## Department of Mathematics and Statistics: Doctoral Plan Of Study

Student:	Progra	m: Ph.D. in C	Computational Mathematics
Advisor:			
	Coursework (minimum 48	CREDIT HOUR	s)
			Semester & Year
Choose at least 48 credit	hours of approved coursework	ζ.	
STA 642 Statistica	al Computing		
STA 651 Mathema	atical Statistics		
STA 652 Mathema	atical Statistics		
STA 661 Advanced	d Statistics in the Behavioral	and Biological	Sciences I
STA 662 Advanced	d Statistics in the Behavioral a	and Biological S	Sciences II
STA 671 Multivari	iate Analysis		
STA 673 Statistica	al Linear Models		
STA 675 Advanced	d Experimental Design		
STA 676 Sample S	Survey Methods		
MAT 701 Graduat ( credit hours	te Seminar in Computational (	Mathematics	
STA 701 Seminar ( credit hours	in Computational Statistics )		
MAT 709 Topics is ( credit hours	n Computational Mathematic )	S	
STA 709 Topics in ( credit hours	Computational Statistics		
MAT 721 Mathem	natical Cryptography		
MAT 723 Numeric	cal Mathematics		
MAT 724 Numerio	cal Mathematics		
MAT 726 Finite E	Element Methods		
MAT 727 Linear A	Algebra and Matrix Theory		
MAT 728 Linear A	Algebra and Matrix Theory		
MAT 731 Combina	atorics		
MAT 732 Graph T	Theory		
MAT 735 Ordinar	y Differential Equations		

	MAT 736 Partial Differential Equations		
	MAT 737 General Topology		
	MAT 738 General Topology		
	MAT 740 Modern Abstract Algebra		
	MAT 741 Modern Abstract Algebra		
	MAT 742 Computational Number Theory		
	MAT 743 Complex Analysis		
	MAT 745 Real Analysis		
	MAT 746 Real Analysis		
	MAT 747 Computational Topology		
	MAT 748 Computational Algebra		
	MAT 790 Directed Doctoral Research ( credit hours)		
	MAT 799 Dissertation ( credit hours)		
Choos	se additional electives that do not count toward the required	d 48 hours.	
	MAT 595 Mathematical Analysis		 
	MAT 596 Mathematical Analysis		
	MAT 601 Seminar in the Teaching of Mathematics I		
	MAT 602 Seminar in Mathematical Software		 
	MAT 603 Practicum in the Teaching of Mathematics		

## PRELIMINARY EXAMINATION

		Month & Year
Written component Chose to	vo areas.	
Mathematical Analysis		
Linear Algebra and Matr		
Mathematical Statistics		
Oral component		
	Dissertation Research	
Include 18–21 credit hou	rs of MAT 799 Dissertation in req	uired 48 hours.
Dissertation	committee:	(Chair)
Oral topic proposal and o	defense	
Written dissertation rese	arch outline	
Oral dissertation present	ation and defense	
	SIGNATURES	
Sign and print below.		
Student:	Date:	
DGS:		