

PURE MATHEMATICS GRADUATE CERTIFICATE

Students pursuing a graduate certificate in Pure Mathematics need to complete four graduate-level courses (16 credit hours). They will choose four out of the following six courses:

Course	Title	Quarter Hours
Select four of the following:		16
MAT 434	TOPOLOGY	
MAT 435	MEASURE THEORY	
MAT 436	FUNCTIONAL ANALYSIS	
MAT 471	GROUP THEORY	
MAT 472	FIELDS AND GALOIS THEORY	
MAT 473	RINGS AND MODULES	

In special circumstances and with approval of the graduate program director, some of these courses can be substituted with other relevant courses.

Students in this certificate program must earn a grade of C- or higher in all graduate courses and finish with a cumulative GPA or 2.0 of higher.

The requirements for admission into this certificate program are:

- Bachelor's degree from an accredited institution
- Successful completion (with a grade of C- or higher) of the following undergraduate coursework:
 - A year of single-variable calculus (equivalent of MAT 150-151-152)
 - A course in multivariable calculus (equivalent of MAT 260 or MAT 640)
 - A course in linear algebra (equivalent of MAT 262 or MAT 672)
 - A course in abstract algebra (equivalent of MAT 310 or MAT 670-671)
 - A course in real analysis (equivalent of MAT 335 or MAT 680)

The admission process and review of applicants is managed by the Office of Graduate Admission via the online application and follows procedures similar to those used for existing graduate programs offered by the Department of Mathematical Sciences.