Certificate in Mathematics for Professionals and Educators
at Bowling Green State University

Description: This 18-hour graduate-level certificate program is designed for professionals working in a field aligned with mathematics, especially professional educators who need to deepen and broaden their knowledge and skills in mathematics to remain competitive in their current positions and/or expand their career horizons. In recent semesters, we have offered a selection of online or remote courses that made it possible to complete the certificate. The three-hour courses listed below will count for CCP credentialing in high schools that partner with BGSU. Contact Ben Ward, Graduate Coordinator in Mathematics and Statistics, by email at benward@bgsu.edu for more information.

Name: _____   **Your Advisor's Name: _____**

Semester	Year	Electives (Choose at least 6; with <u>at least 3</u> from the first block of courses listed below)*
		MATH 6020 Geometric Problems and Misconceptions (Online or In-Person)
		MATH 6030 Algebraic Problems and Misconceptions (Online)
		MATH 6280 Topics in Mathematics Education (In-Person)
		MATH 5010 Number Theory (In-Person)
		MATH 5340 Advanced Calculus (In-Person) ♣
		MATH 5410 Probability and Statistics I (Remote [Summer], In-Person [Fall]) ♦
		MATH 5650 Introduction to Real Analysis I (Remote [Summer], In-Person [Fall]) ♣
		MATH 5820 Topics in Mathematics, Topic: _____(Online and/or Remote)
		MATH 6820 Topics in Mathematics, Topic: _____(Online and/or Remote)

Semester	Year	
		MATH 5020 Modern Geometry (In-Person)
		MATH 5030 Modern Algebra I (In-Person)
		MATH 5040 Modern Algebra II (In-Person)
		MATH 5110 History of Mathematics (Online)
		MATH 5170 Advanced Mathematics & the Early Adulthood Context (Online)
		MATH 5250 Theory of Interest (In-Person)
		MATH 5320 Linear Algebra with Applications (In-Person)
		MATH 5420 Probability and Statistics II (In-Person) ♦
		MATH 5450 Applied Probability (In-Person) ♦
		MATH 5470 Exploratory Data Analysis (Online) ♦
		MATH 5510 Numerical Analysis (In-Person)
		MATH 5610 Introduction to Complex Analysis (In-Person) ♣
		MATH 5820 Topics in Mathematics, Topic: _____(Online and/or Remote)
		MATH 6820 Topics in Mathematics, Topic: _____(Online and/or Remote)

Other electives (must be approved by Advisor & Graduate Coordinator)

				_____
				_____

18 Total Required Credits.

Note: Students who attended BGSU as an undergraduate cannot get credit for both the 4000 and 5000 level version of cross-listed courses; this applies in particular to MATH 4020/5020, 4110/5110, and 4170/5170.

Some recommendations for CCP teachers depend on the courses one intends to teach:
♦These courses are recommended for CCP teachers interested in teaching Elementary Statistics.
♣These courses are recommended for CCP teachers interested in teaching Calculus.