bachelor of Science in Mathematics

(With Required Minor)

Course Prefix	Course Description	Credit Hours
UNV 300	Pathways to Success	3
ITE 301	Problem Solving with Computers <i>(Unless CIS 146 was completed at the community college level)</i>	3
CS 317	Computer Science I	3
MA 308	Discrete Mathematics	3
MA 310	Matrices & Linear Algebra <i>(Unless MTH 237 was completed at the community college level)</i>	3
MA 320	Introduction to Abstract Algebra	3
MA 314 or MA 321	College Geometry or Differential Equations <i>(Unless MTH 238 was completed at the community college level)</i>	3
MA 330	Advanced Mathematical Software	3
MA 331 or MA 431	Applied Probability & Statistics or Introduction to Mathematical Statistics	3
MA 470	Senior Mathematics Seminar	3
UNV 400	Career Seminar	1
Mathematics Electives	Choose three courses from Approved Mathematical Electives.	9
Required Minor	Required Minor Courses	Up to 18
Electives	Elective hours to meet graduation requirements	As needed

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