

Mathematics Program Benefits

Degree	Subject Skills	Transferable and Marketable Skills	Possible Careers
BA	Statistics	Data analysis and project development	Actuary; data analyst; risk analyst; financial analyst; statistician
	Number theory	Study of techniques for secure communication	Cryptoanalyst and network engineer; computer scientist
	Applied mathematics	Qualitative and quantitative analysis	Government and industrial operation research analyst
	Mathematical modelling	Modelling and problem solving	Forecasting
	Computer science	Computing and programming	Computer programmer
BS	Statistics	Data analysis and project development	Actuary; data analyst; risk analyst; financial analyst; statistician
	Number theory	Study of techniques for secure communication	Cryptoanalyst and network engineer; computer scientist
	Applied mathematics	Qualitative and quantitative analysis	Government and industrial operation research analyst
	Mathematical modelling	Modelling and problem solving	Forecasting
	Computer science	Computing/programming	Computer programmer
BA7-12	Mathematics and pedagogy	Educational methods and skills	K-12 mathematics teacher; data scientist
	Applied mathematics	Qualitative and quantitative analysis	Government and industrial operation research analyst
	Applications of mathematics	Mathematics teaching	School administrator
	Computer science	Computing programming	Computer programmer
	Critical mathematics pedagogy	Mathematical problem solving	Federal, state, and local government agencies
MS	Statistics	Data analysis and programming	Actuary; data analyst; risk analyst; financial analyst; statistician
	Number theory	Study of techniques for secure communication	Cryptoanalyst and network engineer; computer scientist
	Applied mathematics	Qualitative and quantitative analysis	Government and industrial operation research analyst
	Mathematics and pedagogy	Educational methods and skills	K-12 mathematics teacher; college mathematics instructor
	Analytical computations	Precise reasoning (e.g., legal analysis)	Federal, state, and local government agencies
PhD (not @ TAMIU)	Applied-statistics	Computer programming	Actuary or risk analyst; college professor;
	Functional analysis	Quantitative analysis	Govt. Cryptoanalyst; govt. or industry statistical analyst;
	Applied and pure mathematics research	Research and project development	financial analyst; mathematician
	Applied-statistics	Journal and textbook Publishing	Textbook publishers
	Project undertakings	Analytical capabilities	Federal, state, and local government agencies