

Certification in Secondary Mathematics for Graduate Students

Any student with a Bachelor's Degree with at least a 2.70 GPA is eligible to apply for the Certification Program in Secondary Mathematics. Steps that need to be taken:

- 1) Apply to the Graduate School and check off Certification Program, Secondary Mathematics. Applications are available in the Graduate School or online at www.ccsu.edu/grad/applying.htm
- 2) Your transcripts will be reviewed in the Department of Mathematical Sciences to determine if additional undergraduate mathematics courses must be taken. (Please see required list "A" of courses below.)
- 3) Your transcripts will be reviewed in the School of Education to determine if additional general education courses must be taken. (Please see required list "B" of courses below.)
- 4) You will be sent a letter that informs you whether or not you have been accepted into the Graduate School.
- 5) If you have been accepted, you will be assigned an advisor. It is strongly recommended that you immediately contact your advisor to establish a final program that will result in your certification. In this program a number of required courses can be taken at the undergraduate level or the graduate level. If you plan to earn a Master's Degree at CCSU, it is in your best interest to take as many of these as possible at the graduate level. Your advisor can help you choose the appropriate classes as you progress through the program.
- 6) You and your advisor will determine when you apply to the Professional Program, but generally this occurs once the majority of your mathematics and general education courses are completed. Applications to the Professional Program are available in the information racks outside the Dean's Office (HB 248) and on the CCSU School of Education and Professional Studies Web site at www.education.ccsu.edu
- 7) At least one semester before you plan to apply to the Professional Program, either take the Praxis I exam, or obtain a waiver from the State Education Department if you are eligible. If you plan to take the Praxis I exam, information can be found at : www.ets.org/praxis . Eligibility information and/or information on reporting SAT, ACT and PAA scores to the Connecticut State Department of Education for the purposes of obtaining this waiver can be found at www.sde.ct.gov/sde/cwp/view.asp?a=2613&q=321216
- 8) Once accepted into the Professional Program, most students complete the remaining required coursework in three semesters.

Professional Program for 7-12 Mathematics Certification
(Courses marked with ⊕ may also be counted towards the MS in Mathematics)

EDTE 316		4 credits	
EDF 415		3 credits	
SPED 501		3 credits ⊕	
RDG 506		3 credits ⊕	
MATH 413		4 credits	} must be taken together
EDSC 425		3 credits	
EDSC 435	Student Teaching	9 credits	} must be taken together
MATH 426	Student Teaching Seminar	1 credit	

Mathematics Methods Courses

MATH 327	Curriculum & Technology in Secondary Mathematics I (focus on Algebra)	3 credits
<u>OR</u>		
MATH 543	Secondary School Algebra with Technology from an Advanced Viewpoint	3 credits ⊕
<u>AND</u>		
MATH 328	Curriculum & Technology in Secondary Mathematics II (focus on Geometry)	3 credits
<u>OR</u>		
MATH 544	Secondary School Geometry with Technology from an Advanced Viewpoint	3 credits ⊕

*The Praxis II Exam, #0061: Mathematics: Content Knowledge, is also required for certification. Information about both the Praxis I and Praxis II exams is available at: www.ets.org/praxis

A) Undergraduate Mathematics Requirements* (30 credit minimum)

MATH 152	Calculus I	4 credits
MATH 218	Discrete Mathematics	4 credits
MATH 221	Calculus II	4 credits
MATH 228	Linear Algebra	4 credits
MATH 366	Introduction to Abstract Algebra	4 credits
MATH 383 or MATH 525	Geometry	3 credits ⊕
MATH 377	Introduction to Real Analysis	4 credits
STAT 314	Statistics for Secondary Teachers	3 credits

* Equivalent courses can be counted in lieu of any of the courses on the list with permission of the department chairperson.

B) Undergraduate General Education Requirements

39 Credits distributed over 5 out of 6 different study areas:

- a) English
- b) Natural Sciences
- c) Mathematics
- d) Social Studies (including American History and Life Span Psychology)
- e) World Language
- f) Fine Arts

For answers to any additional questions, please contact

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