

2004

**Assistantships
and
Graduate
Fellowships**
*in the
Mathematical Sciences*

American Mathematical Society

*Compiled under the direction of
the Annual Survey Data Committee,
sponsored by the AMS, ASA, IMS, and MAA*

This publication is under the direction of the AMS-ASA-IMS-MAA Data Committee. Members of the committee are: Amy Cohen-Corwin, Donald M. Davis, Nicholas M. Ercolani, J. Douglas Faires, Alexander J. Hahn, Naresh Jain, Stephen F. Kennedy, Ellen E. Kirkman (chair), David J. Lutzer, James W. Maxwell (*ex officio*), and Polly Phipps.

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CONTENTS

Foreword	v
Current Employment Trends in the Mathematical Sciences	vii
Introduction	
Organization of This Book	xi
Assistantships and Graduate Fellowships	1
Stipends for Study and Travel	
Graduate Support	101
Travel and Study Abroad	103
Study in the U.S. for Foreign Nationals	104
Sources of Fellowship Information	105

FOREWORD

This is the seventeenth issue of *Assistantships and Graduate Fellowships in the Mathematical Sciences* (A&GF). This publication is primarily intended as a convenient source of comparative information on graduate programs in the mathematical sciences for prospective graduate students and their advisors. Its contents will also be useful to others in the mathematical community who are interested in support patterns for graduate education. The A&GF is a complement to the annual Society publications, *Combined Membership List* (CML) and *Mathematical Sciences Professional Directory*.

Information in the A&GF was provided by departments in response to a survey questionnaire mailed in late spring 2004. For a copy of the survey questionnaire used to compile this publication, please visit the AMS website at www.ams.org/employment/2004agf-webform.pdf. The data describe assistantship and fellowship support provided for the academic year 2004–2005. The publication and distribution schedule is designed to provide timely information to applicants for graduate programs and for support for study beginning in the fall of 2005.

Free copies of A&GF are sent to institutional members of the AMS and to other departments of mathematical sciences at four-year institutions listed in the *Professional Directory*. Individual AMS members may request a free copy by returning the form included with their first member dues notice mailed in July.

We continue to welcome comments and suggestions concerning the contents of future issues of the A&GF. Suggestions may be sent to Dr. James W. Maxwell, American Mathematical Society, 201 Charles Street, Providence, RI 02904-2294.

Ellen E. Kirkman, Chair
AMS-ASA-IMS-MAA Data Committee

Current Employment Trends in the Mathematical Sciences

This article provides those considering doctoral study in the mathematical sciences with perspectives on the job market for new doctoral recipients. The AMS Committee on the Profession initiated this article in the 1994–95 issue of *A&GF* in order to fulfill what it saw as a responsibility to provide students with the best information possible with which to make decisions about their future study and career plans. The article has been updated for this year's issue to include current data.

One of the difficulties with providing current or future graduate students with information on what their career prospects might be is that future employment trends are notoriously hard to predict. Therefore, we do not attempt here to predict the future job market in the mathematical sciences. The best we can do is try to provide as complete a picture as possible of the current job market.

Mathematics itself is a vibrant area, full of exciting challenges in research, applications, and teaching. The vitality of the field depends to a great extent on an influx of talented young people.

Data on unemployment has been a focus of the Annual Survey of the Mathematical Sciences, sponsored by the American Mathematical Society, American Statistical Association, Institute of Mathematical Statistics, and Mathematical Association of America. The results of this survey are the source of the data presented in this article and are available on the AMS website at www.ams.org/employment/surveyreports.html.

Whether or not to embark on graduate studies in the mathematical sciences is a highly individual choice. We urge students contemplating graduate school to talk over the information in this article, as well as other more personal considerations, with appropriate faculty in their departments.

How Is the Current Job Market?

Figure 1 shows the unemployment rate for new doctoral recipients in the mathematical sciences from fall 1979 to fall 2003. Although the unemployment rate fluctuated during the late 1970s and most of the 1980s, it remained well below 5.0% until 1990. With the problems associated with the entire U.S. economy in the early 1990s, the unemployment rate rose steadily until it reached an all-time high of 10.7% in 1994 and held at that rate through 1995. It began to decrease in 1996 and has fluctuated between 3.3% and 4.9% since 1997. This year's figure of 5.0% is the highest unemployment rate reported since 1996, when it was 8.1%.

In addition to new doctoral recipients who are without employment entirely, there is a group that could be considered “underemployed”. For new doctoral recipients in the mathematical sciences who are seeking an academic career, the most desirable type of initial academic position is either a tenure-track position or a multi-

Figure 1: Percentage of New Doctoral Recipients Unemployed, Fall 1979 to Fall 2003

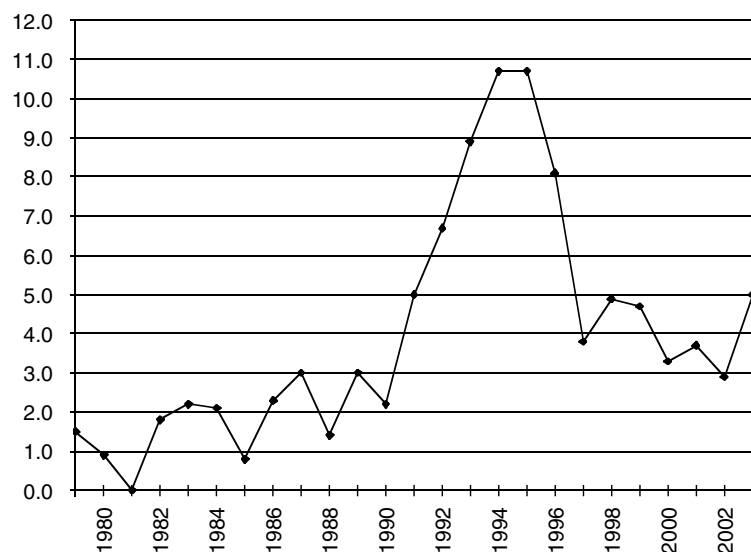
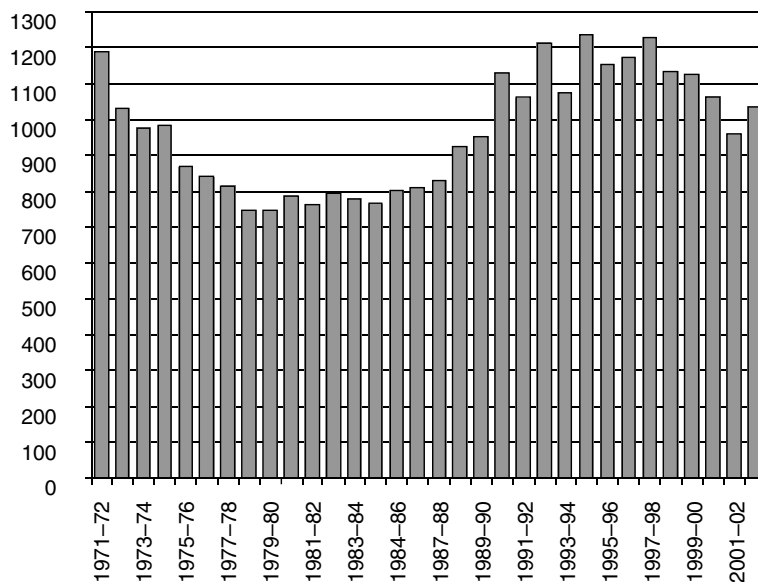


Figure 2: Total Number of New Doctoral Degrees Granted in the U.S. in the Mathematical Sciences, 1971–72 to 2002–03



year postdoctoral appointment. What happened for much of the 1990s is that increasing numbers of new doctoral recipients in the mathematical sciences were hired for one-year jobs in colleges and universities. Such positions have been a matter of great concern within the mathematical community, because they typically do not provide the support and stability that are so important when new doctoral recipients are trying to establish their careers. For those receiving doctorates during the 2002–03 academic year who took academic employment in the U.S., just over 40% reported finding positions that were tenured or tenure-track.

One of the biggest problems in the job market over much of the 1990s was that a sizable number of job seekers in the market were people who had a succession of temporary jobs and who were unable to obtain a tenure-eligible position. Each year's crop of new doctoral recipients must compete for jobs with those who are coming off these temporary positions. Collecting data on

this aspect of the market is beyond the scope of the Annual Survey.

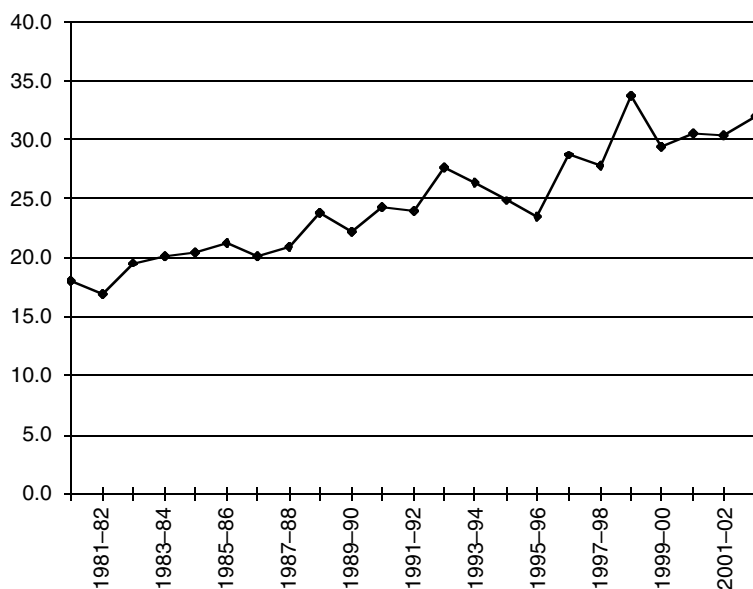
How Many Doctorates Are Granted Each Year?

Figure 2 shows the total number of new doctoral recipients in the mathematical sciences produced by U.S. institutions from 1971–72 to 2002–03. Although the number of new doctoral recipients leveled off from the late 1970s to the late 1980s, the 1990s had a significant rise back to the level of the early 1970s. The current decade is starting to show a downward trend in the number of new doctoral recipients. Some of this decrease may be a response to the high unemployment rates in the early to mid-1990s, which

may have deterred some individuals from making the decision to pursue a Ph.D.

The numbers in Figure 2 include all U.S. and non-U.S. citizen new doctoral recipients. The mix has shifted greatly, from about 75% of doctorates

Figure 3: Percentage of Female New Doctoral Recipients in the U.S. in the Mathematical Sciences, 1980–81 to 2002–03



awarded to U.S. citizens in the mid-1970s to only about 50% today.

Other Characteristics about New Doctoral Recipients

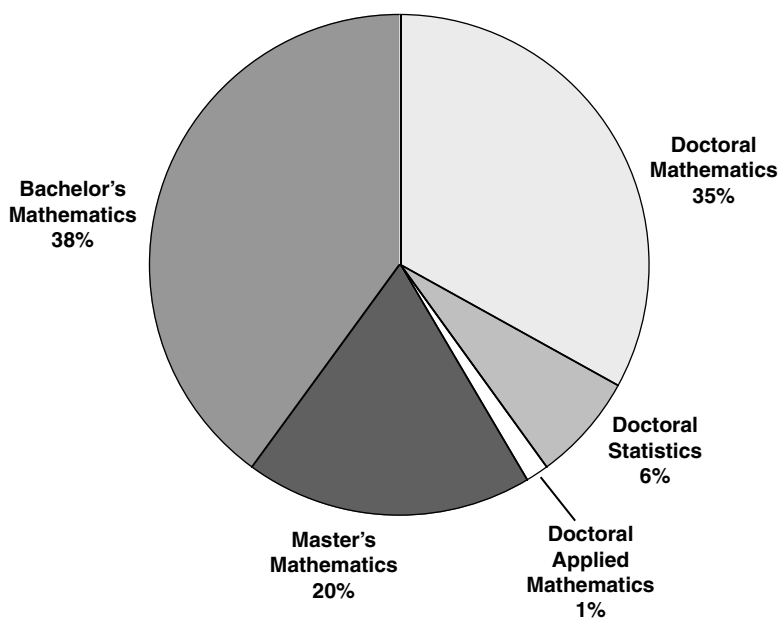
The number of females receiving doctorates has dramatically increased over the last couple of decades. Figure 3 shows that the percentage of female new doctoral recipients continues to increase gradually. Females accounted for 30% of the 2002–03 new doctoral recipients.

Figure 4 gives the age distribution of 551 of the 2002–03 new doctoral recipients who responded to a survey question asking for their age at the time they completed their doctorate. The median age of new doctoral recipients was 30, while the mean age was 32. These figures are the same as those reported last year and very similar to those reported in previous years.

Employment Options for Mathematicians

For those who eventually obtain employment in the mathematics departments of colleges and

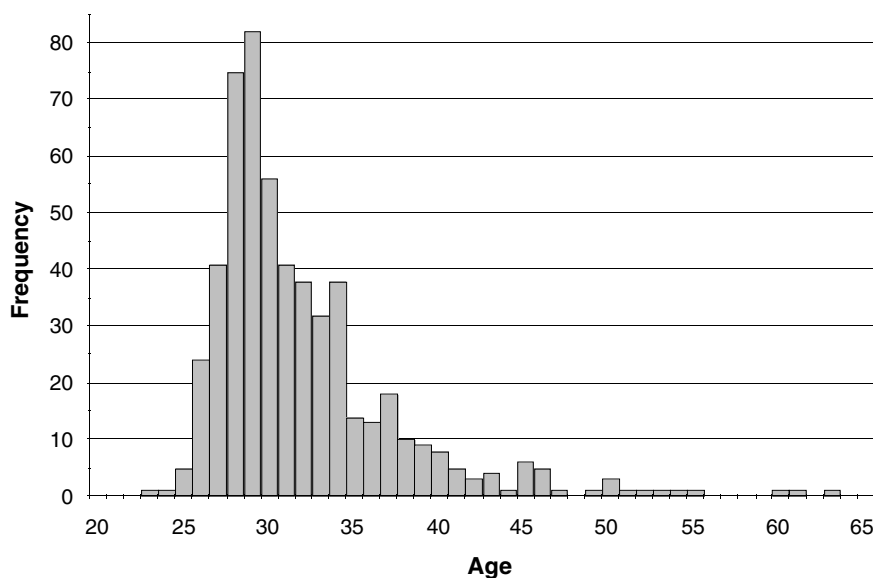
Figure 5: Percentage of Total Full-Time Faculty by Highest Degree-Granting Department, Fall 2003



universities, there are a wide variety of positions to consider. A small number of new doctoral recipients who are most interested in teaching may find a career at the community college level. Most, however, will find themselves at bachelor's, master's, and doctoral degree-granting mathematics departments.

(Departments are grouped according to the highest degree granted by the department.) Figure 5 shows the distribution of the approximately 20,000 full-time faculty in U.S. mathematical sciences departments in fall 2003 by the highest degree granted by their employing department. For definitions of the various groups, including a complete listing of the doctoral degree-granting mathematics departments that comprise the traditional Groups I, II, and III,

Figure 4: Age Distribution of New Doctoral Recipients, 2002–03



visit the AMS website for the Annual Survey at www.ams.org/employment/surveyreports.html.

Based on figures available since the late 1970s, the percentage of new doctoral recipients in the mathematical sciences finding employment outside of academia (business, industry, and government) in the U.S. remained below 20% during most of the 1980s and early 1990s. While this percentage had been showing significant increases, averaging around 30% in the late 1990s, it has been decreasing steadily over the last four years. This year's percentage of 19% continues this downward trend and reflects over a 50% decrease since 2000. If you believe that you may want to pursue a career in business and industry, it is important to seek a graduate program that will provide you with a versatile foundation in mathematics as well as skills in communication, teamwork, and problem solving. To better understand the possibilities available in industrial employment, visit the AMS website on careers at www.ams.org/careers.

Demand for New Doctoral Recipients in the Mathematical Sciences

The AMS has avoided making predictions of future demand for new doctoral recipients in the mathematical sciences, because past history has shown that such forecasts have not been useful. Unpredictable factors involving the national economy, the status of higher education, and even the world political situation can come into play, rendering even the most careful forecasts unreliable.

The AMS Welcomes Graduate Students

When you enroll as a full-time graduate student at a U.S. institution, a lifelong relationship with the American Mathematical Society will begin, since most of these institutions provide free AMS nominee memberships to their mathematics graduate students during every year of study. We look forward to welcoming you into the profession, and we encourage you to consider, early in your career, membership in other important mathematical sciences organizations, including the American Statistical Association, the Institute for Mathematical Statistics, the Mathematical Association of America, and the Society for Industrial and Applied Mathematics.

INTRODUCTION

ORGANIZATION OF THIS BOOK

In presenting the information on each department, our goal has been to keep the layout compact, but easy to read. The following brief description of the conventions used should help in using this publication.

U.S. institutions are listed alphabetically by state, followed by Canadian institutions.

“Master’s only”

A “yes” following “Master’s only” indicates that the highest degree granted by the department is a Master’s degree.

“Stand alone”

A department whose highest degree granted is a Master’s or a department whose program is designed specifically for students who at the time of admission do not intend to pursue a doctorate in the department. The following abbreviations are used to indicate what type of Master’s program(s) offered by that department:

PM	Pure Mathematics
AM	Applied Mathematics
K–12	K–12 Teaching
2T	2-Year College Teaching
AS	Actuarial Science
ST	Statistics
OR	Operations Research
CS	Computer Science
OT	Other

“Faculty”

The number following “Faculty” is the number of faculty members who are tenured or tenure-track full-time employees in the institution and at least half-time in the department.

“Tenured”

The number following “Tenured” is the number of faculty members who are tenured full-time employees in the institution and at least half-time in the department.

“Published”

The number following “Published” is the number of tenured faculty reported who have published a scholarly paper or book in the last three years.

“Graduate Students”

The numbers following “Graduate Students” are, respectively, the number of graduate students in the department who are part-time, full-time (including teaching assistants), full-time and in their first year in the department.

“TYPE OF ASSISTANCE” column

The total number receiving support and the number of these that are new graduate students appear in parentheses, separated by a colon, after each type of graduate student assistance offered.

“SERVICE REQUIRED” column

A number with a “c” for an exponent represents contact hours of teaching.

“HEALTH INSURANCE” column

This is the monthly estimated amount for individual coverage to be paid by the individual. “No” means that health insurance is not available. “Yes” means that health insurance is available but no dollar amount was provided.

“Internship”

A “yes” after “internship” indicates that the department has a graduate program that includes internship or consulting opportunities for their students.

“Foreign Languages”

The number following “Foreign Languages” is the number of foreign languages in which Ph.D. students are required to demonstrate

reading knowledge. “—” means no information was provided.

“DEGREES AWARDED” column

The following conventions and abbreviations have been used:

Bachelor’s by dept.

Number of bachelor’s degrees awarded by the department

Master’s by dept.

Number of master’s degrees awarded by the department

Ph.D. (01/04)

Doctoral degrees awarded during the last three years (2001–2002, 2002–2003, and 2003–2004)

AM	Applied Mathematics
ANT	Algebra or Number Theory
B	Biostatistics
DMC	Discrete Mathematics or Combinatorics
GT	Geometry or Topology
L	Logic
LNO	Linear or Nonlinear Optimization
NA	Numerical Analysis
P	Probability
RCA	Real or Complex Analysis
S	Statistics

Mathematical Sciences Assistantships and Graduate Fellowships

for Graduate Study at Universities in 2004–2005 for new students, first year or above

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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ALABAMA

Auburn University, Auburn 36830

MATHEMATICS AND STATISTICS			Applications due: 1		Bachelor's by dept. 11
Michel Smith, Chair			Contact number: 334-844-4290		Doc. (01/04) ANT 2, RCA 1,
Faculty 53, Tenured 48, Tenured faculty who published 47			Internship: yes		GT 2, P 1, DMC 6, NA 1.
Graduate Students: part-time –; full-time 74; full-time first year 15			Foreign languages: 1		Total: 13
Teaching Assistantship (74:15)	10320–20640	9 200	20 Grade, teach	100	

University of Alabama at Birmingham 35294-1170

MATHEMATICS (Ad on p. 2)			Applications due: 3/15		Bachelor's by dept. 9
Rudi Weikard, Chair			Contact number: 205-934-2154		Master's by dept. 7
Faculty 20, Tenured 20, Tenured faculty who published 16			Foreign languages: 1		Doc. (01/04) RCA 4, GT 1,
Graduate Students: part-time 3; full-time 30; full-time first year 10					AM 1. Total: 6
Fellowship (12:7)	15000–22500	12	7 Teach	0	
Teaching Assistantship (18:3)	15000–16000	12 500	15 Teach	75	

University of Alabama, Tuscaloosa 35487

INFORMATION SYSTEMS, STATISTICS, AND MANAGEMENT SCIENCES			Applications due: no date given		Bachelor's by dept. 63
Edward R. Mansfield, Head			Contact number: 205-348-6085		Master's by dept. 12
Faculty 19, Tenured 17, Tenured faculty who published 15			Foreign languages: 0		Doc. (01/04) S 4, Other 3.
Graduate Students: part-time –; full-time 36; full-time first year –					Total: 7
Teaching Assistantship (17:5)	9112–11500	9	20	no	
Research Assistantship (–:–)	9112–11500	9	20	no	
MATHEMATICS			Applications due: 7/1		Stand alone: PM, AM, ST
Zhijian Wu, Chair			Contact number: 205-348-5094		Bachelor's by dept. 14
Faculty 28, Tenured 26, Tenured faculty who published 26			Foreign languages: 0		Master's by dept. 9
Graduate Students: part-time –; full-time 39; full-time first year 11					Doc. (01/04) RCA 2, GT 1,
Teaching Assistantship (18:–)	9684	9 2067	20	no	AM 3, LNO 1. Total: 7

University of South Alabama, Mobile 36688

MATHEMATICS AND STATISTICS			Applications due: 8/15		Master's only: yes
http://www.southalabama.edu/mathstat/			Contact number: 251-460-6264		Stand alone: PM, AM, ST
J. Scott Carter, Chair			Internship: yes		Bachelor's by dept. 12
Faculty 19, Tenured 12, Tenured faculty who published 11					Master's by dept. 5
Graduate Students: part-time 5; full-time 13; full-time first year 7					
Fellowship (2:2)	10000	9	16 Research	5*	
Teaching Assistantship (10:5)	10000	9	16 Computer lab.	5*	
Statistical Consulting (1:1)	10000	9	16 Consult		

*International students: \$93 per month.

UAB The University of Alabama at Birmingham

Department of Mathematics

Join an energetic and enthusiastic department that offers small classes and close interactions with an internationally known faculty. The department includes a graduate student population drawn from around the world and supported with department and university funds, as well as stipends of up to \$21,500 per year through a GAANN grant from the U.S. Department of Education. Travel support is also available for advanced graduate students.

In addition, the department is one of four throughout the United States this year to receive a prestigious National Science Foundation/Division of Mathematical Sciences EMSW21 (MCTP) award for approximately 2.3 million dollars. MCTP fellows, who must be citizens, nationals or permanent residents of the United States and its territories and possessions, receive stipends of \$22,500 per year for full-time study and participation in the professional life of the department.

The department offers programs leading to the M.S. and Ph.D. degrees, with research in the areas of chaos & statistical mechanics, computational mathematics, differential equations, differential geometry, Ergodic theory & dynamical systems, general relativity, mathematical physics, nonlinear analysis, numerical analysis, quantum field theory, spectral theory, topology and topological dynamics. Most graduate faculty members have had their research supported by the National Science Foundation. Coursework includes a minor area outside mathematics, e.g., in biology, biostatistics, computer science, engineering, or physics.

Recent Ph.D. recipients have received post-doctoral positions in leading United States research universities. Others have gone on to academic or industrial positions. Applications are encouraged from students who are members of groups traditionally underrepresented in mathematics doctoral programs, particularly minorities and women.

For more information, please contact: UAB Department of Mathematics
Telephone: (205) 934-2154 E-Mail: graduate@math.uab.edu and
Web: <http://www.math.uab.edu/>

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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ALASKA

University of Alaska, Fairbanks 99775

MATHEMATICAL SCIENCES

<http://www.dms.uaf.edu>

Jonathan Wiens, Chair

Faculty 18, Tenured 12, Tenured faculty who published 10

Graduate Students: part-time 4; full-time 70; full-time first year 15

Fellowship (1:1)	12000	9	20	Research	660/yr.
Teaching Assistantship (16:8)	12000	9	20	Teach, grade	660/yr.
Research Assistantship (3:1)	12000	9	20	Research	660/yr.

Applications due: 3/1

Contact number: 907-474-7332

Foreign languages: 0

Stand alone: PM, AM, K–12,
ST, CS

Bachelor's by dept. 25

Master's by dept. 8

ARIZONA

Arizona State University, Tempe 85287-1804

MATHEMATICS AND STATISTICS

<http://math.asu.edu>

Andrew Bremner, Chair

Faculty 50, Tenured 43, Tenured faculty who published 29

Graduate Students: part-time 12; full-time 80; full-time first year 17

Teaching Assistantship (70:17)	14865–18638	9	20	Teach, grade, tutor	0
Research Assistantship (10:0)	14865–17638	9	20	Research	0

Applications due: 10/1

Contact number: 480-965-3951

Foreign languages: 0

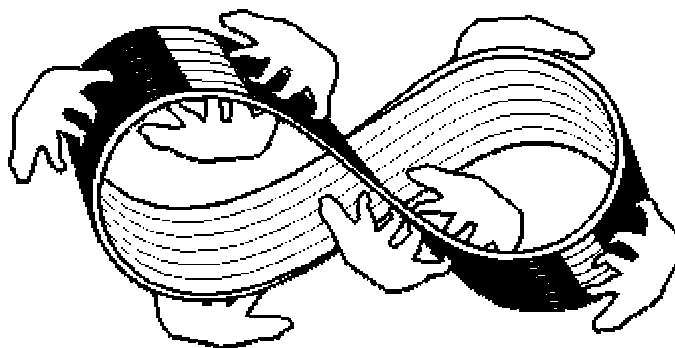
Stand alone: PM, AM, ST

Bachelor's by dept. 36

Master's by dept. 12

Doc. (01/04) RCA 1, S 2,
AM 11, DMC 4, NA 6, Other 1.

Total: 25



Graduate Study at University of Alaska Fairbanks

Interested in a quality graduate school on the edge of the wilderness? Interested in small class size and the opportunity to work with world-class researchers on applied problems? The University of Alaska Fairbanks is actively recruiting graduate students in mathematics, computer science, software engineering and statistics. For more information visit www.dms.edu. Live your outdoor adventure dream while earning a graduate degree and contributing to significant research.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
Northern Arizona University, Flagstaff 86011-5717					
MATHEMATICS AND STATISTICS			Applications due: 3/15		Master's only: yes
http://math.nau.edu			Contact number: 928-523-3481		Stand alone: PM, AM, K–12,
Roy St. Laurent, Chair			Internship: yes		AS, ST
Faculty 18, Tenured 14, Tenured faculty who published 12					Bachelor's by dept. 32
Graduate Students: part-time 10; full-time 18; full-time first year 9					Master's by dept. 16
Teaching Assistantship (18:9)	12725	9	16	Teach	0
Tuition Waiver (3:2)	2400	9			

University of Arizona, Tucson 85721-0089

APPLIED MATHEMATICS			Applications due: 2/1		Stand alone: AM
http://appliedmath.arizona.edu			Contact number: 520-621-2016		Master's by dept. 4
Michael Tabor, Head			Internship: yes		Doc. (01/04) AM 15. Total: 15
Faculty 1*, Tenured 1, Tenured faculty who published –			Foreign languages: 1		
Graduate Students: part-time 5; full-time 47; full-time first year 9					
Fellowship (16:8)	7372–20625	9	10	Research	150**
Teaching Assistantship (18:0)	7372–16120	9	10	Teach	150**
Research Assistantship (11:0)	7372–16120	9	10	Research	150
Other (7:0)		4700			

*Program is interdisciplinary; there are 85 faculty members and affiliates from other departments.

**Health insurance waivers are given to students who are teaching or awarded fellowships.

University of Arizona, Tucson 85721

MATHEMATICS			Applications due: 2/1		Stand alone: PM
http://www.math.arizona.edu			Contact number: 520-621-2068		Bachelor's by dept. 50
Nicholas Ercolani, Head			Foreign languages: 2		Master's by dept. 3
Faculty 60, Tenured 48, Tenured faculty who published 48					Doc. (01/04) ANT 4, NA 3,
Graduate Students: part-time 4; full-time 40; full-time first year 13					Other 2. Total: 9
Fellowship (1:1)	18000	9	20		100*
Teaching Assistantship (30:10)	14743–16120	9	20		100*
Research Assistantship (7:2)	14743–16120	9	20		100*

*Most students hired as research or teaching assistants receive waivers for tuition, registration fees, and health insurance.

ARKANSAS**Arkansas State University, State University 72467**

MATHEMATICS AND STATISTICS			Applications due: 3/1		Master's only: yes
J. L. Linnstaedter, Chair			Contact number: 870-972-3090		Stand alone: K–12, 2T
Faculty 9, Tenured 7, Tenured faculty who published 4					Bachelor's by dept. 18
Graduate Students: part-time 4; full-time 10; full-time first year 6					Master's by dept. 4
Teaching Assistantship (9:5)	10000–10500	9	6 ^c	Teach	no

University of Arkansas, Fayetteville 72701

MATHEMATICAL SCIENCES			Applications due: 3/15		Stand alone: PM, AM, ST
http://www.uark.edu/math			Contact number: 479-575-3351		Bachelor's by dept. 21
D. Khavinson, Chair			Internship: yes		Master's by dept. 9
Faculty 21, Tenured 16, Tenured faculty who published 14			Foreign languages: 1		Doc. (01/04) ANT 2, S 1.
Graduate Students: part-time 4; full-time 43; full-time first year 20					Total: 3
Fellowship (11:5)	5000–20000	9–12			yes
Teaching Assistantship (42:20)	9500–12667	9	20	Teach	yes
Research Assistantship (1:–)	9500	9		Research	yes

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours per week	type of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Central Arkansas, Conway 72035						
MATHEMATICS						
http://www.uca.edu						
Ramesh Garimella, Chair						
Faculty 14, Tenured 11, Tenured faculty who published 6						
Graduate Students: part-time 10; full-time 15; full-time first year 12						
Teaching Assistantship (14:11)	8500	9	20	*	44	
Research Assistantship (1:1)	8500	9	20	**	44	
*Teach two courses; tutor in lab.						
**Research in math ed.						
						Applications due: 3/1
						Contact number: 501-450-3147
						Master's only: yes
						Stand alone: 2T, OT
						Bachelor's by dept. 24
						Master's by dept. 10

CALIFORNIA

California Institute of Technology, Pasadena 91125

MATHEMATICS						
http://www.math.caltech.edu						
Gary Lorden, Executive Officer						
Faculty 15, Tenured 10, Tenured faculty who published 10						
Graduate Students: part-time –; full-time 31; full-time first year 8						
Fellowship (8:3)	3500–20000	12	25335		10	
Teaching Assistantship (31:5)	13455–15372	12	25335	15	*	10
Research Assistantship (31:5)	3400–3500	3**		10	Research	10
*One-hour recitation section per week. Grade and hold office hours.						
**Summer support.						
						Applications due: 1/15
						Contact number: 626-395-4335
						Foreign languages: 0
						Bachelor's by dept. 14
						Master's by dept. 9
						Doc. (01/04) ANT 5, RCA 2, S 1, Other 1. Total: 9



CALIFORNIA INSTITUTE OF TECHNOLOGY MATHEMATICS

Caltech Mathematics offers a graduate program leading to the Ph.D. degree designed to prepare students for research careers in universities or government. Graduate students are encouraged to engage in creative research work as early as possible. As a result of the informal atmosphere, small size of the department, and the large faculty to student ratio, graduate students have ample opportunity to interact closely with the faculty. Faculty research interests include group theory, number theory, algebraic geometry, complex analysis, functional analysis, harmonic analysis, complex dynamics, representations of Lie groups, automorphic forms, mathematical physics, differential geometry, knot theory and low dimensional topology, algebraic topology, combinatorics, logic and set theory, and statistics.

Financial support is available through a number of fellowships, usually for the first year, but the predominant mode of financial support is teaching assistantships, which include a full tuition grant. The teaching load is light and consists of assisting with the freshman or sophomore calculus course. All offers of admission in recent years have been accompanied by a fellowship or assistantship offer. For more detailed information write to:

Dr. W. Schlag, Chairman
Graduate Admission Committee
Mathematics 253-37
California Institute of Technology, Pasadena, CA 91125

Caltech is an Equal Opportunity/Affirmative Action Institution. Women, minorities, veterans, and disabled persons are encouraged to apply.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
California Polytechnic State University, San Luis Obispo 93407					
MATHEMATICS http://www.calpoly.edu/~math Kent E. Morrison, Chair Faculty 28, Tenured 14, Tenured faculty who published 7 Graduate Students: part-time –; full-time 13; full-time first year 7 Teaching Assistantship (11:6)	7000–15000	9 4460	3 ^c –6 ^c Teach	no	Applications due: 5/1 Contact number: 805-756-2206 Master's only: yes Stand alone: PM Bachelor's by dept. 45 Master's by dept. 4
California State University, Fresno 93740-8001					
MATHEMATICS http://www.csufresno.edu/math/ Larry W. Cusick, Chair Faculty 20, Tenured 13, Tenured faculty who published 5 Graduate Students: part-time –; full-time 29; full-time first year 4 Teaching Assistantship (2:0) Other (1:0)	2500–5000 2130–4400		Teach Grade	no	Applications due: Semiannually Contact number: 559-278-2992 Master's only: yes Stand alone: PM, K–12 Bachelor's by dept. 19 Master's by dept. 5
California State University, Hayward 94542-3087					
STATISTICS http://www.sci.csu Hayward.edu/statistics Julia A. Norton, Chair Faculty 5, Tenured 4, Tenured faculty who published 4 Graduate Students: part-time –; full-time –; full-time first year – Fellowship Grants (1:–) Scholarship (5:–) Grader (3-4:–)	500–1000 500 3000–6000	9 12	2 Research 5–10 Grade	no	Applications due: * Contact number: 510-885-3435 Internship: yes Master's only: yes Stand alone: ST, OT Bachelor's by dept. 6 Master's by dept. 25
*Apply quarterly.					
California State University, Los Angeles 90032					
MATHEMATICS P. K. Subramanian, Chair Faculty 20, Tenured 17, Tenured faculty who published 8 Graduate Students: part-time 26; full-time 6; full-time first year 4 Teaching Assistantship (–:–)	6600–13200	9 3000*	20 Teach, grade	no	Applications due: no date given Contact number: 323-343-2150 Master's only: yes Stand alone: PM, AM Bachelor's by dept. 22 Master's by dept. 8
*For California residents.					
California State University, Northridge 91330-8313					
MATHEMATICS http://www.csun.edu/math Magnhild Lien, Chair Faculty 37, Tenured 30, Tenured faculty who published 22 Graduate Students: part-time 84; full-time 43; full-time first year 14 Teaching Assistantship (3:0) Grading Assistantship (5:2)	370–470 885	9 9	3 ^c Teach 10 Tutor, grade, lab.	yes	Applications due: no date given Contact number: 818-677-2721 Master's only: yes Stand alone: PM, AM, K–12 Bachelor's by dept. 40 Master's by dept. 11
California State University, Sacramento 95819					
MATHEMATICS AND STATISTICS http://www.csus.edu/math/ D. Ramachandran, Chair Faculty 39, Tenured 33, Tenured faculty who published 6 Graduate Students: part-time 20; full-time 20; full-time first year 15 Teaching Assistantship (8:3) Graduate Assistantship (6:2) Partial Scholarship (2:2)	6410–12820 2050–8020 1500	9 9 9 2200 2200 2200	4–8 Teach 12–15 Tutor	no	Applications due: 7/1 Contact number: 916-278-6534 Master's only: yes Stand alone: PM, AM, 2T, ST Bachelor's by dept. 21 Master's by dept. 1

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
California State University, San Marcos 92069					
MATHEMATICS http://www.csusm.edu/math Linda Holt, Chair Faculty 11, Tenured 8, Tenured faculty who published 8 Graduate Students: part-time 3; full-time 12; full-time first year 5 Teaching Assistantship (7:2)	4000–12000	9 1506	6 Teach	Applications due: no date given Contact number: 760-750-8059	Master's only: yes Stand alone: PM, 2T Bachelor's by dept. 10 Master's by dept. 3

Claremont Graduate University, Claremont 91711

MATHEMATICAL SCIENCES http://www.cgu.edu/math John Angus, Chair Faculty –, Tenured –, Tenured faculty who published – Graduate Students: part-time –, full-time –, full-time first year – Fellowship (20:8)	9 *			Applications due: 2/15 Contact number: 909-621-8080 Foreign languages: 2	Stand alone: PM, AM, ST, OR, CS, OT Doc. (01/04) AM 10. Total: 10
Teaching Assistantship (6:3)	7000–10000	9 *	15 **	yes yes	
* \$3285–9839. 25 to 75% depending on award, paid by student. \$1142 = 1 unit, 4 unit course = \$4568, 12 units = \$13,118. ** Grade, tutor, research.					

San Diego State University, San Diego 92182

MATHEMATICS AND STATISTICS David Lesley, Chair Faculty 27, Tenured 21, Tenured faculty who published 19 Graduate Students: part-time 30; full-time 50; full-time first year 50 Teaching Assistantship (24:13)	2529–10118	12 3700	16 Teach, grade	Applications due: no date given Contact number: 619-594-6191 Internship: yes	Master's only: yes Stand alone: PM, AM, K–12, 2T, AS, ST Bachelor's by dept. 45 Master's by dept. 24
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California State University, Sacramento

- **General Information** : California State University, Sacramento, located on the banks of the American River in a pleasant Sacramento location, offers a 2-year M. A. program with a traditional core of Real Analysis and Abstract Algebra, and other course choices selected from Topology, Complex Analysis, Applied Mathematics, and Statistics. The program has experienced recent growth and expects to expand offerings depending on demand and interests of students.
- The CSUS M.A. program, averaging about 25 fully classified graduate students, provides an environment with small classes and easy access to faculty. While a few of our M.A. graduates pursue a Ph.D. elsewhere, most view the M.A. as their culminating degree and take jobs in community college teaching, in industry, or in state government positions. Many of our M.A. graduates remain in the area and are now faculty members at local community colleges.
- **Financial Support**: The Mathematics and Statistics Department has approximately 8 graduate assistant and 8 teaching assistant positions per year. Graduate Assistants tutor in our mathematics laboratory, and Teaching Assistants have full responsibilities for one or two mathematics or statistics classes each semester. Teaching/tutoring positions are also available in the Learning Skills Program on campus.
- **Deadline Dates for Applications**: Fall Semester--May 1; Spring Semester--Nov. 1

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
San Francisco State University, San Francisco 94132					
MATHEMATICS			Applications due: 5/1	Master's only:	yes
http://math.sfsu.edu			Contact number: 415-338-2251	Stand alone: PM	
David Meredith, Chair				Bachelor's by dept.	21
Faculty 25, Tenured 25, Tenured faculty who published 14				Master's by dept.	9
Graduate Students: part-time 38; full-time 31; full-time first year 23					
Fellowship (–:–)*				no	
*Unknown at this time.					
Stanford University, Stanford 94305					
MATHEMATICS			Applications due: no date given	Bachelor's by dept.	25
http://math.stanford.edu			Contact number: 650-723-2601	Master's by dept.	3
Richard Schoen, Chair			Foreign languages: 1	Doc. (01/04) Total: 11*	
Faculty 23, Tenured 22, Tenured faculty who published 0					
Graduate Students: part-time 0; full-time 52; full-time first year 20					
Teaching Assistantship (–:–)	6446/qtr.	9		**	
Research Assistantship (–:–)	5847/qtr.	9		**	
*Fields of specialization not available.					
**The department pays half and the university pays half.					
University of California, Berkeley 94720-7360					
BIostatISTICS			Applications due: 12/1	Bachelor's by dept.	0
http://www.stat.berkeley.edu/biostat			Foreign languages: 0	Master's by dept.	12
Nicholas P. Jewell, Chair				Doc. (01/04) B 12. Total: 12	
Faculty 6, Tenured 4, Tenured faculty who published 4					
Graduate Students: part-time 0; full-time 29; full-time first year 7					
Fellowship (10:3)	3000–12246	10 *		no	
Teaching Assistantship (9:5)	14357	10 *	20 Teach	30	
Research Assistantship (9:2)	21847–24547	12 *	20 Research	30	
*Students holding teaching and/or research positions do not pay tuition/fees. These costs are covered as part of teaching/research award.					
University of California, Berkeley 94720-3840					
MATHEMATICS			Applications due: 12/15	Bachelor's by dept.	256
http://math.berkeley.edu			Contact number: 510-642-2479	Master's by dept.	6
T. A. Slaman, Chair			Foreign languages: 2	Doc. (01/04) ANT 3, RCA 3,	
Faculty 66, Tenured 60, Tenured faculty who published 60				GT 10, L 5, AM 1, DMC 2,	
Graduate Students: part-time 0; full-time 210; full-time first year 27				NA 1. Total: 25	
Fellowship (45:8)				0	
Teaching Assistantship (135:17)	14355–17085	10	15 Grade, teach	0	
Research Assistantship (30:1)	14565	10	15 Research	0	
University of California, Davis 95616					
MATHEMATICS			Applications due: 1/15	Stand alone: PM, AM, K–12,	
http://www.math.ucdavis.edu			Contact number: 530-752-8131	2T	
Motohico Mulase, Chair			Internship: yes	Bachelor's by dept.	65
Faculty 40, Tenured 33, Tenured faculty who published 30			Foreign languages: 1	Master's by dept.	9
Graduate Students: part-time 0; full-time 107; full-time first year 29				Doc. (01/04) ANT 1, RCA 1,	
Fellowship (91:23)	1000–18000	3–12		GT 4, AM 6, DMC 2, LNO 1,	
Teaching Assistantship (71:15)	798–1595/mo.	3–9 0–569	10–20 Office hours, grade, proctor, teach	* Other 9. Total: 24	
Research Assistantship (29:0)	787–1574/mo.	3–12	10–20 Research	*	
Nonresident Tuition (20:7)	1225–14695/yr.	3–9			
*The school pays the premium for teaching assistants, research assistants, and fellowship students.					

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEE paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of California, Irvine 92697-3875					
MATHEMATICS			Applications due: 1/15		Bachelor's by dept. 54
http://www.math.uci.edu			Contact number: 949-824-5544		Master's by dept. 10
John Lowengrub, Chair			Foreign languages: 0		Doc. (01/04) ANT 2, RCA 2, GT 2, L 1, P 2, AM 4, Other 4. Total: 17
Faculty 34, Tenured 23, Tenured faculty who published 17					
Graduate Students: part-time –; full-time 90; full-time first year 22					
Fellowship (15:5)				0	
Teaching Assistantship (47:7)	14355	9	20	0	
Research Assistantship (10:–)		500	20	0	
University of California, Los Angeles 90095-1555					
MATHEMATICS			Applications due: 12/15		Bachelor's by dept. 220
http://www.math.ucla.edu			Contact number: 310-825-4831		Master's by dept. 8
James Ralston, Chair			Foreign languages: 1		Doc. (01/04) ANT 6, RCA 3, GT 5, L 2, P 2, AM 19, Other 1. Total: 38
Faculty 55, Tenured 51, Tenured faculty who published –					
Graduate Students: part-time 0; full-time 220; full-time first year 32					
Fellowship (40:17)	12500–18000	9		0	
Teaching Assistantship (59:5)	14100–16600	9	20	0	
Research Assistantship (23:4)	11580–14800	9	1	0	
University of California, Riverside 92521					
MATHEMATICS			Applications due: 1/5		Bachelor's by dept. 65
http://www.math.ucr.edu			Contact number: 909-787-3113		Master's by dept. 28
Bun Wong, Chair			Foreign languages: 0		Doc. (01/04) ANT 3, GT 3. Total: 6
Faculty 30, Tenured 23, Tenured faculty who published –					
Graduate Students: part-time 2; full-time 41; full-time first year 13					
Fellowship (11:9)	20000			0	
Teaching Assistantship (39:11)	14375			0	
STATISTICS			Applications due: 12/1		Stand alone: ST
http://www.statistics.ucr.edu			Contact number: 951-827-3774		Bachelor's by dept. 4
Keh-Shin Lii, Chair			Internship: yes		Master's by dept. 5
Faculty 8, Tenured 6, Tenured faculty who published 6			Foreign languages: 0		Doc. (01/04) S 5. Total: 5
Graduate Students: part-time 0; full-time 37; full-time first year 10					
Fellowship (13:5)	9000–15000	9		0	
Teaching Assistantship (14:0)	7179–14357	9	20	0	
Research Assistantship (2:0)	11601–13878	9	20	0	
University of California at San Diego, La Jolla 92093-0112					
MATHEMATICS			Applications due: 1/14		Bachelor's by dept. 112
http://math.ucsd.edu			Contact number: 858-534-6887		Master's by dept. 5
Bruce K. Driver, Chair			Internship: yes		Doc. (01/04) ANT 4, RCA 1, GT 3, P 3, S 2, DMC 7, NA 5, Other 2. Total: 27
Faculty 53, Tenured 45, Tenured faculty who published 44			Foreign languages: 1		
Graduate Students: part-time 4; full-time 88; full-time first year 18					
Fellowship (8:5)	18500–22500	12	20	yes	
Teaching Assistantship (80:16)	14357	9	20	yes	
University of California, Santa Barbara 93106					
MATHEMATICS			Applications due: 1/1		Stand alone: PM, AM,
http://www.math.ucsb.edu			Contact number: 805-893-8192		Bachelor's by dept. 85
Thomas Sideris, Chair			Foreign languages: 0		Master's by dept. 11
Faculty 34, Tenured 28, Tenured faculty who published 25					Doc. (01/04) ANT 5, RCA 3, GT 9, AM 6, DMC 1, Other 1. Total: 25
Graduate Students: part-time –; full-time 71; full-time first year 14					
Fellowship (5:2)	15000–17000	9		0	
Teaching Assistantship (48:9)	14357	9	16	0	

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of California, Santa Barbara 93106-3110 (continued)					
STATISTICS AND APPLIED PROBABILITY http://www.pstat.ucsb.edu Raya E. Feldman, Chair Faculty 8, Tenured 6, Tenured faculty who published – Graduate Students: part-time 0; full-time 52; full-time first year 10			Applications due: 1/15 Contact number: 805-893-4857 Internship: yes Foreign languages: 0	Stand alone: ST Bachelor's by dept. Master's by dept. Doc. (01/04) S 8. Total: 8	12 8
Fellowship (4:2)	2348–11741	9	Teach	*	
Teaching Assistantship (26:8)	2393–14357	9	Teach	*	
Research Assistantship (4:0)	2348–14089	9		*	
*\$473 per quarter.					

University of California, Santa Cruz 95064

MATHEMATICS http://www.math.ucsc.edu Anthony Tromba, Chair Faculty 14, Tenured 8, Tenured faculty who published – Graduate Students: part-time –; full-time 36; full-time first year 9			Applications due: no date given Contact number: 831-459-4086 Foreign languages: 1	Bachelor's by dept. Master's by dept. Doc. (01/04) ANT 2, NA 2. Total: 4	54 3
Fellowship (7:0)	1600/mo.	9	*	0	
Teaching Assistantship (23:0)	1600/mo.	9	*	0	
*220 hours per quarter.					

University of Southern California, Los Angeles 90089-2532

MATHEMATICS http://mathinfo.usc.edu Wayne Raskind, Chair Faculty 36, Tenured 33, Tenured faculty who published 32 Graduate Students: part-time 6; full-time 104; full-time first year 27			Applications due: 12/15 Contact number: 213-740-1717 Foreign languages: 1	Bachelor's by dept. Master's by dept. Doc. (01/04) ANT 3, RCA 1, GT 1, L 1, S 4, AM 5, DMC 1, Other 2. Total: 18	23 29
Fellowship (6:2)	16500	9	45	0	
Teaching Assistantship (55:15)	16500	9	45	20	Teach, grade
Research Assistantship (13:2)	16500	9	45	20	Research
Assistant Lecturer (1:0)	17300	9	45	20	Teach, grade

COLORADO**Colorado School of Mines, Golden 80401**

MATHEMATICAL AND COMPUTER SCIENCES http://www.mines.edu/academic/mac Graeme Fairweather, Head Faculty 18, Tenured 15, Tenured faculty who published 15 Graduate Students: part-time 7; full-time 56; full-time first year 12			Applications due: 2/1 Contact number: 303-273-3502 Internship: yes Foreign languages: 0	Bachelor's by dept. Master's by dept. Doc. (01/04) NA 2, Other 2. Total: 4	76 7
Fellowship (6:0)	11000–12400	9	*	3–6°	Teach
Teaching Assistantship (11:1)	11000–12400	9	*	15–20	Grade
Research Assistantship (8:2)	11000–12400	9	*	15–20	Research
*Resident: \$7564; nonresident: \$22664.					

Colorado State University, Fort Collins 80523-1874

MATHEMATICS http://www.math.colostate.edu Simon Tavener, Chair Faculty 30, Tenured 24, Tenured faculty who published – Graduate Students: part-time 10; full-time 56; full-time first year 24			Applications due: 2/15 Contact number: 970-491-7925 Foreign languages: 1	Stand alone: PM, AM, 2T Bachelor's by dept. Master's by dept. Doc. (01/04) ANT 1, AM 4, DMC 1, NA 2. Total: 8	34 10
Fellowship (4:–)			836	19	yes
Teaching Assistantship (40:14)	13700–14700	9	836	19	yes
Research Assistantship (2:–)	13700–14700	9	836	20	yes
Primes Fellowship (2:–)	13700–14700	9	836	20	

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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Colorado State University, Fort Collins 80523-1877 (continued)**STATISTICS**

http://www.stat.colostate.edu

Richard A. Davis, Chair

Faculty 14, Tenured 11, Tenured faculty who published 11

Graduate Students: part-time 12; full-time 29; full-time first year 12

Fellowship (8:7)	1800–15000	9			111
Teaching Assistantship (23:10)	11925–12825	9	*	20 Teach, consult	111
Research Assistantship (9:0)	11925–12825	9	*	20 Research	111
Hourly (5:0)	3000–6000	9	14820	10 Grade, support	

*Fees: \$820.

Applications due: 2/15

Contact number: 970-491-5269

Internship: yes

Foreign languages: 0

Bachelor's by dept.

Master's by dept. 10

Doc. (01/04) P 1, S 7. Total: 8**University of Colorado, Boulder 80309****APPLIED MATHEMATICS**

http://amath.colorado.edu

James Curry, Chair

Faculty 13, Tenured 10, Tenured faculty who published 10

Graduate Students: part-time 5; full-time 82; full-time first year 19

Fellowship (40:13)	2000*–22000	9	840**		144
Teaching Assistantship (34:12)	12556**–15152**	9	840	20 Teach, grade	59
Research Assistantship (15:0)	12556**–15556**	9	840	20 Research	59

*Plus teaching assistantship.

**2003–2004 rates.

Applications due: no date given

Contact number: 303-492-1238

Internship: yes

Foreign languages: 1

Stand alone: AM

Bachelor's by dept. 15

Master's by dept. 11

Doc. (01/04) P 1, AM 4, NA 6. Total: 11**MATHEMATICS**

Lynne Walling, Chair

Faculty 27, Tenured 20, Tenured faculty who published 20

Graduate Students: part-time 2; full-time 70; full-time first year 18

Fellowship (5:–)	8000				no
Teaching Assistantship (56:14)	13058		800	20	yes

Applications due: 1/15

Contact number: 303-492-3161

Stand alone: AM, AS

Bachelor's by dept. 28

Master's by dept. 7

Doc. (01/04) ANT 8, GT 1, P 2, AM 1, Other 1. Total: 13**University of Colorado, Denver 80217-3364****MATHEMATICS (Ad on p. 12)**

Michael S. Jacobson, Chair

Faculty 23, Tenured 18, Tenured faculty who published 18

Graduate Students: part-time 40; full-time 26; full-time first year 15

Fellowship (1:0)	11000–12500	9	4000	20 Research	no
Teaching Assistantship (18:5)	11000–12000	9	4000	20 Teach, grade	no
Research Assistantship (7:5)	11000–18000	12	4000	20 Research	no

Applications due: 2/15

Contact number: 303-556-8442

Internship: yes

Foreign languages: 0

Stand alone: AM, ST, OR, CS

Bachelor's by dept. 14

Master's by dept. 11

Doc. (01/04) RCA 2, S 1, DMC 3, NA 3. Total: 9**M.S. and Ph.D. Programs
In Mathematics**www.math.colostate.edu

email:

grad_program@math.colostate.edu

phone: (970) 491-7925

**Colorado
State
University**

Knowledge to Go Places

The department offers M.S. and Ph.D. degrees with various concentrations in pure and applied/computational mathematics. Our study plans are individualized and flexible and allow smooth transitions between M.S. and Ph.D. programs. In addition to general master degrees we also offer terminal master degrees in computational mathematics or with outside specialization. The department is a key participant in an interdisciplinary program in quantitative ecology affording unique research opportunities.

In 2004–2005, teaching assistantships provided \$13,700–\$14,700 per academic year, along with tuition waivers. Additionally, summer teaching opportunities usually are available for interested GTAs. Typically, a GTA teaches one four-credit class on his/her own per semester. Some research assistantships are available. We also have been very successful in obtaining scholarships which are paid in addition to the stipend.

The campus is located at the foot of the Rocky Mountains and provides many recreational possibilities. We have more than 300 sunny days per year. Please check our website for more information.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Denver, Denver 80208					
MATHEMATICS			Applications due: 3/1	Bachelor's by dept.	5
http://www.math.du.edu			Contact number: 303-871-3344	Master's by dept.	3
James N. Hagler, Chair			Internship: yes		
Faculty 6, Tenured 4, Tenured faculty who published 4			Foreign languages: 0		
Graduate Students: part-time 2; full-time 11; full-time first year 4					
Fellowship (1:1)	5000	9 123		no	
Teaching Assistantship (10.5:4)	12500	9 111	20 Teach, grade	0	
Colorado Graduate Grant (2:1)	1000	9 111			
Scholarship (1:1)	19467	9 123			
Work Study (1:1)	2000	9 123			

University of Northern Colorado, Greeley 80639

MATHEMATICAL SCIENCES			Applications due: no date given	Bachelor's by dept.	50
Richard Grassl, Chair			Contact number: 970-351-2380	Master's by dept.	7
Faculty 16, Tenured 11, Tenured faculty who published 7			Foreign languages: 0	Doc. (01/04) Other 6. Total: 6	
Graduate Students: part-time 2; full-time 13; full-time first year 3					
Teaching Assistantship (15:3)	12000	9	25 Teach 2 courses	no	

M.S. and Ph.D. in Applied Mathematics

CU-Denver is an urban university on the Front Range of the Colorado Rockies and a leader in applied and computational mathematics in the West. It is the home of the Center for Computational Mathematics and the Center for Computational Biology. Active research areas: computational mathematics, graph theory and combinatorics, applied statistics, optimization, computational biology, probability. Teaching and research assistantships available.

Graduate Program, Mathematics Department, Campus Box 170, CU-Denver, P.O. Box 173364, Denver, CO 80217
303-556-2341 • <http://www-math.cudenver.edu/graduate>



Department of Mathematics

University of Denver

The University of Denver is a private liberal arts university located in a thriving metropolis on the eastern escarpment of the Rocky Mountains. With an enrollment of approximately 9500 students in undergraduate, graduate and professional programs, we take pride in a faculty of high scholarly attainment that are devoted to teaching in an environment of close contact with our students.

The Mathematics Department is friendly, dynamic, and active. Research interests include algebra, topological dynamics, ordered algebra and general topology, mathematical physics and the logic of quantum mechanics, functional analysis (Banach spaces, operator spaces, and operator theory), harmonic analysis, convex geometry, probability, and combinatorics. We enjoy seeking the common ground among our specialties.

We welcome applications for graduate study. We offer MA, MS and PhD degrees in mathematics. Full time Teaching Assistantships are available for qualified applicants. These positions pay full tuition and a stipend of \$12,500 with an option for health insurance at no cost to the student. Write or call the Graduate Program, Department of Mathematics, University of Denver, Denver, Colorado 80208. **Phone:** 303-871-2911. **Email:** info@math.du.edu **URL** <http://www.math.du.edu>

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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CONNECTICUT

University of Connecticut, Storrs 06269

MATHEMATICS				Applications due: 2/1	Bachelor's by dept.	33
Michael Neumann, Head				Contact number: 860-486-1291	Master's by dept.	21
Faculty 31, Tenured 31, Tenured faculty who published 12				Internship: yes		
Graduate Students: part-time 5; full-time 45; full-time first year 18				Foreign languages: 1		
Fellowship (3:3)	500–8000	9	1300	10	Teach or research	20
Teaching Assistantship (58:18)	4327–20145	9	1300	10	Teach	20
Research Assistantship (3:0)	4327–20145	9	1300	10	Research	20

Wesleyan University, Middletown 06457

MATHEMATICS				Applications due: 2/15	Bachelor's by dept.	33
http://www.math.wesleyan.edu				Contact number: 860-685-2164	Master's by dept.	0
Carol Wood, Chair				Foreign languages: 2	Doc. (01/04) ANT 1, GT 1, DMC 1, Other 2. Total: 5	
Faculty 16, Tenured 11, Tenured faculty who published 11						
Graduate Students: part-time 0; full-time 21; full-time first year 4						
Fellowship (21:4)	14748	9		10	yes	
Teaching Assistantship (–:–)	4916	3			yes	

Yale University, New Haven 06520

MATHEMATICS				Applications due: 1/3	Stand alone: PM	
http://www.math.yale.edu				Contact number: 203-432-7792	Bachelor's by dept.	14
Andrew J. Casson, Chair				Foreign languages: 2	Master's by dept.	1
Faculty 12, Tenured 12, Tenured faculty who published –					Doc. (01/04) ANT 2, RCA 3, AM 1, Other 1. Total: 7	
Graduate Students: part-time 0; full-time 40; full-time first year 5						
Fellowship (10:5)	17000	9	26800	5–10	Grade	*
Teaching Assistantship (30:0)	17000	9	26800	20	Grade, teach	*
Research Assistantship (30:0)	17000	9		0	Research	*

*\$924 for academic year.

THE UNIVERSITY of NORTHERN COLORADO

Ph. D. Program in Educational Mathematics

The University of Northern Colorado's Mathematical Sciences Department offers a Ph.D. in Educational Mathematics. This unique program combines coursework in mathematics, mathematics education, cognition and research methods with dissertation research in mathematical pedagogy. Graduates are prepared to perform research in mathematics education, work with preservice and K-12 teachers and teach mathematics and mathematics education at the university level. Faculty mathematics educators and mathematicians are deeply committed to improving mathematics education and collaborate to create high-quality teaching and engage in serious inquiry. Applicants should have an MA in mathematics or a strong BA in mathematics with an MA in mathematics education, experience in teaching mathematics and a commitment to mathematics education. Teaching assistantships are available to qualified applicants; assistants teach a wide variety of undergraduate courses, often including calculus, and many team teach or perform research projects in higher-level courses. Summer support is available. UNC is state-supported, has over 10,000 students and is located in Greeley, a city of 75,000 about 50 miles from Denver and from Rocky Mountain National Park. Contact Dean Allison, Graduate Coordinator, Department of Mathematical Sciences, UNC, Greeley, CO 80639. Call: 970-351-2395/351-2820. Email: dean.allison@unco.edu

UNIVERSITY of
NORTHERN COLORADO

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
Yale University, New Haven 06511 (continued)					
STATISTICS			Applications due: 1/3		Stand alone: ST
http://www.stat.yale.edu			Contact number: 203-432-0666		Bachelor's by dept. 0
Andrew R. Barron, Chair			Foreign languages: 0		Doc. (01/04) S 12. Total: 12
Faculty 6, Tenured 4, Tenured faculty who published 1					
Graduate Students: part-time 0; full-time 23; full-time first year 11					
Fellowship (7:3)	17000	9		yes	
Teaching Assistantship (4:–)	17000	9		yes	
Research Assistantship (1:–)	17000	9		yes	

DELAWARE

University of Delaware, Newark 19716

MATHEMATICAL SCIENCES			Applications due: 3/1		Stand alone: PM, AM
http://www.math.udel.edu			Contact number: 302-831-2346		Bachelor's by dept. 14
Philip Broadbridge, Chair			Internship: yes		Master's by dept. 4
Faculty 32, Tenured 25, Tenured faculty who published 21					Doc. (01/04) ANT 7, AM 7.
Graduate Students: part-time 6; full-time 32; full-time first year 12					Total: 14
Fellowship (2:2)	15000	9	508	Research	81
Teaching Assistantship (26:9)	12000–14000	9	508	20 Teach	81
Research Assistantship (1:1)	14000	9	508	Research	81
Other (3:1)	6375–12240	9	508	20 Grade	

DISTRICT OF COLUMBIA

American University, Washington 20016-8050

MATHEMATICS AND STATISTICS			Applications due: no date given		Master's only: yes
Dan Kalman, Chair			Contact number: 202-885-3120		Stand alone: PM, AM, ST
Faculty 10, Tenured 10, Tenured faculty who published 10			Internship: yes		Bachelor's by dept. 5
Graduate Students: part-time –; full-time –; full-time first year 3					Master's by dept. 5
Fellowship (6:3)	23740	9			no
Hourly (6:3)	6720		20 Teach		

George Washington University, Washington 20052

MATHEMATICS			Applications due: 2/2		Stand alone: PM, AM
http://www.gwu.edu/~math			Contact number: 202-994-6343		Bachelor's by dept. 2
Daniel Ullman, Chair			Foreign languages: 1		Master's by dept. 1
Faculty 14, Tenured 12, Tenured faculty who published 10					Doc. (01/04) RCA 1, GT 1,
Graduate Students: part-time 3; full-time 18; full-time first year 4					L 2, DMC 2. Total: 6
Fellowship (2:0)	19000–21000	9	18		133
Teaching Assistantship (14:3)	15000–18000	9	18	15 Grade, teach	133
Research Assistantship (1:0)	22000	12	18	20 Research	133

Howard University, Washington 20059

MATHEMATICS			Applications due: 2/15		Bachelor's by dept. 8
http://www.coas.howard.edu/mathematics/			Contact number: 202-806-6830		Doc. (01/04) ANT 1, GT 2,
Louis Sharpiro, Chair			Foreign languages: 2		DMC 2, NA 1, Other 1. Total: 7
Faculty 27, Tenured 23, Tenured faculty who published 16					
Graduate Students: part-time 9; full-time 15; full-time first year 4					
Fellowship (8:3)	20000–30000	9	805		0
Teaching Assistantship (5:1)	13000	9	805	15	0
Research Assistantship (1:0)	20000	9	805	15	
Teaching Associate (–:7)	13000	9	805	3 ^c	

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
FLORIDA					
Florida Atlantic University, Boca Raton 33431					
MATHEMATICAL SCIENCES			Applications due: 7/1		Bachelor's by dept. 20
http://www.math.fau.edu			Contact number: 561-297-3340		Master's by dept. 15
Yoram Sagher, Chair			Internship: yes		Doc. (01/04) DMC 1. Total: 1
Faculty 33, Tenured 23, Tenured faculty who published 21			Foreign languages: 0		
Graduate Students: part-time 20; full-time 42; full-time first year 16					
Teaching Assistantship (37:16)	14600–20000	12 1100	20	Grade, teach	50
Research Assistantship (3:–)	20000	12 1100	20	Research	50

Florida Institute of Technology, Melbourne 32901

MATHEMATICAL SCIENCES			Applications due: no date given		Bachelor's by dept. 7
http://www.fit.edu/AcadRes/math			Contact number: 321-674-8091		Master's by dept. 8
V. Lakshmikantham, Head					Doc. (01/04) AM 5. Other 7.
Faculty 18, Tenured *, Tenured faculty who published **					Total: 12
Graduate Students: part-time 13; full-time 22; full-time first year 11					
Teaching Assistantship (16:6)	8740–9880	9	20	Teach	70
*No tenure.					
**No tenure. Seventeen have published a scholarly paper or book in the last three years.					

Florida International University, Miami 33199

MATHEMATICS			Applications due: 6/1		Master's only: yes
http://www.fiu.edu/math/			Contact number: 305-348-2743		Stand alone: PM, AM
Enrique Villamor, Chair					Bachelor's by dept. 4
Faculty 21, Tenured 16, Tenured faculty who published 10					Master's by dept. 3
Graduate Students: part-time 5; full-time 5; full-time first year 4					
Teaching Assistantship (–:–)	10000	9 1000	10	Tutor	50

Florida State University, Tallahassee 32306

MATHEMATICS (Ad on p. 16)			Applications due: 1/1		Stand alone: OT
http://www.math.fsu.edu			Contact number: 850-644-2202		Bachelor's by dept. 21
DeWitt Sumners, Chair			Foreign languages: 0		Master's by dept. 28
Faculty 36, Tenured 31, Tenured faculty who published 27					Doc. (01/04) ANT 1, RCA 1,
Graduate Students: part-time 1; full-time 123; full-time first year 40					GT 2, AM 3, Other 1. Total: 8
Fellowship (4:2)	15000–21000	9 130			112
Teaching Assistantship (82:25)	12916–14760	9 130	12	Teach	112
Research Assistantship (15:1)	13300–15650	9 130	20	Research	112

Mathematical Sciences, Florida Atlantic University, Boca Raton

The department offers a Ph.D. degree in Mathematics, and MS degrees in pure and applied mathematics and statistics. Current areas of research include cryptology, functional analysis, harmonic analysis, algebra, combinatorics and graph theory, constructive mathematics, and control theory.

Assistantships are available for Ph.D. students at \$20,000 (including summer support). Assistantships include tuition waivers.

Boca Raton is located at Florida's Atlantic coast, between Palm Beach and Ft. Lauderdale. For more information visit our web site, www.math.fau.edu.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
Florida State University, Tallahassee 32306-4330 (continued)					
STATISTICS			Applications due: 2/1		Bachelor's by dept. 6
http://stat.fsu.edu			Contact number: 850-644-7412		Master's by dept. 5
Myles Hollander, Chair			Internship: yes		Doc. (01/04) S 4. Total: 4
Faculty 12, Tenured 7, Tenured faculty who published 7			Foreign languages: 0		
Graduate Students: part-time –; full-time 45; full-time first year 17					
Fellowship (2:0)	19000–20000	12 *	20 Research	**	
Teaching Assistantship (31:12)	16200	12 *	20 Grade, teach	**	
Research Assistantship (6:2)	16200–17000	12 *	20 Research	**	
U.S. Government (Military)					
Support (–:–)					
*In-state: \$330; out-of-state: \$560.					
**Domestic: \$66.83 per month; international: \$96.58 per month.					

University of Central Florida, Orlando 32816

MATHEMATICS			Applications due: 2/15		Bachelor's by dept. 12
http://www.math.ucf.edu			Contact number: 407-823-6284		Master's by dept. 13
Zuhair Nashed, Chair			Internship: yes		Doc. (01/04) RCA 2, AM 3.
Faculty 34, Tenured 29, Tenured faculty who published 25			Foreign languages: 0		Total: 5
Graduate Students: part-time 26; full-time 29; full-time first year 12					
Fellowship (3:2)	5000–18000	9 550	9 Teach, research	no	
Teaching Assistantship (26:9)	14000–16500	9 2500	9 Teach	no	
Research Assistantship (3:1)	14000–20000	9 550	9 Research	no	



Mathematics

Florida State University

The Department of Mathematics offers the Master's and Ph.D. degrees in pure, applied, financial, and biomedical mathematics.

Current areas of research include commutative algebra, symbolic computation, algebraic geometry, complex analysis, harmonic analysis, computational acoustics, geometry, topology, high performance computing, numerical analysis, fluid dynamics, biomedical mathematics, protein geometry, knotting of DNA, conformal mapping, financial mathematics, and computer visualization.

Assistantships and fellowships are widely available to support graduate students. Current stipends range from \$12,000 to \$15,000 for 9 months, plus \$3,000 to \$4,000 for summer financial support. Assistantships include a waiver of tuition and most fees.

Tallahassee is the home of Florida's capitol and is located in beautiful northern Florida, approximately 30 miles north of the Gulf of Mexico, among towering live oak trees and rolling hills. The climate is subtropical with warm summers and pleasantly mild winters.

For more information and to apply online visit the URL www.math.fsu.edu and follow the Graduate Program link. Email questions to graduate_admissions@math.fsu.edu.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Florida, Gainesville 32611-6595					
INDUSTRIAL AND SYSTEMS ENGINEERING			Applications due: 3/1	Stand alone: OR, OT	
http://www.ise.ufl.edu			Contact number: 352-392-1464,	Bachelor's by dept.	112
D. W. Hearn, Chair			ext. 2024	Master's by dept.	84
Faculty 13, Tenured 9, Tenured faculty who published 9			Internship: yes	Doc. (01/04) AM 12. Total: 12	
Graduate Students: part-time 100; full-time 95; full-time first year 35			Foreign languages: 0		
Fellowship (8:2)	17000	12		*	
Teaching Assistantship (16:–)	16000	12	13 Grade	*	
Research Assistantship (5:0)	16000	12	13 Research	*	
*Will be starting in August 2004; cost not yet known.					
University of Florida, Gainesville 32611					
MATHEMATICS			Applications due: 1/15	Stand alone: PM, AM	
http://www.math.ufl.edu			Contact number: 352-392-0281,	Bachelor's by dept.	59
Krishnaswami Alladi, Chair			ext. 226	Master's by dept.	20
Faculty 53, Tenured 44, Tenured faculty who published 42			Foreign languages: 1	Doc. (01/04) ANT 3, RCA 1,	
Graduate Students: part-time –; full-time 85; full-time first year 30				GT 3, L 1, P 1, AM 1, NA 1.	
Fellowship (11:5)	2000–16000	12		Total: 11	
Teaching Assistantship (74:24)	11000–13465	9	13 Teach	no	
		1111		no	
University of Florida, Gainesville 32611-8545					
STATISTICS			Applications due: 1/15	Stand alone: ST	
http://www.stat.ufl.edu			Contact number: 352-392-1941	Bachelor's by dept.	6
George Casella, Chair			Internship: yes	Master's by dept.	14
Faculty 43, Tenured 23, Tenured faculty who published 23			Foreign languages: 0	Doc. (01/04) S 4. Total: 4	
Graduate Students: part-time –; full-time 59; full-time first year 15					
Fellowship (14:2)	16000	12		698*	
Teaching Assistantship (35:12)	12500–13500	9	20 Teach, grade	698*	
Research Assistantship (10:1)	12500–13500	9	20 Research	698*	
*Annual.					
University of Miami, Coral Gables 33124					
MATHEMATICS			Applications due: 2/1	Stand alone: PM, AM, 2T, ST	
http://www.math.miami.edu			Contact number: 305-284-2575	Bachelor's by dept.	15
Alan Zame, Chair			Foreign languages: 1	Doc. (01/04) P 1, Other 2.	
Faculty 27, Tenured 22, Tenured faculty who published 20				Total: 3	
Graduate Students: part-time 6; full-time 33; full-time first year 8					
Teaching Assistantship (21:4)	15000	9	12 Grade, teach, tutor	104.17	
University of North Florida, Jacksonville 32224					
MATHEMATICS AND STATISTICS (Ad on p. 18)			Applications due: 2/20	Master's only: yes	
http://www.unf.edu/coas/math-stat			Contact number: 904-620-2653	Stand alone: PM, AM, 2T, ST	
Scott H. Hochwald, Chair			Internship: yes	Bachelor's by dept.	9
Faculty 21, Tenured 18, Tenured faculty who published 12				Master's by dept.	1
Graduate Students: part-time 8; full-time 12; full-time first year 6					
Teaching Assistantship (12:6)	11000	9	18 Grade, teach, office hours	no	
University of South Florida, Tampa 33620					
MATHEMATICS			Applications due: 3/1	Bachelor's by dept.	33
http://www.math.usf.edu			Contact number: 813-974-5329	Master's by dept.	12
Marcus McWaters, Chair			Foreign languages: 0	Doc. (01/04) ANT 1, GT 1,	
Faculty 32, Tenured 29, Tenured faculty who published 22				AM 1. Total: 3	
Graduate Students: part-time 15; full-time 72; full-time first year 20					
Teaching Assistantship (51:12)	12000–13260	9	20 Grade, teach	no	

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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GEORGIA

Emory University, Atlanta 30322

BIOSTATISTICS

Michael H. Kutner, Chair

Faculty 10, Tenured 9, Tenured faculty who published 9

Graduate Students: part-time 10; full-time 51; full-time first year 19

Fellowship (6:–)	19000–23000	12
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Teaching Assistantship (6:–)	19000	12
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Research Assistantship (6:–)	19000	12
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Other (9:6)	19000	12
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*Depends on application.

Applications due: *

Contact number: 404-727-3968

Internship: yes

Foreign languages: 0

10	121
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10	121
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10	121
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10	
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Stand alone: ST

Master's by dept. 10

Doc. (01/04) B 7. Total: 7

MATHEMATICS AND COMPUTER SCIENCE

<http://www.mathcs.emory.edu>

Dwight Duffus, Chair

Faculty 24, Tenured 21, Tenured faculty who published 18

Graduate Students: part-time 1; full-time 41; full-time first year 14

Teaching Assistantship (44:14)	13000–21480	9–12	422
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Applications due: 1/20

Contact number: 404-727-7580

Foreign languages: 1

20	Grade, teach	109
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Stand alone: CS

Bachelor's by dept. 49

Master's by dept. 11

Doc. (01/04) ANT 2, DMC 6,

Other 1. Total: 9

Georgia Institute of Technology, Atlanta 30332-0160

MATHEMATICS

<http://www.math.gatech.edu>

William T. Trotter, Chair

Faculty 56, Tenured 37, Tenured faculty who published 35

Graduate Students: part-time 6; full-time 112; full-time first year 24

Fellowship (16:5)	23100–25100	12	960
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Teaching Assistantship (41:6)	16800–19440	12	960
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Research Assistantship (8:2)	19440	12	960
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Applications due: 2/1

Contact number: 404-894-5355

Internship: yes

Foreign languages: 0

13	Research	48
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13	Teach	48
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13	Research	48
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Bachelor's by dept. 20

Master's by dept. 17

Doc. (01/04) ANT 1, RCA 2,

P 5, AM 1, DMC 4, NA 4,

LNO 1, Other 5. Total: 23

Georgia State University, Atlanta 30303

MATHEMATICS AND STATISTICS

<http://www.mathstat.gsu.edu>

Johannes Hattlingh, Chair

Faculty 25, Tenured 15, Tenured faculty who published 13

Graduate Students: part-time 25; full-time 15; full-time first year 8

Teaching Assistantship (6:0)	8100–16200	12	1135
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Research Assistantship (4:0)	8000	12	1135
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Laboratory Assistantship (7:2)	6000	12	1135
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Applications due: 3/1

Contact number: 404-651-2253

Internship: yes

Teach	85
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Research	85
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10	Assist faculty
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Master's only: yes

Stand alone: PM, AM, ST, OT

Bachelor's by dept. 22

Master's by dept. 7



Department of Mathematics & Statistics

Master of Science in Mathematical Sciences

- Common core of mathematics, statistics, and computing
- Specialize in mathematics or in statistics
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- Small classes
- Excellent employment opportunities

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email cpanchal@unf.edu

Check out the website! <http://www.unf.edu/coas/math-stat/>

UNF

EMORY UNIVERSITY

DEPARTMENT OF MATHEMATICS AND COMPUTER SCIENCE

The Department offers M.A. and M.S. degrees in Mathematics and in Computer Science and the Ph.D. in Mathematics. Ph.D. students may specialize in many areas including algebra, applied mathematics, computational mathematics, combinatorics, complex analysis, differential equations, differential geometry, dynamical systems, graph theory, numerical linear algebra, and topology. Ph.D. students may concurrently pursue the Computer Science M.S. degree.

Financial Aid - The Department offers aid in the form of *fellowships*, and *tuition waivers*. Awards carry a stipend of \$16,480 (Math Ph.D.) or \$13,000 (CS MS) for nine months, plus full tuition. All assistants typically grade, conduct tutorials, or serve as lab reps during their first year and mathematics assistants teach one class per semester in later years.

Completed applications must be received by February 15, 2005 (Math PhD) or March 1 (CS MS).

Special Fellowships - The University also offers a number of competitive fellowships. Students with outstanding undergraduate records who would like to be considered for these awards are required to apply by January 3, 2005.

For further information see our web page at www.mathcs.emory.edu or contact -

Director of Graduate Studies
Department of Mathematics and Computer Science
Emory University
Atlanta, Georgia 30322

G E O R G I A



Georgia Tech offers Ph.D. programs in Mathematics, in Algorithms, Combinatorics and Optimization (ACO), and in Bioinformatics, and M.S. programs in Applied Mathematics, in Statistics, and in Quantitative and Computational Finance (QCF).

Research: The School of Mathematics has strong research efforts in algebra and number theory, discrete mathematics, dynamical systems, functional analysis, geometry and topology, mathematical physics, numerical analysis, ordinary and partial differential equations, probability and statistics, and wavelets.

The Center for Dynamical Systems and Non-linear Studies is associated with the School.



Fellowships: The School of Mathematics offers both Teaching and Research Assistantships at 12-month stipends of \$19,440 for all Ph.D. students. To outstanding students from the United States, Georgia Tech offers Presidential Fellowships, as well as Presidential Minority Fellowships and Goizueta Fellowships. The Presidential Fellowships currently provide an additional stipend of \$5,500 per year and are renewable for four years. The Goizueta Fellowships, for Hispanic Americans, provide an additional stipend of \$4000 and are renewable annually.

NSF VIGRE traineeships: These five-year traineeships have a 12 month stipend of \$23,100, with a total of 30 months of non-teaching support and a discretionary fund of \$1000. VIGRE recipients are also eligible for Presidential Fellowships.

Information: Call (404) 894-5366, or visit our website at www.math.gatech.edu, or send an email to: grad-coordinator@math.gatech.edu. Write: Graduate Coordinator, School of Mathematics, Georgia Institute of Technology, Atlanta, Georgia 30332-0160.

TECH

TECH

TECH

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Georgia, Athens 30602					
MATHEMATICS			Applications due: 1/15		Stand alone: PM, AM
http://www.math.uga.edu			Contact number: 706-542-2211		Bachelor's by dept. 32
Joseph H. G. Fu, Head			Internship: yes		Master's by dept. 4
Faculty 35, Tenured 30, Tenured faculty who published 25			Foreign languages: 2		Doc. (01/04) ANT 5, RCA 1, GT 5, P 1, NA 1. Total: 13
Graduate Students: part-time 4; full-time 44; full-time first year 9					
Fellowship (8:3)	21000	12 500	10 Research	120	
Teaching Assistantship (35:6)	12742–13586	9 500	16 Teach, grade	120	
Research Assistantship (1:0)	13586	9 500	Research	120	
STATISTICS			Applications due: 2/15		Bachelor's by dept. 11
http://www.stat.uga.edu			Contact number: 706-542-5232		Master's by dept. 27
John Stufken, Head			Internship: yes		Doc. (01/04) S 8. Total: 8
Faculty 15, Tenured 12, Tenured faculty who published 12			Foreign languages: 0		
Graduate Students: part-time –; full-time 70; full-time first year 23					
Fellowship (–:–)	12616–13452	9	18 Minimal grading	63	
Teaching Assistantship (–:–)	12616–13452	9	18 Grade, teach	63	
Research Assistantship (–:–)	12616–13452	9	18 Research	63	
Other (–:–)	13452	9	18 Consult		

HAWAII

University of Hawaii at Manoa, Honolulu 96822

MATHEMATICS			Applications due: *		Bachelor's by dept. 11
http://www.math.hawaii.edu			Contact number: 808-956-8792		Master's by dept. 0
Thomas C. Craven, Chair			Foreign languages: 2		Doc. (01/04) ANT 1. Total: 1
Faculty 28, Tenured 26, Tenured faculty who published 21					
Graduate Students: part-time 6; full-time 15; full-time first year 3					
Teaching Assistantship (11:3)	14382–18198	9 60**	12 ^c Grade, teach	91**	
*Foreign: 1/15; domestic: 3/1.					
**Subject to change. New rates not yet available.					

IDAHO

Idaho State University, Pocatello 83209

MATHEMATICS			Applications due: 3/15		Bachelor's by dept. 7
http://www.isu.edu/math/			Contact number: 208-282-2401		Master's by dept. 2
Dennis Stowe, Chair			Internship: yes		Doc. (01/04) ANT 1, Other 1.
Faculty 17, Tenured 11, Tenured faculty who published 5			Foreign languages: 0		Total: 2
Graduate Students: part-time 1; full-time 9; full-time first year 5					
Fellowship (3:1)	11579	9		*	
Teaching Assistantship (6:4)	8278	9	14 Tutor, proctor, computer labs	*	

*Included.

University of Idaho, Moscow 83844-1103

MATHEMATICS			Applications due: 8/1		Bachelor's by dept. 19
http://www.uidaho.edu/math			Contact number: 208-885-6742		Master's by dept. 11
Monte Boisen, Chair			Foreign languages: 1		Doc. (01/04) DMC 1. Total: 1
Faculty 16, Tenured 12, Tenured faculty who published 9					
Graduate Students: part-time 35; full-time 18; full-time first year 6					
Teaching Assistantship (11:5)	13626	9 3998	20 Teach	yes	
Research Assistantship (6:0)	18900–22000	12	20 Research	yes	

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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ILLINOIS

DePaul University, Chicago 60614

MATHEMATICAL SCIENCES

http://www.depaul.edu/~math

Ahmed Zayed, Chair

Faculty 24, Tenured 20, Tenured faculty who published –

Graduate Students: part-time 10; full-time 80; full-time first year 45

Tuition Waiver (11:8) 1500–3000 9 *

*\$5000 waivers.

Applications due: 4/30

Contact number: 773-325-7806

Master's only: yes

Stand alone: AM, K–12, AS, ST

Bachelor's by dept. 18

Master's by dept. 48

Eastern Illinois University, Charleston 61920

MATHEMATICS AND COMPUTER SCIENCE

http://www.eiu.edu/~math/gradua.htm

Peter Andrews, Chair

Faculty 23, Tenured 18, Tenured faculty who published 12

Graduate Students: part-time 1; full-time 7; full-time first year 4

Teaching Assistantship (7:3) 6300 9 900 10 Grade, teach 17

Applications due: 3/1

Contact number: 217-581-2028

Master's only: yes

Stand alone: PM, K–12

Bachelor's by dept. 25

Master's by dept. 6

Illinois Institute of Technology, Chicago 60616

APPLIED MATHEMATICS

http://www.iit.edu

E. F. Stueben, Chair, Chair

Faculty 12, Tenured 9, Tenured faculty who published 6

Graduate Students: part-time 3; full-time 10; full-time first year 3

Fellowship (1:0) 13500 55

Teaching Assistantship (10:3) 13500 9 55

Applications due: 8/20

Contact number: 312-567-8984

Stand alone: K–12

Doc. (01/04) AM 1. Total: 1

Illinois State University, Normal 61790-4520

MATHEMATICS

http://www.math.ilstu.edu

George Seelinger, Chair

Faculty 30, Tenured 17, Tenured faculty who published 16

Graduate Students: part-time 30; full-time 27; full-time first year 16

Teaching Assistantship (22:11) 8100–11385 9 365 20 Teach 116

Research Assistantship (6:3) 11500–22000 12 365 20 Research 116

Applications due: 4/1

Contact number: 309-438-8781

Internship: yes

Foreign languages: 0

Stand alone: PM, K–12, AS, ST

Bachelor's by dept. 55

Master's by dept. 16

Doc. (01/04) Other 19.

Total: 19

Loyola University, Chicago 60626

MATHEMATICS AND STATISTICS

http://www.math.luc.edu

Anthony Giaquinto, Chair

Faculty 21, Tenured 18, Tenured faculty who published 10

Graduate Students: part-time 2; full-time 15; full-time first year 10

Teaching Assistantship (6:4) 8000 9 10–20 Teach, tutor 88

Applications due: 2/1

Contact number: 773-508-3558

Internship: yes

Master's only: yes

Stand alone: PM, AM, ST

Bachelor's by dept. 15

Master's by dept. 16

Northern Illinois University, DeKalb 60115

MATHEMATICAL SCIENCES (Ad on p. 22)

http://www.math.niu.edu

W. D. Blair, Chair

Faculty 47, Tenured 44, Tenured faculty who published 40

Graduate Students: part-time 25; full-time 52; full-time first year 12

Fellowship (1:0) 22000 12 990 15 Teach, grade 52

Teaching Assistantship (50:10) 9994–14157 9 990 52

Applications due: 6/1

Contact number: 815-753-6775

Internship: yes

Foreign languages: 1

Bachelor's by dept. 32

Master's by dept. 14

Doc. (01/04) ANT 2, RCA 1,

S 2, NA 2, Other 1. Total: 8

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
Northern Illinois University, DeKalb 60115 (continued)					
STATISTICS http://www.math.niu.edu/StatDiv Sudhir Gupta, Director Faculty 9, Tenured 9, Tenured faculty who published 9 Graduate Students: part-time 5; full-time 29; full-time first year 12 Teaching Assistantship (18:7) 4950–12663 9 942			Applications due: 5/1 Contact number: 815-753-6778 Internship: yes	Master's only: yes Stand alone: ST Master's by dept. 9	
			* Grade, teach	36	
*10 hours part-time; 20 hours full-time.					
Northwestern University, Evanston 60208					
ENGINEERING SCIENCES AND APPLIED MATHEMATICS Alvin Bayliss, Chair Faculty 12.5, Tenured 11, Tenured faculty who published 11 Graduate Students: part-time –; full-time 30; full-time first year 8 Fellowship (13:8)* 1600–2000 9 Teaching Assistantship (7:1)* 1600 9			Applications due: no date given Contact number: 847-491-3345 Internship: yes	Bachelor's by dept. 7 Doc. (01/04) AM 8. Total: 8.	
			20 Grade, teach, research	181	
Research Assistantship (12:0)* 1600 9–12				181	
*Some students supported in different quarters by different sources.					
MATHEMATICS http://www.math.northwestern.edu/graduate/ Paul G. Goerss, Chair Faculty 29, Tenured 23, Tenured faculty who published – Graduate Students: part-time 0; full-time 43; full-time first year 12 Fellowship (10:10) 18000 12 Teaching Assistantship (22:1) 18876 12 Research Assistantship (10:0) 18876 12 Dean's Dissertation Fellowship (1:0) 18876–20000 12			Applications due: 1/15 Contact number: 847-491-8035 Foreign languages: 0	Bachelor's by dept. 34 Master's by dept. 2 Doc. (01/04) ANT 3, RCA 2, GT 6, AM 1, Other 5. Total: 17	
			12 Grade, teach	112	
			12 Grade, teach	112	
			30 Research	112	
			40 Research		

GRADUATE STUDY IN MATHEMATICAL SCIENCES



NORTHERN ILLINOIS
UNIVERSITY

The Department of Mathematical Sciences offers graduate programs of instruction and research leading to:

- the **Master of Science** degree in mathematics with specializations in pure mathematics, applied mathematics, computational mathematics, and mathematics education;
- the **Master of Science** degree in applied probability and statistics;
- the **Doctor of Philosophy** degree in mathematical sciences.

Seventy full-time graduate students work closely with 50 faculty members who publish research on a regular basis. Active areas of research include algebra, applied mathematics, complex analysis, computational mathematics, differential equations, differential geometry, functional analysis, mathematics education, number theory, and probability and statistics.

The Ph.D. program is nontraditional in that all students develop a significant application of the computer in their area of research and spend at least one semester working at a governmental or industrial research facility prior to completing the degree. The combination of course work, experience, and research enables a graduate of the program to pursue either an academic or a non-academic career.

Financial Aid: Most full-time graduate students receive financial aid in the form of teaching assistantships. These positions carry nine-month stipends and include a full tuition waiver. Experienced teaching assistants have the opportunity to teach with full responsibility and an enhanced stipend. Financial aid decisions begin on March 1 and continue until all positions are filled.

Northern Illinois University is a large and diverse institution with approximately 15,000 undergraduates and 6,000 graduate students. The main campus is located in DeKalb, a pleasant residential community of 35,000 located 65 miles west of Chicago via Interstate 88.

For information, contact

Professor Bernard Harris
Director of Graduate Studies
Department of Mathematical Sciences
Northern Illinois University
DeKalb, Illinois 60115-2888
(815) 753-6775

Internet: gradprog@math.niu.edu

Visit our home page:

<http://www.math.niu.edu/programs/grad>

Northern Illinois University is an Equal Opportunity/Affirmative Action Institution.
www.niu.edu 5/04 27289

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
Southern Illinois University at Carbondale 62901-4408					
MATHEMATICS			Applications due: 1/15		Bachelor's by dept. 18
http://www.math.siu.edu			Contact number: 618-453-5302		Master's by dept. 19
Andrew G. Earnest, Chair					Doc. (01/04) ANT 1, P 1, S 2,
Faculty 30, Tenured 25, Tenured faculty who published 22					DMC 1, NA 2. Total: 7
Graduate Students: part-time 2; full-time 33; full-time first year 14					
Fellowship (1:0)	1100	11		75	
Teaching Assistantship (25:13)	1224–1326	10	20	Grade, teach 75	
Southern Illinois University at Edwardsville 62026					
MATHEMATICS AND STATISTICS			Applications due: no date given		Master's only: yes
http://www.siu.edu/MATH/					Stand alone: PM, AM, K–12,
K. Jarosz, Chair					AS, ST, OR
Faculty 18, Tenured 13, Tenured faculty who published 10					
Graduate Students: part-time –; full-time 40; full-time first year –					
Teaching Assistantship (20:8)	3600–7200	9	10–20	no	
University of Chicago, Chicago 60637					
MATHEMATICS			Applications due: 1/3		Stand alone: OT
http://www.math.uchicago.edu			Contact number: 773-702-0702		Bachelor's by dept. 73
Kevin Corlette, Chair			Foreign languages: 1		Master's by dept. 19
Faculty 59, Tenured 31, Tenured faculty who published –					Doc. (01/04) Other 34.*
Graduate Students: part-time 0; full-time 84; full-time first year 16					Total: 34
Fellowship (16:16)	16497–20747	9		184**	
Teaching Assistantship (84:–)	16497–20747	9	12	Teach, lecture 184**	
Research Assistantship (100:–)	4000	3	10	Research	
*Fields of specialization not tracked.					
**The cost of yearly "Basic" Student Insurance (\$1656) is paid by the Physical Science Division. The division also pays quarterly (\$146) health fee.					

NORTHWESTERN UNIVERSITY GRADUATE STUDIES IN MATHEMATICS

DEGREE PROGRAMS: The Ph.D. program at Northwestern is characterized by a faculty that is highly research-oriented, a faculty-graduate student ratio of approximately 1:1 and a tradition of close personal advising that has resulted in a high rate of success for our graduates. Our major areas of activity include algebra, algebraic topology, representation theory, dynamical systems, mathematical physics, number theory, partial differential equations, and probability theory.

FINANCIAL AID: All applicants are considered for financial aid, which provides a tuition waiver and a twelve-month stipend of approximately \$18,876. The teaching responsibilities require two or three contact hours per week, substantially less than at many other universities.

LOCATION: Northwestern is located in the attractive suburb of Evanston, just north of Chicago. We have a beautiful lakeside campus on the shores of Lake Michigan with ready access to the many cultural advantages of a large and exciting city.

APPLICATION: For additional information see the department website
<http://www.math.northwestern.edu/> or write to:

Director of Graduate Studies
Department of Mathematics
Northwestern University
2033 Sheridan Road
Evanston, IL 60208-2730

Applications should be submitted on line through the Northwestern Graduate School at
<http://www.northwestern.edu/graduate/admission/adindex.html>.
The deadline for applying for financial aid is January 15, 2005.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Chicago, Chicago 60637 (continued)					
STATISTICS http://galton.uchicago.edu Steven P. Lalley, Chair Faculty 14, Tenured 8, Tenured faculty who published 8 Graduate Students: part-time 5; full-time 66; full-time first year 26			Applications due: 2/1 Contact number: 773-702-8333 Internship: yes Foreign languages: 0	Stand alone: ST Bachelor's by dept. 3 Master's by dept. 15 Doc. (01/04) S 18. Total: 18	
Fellowship*(-:-)	1833	9 **	15	184	
Teaching Assistantship*(-:-)	1833	9 **	15 Teach, grade	184	
Research Assistantship*(-:-)	1833	9 ***	15 Research	184	
M.S. Tuition Award (15:15)		9			
*Ph.D. Each quarter student receives and alternates assistance. **Domestic students: \$39; international students: \$64. ***Varies, depends on award.					

University of Illinois at Chicago 60607

MATHEMATICS, STATISTICS, AND COMPUTER SCIENCE http://www.math.uic.edu/programs/gradstudies Jerry Bona, Head Faculty 58, Tenured 52, Tenured faculty who published 45 Graduate Students: part-time 49; full-time 170; full-time first year 70			Applications due: 1/1 Contact number: 312-996-3041 Foreign languages: 1	Stand alone: PM, AM, K–12, ST, CS Bachelor's by dept. 101 Master's by dept. 53 Doc. (01/04) ANT 12, RCA 1, GT 1, P 2, S 3, AM 3, Other 3. Total: 25	
Fellowship (9:0)	15000–30000	12 1372		80	
Teaching Assistantship (74:16)	6471-12942	9 1372	20 Grade, teach	80	
Research Assistantship (12:0)	6471-12942	9 1372	20 Research	80	
Other (12:1)		sem. 1372			

University of Illinois at Urbana-Champaign, Urbana 61801

MATHEMATICS http://www.math.uiuc.edu Daniel R. Grayson, Chair Faculty 71, Tenured 55, Tenured faculty who published 40 Graduate Students: part-time –; full-time 207; full-time first year 37			Applications due: 1/1 Contact number: 217-333-3350 Foreign languages: 2	Stand alone: PM, AM, AS Bachelor's by dept. 174 Master's by dept. 33 Doc. (01/04) ANT 15, RCA 8, GT 7, L 8, P 3, AM 7, DMC 3. Total: 51	
Fellowship (38:11)	3750–18000	9–12 0–1300		0–20	
Teaching Assistantship (120:28)	7599–15198	4.5–9 1300	12–18 Teach, grade	20	
Research Assistantship (12:2)	7599–15198	4.5–9 1300	12–18 Research	20	

UIC**The University of Illinois at Chicago**

The Department of Mathematics, Statistics, and Computer Science at the University of Illinois at Chicago (UIC) offers M.S. and Ph.D. degrees in Pure Mathematics, Applied Mathematics, Statistics, and Computer Science, as well as professional Master's degrees in the Teaching of Math (MST) and in Mathematics and Information Sciences for Industry (MISI).

We have strong, active research programs in a wide range of areas, including Algebra, Algebraic Geometry, Applied Mathematics, Computer Science, Coding Theory, Dynamical Systems, Game Theory, Logic, Low-dimensional topology, Number Theory, Probability and Statistics.

Teaching positions, research assistantships, and University Fellowships are available to qualified domestic and international students.

UIC is located in the shadow of the Sears tower near the Chicago Loop. UIC students can take advantage of Chicago's tremendous range of cultural and recreational activities.

Department of Mathematics, Statistics, and Computer Science (M/C 249) • 851 S. Morgan Street • Chicago, IL 60607
Phone: (312) 996-3041 • email: dgs@math.uic.edu • <http://www.math.uic.edu/programs/gradstudies>



University of Illinois at Urbana-Champaign

Graduate Studies in Mathematics

www.math.uiuc.edu/GraduateProgram

Programs of Study

Algebra

Commutative Algebra
Group Theory
Geometric Group Theory
Representation Theory
Algebraic Geometry

Analysis

Complex Analysis
Several Complex Variables
Functional Analysis
Ergodic Theory
Nonstandard Analysis
Potential Theory

Combinatorics

Finite Sets
Graph Theory
Optimization

Differential Equations and

Applied Mathematics

Stochastic DE's
Dynamical Systems

Geometry

Differential Geometry
Global Analysis
Differential Topology
Symplectic Geometry

Logic

Computability Theory
Model Theory
Set Theory

Number Theory

Analytic Number Theory
Algebraic Number Theory
Elliptic Curves & Modular Forms
Coding Theory/Cryptography

Probability

Topology

Algebraic Topology
Geometric Topology

Graduate Programs

The Department offers Master's degrees in Mathematics, Applied Mathematics (with specializations in Actuarial Science, Applications to the Sciences, Optimization and Algorithms, and Computational Science and Engineering), the Teaching of Mathematics, and the Doctor of Philosophy (Ph.D.) degree in Mathematics.

The Department and Faculty

The Department consists of 71 full time faculty members, 19 post-doctoral faculty and a number of visiting faculty. It is housed largely in Altgeld Hall, a massive stone romanesque building in the heart of campus that contains one of the world's largest mathematics libraries with over 75,000 volumes and more than 900 mathematical periodicals. There is a lively schedule of about twenty research seminars and lectures each week, many seminars being given by graduate students. The faculty and the 200 graduate students form a major mathematical community. About half of the students are international students and about 30 percent of the students are women.

Financial Aid

The academic year stipend for a graduate teaching assistant during 2005-06 will be at least \$15,198. The teaching assistantships includes a tuition waiver and a waiver of some fees. We expect to admit about 15-20 new teaching assistants, each having a standard teaching load of 4 hours per week. There may be several partial fellowships for new students that can be supplemented by teaching. Living costs are low in this university-centered city; a one bedroom apartment rents for about \$450 per month.

Further Information

Professor Phillip Griffith
Director of Graduate Studies
Department of Mathematics
University of Illinois
1409 W. Green Street
Urbana, IL 61801

Tel: (217) 333-5749 or 333-3354
E-mail: griffith@math.uiuc.edu
Fax: (217) 333-9576

For detailed information about the entire program, visit our website at www.math.uiuc.edu/GraduateProgram.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEEs paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003-2004
University of Illinois at Urbana-Champaign, Urbana 61820 (continued)					
STATISTICS http://www.stat.uiuc.edu Douglas Simpson, Chair Faculty 8, Tenured 6, Tenured faculty who published 6 Graduate Students: part-time 2; full-time 43; full-time first year 13			Applications due: 2/15 Contact number: 217-333-2167 Internship: yes Foreign languages: 0	Stand alone: ST Bachelor's by dept. Master's by dept. Doc. (01/04) S 7. Total: 7	5 17
Teaching Assistantship (12:6)	14832-15132	9	10 Grade	35	
Research Assistantship (14:-)	14832-15132	9	20 Teach	35	
Graduate Assistantship (5:0)	14832-15132		20 Research		

Western Illinois University, Macomb 61455

MATHEMATICS http://wiu.edu/mathematics Iraj Kalantari, Chair Faculty 27, Tenured 14, Tenured faculty who published 11 Graduate Students: part-time 1; full-time 11; full-time first year 7			Applications due: * Contact number: 309-298-1054, 309-298-2467	Master's only: yes Stand alone: PM, AM, ST Bachelor's by dept. Master's by dept.	
Teaching Assistantship (11:7)	3912-5864	8 **	10-15 Grade, teach	61	

*Until filled.

**Fees: \$325 per semester. Tuition is waived for full-time students.

INDIANA**Ball State University, Muncie 47306**

MATHEMATICAL SCIENCES http://www.bsu.edu/web/math/index.html Dale E. Umbach, Chair Faculty 23, Tenured 14, Tenured faculty who published 13 Graduate Students: part-time -; full-time 15; full-time first year 9			Applications due: 2/1 Contact number: 765-285-8640	Master's only: yes Stand alone: PM, K-12, AS, ST Bachelor's by dept. Master's by dept.	
Teaching Assistantship (15:9)	10500	9 1204	20	50	

BALL STATE
UNIVERSITY**Department of Mathematical Sciences**

offers Master's degrees in

**Actuarial Science | Mathematics
Statistics | Mathematics Education**

The Department offers Master's degrees in Actuarial Science, Statistics, Mathematics Education, and Mathematics. These 30-33 semester-hour degrees can be reasonably tailored to the goals and background of each student. Program prototypes are listed on the department's web page. Recent graduates have taken jobs as actuaries, statisticians, or teachers in secondary schools and two-year colleges. Other graduates have entered doctoral programs in Statistics, Mathematics, and Mathematics Education.

The department has 23 faculty active in Actuarial Science, Differential Equations, Differential Geometry, Financial Mathematics, Geometric Topology, Lie Algebras, Mathematics Education, Numerical Analysis, and Statistics. Seminar participation encourages informal interaction between faculty and students. Our program size ensures that students receive close personal attention in their academic endeavors.

Graduate Assistants receive a stipend and tuition remission. Support is normally provided for two years. Partial summer support is usually available for a limited number of assistants. Assistantship duties include teaching one class per semester, tutoring at the University College Learning Center, or assisting in the department's computer laboratory. Of 14 or 15 budgeted assistantships, 6 or 7 are expected to be available for Fall of 2005. Evaluation of applications begins **February 1, 2005**.

For further information, **write** to Director of Graduate Programs, Department of Mathematical Sciences, Ball State University, Muncie, IN 47306-0490, **call** 765-285-8640, **e-mail** ssump@bsu.edu, or **browse** the department's web site at www.bsu.edu/web/math/. Students may apply online.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
Indiana University, Bloomington 47405-7106					
MATHEMATICS			Applications due: 1/15		Stand alone: PM, AM, ST, OT
David Hoff, Chair			Contact number: 812-855-2645		Bachelor's by dept. 45
Faculty 46, Tenured faculty who published 41			Foreign languages: 1		Master's by dept. 20
Graduate Students: part-time 7; full-time 131; full-time first year 36					Doc. (01/04) ANT 2, RCA 2, GT 1, S 3, AM 7, NA 1.
Fellowship (20:6)	19400–20000	12	Research	0	Total: 16
Teaching Assistantship (104:29)	13680–15380	9	20 Grade, teach	0	
Research Assistantship (1:1)	14880–15380	9	20 Research	0	
Indiana University-Purdue University at Fort Wayne 46805					
MATHEMATICS			Applications due: 7/1		Master's only: yes
http://www.ipfw.edu/math			Contact number: 260-481-6222		Stand alone: PM, AM
David Legg, Chair					Bachelor's by dept. 10
Faculty 26, Tenured 21, Tenured faculty who published 20					Master's by dept. 5
Graduate Students: part-time 5; full-time 15; full-time first year 7					
Teaching Assistantship (12:5)	12000	9	6 ^c Teach	no	
Indiana University-Purdue University, Indianapolis 46202					
MATHEMATICAL SCIENCES			Applications due: 2/1		Stand alone: PM, AM, K–12, ST
http://www.math.iupui.edu			Contact number: 317-274-6918		Bachelor's by dept. 8
Benzion Boukai, Chair			Internship: yes		Master's by dept. 9
Faculty 28, Tenured 26, Tenured faculty who published 24			Foreign languages: 1		Doc. (01/04) RCA 3, Total: 3
Graduate Students: part-time 45; full-time 20; full-time first year 7					
Fellowship (2:1)	18000	12	26/cr.	0	
Teaching Assistantship (8:3)	8000–13500	10	20 Teach, tutor	0	
Research Assistantship (1:0)	14000	10	20 Research	0	
Other (1:0)	13500	10	20 *		
*Math Assistance Center.					
Purdue University, West Lafayette 47907-2067					
MATHEMATICS			Applications due: *		Bachelor's by dept. 118
http://www.math.purdue.edu			Contact number: 765-494-1908		Master's by dept. 23
Leonard Lipshitz, Head			Foreign languages: 1		Doc. (01/04) ANT 7, RCA 6, GT 4, P 6, AM 2, NA 1, Other 2.
Faculty 57, Tenured 53, Tenured faculty who published 47					Total: 28
Graduate Students: part-time 0; full-time 175; full-time first year 48					
Fellowship (22:7)	15800–22300	12		13	
Teaching Assistantship (168:30)	12600–16000	10	20	18	
Research Assistantship (16:–)	14500–15000	10		18	
Summer Teaching					
Assistantship (70:–)	2520–3200	1/2**			
Summer Research					
Assistantship (31:–)	2400–2900	1/2**			
*Fellowship: 2/1; assistantship: 3/1.					
**New students: \$522; continuing students: \$428. International students pay an additional \$50 fee.					
Purdue University, West Lafayette 47907-2068					
STATISTICS			Applications due: 1/15		Master's by dept. 24
http://www.stat.purdue.edu			Contact number: 765-494-3141		Doc. (01/04) S 19. Total: 19
Mary Ellen Bock, Head			Internship: yes		
Faculty 26, Tenured 15, Tenured faculty who published 14			Foreign languages: 1		
Graduate Students: part-time 38; full-time 70; full-time first year 25					
Fellowship (10:8)	24000–26000	12		no	
Teaching Assistantship (45:15)	15000–22500	10	20 Grade, teach	18.16	
Research Assistantship (15:0)	15000–18333	10	20 Research	18.16	

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Notre Dame, Notre Dame 46556					
MATHEMATICS			Applications due: 2/1		Stand alone: AM
William Dwyer, Chair			Contact number: 574-631-7083		Bachelor's by dept. 49
Faculty 41, Tenured 37, Tenured faculty who published –			Internship: yes		Master's by dept. 6
Graduate Students: part-time 0; full-time 54; full-time first year 19			Foreign languages: 1		Doc. (01/04) ANT 3, GT 4,
Fellowship (43:19)	17600–24500	12		yes	L 4, AM 7, Other 3. Total: 21

IOWA

Iowa State University, Ames 50011-2064

MATHEMATICS			Applications due: 2/1		Stand alone: PM, AM, K–12
http://www.math.iastate.edu			Contact number: 515-294-0393		Bachelor's by dept. 24
Justin Peters, Chair			Foreign languages: 1		Master's by dept. 15
Faculty 46, Tenured 37, Tenured faculty who published 30					Doc. (01/04) ANT 1, GT 1,
Graduate Students: part-time 30; full-time 67; full-time first year 16					AM 2, NA 7, Other 7. Total: 18
Fellowship (2:0)	15000–24000	9	20	Research	0
Teaching Assistantship (52:16)	13500–17700	9	20	Grade, teach	0
Research Assistantship (2:0)	15000–17000	9	20	Research	0

Iowa State University, Ames 50011-1210

STATISTICS			Applications due: 3/15		Stand alone: ST
http://www.stat.iastate.edu			Contact number: 515-294-7738		Bachelor's by dept. 9
Kenneth J. Koehler, Chair			Internship: yes		Master's by dept. 38
Faculty 36, Tenured 29, Tenured faculty who published 28			Foreign languages: 0		Doc. (01/04) S 24. Total: 24
Graduate Students: part-time –; full-time 108; full-time first year 19					
Fellowship (16:6)	1800/mo.	12	10	Teach, research, consult	yes
Teaching Assistantship (29:12)	1525–1575/mo.	9	20	Teach	yes
Research Assistantship (36:2)	1475–1525/mo.	12	20	Research, consult	yes

University of Iowa, Iowa City 52242

APPLIED MATHEMATICAL AND COMPUTATIONAL SCIENCES			Applications due: 1/15		Bachelor's by dept. 0
http://www.math.uiowa.edu/amcs/			Contact number: 319-335-0790		Master's by dept. 0
Herbert W. Hethcote, Chair			Internship: yes		Doc. (01/04) S 1, AM 5, NA 3,
Faculty 0*, Tenured –, Tenured faculty who published –			Foreign languages: 0		LNO 2. Total: 11
Graduate Students: part-time 3; full-time 29; full-time first year 4					
Fellowship (8:2)	19000–25000	12			60
Teaching Assistantship (15:2)	15920–17410	9	4 ^c	Teach	60
Research Assistantship (4:0)	15920–17410	9	16	Research	60

*Interdisciplinary program.

BIOSTATISTICS			Applications due: 3/15		Stand alone: OT
http://www.public-health.uiowa.edu/biostat			Contact number: 319-384-5021		Bachelor's by dept. 0
Kathryn Chaloner, Head			Internship: yes		Master's by dept. 10
Faculty 11, Tenured 7, Tenured faculty who published 7			Foreign languages: 0		Doc. (01/04) B 6. Total: 6
Graduate Students: part-time –; full-time 37; full-time first year 8					
Fellowship (1:0)	19748	12			11
Teaching Assistantship (4:3)	18932–19748	12	20	Teach, grade	11
Research Assistantship (26:5)	18932–19748	12	20	Research	11

MATHEMATICS			Applications due: *		Stand alone: PM, AM, K–12
http://www.math.uiowa.edu			Contact number: 319-335-0708		Bachelor's by dept. 57
David Manderscheid, Chair			Foreign languages: 1		Master's by dept. 16
Faculty 41, Tenured 40, Tenured faculty who published 38					Doc. (01/04) ANT 8,
Graduate Students: part-time –; full-time 103; full-time first year 31					RCA 4, GT 4, L 1, NA 1,
Fellowship (13:7)	21000	12			Other 3. Total: 21
Teaching Assistantship (91:21)	15529–17296	9	20		**
Research Assistantship (5:0)	15529–17296	9	20		**

*Spring: 12/1 (domestic); 10/1 (international). Summer: 4/15 (domestic); 3/1 (international).

**Two different plans are available. Monthly payment is \$7 or \$24, depending on which plan student chooses.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Iowa, Iowa City 52242 (continued)					
STATISTICS AND ACTUARIAL SCIENCE			Applications due: 2/15		Bachelor's by dept. 12
http://www.stat.uiowa.edu			Contact number: 319-335-0712		Master's by dept. 30
Luke Tierney, Chair			Internship: yes		Doc. (01/04) S 11. Total: 11
Faculty 17, Tenured 14, Tenured faculty who published 12			Foreign languages: 0		
Graduate Students: part-time 5; full-time 83; full-time first year 24					
Fellowship (1:0)	7745	9 6182		7	
Teaching Assistantship (34:14)	3873–16372	9 4682	15	Grade, teach 7	
Research Assistantship (5:0)	3873–16098	9 4682		Research 7	

University of Northern Iowa, Cedar Falls 50614-0506

MATHEMATICS			Applications due: 2/1		Master's only: yes
http://www.math.uni.edu			Contact number: 319-273-2631		Stand alone: PM, K–12
Jerry Ridenhour, Chair					Bachelor's by dept. 75
Faculty 24, Tenured 18, Tenured faculty who published 16					Master's by dept. 5
Graduate Students: part-time 28; full-time 8; full-time first year 5					
AGEP Fellowship (3:3)	18200	9 5000	20	Tutor, grade 65	
Teaching Assistantship (5:2)	12200	9 5000	20	Tutor, grade 65	

KANSAS**Emporia State University, Emporia 66801**

MATHEMATICS, COMPUTER SCIENCE AND ECONOMICS			Applications due: 4/15		Master's only: yes
http://www.emporia.edu/math-cs/home.htm			Contact number: 620-341-5633		Stand alone: PM, AM, K–12, ST, CS
Larry Scott, Chair					Bachelor's by dept. 27
Faculty 13, Tenured 12, Tenured faculty who published 5					Master's by dept. 2
Graduate Students: part-time 18; full-time 3; full-time first year 1					
Teaching Assistantship (3:1)	6412	9 313	20	Teach 13	

Kansas State University, Manhattan 66506-2606

MATHEMATICS (Ad on p. 30)			Applications due: 2/1		Stand alone: PM, AM
http://www.math.ksu.edu/main			Contact number: 785-532-6750		Bachelor's by dept. 16
Louis Pigno, Head			Foreign languages: 1		Master's by dept. 4
Faculty 29, Tenured 24, Tenured faculty who published 24					Doc. (01/04) GT 1. Total: 1
Graduate Students: part-time 2; full-time 44; full-time first year 17					
Teaching Assistantship (–:–)	10975–22077	9 400	16	As assigned 30	

Kansas State University, Manhattan 66502

STATISTICS			Applications due: 3/1		Bachelor's by dept. 1
http://www.ksu.edu/stats/			Contact number: 785-532-6883		Master's by dept. 8
John E. Boyer, Jr., Head			Internship: yes		Doc. (01/04) S 8. Total: 8
Faculty 12, Tenured 9, Tenured faculty who published 9			Foreign languages: 0		
Graduate Students: part-time 1; full-time 40; full-time first year 10					
Teaching Assistantship (32:8)	12400–18600	9 400	16–20	Teach 60	
Research Assistantship (2:0)	8000–18000	9–12 2400	16–20	Research 60	

Pittsburg State University, Pittsburg 66762

MATHEMATICS			Applications due: 5/1		Master's only: yes
http://www.pittstate.edu/math/math.html			Contact number: 620-235-4401		Stand alone: PM, AM
Timothy W. Flood, Chair					Bachelor's by dept. 12
Faculty 10, Tenured 9, Tenured faculty who published 4					Master's by dept. 5
Graduate Students: part-time 4; full-time 6; full-time first year 2					
Teaching Assistantship (6:2)	4520–5800	9	5–6 ^c	Teach 22	

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Kansas, Lawrence 66045					
MATHEMATICS			Applications due: 3/15*		Bachelor's by dept. 42
http://www.math.ukans.edu			Contact number: 785-864-3651		Master's by dept. 13
Jack Porter, Chair			Internship: yes		Doc. (01/04) ANT 4, RCA 4,
Faculty 28, Tenured 26, Tenured faculty who published 26			Foreign languages: 2		GT 1, NA 1. Total: 10
Graduate Students: part-time 0; full-time 66; full-time first year 30					
Teaching Assistantship (56:23)	15400–17800	9 257	20 Teach	63–140	
Research Assistantship (4:0)	15400–16000	9 257	20 Research	63–140	

*For first consideration.

Wichita State University, Wichita 67260-0033

MATHEMATICS AND STATISTICS			Applications due: 3/1		Bachelor's by dept. 17
http://www.math.wichita.edu			Contact number: 316-978-3160		Master's by dept. 3
Buma Fridman, Chair			Foreign language: 1		Doc. (01/04) RCA 3, S 2,
Faculty 24, Tenured 19, Tenured faculty who published 16					AM 2, NA 1. Total: 8
Graduate Students: part-time 5; full-time 28; full-time first year 13					
Fellowship (3:2)	11000–15500	12 364	20 Grade, teach	yes	
Teaching Assistantship (15:4)	11000–11600	9 364	20 Teach	yes	
Research Assistantship (3:1)	12500	9 977	20 Research, teach	yes	
Other (4:4)	5000–7000	9 2820	20 Grade		



KANSAS
STATE
UNIVERSITY

Kansas State University Graduate Studies in Mathematics

Programs of Study: The Department of Mathematics offers the M.S. and Ph.D. degrees. Our 33 faculty members have diverse mathematical interests and a common dedication to teaching and research. There is a substantial endowment for colloquia and conferences. At present, our strengths lie in classical, complex and harmonic analysis; operator theory and functional analysis; low-dimensional geometry and topology; algebra, representation theory and group theory; applied mathematics and mathematics education. Some of our researchers are actively pursuing such areas as complex dynamics, symplectic geometry, Calabi-Yau manifolds, mirror symmetry, hyperbolic PDE's, the Skyrme model, categorical topology, global analysis, quantum field theory, representation theory of Lie algebras, quantum groups and quivers, and analytic number theory. In addition, our applied mathematics group is active in computational fluid dynamics, wave propagation, reaction diffusion equations, and numerical analysis. All graduate students are afforded close contact with the senior faculty.

Assistantships and Scholarships: Teaching assistantships for AY 2005-06 have stipends of at least \$1219 per month for nine months, with additional summer support of approximately \$2400. There is also a substantial endowment for scholarships and fellowships. All TAs enjoy a full tuition waiver; the remaining miscellaneous fees total approximately \$300 per semester.

For additional information and application forms write to:

Pietro Poggi-Corradini, Director of Graduate Studies
Department of Mathematics, 138 Cardwell Hall, Kansas State University, Manhattan, KS 66506
e-mail: MATH@MATH.KSU.EDU — <http://www.math.ksu.edu/grad>

UNIVERSITY OF KANSAS

Graduate Study in Mathematics

DEGREE PROGRAMS The Department of Mathematics offers programs of study leading to the M.A. and Ph.D. degrees. Programs for these degrees can be designed to emphasize pure mathematics or applied mathematics or statistics. A broad range of programs is possible, since the faculty is actively engaged in research in algebra, analysis, set theory, number theory, operator theory, ordinary and partial differential equations, topology, algebraic geometry, differential geometry, and combinatorics, as well as in the applied areas of probability, statistics, deterministic and stochastic control theory, numerical analysis, computational dynamics, nonlinear dynamics and chaos, geometric visualization, and wavelets.

FINANCIAL AID Teaching assistants receive a waiver of tuition and in academic year 2004-05 have stipends in the range of \$15,400 to \$17,800. Outstanding applicants can compete for graduate school fellowships which provide tuition and fee scholarships and annual stipends between \$12,000 and \$20,000. Summer support is available from teaching assistantships, scholarships and faculty NSF grants.

APPLY TO: Director of Graduate Studies, Department of Mathematics,
1460 Jayhawk Boulevard, University of Kansas, Lawrence, KS 66045-7523
email: kumath@math.ukans.edu



Graduate Programs

*Assistantships
and Fellowships*

Correspondence

PhD in Applied Mathematics

Wichita State University

The Department of Mathematics and Statistics offers graduate programs leading to the MS degree in mathematics and to the PhD degree in applied mathematics. The department has 21 graduate faculty members. Faculty research interests include computational mathematics and numerical analysis, fluid dynamics, inverse problems, mathematical physics, partial differential equations, several complex variables, dynamical systems, probability and statistics.

Regular graduate teaching assistantships pay \$11,000 to \$11,600 per academic year. In addition, several teaching fellowships carrying stipends of \$14,600 to \$16,000 are available for students in the PhD program in applied mathematics. Teaching assistants and fellows teach one 5-hour course or two 3-hour courses per semester and receive a full tuition waiver. Additional summer support is also available.

To receive additional information and application forms, contact:

Graduate Coordinator ■ Department of Mathematics and Statistics ■ Wichita State University
1845 Fairmount ■ Wichita, KS 67260-0033 ■ Telephone: (316)978-3960 ■ FAX: (316)978-3748
Email: kenneth.miller@wichita.edu ■ <http://www.math.wichita.edu/>

Notice of Nondiscrimination: Wichita State University does not discriminate in its programs and activities on the basis of race, religion, color, national origin, gender, age, sexual orientation, marital status, status as a Vietnam Era Veteran or disability. The following person has been designated to handle inquiries regarding nondiscrimination policies: Director, Office of Equal Employment Opportunity, Wichita State University, 1845 Fairmount, Wichita KS 67260-0145; telephone (316)978-3001.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours per week	type of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
KENTUCKY						
<u>Eastern Kentucky University, Richmond 40475</u>						
MATHEMATICS AND STATISTICS						Applications due: 7/31
http://www.math.eku.edu						Contact number: 859-622-5942
Dirk Schlingmann, Chair						Master's only: yes
Faculty 26, Tenured 12, Tenured faculty who published 6						Stand alone: PM, AM, K–12, ST
Graduate Students: part-time 8; full-time 8; full-time first year 5						Bachelor's by dept. 11
Fellowship (3:1)	10000–30000	12	15	Advise	no	Master's by dept. 3
Teaching Assistantship (4:2)	6200–9600	9	20	Teach, grade, tutor	no	
<u>Murray State University, Murray 42071</u>						
MATHEMATICS AND STATISTICS						Applications due: 3/31
http://www.murraystate.edu/mathematics						Contact number: 270-762-2311
Donald Bennett, Chair						Master's only: yes
Faculty 17, Tenured 8, Tenured faculty who published 6						Stand alone: PM, AM, K–12, 2T
Graduate Students: part-time 5; full-time 5; full-time first year 3						Bachelor's by dept. 20
Fellowship (2:0)	3250				no	Master's by dept. 4
Teaching Assistantship (5:2)	7000	9	12	Teach, lab	no	
<u>University of Kentucky, Lexington 40503</u>						
MATHEMATICS						Applications due: 2/1
http://www.math.uky.edu/grad						Contact number: 859-257-6808
Richard Carey, Chair						Foreign languages: 1
Faculty 36, Tenured –, Tenured faculty who published –						Stand alone: AM
Graduate Students: part-time 0; full-time 58; full-time first year 20						Bachelor's by dept. 28
Fellowship (2:1)	15000	12			0	Master's by dept. 20
Teaching Assistantship (55:18)	12700–16300	9	20	Teach	0	Doc. (01/04) ANT 3, RCA 4, GT 1, AM 1, DMC 5, NA 1.
Research Assistantship (2:1)	12700–16300	9	20	Research	0	Total: 15
<u>University of Louisville, Louisville 40292</u>						
MATHEMATICS						Applications due: 3/31
Thomas Riedel, Chair						Contact number: 502-852-6826
Faculty 24, Tenured 20, Tenured faculty who published 18						Internship: yes
Graduate Students: part-time 5; full-time 35; full-time first year 13						Foreign languages: 0
Fellowship (3:2)	18000	12			0	Stand alone: AM, AS
Teaching Assistantship (27:9)	12500	9	20	Grade, teach	0	Bachelor's by dept. 20
GEMS (5:2)	35000	12	15	*		Master's by dept. 3
*Teach in high school.						
<u>Western Kentucky University, Bowling Green 42101</u>						
MATHEMATICS						Applications due: 11/15
http://www.wku.edu/Dept/Academic/Ogden/Math						Contact number: 270-745-3195
Paul Hill, Head						Master's only: yes
Faculty 23, Tenured 15, Tenured faculty who published 11						Stand alone: PM, AM, K–12, 2T, ST
Graduate Students: part-time 5; full-time 14; full-time first year 12						Bachelor's by dept. 20
Teaching Assistantship (8:7)	10500–12500	9	4 ^c	Teach		Master's by dept. 5
Other (5:5)	8000–10500	9		Grade or lab		

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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LOUISIANA

Louisiana State University, Baton Rouge 70803-5606

EXPERIMENTAL STATISTICS

<http://www.stat.lsu.edu>

E. Barry Moser, Head

Faculty 8, Tenured 7, Tenured faculty who published 7

Graduate Students: part-time 6; full-time 47; full-time first year 5

Teaching Assistantship (7:1)	9500	9	1531	20	Teach, grade	73
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Research Assistantship (2:1)	9500	9	1531	20	Research	73
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Applications due: 3/15

Contact number: 225-578-8303

Internship: yes

Master's only: yes

Stand alone: ST

Bachelor's by dept. 0

Master's by dept. 14

Louisiana State University, Baton Rouge 70803

MATHEMATICS

<http://www.math.lsu.edu>

L. Smolinsky, Chair

Faculty 48, Tenured 38, Tenured faculty who published 33

Graduate Students: part-time –; full-time 80; full-time first year 20

Fellowship (3:–)	25000	12				76
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Teaching Assistantship (55:11)	13500–25000	9	1482	4.5	Teach	76
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Research Assistantship (3:–)	17000–28000	12	1482	20	Research	76
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GAAN Fellowship (5:5)	30000	12		2.25	Teach	76
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Applications due: 2/1*

Contact number: 225-578-1665

Internship: yes

Stand alone: PM, AM, K–12,

ST

Bachelor's by dept. 20

Master's by dept. 15

Doc. (01/04) ANT 5, RCA 1,

GT 4, AM 1, DMC 2, LNO 2.

Total: 15

*Suggested date; no strict deadline.



Louisiana State University

Department of Mathematics programs lead to the M.S. and Ph.D. degrees. Eighty graduate students work with 49 professors in the following research specialties: algebraic geometry; algebraic and differential topology and knot theory; graph theory and matroid theory; optimization, control theory, and partial differential equations; mathematics of materials science; asymptotic analysis, generalized functions, integral and evolution equations and applied analysis; Lie group representations and harmonic analysis; number theory and quadratic forms; probability; and topological algebra. Graduate students benefit from research conferences and distinguished guest lecture series, thorough preparation for college teaching, a research semester off campus that can be spent abroad, an industry-oriented mathematics consultation clinic, interdisciplinary M.S. concentrations, and internships and summer jobs as REU or Math Tune-Up Camp assistants. *Departmental growth to 60 professors and 100 graduate students is planned by the University.* The department's 226 Ph.D. graduates have had excellent employment opportunities in universities, colleges, and industry. A friendly, informal atmosphere for study and research is offered on LSU's 2000-acre tree-shaded campus with 250 buildings and several lakes located on the east bank of the Mississippi River.

Teaching and Research Assistantships are available, with **stipends up to \$25,000** per academic year. **Tuition will be waived** for graduate assistants and additional summer support is often available. *Early application is strongly encouraged.* Applications, complete with supporting documents, received by the department by **February 1, 2005**, are assured full consideration for all available forms of financial aid. *Minority applicants are enthusiastically encouraged.* LSU is an equal opportunity/access university.

For information and application materials, e-mail grad@math.lsu.edu, or write to: *Department of Mathematics, Director of Graduate Studies, Louisiana State University, Baton Rouge, LA 70803.*

Please visit the department's website at <http://www.math.lsu.edu> and select *Graduate Program* for a photographic tour and the latest information about financial aid, graduate programs, and research activities.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
McNeese State University, Lake Charles 70609					
MATHEMATICS AND COMPUTER SCIENCE http://www.mcneese.edu Sid Bradley, Head Faculty 24, Tenured 12, Tenured faculty who published 3 Graduate Students: part-time 6; full-time 15; full-time first year 7 Teaching Assistantship (4:–) 1500–3000 9 * Other (16:–) 500–2000 *			Applications due: 7/10 Contact number: 337-475-5788	Master's only: Stand alone: PM, CS Bachelor's by dept. Master's by dept.	yes 25 15
			20 Grade, teach 10 **	no	
*Half of 1500. **Computer literacy program, graduate testing center.					
Nicholls State University, Thibodaux 70310					
MATHEMATICS AND COMPUTER SCIENCE http://math.nicholls.edu Donald M. Bardwell, Chair Faculty 7, Tenured 4, Tenured faculty who published 2 Graduate Students: part-time 2; full-time 12; full-time first year 7 Teaching Assistantship (12:7) 6000 9 200			Applications due: no date given Contact number: 985-448-4380	Master's only: Stand alone: 2T Bachelor's by dept. Master's by dept.	yes 7 6
			20 Teach	no	
Southeastern Louisiana University, Hammond 70402					
MATHEMATICS Elizabeth D. Gray, Interim Head Faculty 30, Tenured 13, Tenured faculty who published 11 Graduate Students: part-time –; full-time 1; full-time first year 1 Research Assistantship (1:0) 12			Applications due: 8/20 Contact number: 985-549-2175	Master's only: Stand alone: OT Bachelor's by dept. Master's by dept.	yes 12 1
			20 Research	22	
Tulane University, New Orleans 70118					
MATHEMATICS http://www.math.tulane.edu Morris Kalka, Chair Faculty 23, Tenured 21, Tenured faculty who published 21 Graduate Students: part-time 0; full-time 24; full-time first year 6 Fellowship (6:4) 17000–22500 12 1100 Teaching Assistantship (20:2) 15500 10 1100 Research Assistantship (4:0) 18000 10 1100			Applications due: 2/1 Contact number: 504-865-5727 Internship: yes Foreign languages: 1	Bachelor's by dept. Master's by dept. Doc. (01/04) ANT 1, S 1, AM 2. Total: 4	20 6
			Study 15 Grade, teach, research 15 Research	31 31 31	
University of Louisiana at Lafayette, Lafayette 70504					
MATHEMATICS http://www.louisiana.edu/math/ Roger Waggoner, Head Faculty 23, Tenured 18, Tenured faculty who published 15 Graduate Students: part-time 2; full-time 38; full-time first year 7 Fellowship (1:0) 17000 12 120 Teaching Assistantship (36:7) 8500–12000 9 120 Research Assistantship (1:0) 12000 9 120			Applications due: no date given Contact number: 337-482-5172 Foreign languages: 2	Bachelor's by dept. Master's by dept. Doc. (01/04) GT 1, S 4, AM 5, NA 1. Total: 11	7 1
			20 Grade, teach 20 Research	no no	
University of New Orleans, New Orleans 70148					
MATHEMATICS Carroll Blakemore, Chair Faculty 16, Tenured 14, Tenured faculty who published 10 Graduate Students: part-time 8; full-time 23; full-time first year 10 Teaching Assistantship (22:9) 9500 9			Applications due: 3/15 Contact number: 504-280-6331 Internship: yes	Master's only: Stand alone: PM, AM, ST Bachelor's by dept. Master's by dept.	yes 7 9
			20 Grade, teach	55	

TULANE UNIVERSITY
New Orleans, LA
Graduate Programs in Mathematics

Degree Programs: The Tulane Mathematics Department offers a Ph.D. program with emphasis in a variety of areas of mathematics, applied mathematics, statistics, and probability. The expected time to degree is 5 years. In addition, the department offers programs leading to M.S. degrees in mathematics, applied mathematics, and statistics.

Financial Aid: The Department offers financial support to all Ph.D. students in the form of:

Fellowships and Teaching Assistantships

In 2005-06 we expect that about half of the new graduate students will be awarded VIGRE fellowships which carry a stipend of \$22,500 per year, including summer. The Teaching Assistant's stipend will be at least \$15,500 for the academic year. Both Teaching Assistants and Fellowship recipients receive tuition waivers.

The Department: The Tulane Mathematics Department is composed of 24 full-time faculty, several postdoctoral researchers and about 30 graduate students. The current research interests of faculty members span many important areas of contemporary mathematics and its applications, including Algebra, Theoretical Computer Science, Symbolic Computation, Applied and Computational Mathematics, Analysis, Geometry, Topology, Probability and Statistics.

The department offers a friendly and informal atmosphere that encourages collaboration among students at all levels and faculty, creativity in teaching and flexibility in the programs of study.

To Apply: For further information and to request applications, visit our website or write to:

Graduate Coordinator
Mathematics Department
Tulane University
6823 St. Charles Ave.

<http://math.tulane.edu>

New Orleans, LA 70118

gradapp@math.tulane.edu



Fellowships and Assistantships plus Tuition

The Department of Mathematics at the University of Louisiana at Lafayette offers graduate programs with concentrations in applied mathematics, pure mathematics, and statistics. It has Fellowships and Assistantships for students seeking a Ph.D. degree. Stipends are \$17,000 per fiscal year for a Board of Regents Fellowship and up to \$12,000 per academic year for an Assistantship. All fellows and assistants receive a waiver of tuition and fees, which could bring the level of funding to as much as \$26,000 per academic year. Additional summer support is generally available for teaching assistants. Fellows have priority for low-cost university housing. Applications for fellowships must be completed by February 15, 2005. Although there is no deadline for Assistantships, preference will be given to applications received by March 15. High GRE scores (verbal, quantitative, and analytical) and outstanding academic achievement are required. Please contact:

Dr. Nabendu Pal, Graduate Coordinator
Department of Mathematics
University of Louisiana at Lafayette
Lafayette, Louisiana 70508

Telephone: (337) 482-5279
E-mail: math@louisiana.edu
Fax: (337) 482-5346
Web Page: <http://www.louisiana.edu/math>

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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MAINE

University of Maine, Orono 04469

MATHEMATICS AND STATISTICS				Applications due: 2/15	Master's only: yes
http://www.math.umaine.edu				Contact number: 207-581-3900	Stand alone: PM, AM, K–12, ST
William O. Bray, Chair					Bachelor's by dept. 16
Faculty 16, Tenured 14, Tenured faculty who published 11					Master's by dept. 7
Graduate Students: part-time –; full-time 7; full-time first year 7					
Teaching Assistantship (–:–)	9400	9	300	17 Teach, grade, tutor	no

University of Southern Maine, Portland 04104-9300

MATHEMATICS AND STATISTICS				Applications due: 3/15	Master's only: yes
Muhammad El-Taha, Chair				Contact number: 207-780-4608	Stand alone: AM, ST, OR
Faculty 10, Tenured 9, Tenured faculty who published 5				Internship: yes	Bachelor's by dept. 6
Graduate Students: part-time 6; full-time 10; full-time first year 5					Master's by dept. 5
Teaching Assistantship (5*:3*)	8500	9		20 Teach, research	100

*Two received Board of Trustees full scholarships.

MARYLAND

Johns Hopkins University, Baltimore 21205

BIOSTATISTICS				Applications due: 2/1	Bachelor's by dept. 0
http://www.biostat.jhsph.edu				Contact number: 410-955-3067	Master's by dept. 12
Scott L. Zeger, Chair				Internship: yes	Doc. (01/04) B 9. Total: 9
Faculty 18, Tenured 10, Tenured faculty who published 10				Foreign languages: 0	
Graduate Students: part-time 10; full-time 53; full-time first year 18					
Teaching/Research Assistantship (40:8)	18000–31000	12		15 Grade, teach, research	145

Johns Hopkins University, Baltimore 21218

MATHEMATICS				Applications due: 1/15	Master's by dept. 6
http://www.math.jhu.edu				Contact number: 410-516-7399	Doc. (01/04) ANT 4, RCA 4, GT 2. Total: 10
Christopher Sogge, Chair				Foreign languages: 1	
Faculty 19, Tenured 17, Tenured faculty who published 12					
Graduate Students: part-time 2; full-time 34; full-time first year 12					
Teaching Assistantship (34:12)	15000–18000	9		Varies	0
Owens Fellowship (2:2)	5000	9		Varies	

University of Maryland, Baltimore County, Baltimore 21250

MATHEMATICS AND STATISTICS				Applications due: 2/15	Stand alone: AM, ST
http://www.math.umbc.edu				Contact number: 410-455-2412	Bachelor's by dept. 33
Jonathan Bell, Chair				Foreign languages: 0	Master's by dept. 8
Faculty 26, Tenured 19, Tenured faculty who published 17					Doc. (01/04) S 6, AM 5. Total: 11
Graduate Students: part-time 46; full-time 38; full-time first year 10					
Fellowship (4:2)	19500–24000	12		20 Teach, research	0
Teaching Assistantship (29:8)	13800–15500	9	77/cr.	20 Teach, grade	0
Research Assistantship (4:0)	13800–15500	9	77/cr.	20 Research	0

University of Maryland, College Park 20742

MATHEMATICS				Applications due: 2/1	Stand alone: PM, AM, ST
http://www.math.umd.edu				Contact number: 301-405-5058	Bachelor's by dept. 71
Patrick M. Fitzpatrick, Chair				Internship: yes	Master's by dept. 37
Faculty 63, Tenured 60, Tenured faculty who published 55				Foreign languages: 1	Doc. (01/04) ANT 2, RCA 2, GT 2, AM 4, Other 2. Total: 12
Graduate Students: part-time 32; full-time 246; full-time first year 54					
Fellowship (34:15)	2000–30000	9–12	760		90
Teaching Assistantship (102:13)	13600–15000	9	760	20 Teach, grade	90
Research Assistantship (13:–)	13600–15000	9	760	20 Research	90

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003-2004
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MASSACHUSETTS

Boston College, Chestnut Hill 02467

MATHEMATICS

<http://www.bc.edu/math>

G. E. Keough, Chair

Faculty 21, Tenured 21, Tenured faculty who published 11

Graduate Students: part-time 0; full-time 18; full-time first year 8

Teaching Assistantship (13:6)	14100-15760	9	25	15-20	Grade, teach	90
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Applications due: 1/15

Contact number: 617-552-3750

Master's only: yes

Stand alone: PM, AM, K-12, AS

Bachelor's by dept. 45

Master's by dept. 6



Johns Hopkins University

The Graduate Program is designed primarily to prepare students for research and teaching in mathematics. It is naturally centered around the research areas of the faculty, which include algebraic geometry, partial differential equations, topology, several complex variables, algebraic groups and representation theory. The program can be supplemented in applied directions by courses in Theoretical physics, computer science, mechanics, probability and statistics offered in other departments of Krieger School of Arts and Sciences and in the Department of Applied Mathematics and Statistics in Whiting School of Engineering.

Mathematics Teaching Assistantships

Financial Aid: Most students admitted to the Ph.D. program receive full tuition fellowships and teaching assistantships. Teaching assistant salaries for the 2004-2005 academic year are an average of \$15,500 per year. Students can expect to be supported for at least five years, as long as they progress satisfactorily. Exceptional applicants are considered for the George E. Owens Fellowship, which offers full tuition and a higher stipend for three years and no teaching duties for the first year.

For More Information, please contact:
Department of Mathematics
(Graduate Admissions)
Johns Hopkins University
3400 N. Charles Street
404 Krieger Hall
Baltimore, Maryland 21218

Graduate Coordinator:
Phone: (410) 516-7399
Fax: (410) 516-5549
E-mail: grad@math.jhu.edu
<http://www.math.jhu.edu>



GRADUATE MATHEMATICS AND TEACHING ASSISTANTSHIPS FOR 2004-2005 AT BOSTON COLLEGE

The Department of Mathematics at Boston College offers a flexible, two-year Master of Arts program. Students complete a program of five required courses, five elective courses, and a capstone Graduate Seminar.

Our graduates have gone on to further academic work, as well as into careers in industry, business, research, and teaching. All M.A. applicants are automatically considered for teaching assistantships which include a *competitive stipend plus full tuition remission*.

Founded in 1863, Boston College consists of eleven schools, colleges, and institutes. It is the fourth largest private university in New England, enrolls approximately 14,500 undergraduate and graduate students, and is located on a beautiful suburban campus at the western edge of Boston.

For further information, please contact Professor Nancy Rallis (rallis@bc.edu), Department of Mathematics, Boston College, Chestnut Hill, MA 02467; or visit us on the web at <http://www.bc.edu/math>.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours per week	HEALTH type of service	INSURANCE per month	DEGREES AWARDED Academic year 2003-2004	
Boston University, Boston 02118							
BIOSTATISTICS http://www.bumc.bu.edu/biostats L. Adrienne Cupples, Chair Faculty -, Tenured -, Tenured faculty who published - Graduate Students: part-time -; full-time -; full-time first year - Research Assistantship (16:5)	15500	9	20	Research	122	Applications due: 6/15 Contact number: 617-638-5172 Internship: yes Foreign languages: 1 Stand alone: OT Bachelor's by dept. Master's by dept. Doc. (01/04) B 4. Total: 4	
Boston University, Boston 02215							
MATHEMATICS AND STATISTICS http://math.bu.edu Steven Rosenberg, Chair Faculty 29, Tenured 27, Tenured faculty who published 24 Graduate Students: part-time 1; full-time 51; full-time first year 4 Fellowship (4:4) Teaching Assistantship (25:0) Research Assistantship (9:0) GANN (4:1)	15500 15500 15500 23250	8 8 8 12	15 15 15 15	Study Teach Research Study	0 0 0	Applications due: 1/15 Contact number: 617-353-2560 Foreign languages: 1 Stand alone: OT Bachelor's by dept. Master's by dept. Doc. (01/04) ANT 2, P 2, S 8, B 4, AM 2, Other 4. Total: 22	
Brandeis University, Waltham 02454							
MATHEMATICS http://www.math.brandeis.edu Kiyoshi Igusa, Chair Faculty 14, Tenured 13, Tenured faculty who published 11 Graduate Students: part-time 0; full-time 32; full-time first year 5 Fellowship (22:5) Research Assistantship (3:0)	15500 9500-15500	9 9	10	Grade, teach	0 0	Applications due: 1/15 Contact number: 781-736-3050 Foreign languages: 2 Stand alone: PM Bachelor's by dept. Master's by dept. Doc. (01/04) ANT 6, GT 4, S 1, DMC 3. Total: 14	
Harvard University, Cambridge 02138							
ENGINEERING AND APPLIED SCIENCES http://www.deas.harvard.edu V. Narayanamurti, Dean Faculty 20, Tenured 11, Tenured faculty who published 9 Graduate Students: part-time 7*; full-time 100*; full-time first year 31 Fellowship (28:14) Teaching Assistantship (-:-) Research Assistantship (44:-)	18900 4700-5363 25200-37680	9 5 12	4528-9848 4528-9848	12 20	Lead sections or labs, grade Research	0 226 226	Applications due: * Contact number: 617-495-2833 Foreign languages: 0 Stand alone: AM, CS Bachelor's by dept. Master's by dept. Doc. (01/04) AM 3, Other 6. Total: 9
*Preferred deadline 12/15; final deadline 1/3. **Includes new and returning students.							
MATHEMATICS http://www.math.harvard.edu Joe Harris, Chair Faculty 33, Tenured 16, Tenured faculty who published 16 Graduate Students: part-time -, full-time 49; full-time first year 10 Fellowship (25:5) Teaching Assistantship (25:-) Research Assistantship (23:-) Other (29:6)***	2050 20000 20000	10 ** **	12	Teach, grade, hours, exams	0 0 0	Applications due: * Contact number: 617-495-2170 Foreign languages: 2 Bachelor's by dept. Master's by dept. Doc. (01/04) ANT 14, RCA 5, GT 9, LNO 1. Total: 29	
*Automatic with admission and ongoing aid. **First and second year tuition: \$30160; third and fourth year: \$9848; fifth year and beyond: \$4528. ***NSF (10:1): NDSEG (1:1): VIGRE (8:0): Putnam (5:2): Samsung (3:1): Kennedy (1:1): NSERC (1:0).							

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
Massachusetts Institute of Technology, Cambridge 02139-4307					
MATHEMATICS			Applications due: 1/1		Bachelor's by dept. 106
http://math.mit.edu/ *			Contact number: 617-253-2689		Master's by dept. 2
Michael Sipser, Head			Foreign languages: 1		Doc. (01/04) ANT 82, RCA 2,
Faculty 53, Tenured 40, Tenured faculty who published 37					GT 14, P 1, S 1, AM 10,
Graduate Students: part-time 0; full-time 108; full-time first year 16					DMC 9, NA 1, Other 13.
Fellowship (32.5:12)	20250–30500	12 200		yes	Total: 59
Teaching Assistantship (55:3)	18270	9 200	10–12 Grade, teach	0	
Research Assistantship (16.5:0)	18270	9 200	10–12 Research	0	
*Follow links to "Graduate Study".					
Northeastern University, Boston 02115					
MATHEMATICS			Applications due: 2/1		Stand alone: OR
http://www.math.neu.edu			Contact number: 617-373-2450		Master's by dept. 7
Robert McOwen, Chair			Foreign languages: 1		Doc. (01/04) ANT 1, GT 4,
Faculty 35, Tenured 35, Tenured faculty who published 29					P 1, S 2, DMC 5, Other 7.
Graduate Students: part-time 7; full-time 32; full-time first year 9					Total: 20
Teaching Assistantship (28:7)	15190	9 387	20 Teach	172	
Tufts University, Medford 02155					
MATHEMATICS			Applications due: 1/15		Stand alone: PM
Christoph Börgers, Chair			Contact number: 617-627-2358		Bachelor's by dept. 19
Faculty 14, Tenured 12, Tenured faculty who published 12			Foreign languages: 1		Master's by dept. 2
Graduate Students: part-time 3; full-time 14; full-time first year 5					Doc. (01/04) ANT 1, GT 2,
Teaching Assistantship (10:4)	15739–16139	9 40	15 Teach, grade	98	P 1, AM 1. Total: 5
Research Assistantship (1:–)	17000	12 40	15–30 Research	98	
University of Massachusetts, Amherst 01003					
MATHEMATICS AND STATISTICS			Applications due: 2/1		Stand alone: AM, ST
http://www.math.umass.edu			Contact number: 413-545-2282		Bachelor's by dept. 54
Bruce Turkington, Chair			Internship: yes		Master's by dept. 22
Faculty 40, Tenured 24, Tenured faculty who published 20			Foreign languages: 0		Doc. (01/04) GT 3, S 4, B 2.
Graduate Students: part-time –; full-time 73; full-time first year 23					Total: 9
Teaching Assistantship (41:14)	14200–17000	570	4 ^c Grade, teach	0	
Research Assistantship (5:0)	14200–17000	570	Research	0	
Other (20:9)	11000	570	15 Teach		
University of Massachusetts, Lowell 01854					
MATHEMATICAL SCIENCES			Applications due: 7/30		Master's only: yes
http://www.uml.edu			Contact number: 978-934-2712		Stand alone: AM, K–12, ST,
J. Graham-Eagle, Chair					OT
Faculty 22, Tenured 20, Tenured faculty who published 12					Bachelor's by dept. 15
Graduate Students: part-time 35; full-time 6; full-time first year 12					
Teaching Assistantship (–:–)	12551	9 0*	18 Grade, teach		
*For in-state students.					
Worcester Polytechnic Institute, Worcester 01609					
MATHEMATICAL SCIENCES			Applications due: 2/1		Stand alone: AM, AS, ST, OT
http://www.wpi.edu/+math			Contact number: 508-831-5241		Bachelor's by dept. 20
Bogdan Vernescu, Chair			Internship: yes		Master's by dept. 13
Faculty 22, Tenured 17, Tenured faculty who published 15			Foreign languages: 0		
Graduate Students: part-time 35; full-time 33; full-time first year 17					
Fellowship (2:2)	1500–1545/mo.	12		55	
Teaching Assistantship (13:6)	1511/mo.	9	20 Grade, teach,	55	
			research		
Research Assistantship (4:0)	1511–1600/mo.	9	20 Research	55	

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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MICHIGAN

Central Michigan University, Mt. Pleasant 48859

MATHEMATICS

<http://www.cst.cmich.edu/units/mth/>

Thomas J. Miles, Chair

Faculty 33, Tenured 25, Tenured faculty who published 23

Graduate Students: part-time 0; full-time 24; full-time first year 6

Fellowship (4:2)	9300–9400	9			70
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Teaching Assistantship (17:6)	9300–12300	9	20	Teach	70
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GAANN (3:0)	18000	12	3	Teach	
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*Fellowship: 2/6; assistantship: 3/1.

Applications due: *

Contact number: 989-774-3596

Internship: yes

Foreign languages: 0

Stand alone: PM, K–12

Bachelor's by dept. 80

Master's by dept. 4

Doc. (01/04) ANT 1, RCA 3, S 3, AM 3, Other 1. Total: 11

Michigan State University, East Lansing 48824-1027

MATHEMATICS

<http://www.math.msu.edu>

Peter W. Bates, Chair

Faculty 60, Tenured 50, Tenured faculty who published 40

Graduate Students: part-time 5; full-time 118; full-time first year 22

Teaching Assistantship (101:15)	11907–14022	9	20	Teach	yes
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Research Assistantship (4:2)	11907–14022	9	20	Research	yes
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Applications due: 12/31

Contact number: 517-355-9680

Internship: yes

Foreign languages: 1

Stand alone: PM, AM, OT

Bachelor's by dept. 60

Master's by dept. 17

Doc. (01/04) ANT 1, RCA 1, GT 6, P 1, AM 6, DMC 3, Other 11. Total: 29

Michigan State University, East Lansing 48824

STATISTICS AND PROBABILITY

<http://www.stt.msu.edu>

Habib Salehi, Chair

Faculty 18, Tenured 15, Tenured faculty who published 10

Graduate Students: part-time 6; full-time 29; full-time first year 11

Fellowship (1:0)	30000–40000	9	20	Research	100
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Teaching Assistantship (18:6)	12500–14000	9	20	Teach, grade	yes
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Research Assistantship (6:0)	13000–14000	9	20	Research	yes
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Applications due: 2/28

Contact number: 517-355-9589

Internship: yes

Foreign languages: 0

Stand alone: ST

Bachelor's by dept. 1

Master's by dept. 20

Doc. (01/04) S 8. Total: 8

Doctoral Studies at Central Michigan University Ph.D. with Concentration in the Teaching of College Mathematics

This Ph.D. is a content-based degree designed to prepare individuals for a career in college teaching. The program consists of broadly distributed coursework, professional pedagogical component, teaching internship, and a dissertation. Areas of research strength include approximation theory and optimization, combinatorics, fluid dynamics, functional analysis and operator theory, number theory, statistics, algebra, algebraic geometry, topology and collegiate mathematics education.

The Department also offers the Master's degree in Mathematics and the Master of Arts in Teaching. Central Michigan University is a mid-size university of 19,500 students, including about 2,000 graduate students. The campus is located in Mt. Pleasant, a community of 26,000 located about 60 miles north of Lansing.

For information contact: Thomas J. Miles, Interim Chair, Department of Mathematics, Central Michigan University, Mt. Pleasant, MI 48859, 989-774-3596, FAX 989-774-2414, Math@cmich.edu, <http://www.cst.cmich.edu/units/mth>. *CMU, an AA/EQ institution, is strongly and actively committed to increasing diversity within its community (see www.cmich.edu/aaeo.html).*

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
Michigan Technological University, Houghton 49931					
MATHEMATICAL SCIENCES (Ad on p. 42) http://www.math.mtu.edu/ Alphonse Baartmans, Chair Faculty 26, Tenured 24, Tenured faculty who published 20 Graduate Students: part-time 3; full-time 31; full-time first year 8 Teaching Assistantship (23:7) 9000–10920 9 269 Research Assistantship (1:0) 9000–10920 9 269			Applications due: 2/15 Contact number: 906-487-2068 Internship: yes Foreign languages: 0 20 Teach * 20 Research *		Stand alone: PM, AM, ST, OT Bachelor's by dept. 15 Master's by dept. 8 Doc. (01/04) S 1, DMC 4. Total: 5
*Student pays \$63.22 per month for 4 months during the fall semester.					

Oakland University, Rochester 48309

MATHEMATICS AND STATISTICS http://www.math.oakland.edu Louis J. Nachman, Chair Faculty 24, Tenured 20, Tenured faculty who published 18 Graduate Students: part-time 30; full-time 15; full-time first year 3 Teaching Assistantship (11:2) 12000 9 Research Assistantship (1:1) 12000 9			Applications due: 1 Contact number: 248-370-4030 Foreign languages: 0 6 ^c Grade, teach 67 20 Research 67		Stand alone: PM, AM, K–12, ST, OR Bachelor's by dept. 13 Master's by dept. 3 Doc. (01/04) S 2, AM 1. Total: 3
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University of Michigan, Ann Arbor 48109

MATHEMATICS http://www.math.lsa.umich.edu Trevor Wooley, Chair Faculty 64, Tenured 56, Tenured faculty who published 56 Graduate Students: part-time –; full-time 143; full-time first year 40 Fellowship (30:17) 16000–30000 12 Teaching Assistantship (98:19) 13570 9 Research Assistantship (9:0) 13570 9			Applications due: 1/15 Contact number: 734-764-7436 Foreign languages: 1 20 Teach 0 20 Research 0		Stand alone: PM, AM Bachelor's by dept. 93 Master's by dept. 61 Doc. (01/04) ANT 15, RCA 8, GT 6, AM 1, DMC 5, LNO 4. Total: 39
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GRADUATE STUDIES IN MATHEMATICS AT MICHIGAN STATE UNIVERSITY

The Department of Mathematics at Michigan State University has a large graduate program at both the master's and Ph.D. levels. We offer master's degrees in pure, applied, and industrial mathematics. We also offer a Master of Arts in Teaching degree. A large and active faculty directs doctoral theses in most areas of pure and applied mathematics and mathematics education. We hold many seminars where students and faculty work together to learn and pursue research interests. This helps to create an atmosphere where research is stimulated and encouraged. The deadline for applying for fellowships and assistantships is December 31, 2004; however, applications are accepted until the positions are all awarded in mid-spring. The awards are about \$1300 per month for assistantships and up to \$1800 per month for fellowships.

For further information, please write to:
 Director of Graduate Studies
 Department of Mathematics
 Michigan State University
 East Lansing, Michigan 48824-1027
 E-mail: zfzhou@math.msu.edu
 World Wide Web: <http://www.mth.msu.edu/>

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Michigan, Ann Arbor 48109-1092 (continued)					
STATISTICS http://www.stat.lsa.umich.edu Vijay Nair, Chair Faculty 14, Tenured 7, Tenured faculty who published 7 Graduate Students: part-time 22; full-time 71; full-time first year 25 Teaching Assistantship (34:8) 6785–13570 9 188 Research Assistantship (10:–) 6785–13570 9 188			Applications due: 1/15 Contact number: 734-763-3520 Internship: yes Foreign languages: 0 6–25 Teach, grade * 6–25 Research *		Stand alone: ST Bachelor's by dept. 19 Master's by dept. 35 Doc. (01/04) S 17. Total: 17
*Varies according to health plan and dependents to be covered.					
Wayne State University, Detroit 48202					
MATHEMATICS http://www.math.wayne.edu Lowell Hansen, Chair Faculty 38, Tenured 33, Tenured faculty who published 27 Graduate Students: part-time 9; full-time 31; full-time first year 4 Fellowship (1:1) 13750 9 Teaching Assistantship (26:2) 14647 9 Research Assistantship (3:0) 14647–18000 9–12			Applications due: 1/15 Contact number: 313-577-2479 Foreign languages: 2 20 Teach 20 Research		Bachelor's by dept. 16 Master's by dept. 9 Doc. (01/04) ANT 1, AM 2, LNO 4. Total: 7
				15	
				15	
				15	
Western Michigan University, Kalamazoo 49008					
MATHEMATICS http://www.wmich.edu/math Alan Poling, Chair Faculty 29, Tenured 27, Tenured faculty who published 17 Graduate Students: part-time 55; full-time 75; full-time first year 24 Teaching Assistantship (39:15) 11000–11500 8 400 Doctoral Assistantship (7:1) 12000 8 250			Applications due: 2/15 Contact number: 269-387-4512 Internship: yes Foreign languages: 0 20 Teach 20 Teach		Stand alone: PM, AM, K–12, 2T Bachelor's by dept. 42 Master's by dept. 25 Doc. (01/04) ANT 1, Other 3. Total: 4

**Michigan Technological University
Department of Mathematical Sciences
MS and Ph.D. Degrees**

Michigan Tech faculty conduct cutting-edge research in bioinformatics, combinatorial designs and algorithms, combustion, computational fluid dynamics, cryptography, error-correcting codes, materials science, wildlife statistics, and many other areas. We have a comprehensive training program for teaching assistants, and Ph.D. students are encouraged to complete an internship at a government agency or private company. These features of our program, along with the coursework in mathematics, statistics, and numerical methods, provide an exceptional preparation for both academic and nonacademic careers.

Full financial support, in the form of teaching and research assistantships, is available for qualified students. For more information, contact: Jianping Dong, Interim Director of Graduate Studies, Michigan Technological University, Houghton, MI 49931, (906) 487-2928, jdong@mtu.edu.

Michigan Technological University is an Equal Opportunity Educational Institution/Equal Opportunity Employer/Affirmative Action Employer.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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MINNESOTA

Minnesota State University, Mankato 56001

MATHEMATICS AND STATISTICS

<http://www.cset.mnsu.edu/mathstat>

Larry M. Pearson, Chair

Faculty 16, Tenured 12, Tenured faculty who published 7

Graduate Students: part-time 1; full-time 14; full-time first year 5

Teaching Assistantship (11:5)	8000–10800	9	533	20	Teach, grade	no
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Applications due: Open

Contact number: 507-389-1453

Master's only: yes

Stand alone: PM, AM, K–12,
2T, ST, CS

Bachelor's by dept. 17

Master's by dept. 4

University of Minnesota, Duluth 55812-3000

MATHEMATICS AND STATISTICS (Ad on p. 44)

<http://www.d.umn.edu/math>

Harlan W. Stech, Chair

Faculty 17, Tenured 14, Tenured faculty who published 11

Graduate Students: part-time –; full-time 23; full-time first year 13

Fellowship (9:9)	1500	2			Research	no
Teaching Assistantship (21:12)	11435	9		20	Teach	5
Research Assistantship (2:1)	11435	9		20	Research	5

Applications due: 3/1

Contact number: 218-726-7179

Internship: yes

Master's only: yes

Stand alone: AM, ST

Bachelor's by dept. 23

Master's by dept. 9



WESTERN MICHIGAN UNIVERSITY

Mathematics

The Department of Mathematics, College of Arts and Sciences, Western Michigan University, consists of 29 full-time faculty members with specialties in many areas of mathematics and mathematics education. About 55 graduate students are supported by assistantships and doctoral associateships. The University is located in Southwestern Michigan, midway between Chicago and Detroit, and less than an hour's drive from Lake Michigan.

Degree Programs The Department offers Ph.D.'s in Mathematics, Collegiate Mathematics Education, and Mathematics Education; and Master's degrees in Mathematics, Applied Mathematics, Computational Mathematics, and Mathematics Education. Our graduate students receive individualized attention and encouragement from professors who are committed to maintaining the highest standards in both research and teaching.

Financial Assistance A wide variety of forms of assistance is available, with stipends beginning at \$11,000. Most supported graduate students receive tuition waivers. A few at the Master's level pay instate tuition. Additional support may be available during the Summer sessions. Applications are due by February 15th. Late applications will be accepted as long as openings remain. For additional information, please contact:

Chair, Graduate Committee
Department of Mathematics
Western Michigan University
1903 W. Michigan Ave.
Kalamazoo, MI 49008-5248

phone: (269) 387-4510

fax: (269) 387-4530

email: chapman@wmich.edu

url: <http://www.wmich.edu/math/>

WMU is an Equal Opportunity/Affirmative Action Institution

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003-2004
University of Minnesota, Minneapolis 55455					
BIOSTATISTICS			Applications due: 12/31	Bachelor's by dept.	0
http://www.biostat.umn.edu			Contact number: 612-624-4655	Master's by dept.	18
John Connett, Head			Internship: yes	Doc. (01/04) B 6. Total: 6	
Faculty 14, Tenured 8, Tenured faculty who published 8			Foreign languages: 0		
Graduate Students: part-time 2; full-time 45; full-time first year 15					
Fellowship (1:0)	16000	9 600		8	
Teaching Assistantship (10:4)	10803-14399	9 600	20 Grade, teach	8	
Research Assistantship (11:4)	10803-14399	9 600	20 Research	8	
NIH National Research Service					
Award Traineeship (4:2)	19968	12 600	20 Research		
MATHEMATICS			Applications due: *	Stand alone: PM, AM, K-12,	
Lawrence Gray, Head			Contact number: 612-625-1306	2T, AS	
Faculty 67, Tenured 62, Tenured faculty who published 62			Internship: yes	Bachelor's by dept.	134
Graduate Students: part-time -; full-time 96; full-time first year 22			Foreign languages: 2	Master's by dept.	17
Fellowship (1:1)		9	Study	9.50	Doc. (01/04) ANT 4, RCA 8,
Teaching Assistantship (96:22)	13830-14368	9	20 Grade, teach	9.50	GT 5, L 1, AM 3, DMC 3, NA 3.
Research Assistantship (11:-)	13830-14368	9	20 Research	9.50	Total: 27
*Fellowship: 1/15; assistantship: 2/15.					
STATISTICS			Applications due: 1/1	Bachelor's by dept.	10
http://www.stat.umn.edu			Contact number: 612-625-8046	Master's by dept.	11
Glen Meeden, Director			Internship: yes	Doc. (01/04) S 11. Total: 11	
Faculty 19, Tenured 15, Tenured faculty who published 15			Foreign languages: 0		
Graduate Students: part-time 4; full-time 87; full-time first year 24					
Fellowship (3:1)	13230-16000	9 *		**	
Teaching Assistantship (40:10)	6615***-13230	9 *	20 Grade, teach	**	
Research Assistantship (12:0)	6615-13230	9 *	20 Research	**	
*100% tuition waiver for a 50% appointment; 50% waiver for 25% appointment.					
**\$54 per semester.					
***25% appointment (10 hours per week).					

UNIVERSITY OF MINNESOTA DULUTH

APPLIED PROBABILITY AND STATISTICS

Environmental, Medical and Natural Resource Modeling
Biostatistics - Experimental Design - Educational Testing - Data Analysis

APPLIED AND COMPUTATIONAL MATHEMATICS

Mathematical Modeling - Dynamical Systems - Control Theory
Combinatorics - Graph Theory - Number Theory
High-Performance Computation - Scientific Visualization

For Further Information

Director of Graduate Studies
Department of Mathematics
and Statistics
University of Minnesota Duluth
Duluth, MN 55812
email: math@d.umn.edu



Teaching and Research Assistantships Available

\$11,435 salary, plus health benefits, full tuition waiver, and opportunities for summer research employment.
www.d.umn.edu/math

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003-2004
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MISSISSIPPI

Mississippi State University, Mississippi State 39762

MATHEMATICS AND STATISTICS

<http://www.msstate.edu/dept/math>

Michael Neumann, Head

Faculty 25, Tenured 18, Tenured faculty who published 14

Graduate Students: part-time 5; full-time 37; full-time first year 16

Teaching Assistantship (24:10)	11000-13000	9	1136	20	Grade, teach, tutor	59
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Research Assistantship (2:1)	9000-14000	12	1136	15	Research	59
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Applications due: 2/15

Contact number: 662-325-3414

Internship: yes

Foreign languages: 1

Stand alone: PM, AM, K-12,
2T, ST

Bachelor's by dept. 14

Master's by dept. 9

Doc. (01/04) AM 3, NA 1.

Total: 4

University of Mississippi, University 38677

MATHEMATICS

<http://www.mdepart@olemiss.edu>

Tristan Denley, Chair

Faculty 17, Tenured 9, Tenured faculty who published 9

Graduate Students: part-time 2; full-time 18; full-time first year 5

Teaching Assistantship (23:5)	9650	9	20	Teach, grade, lab
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Applications due: *

Contact number: 662-915-7930

Foreign languages: 1

Bachelor's by dept. 27

Master's by dept. 6

Doc. (01/04) GT 1, S 1,

DMC 1. Total: 3

*No deadline.

MISSISSIPPI STATE UNIVERSITY GRADUATE PROGRAMS IN MATHEMATICS AND STATISTICS

Programs: The Department of Mathematics and Statistics offers Master's degrees in Mathematics and Statistics, and the Ph.D. degree in Mathematical Sciences. The doctoral program is designed to ensure that the student acquires knowledge in a broad spectrum of the mathematical sciences, in addition to expertise in a chosen field of concentration. Active areas of research include applied and computational mathematics, ordinary and partial differential equations, functional analysis and operator theory, topology, graph theory, functional equations, and statistics. The degree program for the M.S. in Mathematics is flexible enough to allow the student to prepare for employment or further graduate study. The M.S. in Statistics program is a blend of statistical theory and statistical methods, which provides the student with excellent training for professional employment in government or industry. Students in this program obtain sufficient theoretical background to qualify to teach elementary statistics or to enter a doctoral program in statistics.

Financial Aid: Graduate Teaching Assistantships are available for a nine-month period with stipends of \$13,000 for doctoral students and \$11,000 for master's students. There is also the possibility of summer support. All Graduate Teaching Assistants receive a full tuition waiver. Screening of applicants for Fall begins in February, while screening for Spring starts in October.

The University: Mississippi State University is a Land-Grant Institution with a Carnegie classification of Doctoral/research university-extensive and an enrollment of over 16,000, which includes more than 3,000 graduate students. The campus is located in northeast Mississippi adjacent to the city of Starkville and the Mississippi Research and Technology Park.

The Department: Currently, the Department has thirty-three faculty members, including twenty-three graduate faculty, approximately fifty undergraduate majors, and about forty full-time graduate students. The Department's faculty is active in research and publication. Computing resources include a departmental computer laboratory, a computer classroom, and personal computers in all offices. All computers are higher-end, networked, and loaded with the latest versions of commonly used software packages in mathematics and statistics. The Department provides collaborative support for projects funded through the Engineering Research Center (ERC).

Correspondence: For further information contact: The Graduate Coordinator, Department of Mathematics and Statistics, P.O. Drawer MA, Mississippi State, MS 39762; Telephone: (662) 325-3414; Fax: (662) 325-0005; e-mail: Office@math.msstate.edu; URL: <http://www.msstate.edu/dept/math>. Students may apply online at <http://www.admissions.msstate.edu>.

Mississippi State University does not discriminate on the basis of race, color, religion, national origin, sex, age, disability, or veteran status.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Southern Mississippi, Hattiesburg 39406-0001					
MATHEMATICS			Applications due: Rolling		Master's only: yes
http://www.usm.edu/math			Contact number: 601-266-4289		Stand alone: PM, AM, K–12
Wallace C. Pye, Chair					Bachelor's by dept. 22
Faculty 8, Tenured 7, Tenured faculty who published 7					Master's by dept. 3
Graduate Students: part-time –; full-time 5; full-time first year 2					
Fellowship (1:–)	30000	12	20 *	60	
Teaching Assistantship (3:–)	10000	9	20 Teach	60	
GAANN (1:–)	13500	9	20 Teach		
*GK–12 Fellows serve as mentors for local school districts.					

MISSOURI

Central Missouri State University, Warrensburg 64093

MATHEMATICS AND COMPUTER SCIENCE			Applications due: 3/15		Master's only: yes
http://www.math-cs.cmsu.edu			Contact number: 660-543-4930		Stand alone: PM, AM
Ed Davenport, Chair					Bachelor's by dept. 35
Faculty 15, Tenured 12, Tenured faculty who published 8					Master's by dept. 3
Graduate Students: part-time 8; full-time 5; full-time first year 4					
Teaching Assistantship (4:2)	3750–7500	9	Waived	3–6 ^c Teach	no

Northwest Missouri State University, Maryville 64468

MATHEMATICS AND STATISTICS			Applications due: 7/1*		Master's only: yes
Dennis Malm, Chair			Contact number: 660-562-1208		Stand alone: K–12
Faculty 10, Tenured 5, Tenured faculty who published 4					Bachelor's by dept. 12
Graduate Students: part-time 7; full-time 3; full-time first year 2					Master's by dept. 2
Teaching Assistantship (3:2)	5250	9	27	20 Tutor, teach	yes**

*Suggested.

**Varies depending on plan.

Saint Louis University, St. Louis 63103

MATHEMATICS AND COMPUTER SCIENCE			Applications due: 3/1		Stand alone: PM
http://euler.slu.edu			Contact number: 314-977-2444		Bachelor's by dept. 18
Michael May, Chair			Foreign languages: 1		Master's by dept. 5
Faculty 28, Tenured 22, Tenured faculty who published 16					Doc. (01/04) ANT 1, RCA 1.
Graduate Students: part-time 2; full-time 16; full-time first year 8					Total: 2
Teaching Assistantship (15:7)	12100	9	50	3 ^c Teach	yes
Research Assistantship (1:1)	12100	9	50	20 Research	yes

Southeast Missouri State University, Cape Girardeau 63701

MATHEMATICS			Applications due: 4/1		Master's only: yes
http://www5.semo.edu/math			Contact number: 573-651-2164		Stand alone: PM, AM, K–12, 2T
Victor Gummersheimer, Chair					Bachelor's by dept. 24
Faculty 17, Tenured 11, Tenured faculty who published 7					Master's by dept. 2
Graduate Students: part-time 2; full-time 6; full-time first year 4					
Teaching Assistantship (6:4)	6100	9		6 ^c Teach	no

Southwest Missouri State University, Springfield 65804

MATHEMATICS			Applications due: 6/1		Master's only: yes
http://math.smsu.edu			Contact number: 417-836-5112		Stand alone: PM, K–12, ST
Yungchen Cheng, Head					Bachelor's by dept. 20
Faculty 23, Tenured 21, Tenured faculty who published 15					Master's by dept. 6
Graduate Students: part-time 6; full-time 18; full-time first year 7					
Teaching Assistantship (14:5)	8400	9	Waived	5 ^c Teach	65

SAINT LOUIS UNIVERSITY

M. A. And Ph. D. in Mathematics

We provide an exciting and supportive environment for learning mathematics. Our M.A. program is structured around year-long sequences of courses in a coherent program. The 1-1 ratio between graduate students and faculty fosters personal attention. Teaching Assistants typically teach one course each semester, giving them independent teaching experience. This structured program prepares our students for a career in teaching or industry, or for further study toward a Ph.D., either in our program or elsewhere. The Ph.D. prepares students for research and/or teaching careers in colleges, universities or industry.

Our mathematically active faculty of twenty-seven has research interests in

- Algebra (group and group representation theory, ring theory, finite dimensional algebras),
- Analysis (Lie group representations, symmetric spaces, wavelets, Banach spaces),
- Geometry (differential and metric geometry, relativity), and
- Topology (algebraic topology, geometric topology, topological groups, foliations, knot theory).

Teaching assistants typically teach one course each semester and receive a nine-month stipend of \$12,100 with full tuition remission and medical benefits. Applicants also can be nominated for Diversity or Presidential Fellowships which offer eleven-month stipends of \$12,000 and \$17,400 respectively.

Saint Louis University has a beautiful campus and is conveniently located in midtown St. Louis. We are adjacent to a cultural district that includes Powell Hall (home of the Saint Louis Symphony), the Fox Theater, Sheldon Hall, Grandel Square Theater, and the Black Repertory Theater. We are minutes from Forest Park which includes the St. Louis Zoo, Art Museum, History Museum, Science Center and the Muny Theater.

For more information, consult our web page (euler.slu.edu) or contact:

Mike May, S.J., Ph. D., Chair
Department of Mathematics and Computer Science,
Saint Louis University, 220 North Grand Blvd., St. Louis, MO 63103,
(314) 977-2444

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Missouri-Columbia 65211-4100					
MATHEMATICS http://www.math.missouri.edu Mark Ashbaugh, Chair Faculty 42, Tenured 40, Tenured faculty who published 40 Graduate Students: part-time –; full-time 84; full-time first year 16			Applications due: 1/15 Contact number: 573-882-6221 Foreign languages: 2		Stand alone: PM, AM, K–12, 2T, AS Bachelor's by dept. 27 Master's by dept. 9 Doc. (01/04) ANT 2, RCA 8. Total: 10
Fellowship (71:16)	14000–26000	9	Waived*	6	**
Teaching Assistantship (60:12)	12000–16000	9	Waived*	6	Teach **
Research Assistantship (4:4)	12500	9	Waived*	20	Research **
*Students are responsible for incidental fees. **\$20–\$50 per month.					
University of Missouri-Columbia 65211					
STATISTICS http://www.stat.missouri.edu Nancy Flournoy, Chair Faculty 10, Tenured 9, Tenured faculty who published – Graduate Students: part-time 5; full-time 46; full-time first year 10			Applications due: 6/14 Contact number: 573-882-6376 Internship: yes Foreign languages: 0		Stand alone: ST Bachelor's by dept. 6 Master's by dept. 8 Doc. (01/04) S 11. Total: 11
Fellowship (–:–)	1000	9			
Teaching Assistantship (–:–)	11500–13000	9	*		yes
Research Assistantship (–:–)	11500–13000	9	*		yes
*Typically a teaching assistant or research assistant with .25 assistantship does not pay out-of-state or in-state fees.					
University of Missouri-Kansas City 64110					
MATHEMATICS AND STATISTICS http://www.umkc.edu Bruce Bubacz, Interim Chair Faculty 5, Tenured 2, Tenured faculty who published 2 Graduate Students: part-time 10; full-time 15; full-time first year 0			Applications due: 4/1 Contact number: 816-235-1641 Foreign languages: 2		Stand alone: PM, ST Bachelor's by dept. 9 Master's by dept. 2 Doc. (01/04) ANT 1, RCA 1. Total: 2
Teaching Assistantship (5:2)	11400	9	20	Teach	no
University of Missouri-Rolla 65409-0020					
MATHEMATICS AND STATISTICS http://campus.UMR.edu/mathstat Leon M. Hall, Chair Faculty 18, Tenured 10, Tenured faculty who published 9 Graduate Students: part-time 2; full-time 18; full-time first year 4			Applications due: no date given Contact number: 573-341-4641 Foreign languages: 1		Stand alone: PM, AM, K–12 Bachelor's by dept. 16 Master's by dept. 6 Doc. (01/04) ANT 1, RCA 2, GT 1, L 1. Total: 5
Fellowship (4:2)	3660				no
Teaching Assistantship (23:7)	7650–15300	3660	20	Teach, grade	no
Research Assistantship (5:0)	7650–15300	3660	20	Research	no
University of Missouri-St. Louis 63121					
MATHEMATICS AND COMPUTER SCIENCE http://www.math.umsi.edu A. P. Rao, Chair Faculty 14, Tenured 10, Tenured faculty who published 8 Graduate Students: part-time 125; full-time 25; full-time first year 10			Applications due: 2/1 Contact number: 314-516-5741 Foreign languages: 0		Stand alone: PM, AM, CS Bachelor's by dept. 60 Master's by dept. 35
Teaching Assistantship (7:2)	12000		20	Grade, teach	130

University of Missouri-Columbia Stipends up to \$26,000 Available

The Mathematics Department offers graduate programs leading to **Ph.D., M.S., or M.A. degrees in Mathematics, M.S. in Applied Mathematics, M.S. in Mathematics for Teachers**, and participates in **joint degree programs in economics, engineering, mathematical finance, and mathematics education**.

The Mathematics department has 42 faculty members. It is large enough to represent a wide range of current research areas, and small enough to provide individual attention to graduate students. The faculty of the department has increased by 50 percent in recent years, and the addition of many young professors has infused the department with energy and vitality. There are weekly seminar series covering many areas of current research, as well as expository colloquia featuring distinguished visiting mathematicians. We have many postdoctoral fellows and long-term visitors from institutes and universities throughout the world.

Active research areas in the department include: abstract algebra, algebraic geometry, Banach spaces, cryptography, differential equations, differential geometry, dynamical systems, financial mathematics, general relativity, harmonic analysis, mathematical physics, number theory, operator theory, and partial differential equations.

We provide full financial support, including tuition waivers, for all of our 84 graduate students during the entire course of study. We offer a number of **research fellowships** that do not require teaching, as well as **teaching assistantships** with stipends in the range of **\$12,000 to \$18,000 per academic year**. Supplemental support for Summer session is also available. The department will automatically nominate qualified applicants for **additional university fellowships** which offer total stipends as much as **\$26,000 per year** for four years.

The MU campus is located in Columbia, midway between Saint Louis and Kansas City. Established in 1839, it is the most comprehensive and attractive campus of the University of Missouri system. The city of Columbia has been nationally recognized for its consistently high quality of life and its low cost of living.

For more information, please visit our home page at <http://www.math.missouri.edu>, and contact:

Professor Yuri Latushkin
Director of Graduate Studies
202 Math Sciences Building
Columbia, MO 65211-4100
yuri@math.missouri.edu
(573) 882-6221



UNIVERSITY OF MISSOURI
an equal opportunity institution

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
Washington University, St. Louis 63130					
ELECTRICAL AND SYSTEMS ENGINEERING http://www.esel.wustl.edu R. Martin Arthur, Chair Faculty 8, Tenured 7, Tenured faculty who published 7 Graduate Students: part-time 10; full-time 24; full-time first year 3 Fellowship (3:1) 30000 12 Research Assistantship (13:2) 15852–16800 12			Applications due: 2/1 Contact number: 314-935-5565 Foreign languages: 0 15 Grade, teach 15 Grade, research		Bachelor's by dept. 4 Master's by dept. 5 Doc. (01/04) AM 2, LNO 1, Other 5. Total: 8
Teaching.				39.16	

MATHEMATICS http://www.math.wustl.edu David Wright, Chair Faculty 22, Tenured 21, Tenured faculty who published 16 Graduate Students: part-time 0; full-time 41; full-time first year 13 Fellowship (25:13) 17300–31000 9 Teaching Assistantship (14:0) 17300 9 Research Assistantship (2:0) 17300 9			Applications due: 1/15 Contact number: 314-935-6726 Foreign languages: 1 12 Teach, grade, proctor 12 Teach, grade, proctor		Stand alone: PM, ST Bachelor's by dept. 25 Master's by dept. 11 Doc. (01/04) ANT 1, RCA 6. Total: 7
				*	
				*	
				*	
*\$25 per year.					

MONTANA

Montana State University, Bozeman 59717-2400

MATHEMATICAL SCIENCES http://www.math.montana.edu Kenneth Bowers, Head Faculty 26, Tenured 23, Tenured faculty who published 21 Graduate Students: part-time 42; full-time 59; full-time first year 22 Teaching Assistantship (58:22) 12000–14000 9 900 Research Assistantship (3:2) 12000–17000 9 200			Applications due: 3/15 Contact number: 406-994-3601 Internship: yes Foreign languages: 0 15 Teach 20 Research		Stand alone: PM, AM, K–12, 2T, ST Bachelor's by dept. 19 Master's by dept. 20 Doc. (01/04) GT 1, S 3, AM 1, NA 2, Other 2. Total: 9
				130	
				130	

University of Montana, Missoula 59812

MATHEMATICAL SCIENCES http://www.umt.edu/math James Hirstein, Chair Faculty 20, Tenured 16, Tenured faculty who published 10 Graduate Students: part-time 2; full-time 19; full-time first year 7 Fellowship (1:0) 16000 9 4482 Teaching Assistantship (18:7) 10000–15000 9 1032 Summer Fellowship (1:0) 3200 *			Applications due: 2/1 Contact number: 406-243-5311 Foreign languages: 0 4 ^c Teach		Stand alone: PM, AM, K–12, ST, OR Bachelor's by dept. 22 Master's by dept. 6 Doc. (01/04) S 1, AM 2, DMC 1, Other 1. Total: 5
				100	
				100	
*Summer.					

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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NEBRASKA

University of Nebraska-Lincoln 68588-0130

MATHEMATICS (Ad on p. 52) http://www.math.unl.edu John Meakin, Chair Faculty 32, Tenured 31, Tenured faculty who published 28 Graduate Students: part-time 7; full-time 70; full-time first year 24			Applications due: 2/1 Contact number: 402-472-3731 Foreign languages: 1		Stand alone: AM, K–12 Bachelor's by dept. 25 Master's by dept. 22 Doc. (01/04) ANT 4, S 2, AM 2, Other 1. Total: 9
Fellowship (18:6)	7500–30000	12		Teach	16
Teaching Assistantship (56:15)	13700–17500	9	400	Teach	16
Research Assistantship (1:1)	30000	9		Research	16
Grader (–:–)	11000	9	400		

University of Nebraska, Omaha 68182

MATHEMATICS Jack Heidel, Chair Faculty 14, Tenured 11, Tenured faculty who published 10 Graduate Students: part-time 25; full-time 5; full-time first year 2			Applications due: 4/1 Contact number: 402-554-2417		Master's only: yes Stand alone: PM, AM, K–12, 2T, ST, OR Bachelor's by dept. 25 Master's by dept. 7
Teaching Assistantship (5:2)	10150	9	20	Teach	100

NEW HAMPSHIRE

Dartmouth College, Hanover 03755

MATHEMATICS (Ad on p. 53) http://www.math.dartmouth.edu Thomas Shemanske, Chair Faculty 17, Tenured 15, Tenured faculty who published – Graduate Students: part-time 0; full-time 23; full-time first year 7			Applications due: * Contact number: 603-646-3722		Bachelor's by dept. 33 Doc. (01/04) ANT 1, RCA 2, GT 3, DMC 1. Total: 7
Fellowship (21:–)	19020–27500	12	4–10	Teach	14
Research Assistantship (2:–)	19020	12	4–10	Teach	14

*Assistantships: 12/15; fellowships: 2/15.

GRADUATE MATHEMATICAL STUDIES AT THE UNIVERSITY OF MONTANA

The Department of Mathematical Sciences at the University of Montana offers graduate training leading to M.A. and Ph.D. degrees with emphases in algebra, analysis, applied mathematics, combinatorics and optimization, mathematics education, and statistics.

Our regular Ph.D. option provides traditional training of research mathematics specialists. Our non-traditional Ph.D. option provides training of college mathematics teachers and other 'general practitioners' of mathematics. It emphasizes greater breadth in course work. A doctorate in mathematics education is available under this option. Both options allow for regular and interdisciplinary thesis work.

The low student/faculty ratio allows for students to develop close working relationships with dedicated faculty and to interact frequently with their peers. Teaching assistantships, carrying a full tuition waiver in addition to a stipend, are awarded to qualified graduate students. A teaching assistant normally has duties equivalent to teaching 3 to 4 hours per week.

The master's degree recipients generally take positions in education, industry, and government. Nearly all graduates with Ph.D.'s are working at four-year colleges and universities.

For further information and application forms: Graduate Committee Chair, Department of Mathematical Sciences, University of Montana, Missoula, MT 59812–0864. **E-mail:** gradmath@umontana.edu. **URL:** <http://www.math.umt.edu/graduate/>. See also: <http://www.umt.edu/math/>.

Graduate Study in Mathematics at the University of Nebraska



Top Research Reputation

The Department has a dedicated and enthusiastic faculty and a national reputation for research excellence and success in training graduate students. The Department has active research groups in the following areas:

- **Algebra and Discrete Mathematics** (algebraic geometry, coding theory, combinatorics & discrete mathematics, commutative algebra, geometric group theory & semigroup theory)
- **Pure and Applied Analysis** (control theory, differential equations, dynamical systems, functional integration, mathematical biology, mathematical modeling, numerical analysis, operator algebras)

Supportive Environment for Students

The Department provides a congenial and supportive atmosphere for learning, with a high level of interaction, both academic and social, among faculty, students and research visitors. The Department provides support for students to travel to professional meetings and other universities. Partly because of these special opportunities, University of Nebraska students have done extremely well in the job market.

Award-Winning Department

In 1998 the Department received a Presidential Award for Excellence in Science, Mathematics and Engineering Mentoring, in recognition of its success in mentoring female Ph.D. students. The Department is one of seven mathematics departments in the nation participating as partners in the Carnegie Initiative on the Doctorate, a program designed to support and study doctoral education in leading graduate programs.

Demographics

The Department has 70 full-time graduate students, roughly 50% of whom are female. During the past five years, the Department awarded 28 Ph.D.'s. Of these, 12 (43%) were to women and 23 (82%) to U.S. citizens.

A Century of Excellence in Graduate Education

With a rich tradition of doctoral education reaching back more than 100 years, the Department is recognized as a national leader among departments where research and teaching are equally valued and complement each other, and where outstanding performance in both is commonplace.

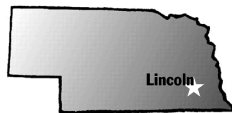
Financial Aid

First-year teaching assistants will receive between \$14,000 and \$17,900 (depending on duties assigned) for the 2005-2006 academic year, plus a complete tuition waiver and medical coverage. Summer support of \$2,600 to \$4,000 through research or teaching is available. Special fellowships are available to top applicants. Othmer Fellowships add \$7,500 to the annual GTA stipend for three years. Two federally funded projects, "Mentoring through Critical Transition Points" and "Graduate Assistantships in Areas of National Need", provide a year without teaching duties and stipends of at least \$22,500 for the calendar year. (See our website for details.)

The Location

Lincoln, the state capital, is a progressive community of 225,000 with a modest cost of living, an excellent cultural climate and a wide variety of recreational opportunities. The University has 22,500 students on an attractive campus adjacent to downtown.

Address inquiries to:



Graduate Chair • Department of Mathematics
University of Nebraska-Lincoln
Lincoln, NE 68588-0130
E-mail: gc@math.unl.edu

For more information about our program visit the following website:

<http://www.math.unl.edu>

An equal opportunity educator and employer with a comprehensive plan for diversity.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of New Hampshire, Durham 03824					
MATHEMATICS AND STATISTICS			Applications due: 2/15 *		Stand alone: PM, AM, ST
http://www.math.unh.edu			Contact number: 603-862-2320		Bachelor's by dept. 150
Eric Grinberg, Chair			Foreign languages: 0		Master's by dept. 9
Faculty 22, Tenured 17, Tenured faculty who published 13			Doc. (01/04) RCA 2, Other 3.		
Graduate Students: part-time 14; full-time 34; full-time first year 7			Total: 5		
Teaching Assistantship (23:6)	12875–13750	9	668–1254	18	Teach 125**
*Recommended.					
**For 9 monthly payments (i.e., approximately \$1100/year). Coverage is for full 12-month year.					

NEW JERSEY

Montclair State University, Upper Montclair 07043

MATHEMATICAL SCIENCES http://www.csam.montclair.edu/mathsci/mathsci.html Helen M. Roberts, Chair Faculty 31, Tenured 22, Tenured faculty who published 10 Graduate Students: part-time 80; full-time 10; full-time first year 3 Teaching Assistantship (15:3) 5000 9 15 * ** *Graduate Assistants in the department are given assignments selected from the following list: teaching, tutoring in the Basic Skills Laboratory, assisting instructors in various courses, hours, grading, answering questions when students are working in groups, and maintenance of the department Web page. **Minimal.		Applications due: 3/1 Contact number: 973-655-5132 Internship: yes Foreign languages: 0	Stand alone: PM, AM, K–12, 2T, ST Bachelor's by dept. 60 Master's by dept. 30 Doc. (01/04) Other 2. Total: 2
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The PhD Program in Mathematics at Dartmouth

Fellowships. The program will offer up to six GAANN (Graduate Assistance In Areas of National Need) fellowships, covering full tuition, health insurance and a stipend of \$27,500 (subject to financial need) to applicants who show excellent potential for a career in teaching and research and are US citizens or permanent residents. Women and minorities are especially encouraged to apply. All program applicants are eligible for Dartmouth Teaching Fellowships, which include tuition, health insurance contribution and a \$19,020 stipend. Regular students in in good standing receive up to five years of support at or above the Dartmouth Fellowship level.

Program Features. The program helps students develop both as research mathematicians and teachers. Introductory courses combine with a flexible system of certification in algebra, analysis, topology, and a student-chosen fourth area to give a broad background in math. In their first two years, graduate students spend 20 weeks per year running homework help sessions two to three nights a week for a specific course and assisting with grading exams. After advancing to candidacy, they take an intensive course on teaching math and teach one carefully chosen ten-week course per year. Outstanding faculty do research in a wide range of fields including algebra, analysis, applied math, combinatorics, geometry, logic, number theory, set theory, and topology.

For More Information. For additional information and an application form you can go to <http://www.math.dartmouth.edu>, send e-mail to mathphd@dartmouth.edu, or write to Graduate Program, Math Department, Dartmouth College, 6188 Bradley Hall, Hanover, NH 03755-3551.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004	
<u>New Jersey Institute of Technology, Newark 07102</u>						
MATHEMATICAL SCIENCES http://math.njit.edu Daljit S. Ahluwalia, Chair Faculty 47, Tenured 32, Tenured faculty who published 22 Graduate Students: part-time 30; full-time 69; full-time first year 43 Teaching Assistantship (31:14) 13320–14000 9 14600 Research Assistantship (3:0) 13320–14000 9 14600			Applications due: no date given Contact number: 973-596-5782 Internship: yes Foreign languages: 0 20 Teach 23 20 Teach, research 23			Stand alone: AM Bachelor's by dept. 15 Master's by dept. 16 Doc. (01/04) AM 12. Total: 12
<u>Princeton University, Princeton 08544-1000</u>						
MATHEMATICS http://www.math.princeton.edu Nicholas Katz, Chair Faculty 50, Tenured 29, Tenured faculty who published 24 Graduate Students: part-time –; full-time 52; full-time first year 14 Fellowship (15:14) 18200–22000 10 29270 Teaching Assistantship (30:–) 18780–20125 10 29270 Research Assistantship (1:–) 18200–19200 10 29270 DOD/NSF/NSERC (6:–) 23000–30000 12 29270			Applications due: 1/2 Contact number: 609-258-4200 Foreign languages: 2 Research 81 Teach, research 81 Research 81 Research			Stand alone: PM Bachelor's by dept. 21 Master's by dept. 1
<u>Rutgers University-New Brunswick, Piscataway 08854</u>						
MATHEMATICS http://www.math.rutgers.edu Richard Falk, Chair Faculty 69, Tenured 64, Tenured faculty who published 51 Graduate Students: part-time 3; full-time 71; full-time first year 18 Fellowship (15:3) 20000–30000 9 200 Teaching Assistantship (48:14) 15300–15520 9 200 Research Assistantship (5:1) 15300–15520 9 200			Applications due: 2/1 Contact number: 732-445-3864 Internship: yes Foreign languages: 1 5–15 Research 33 Grade, teach 0 Research 0			Bachelor's by dept. 85 Master's by dept. 3 Doc. (01/04) ANT 9, RCA 3, GT 2, S 1, AM 3, DMC 4, NA 2. Total: 24
<u>Stevens Institute of Technology, Hoboken 07030</u>						
MATHEMATICAL SCIENCES http://www.stevens.edu Milos Dostal, Director Faculty 12, Tenured 6, Tenured faculty who published 6 Graduate Students: part-time 55; full-time 15; full-time first year 5 Teaching Assistantship (10:2)			Applications due: 5/1 Contact number: 201-216-5449 20 Teach, grade yes			Bachelor's by dept. 3 Master's by dept. 4 Doc. (01/04) RCA 1, AM 2, LNO 2, Other 2. Total: 7



Graduate Programs: The Department of Mathematical Sciences offers M.S. degrees in Applied Mathematics and Applied Statistics, and a Ph.D. degree in Mathematical Sciences (jointly with Rutgers University-Newark). The graduate programs focus on the development of mathematical and computational tools and their application to problems arising in the physical and biomedical sciences and engineering. The program is intended for students whose undergraduate degree is in mathematics, science, or engineering.

The Department: The Department of Mathematical Sciences has 46 full-time faculty members. It now has one of the largest academic and research groups in North America specializing in applied mathematics and scientific computing. The department's achievements in research have been recognized by the University with a five-year Strategic Initiative Grant to support outstanding graduate students and postdocs. Several faculty members are Editors of leading applied mathematics journals including Analysis and Applications, Canadian Applied Mathematics Quarterly, IMA Journal on Applied Mathematics, Integrative Neuroscience, Journal of Engineering Mathematics, SIAM Journal on Applied Mathematics, SIAM Journal on Scientific Computing, and Wave Motion. Faculty research interests include:

- Fluid Dynamics (combustion and detonation, electrohydrodynamics, high speed flows, interfacial hydrodynamics, sedimentation, transition and flow control)
- Materials Science (mesoscopic models, microwave processing, Monte Carlo simulations)
- Mathematical Biology (neuroscience, neurophysiology, the visual system, transport in the microcirculation system, cell development and biophysics, calcium signalling, computational biology)
- Wave Propagation (acoustics, electromagnetics, nonlinear optics)
- Dynamical systems, asymptotic and perturbation methods, stochastic PDEs
- Applied Statistics and Probability (inference, reliability, risk assessment, signal processing, biostatistics)

Computational facilities for graduate students are outstanding, with numerous UNIX Workstations and PCs, and access to vector and parallel supercomputers. Departmental involvement with the Center for Applied Mathematics and Statistics fosters a stimulating environment for research, which includes weekly colloquia, specialized seminars, and joint seminars with other departments.

Financial Aid: Fellowships, Teaching Assistantships, and Research Assistantships (\$8,500-\$18,500 for nine months, plus tuition remission) are available with additional opportunities for summer support. Especially well-qualified applicants are eligible for Strategic Initiative Fellowships with a stipend of \$24,000. These awards are funded by the university, NSF, ONR, NASA, and NIH.

The University: NJIT is New Jersey's state supported, comprehensive science and technology university and offers more than 50 different graduate degrees in a broad spectrum of science and engineering disciplines. The campus is located in the University Heights section of Newark, adjacent to Rutgers University-Newark and the University of Medicine and Dentistry of New Jersey. NJIT is a few minutes by foot from the acclaimed New Jersey Performing Arts Center and Newark is less than 15 minutes by train from New York City. A number of quiet suburban communities also are located a short drive away.

For more information, please visit our web site at www.math.njit.edu or write to:
 Professor Daljit S. Ahluwalia, Chairperson, Department of Mathematical Sciences
 New Jersey Institute of Technology, University Heights, Newark, NJ 07102
 Tel.: (973) 596-5782, email: ahluwali@njit.edu

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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NEW MEXICO

Eastern New Mexico University, Portales 88130

MATHEMATICAL SCIENCES				Applications due: Open	Master's only: yes
http://www.enmu.edu/academics/undergrad/colleges/las/math/math/graduate/index.shtml				Contact number: 505-562-2330	Stand alone: PM
Kathleen C. Salter, Chair					Bachelor's by dept. 18
Faculty 10, Tenured 7, Tenured faculty who published 3					Master's by dept. 1
Graduate Students: part-time 2; full-time 6; full-time first year 5					
Teaching Assistantship (4:3)	7700	9	2192	20 Teach, grade	37

New Mexico Institute of Mining and Technology, Socorro 87801

MATHEMATICS				Applications due: 2/15	Stand alone: AM, ST, OR
http://www.nmt.edu/~math				Contact number: 505-835-5786	Bachelor's by dept. 9
William D. Stone, Chair				Internship: yes	Master's by dept. 4
Faculty 11, Tenured 7, Tenured faculty who published 7				Foreign languages: 0	
Graduate Students: part-time –; full-time 12; full-time first year 4					
Teaching Assistantship (9:–)	13600	9	2435	20 Teach	80
Research Assistantship (1:–)	14719	9	2435	20 Research	

New Mexico State University, Las Cruces 88003-8001

MATHEMATICAL SCIENCES				Applications due: 3/1	Bachelor's by dept. 9
Ross Staffeldt, Head				Contact number: 505-646-3901	Master's by dept. 6
Faculty 29, Tenured 21, Tenured faculty who published 20				Internship: yes	Doc. (01/04) ANT 2, RCA 1,
Graduate Students: part-time –; full-time 42; full-time first year 8				Foreign languages: 1	GT 2, L 1, S 1. Total: 7
Teaching Assistantship (30:7)	14900–15400	9	2800	20 Grade, teach	12
Research Assistantship (2:–)	14900–15400	9	2800	20 Research	12

University of New Mexico, Albuquerque 87131-0001

MATHEMATICS AND STATISTICS				Applications due: 2/15	Stand alone: PM, AM, ST
http://www.math.unm.edu				Contact number: 505-277-5250	Bachelor's by dept. 27
Alejandro Aceves, Chair				Foreign languages: 1	Master's by dept. 15
Faculty 32, Tenured 26, Tenured faculty who published 20					Doc. (01/04) ANT 2, P 1, S 9,
Graduate Students: part-time 48; full-time 98; full-time first year 17					AM 5, NA 1. Total: 18
Fellowship (6:2)	4000–15000	12		Research	75
Teaching Assistantship (49:12)	13246–13708	10		20 Teach	0
Research Assistantship (15:0)	15000–16000	10		20 Research	0
Graders (3:0)	700–1500	10	2610	8 Grade	

EASTERN NEW MEXICO UNIVERSITY

M.A. in Mathematics

www.enmu.edu

The Master of Arts degree offers students with a bachelor's degree in mathematics or a related field, an opportunity to broaden their knowledge in several fields of mathematics. Thesis and non-thesis degree plans are available. Students can take up to nine credit hours in a related field such as computer science, business, education, etc. The program is designed to prepare graduates for careers in teaching, business, industry, government, or for entering a mathematics doctoral program. The department

offers several assistantships each year. The stipend is \$7,700 per year with out-of-state tuition waived. Summer support is available for a limited number of students. Usually graduate students teach freshman level math courses but some tutor and grade papers. The cost of living is rather low in Portales. A clean, comfortable two-bedroom apartment can be rented for about \$375 per month.

**Contact: Graduate Program
Department of Mathematical Sciences
ENMU Station 18
1500 S. Ave. K
Portales, NM 88130
(505) 562-2309
E-mail: regina.aragon@enmu.edu**

Student Success — that's what it's all about!

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003-2004
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NEW YORK

City University of New York Graduate Center, New York 10016

MATHEMATICS

<http://math.gc.cuny.edu>

Jozef Dodziuk, Chair

Faculty 58, Tenured 54, Tenured faculty who published 54

Graduate Students: part-time –; full-time 80; full-time first year 22

Fellowship (16:8)	12000-24000	9		no
Teaching Assistantship (14:3)	12000-16000	9	7	no
Research Assistantship (2:2)	8300	9	7	no

Applications due: 2/1

Contact number: 212-817-8530

Foreign languages: 2

Doc. (01/04) ANT 3, RCA 2,
GT 5, L 1, AM 3, DMC 6.

Total: 20



New Mexico Tech

Department of Mathematics

The Department of Mathematics at New Mexico Tech offers a Ph.D. in Industrial & Applied Mathematics, and Master's degrees in several areas, including options in operations research, statistics, and industrial mathematics. Since our graduate program is small, each student's program is designed around their interests.

Assistantships are currently \$13,589 for first year graduate students (out of which a student pays \$1217 tuition per semester). Summer employment and industrial internships are also available. This year we had students working, on support, with the National Radio Astronomy Observatory, Energetic Material Research and Testing Center, Magdalena Ridge Observatory, and the Petroleum Recovery Research Center.

Research opportunities for graduate students include applications of probability to flow and dispersion, optimization, statistical theory, multigrid methods, graph theory, and modeling and analysis applied to science and engineering.

For information about the department, please contact: Chair, Department of Mathematics, New Mexico Tech, Socorro, NM 87801 (505) 835-5393 E-mail: math@nmt.edu URL: <http://www.nmt.edu/~math/>

Location: New Mexico Tech is a small (400 graduate students, 1400 undergraduates), state supported, research-oriented science and engineering school. Socorro is located in the sunny Rio Grande Valley 75 miles south of Albuquerque, in an area of striking scenery, mild weather, and many opportunities for outdoor activities.

For further information and application materials, call toll free 1-800-428-TECH or contact the Graduate Office, New Mexico Tech, 801 Leroy Place, Socorro, NM 87801 (505) 835-5513
E-mail: graduate@admin.nmt.edu URL: www.nmt.edu URL www.nmt.edu/~grad

New Mexico Tech is an Affirmative Action/Equal Opportunity Institution



NEW MEXICO STATE UNIVERSITY

DEPARTMENT OF MATHEMATICAL SCIENCES

New Mexico State University in Las Cruces has:

- 29 tenure-track faculty, including 10 women and 3 Hispanics, and 41 mathematics graduate students, including 12 women and 4 Hispanics.
- faculty active in algebra, analysis, logic, probability, statistics, algebraic topology. Interdisciplinary research in mathematical control theory, mathematical biology, or in applied analysis is also possible.
- faculty active in mathematics education.
- about 15,000 students altogether, including about 2,500 graduate students.

For information about programs, courses, and assistantships, visit <http://www.math.nmsu.edu>.

For application materials, please write to the **Graduate Committee** at the **Department of Mathematical Sciences**, Box 30001/Dept MB, New Mexico State University, Las Cruces, NM 88003.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
Clarkson University, Potsdam 13699-5815					
MATHEMATICS AND COMPUTER SCIENCE http://www.clarkson.edu/mcs Peter Turner, Chair Faculty 15, Tenured 8, Tenured faculty who published 8 Graduate Students: part-time 3; full-time 40; full-time first year 17 Teaching Assistantship (11:3) 18540–** 12 215 Research Assistantship (2:1) 18540–** 12 215 Partial Tuition Scholarship (21:13) 9 9636 *Fall: 3/15; spring: 10/15. **Not set. ***Per year.			Applications due: * Contact number: 315-268-2395 Foreign languages: 0 Stand alone: PM, AM, ST, CS Bachelor's by dept. 37 Master's by dept. 7 Doc. (01/04) Other 1. Total: 1		
Columbia University, New York 10027					
APPLIED PHYSICS AND APPLIED MATHEMATICS http://www.apam.columbia.edu Michael Mauel, Chair Faculty 28, Tenured 21, Tenured faculty who published 18 Graduate Students: part-time 20; full-time 100; full-time first year 30 Fellowship (11:2) 24000–30000 12 Teaching Assistantship (14:14) 24000 12 Research Assistantship (64:1) 24000 12			Applications due: 12/15 Contact number: 212-854-4457 Foreign languages: 0 Stand alone: AM, OT Bachelor's by dept. 26 Master's by dept. 18 Doc. (01/04) AM 3, Other 18. Total: 21		
Columbia University, New York 10032					
BIOSTATISTICS Bruce Levin, Chair Faculty 6, Tenured 3, Tenured faculty who published 3 Graduate Students: part-time 57; full-time 28; full-time first year 10 Fellowship (7:4) 18000–19000 9 31000 Teaching Assistantship (20:0) 2571 2993			Applications due: 1/15 Contact number: 212-305-2271 Internship: yes Foreign languages: 0 Bachelor's by dept. 0 Master's by dept. 26 Doc. (01/04) B 10. Total: 10		
Columbia University, New York 10027					
MATHEMATICS http://www.math.columbia.edu John Morgan, Chair Faculty 40, Tenured 22, Tenured faculty who published 18 Graduate Students: part-time 30; full-time 100; full-time first year 39 Fellowship (2:0) 27500 12 Teaching Assistantship (48:0) 19646 9 Research Assistantship (4:0) 19646 9 Other (1:0)			Applications due: 1/3 Contact number: 212-854-6365 Foreign languages: 1 Stand alone: OT Bachelor's by dept. 52 Master's by dept. 43 Doc. (01/04) ANT 7, RCA 4, GT 9, DMC 1, Other 2. Total: 23		
Columbia University, New York 10027					
STATISTICS http://www.stat.columbia.edu Daniel Rabinowitz and Zhiliang Ying, Co-Chairs Faculty 17, Tenured 9, Tenured faculty who published 9 Graduate Students: part-time 43; full-time 86; full-time first year 36 Fellowship (29:6) 18000			Applications due: 1/15 Contact number: 212-854-3652 Internship: yes Foreign languages: 0 Stand alone: ST Bachelor's by dept. 8 Master's by dept. 63 Doc. (01/04) S 9. Total: 9		
Cornell University, Ithaca 14853					
APPLIED MATHEMATICS http://www.cam.cornell.edu Terrence L. Fine, Director Faculty *, Tenured –, Tenured faculty who published – Graduate Students: part-time –, full-time 33; full-time first year 5 Fellowship (7:3) 21250–30000 12 Teaching Assistantship (14:2) 16000–19000 9 Research Assistantship (8:0) 16000–19000 9			Applications due: 1/15 Contact number: 607-255-4756 Foreign languages: 0 Master's by dept. 7 Doc. (01/04) AM 18. Total: 18		
*Interdepartmental program—no full-time faculty.					

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
Cornell University, Ithaca 14853 (continued)					
MATHEMATICS			Applications due: 1/15		Bachelor's by dept. 53
http://www.math.cornell.edu			Contact number: 607-255-6757		Master's by dept. 13
Kenneth Brown, Chair			Foreign languages: 1		Doc. (01/04) RCA 2, RCA 2, GT 4, L 2, P 1, B 1, DMC 4, NA 1, Other 1. Total: 18
Faculty 36, Tenured 32, Tenured faculty who published 28					
Graduate Students: part-time –; full-time 73; full-time first year 11					
Fellowship (17:8)	19100–24500	12 50		0	
Teaching Assistantship (50:2.5)	16000	9 50	15	0	
Research Assistantship (6:.5)	16000	9 50	15	0	

New York University, Courant Institute of Mathematical Sciences, New York 10012

MATHEMATICS			Applications due: 1/4		Stand alone: OT
http://www.math.nyu.edu			Contact number: 212-998-3238		Master's by dept. 12*
Jalah Shatah, Chair			Internship: yes		Doc. (01/04) RCA 7, GT 3, P 5, AM 16, NA 6, Other 6. Total: 43
Faculty 52, Tenured 47, Tenured faculty who published 45			Foreign languages: 1		
Graduate Students: part-time 107; full-time 146; full-time first year 61					
Fellowship (14:1)		12		**	
Teaching and Research Assistantship (55:14)	19500	9	0–10	**	
Other (5:1)					

*For the M.S. program in math finance internships are highly recommended by the department (but are not mandatory).

**Individual comprehensive health insurance for teaching assistantships, research assistantships, and fully funded fellowships is covered by GSAS/New York University.

Rensselaer Polytechnic Institute, Troy 12180-3590

MATHEMATICAL SCIENCES			Applications due: 1/15		Stand alone: AM
http://www.math.rpi.edu			Contact number: 518-276-6414		Bachelor's by dept. 42
Donald A. Drew, Chair			Internship: yes		Master's by dept. 9
Faculty 24, Tenured 24, Tenured faculty who published 24			Foreign languages: 0		
Graduate Students: part-time 2; full-time 75; full-time first year 14					
Fellowship (8:2)	13000–18000	9 770	20 Research	yes	
Teaching Assistantship (39:14)	14000	9	20 Teach, grade	yes	
Research Assistantship (9:0)	13000–14000	9 770	20 Research	yes	
Summer Teaching (6:1)	4668	2	20 Teach		

Rochester Institute of Technology, Rochester 14623

MATHEMATICS AND STATISTICS			Applications due: 8/1		Master's only: yes
http://www.math.rit.edu			Contact number: 585-475-2498		Stand alone: AM, ST
Sophia Maggelakis, Head			Internship: yes		Bachelor's by dept. 27
Faculty 35, Tenured 24, Tenured faculty who published 6					Master's by dept. 1
Graduate Students: part-time 2; full-time 13; full-time first year 7					
Teaching Assistantship (8:3)	3000–10000	9 *	20 Teach, grade	no	
*Full-time: \$24,000; part-time: \$15,000.					

QUALITY AND APPLIED STATISTICS			Applications due: 7/1		Master's only: yes
http://www.rit.edu/eng/cqas			Contact number: 585-475-2231		Stand alone: ST
Joseph G. Voelkel, Chair			Internship: yes		Master's by dept. 25
Faculty 7, Tenured 6, Tenured faculty who published 3					
Graduate Students: part-time 60; full-time 7; full-time first year 7					
Fellowship (10:3)	600–4800	12 8000		30	
Scholarship and Lab Assistantship (6:5)	10000–13000	12 25000	10		

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
St. John's University, Jamaica 11439					
MATHEMATICS AND COMPUTER SCIENCE			Applications due: 4/15		Master's only: yes
Charles Traina, Chair			Contact number: 718-990-6166		Stand alone: PM, AM
Faculty 21, Tenured 18, Tenured faculty who published 7			or 718-990-6285		Bachelor's by dept. 20
Graduate Students: part-time 10; full-time 5; full-time first year 4					Master's by dept. 6
Research Assistantship (4:3)	6000–6500	9 200	12 Tutor in Math Lab, proctor	no	
State University of New York at Albany 12222					
MATHEMATICS AND STATISTICS			Applications due: 2/1		Bachelor's by dept. 104
Timothy L. Lance, Chair			Contact number: 518-442-4602		Master's by dept. 12
Faculty 26, Tenured 22, Tenured faculty who published 10			Foreign languages: 1		Doc. (01/04) ANT 3, RCA 3.
Graduate Students: part-time 10; full-time 41; full-time first year 10					Total: 6
Fellowship (2:–)	17000	9 600		*	
Teaching Assistantship (24:5)	12000–15525	9 600	18–20 Grade, teach	*	
*Variable.					
State University of New York at Binghamton 13902					
MATHEMATICAL SCIENCES			Applications due: 6/20		Stand alone: PM, K–12, ST
http://www.math.binghamton.edu/index.html			Contact number: 607-777-2148		Bachelor's by dept. 30
Benjamin Brewster, Chair			Foreign languages: 0		Master's by dept. 14
Faculty 20, Tenured 17, Tenured faculty who published 14					Doc. (01/04) ANT 1, GT 6,
Graduate Students: part-time 4; full-time 37; full-time first year 8					S 7, DMC 1. Total: 15
Fellowship (2:1)	12000	9		10	
Teaching Assistantship (35:8)	10000–12000	9	14 Grade, teach	10	
Research Assistantship (1:–)	13000–16000	9		yes	
State University of New York at Buffalo 14260-2900					
MATHEMATICS			Applications due: 1/15		Stand alone: PM, AM
http://www.math.buffalo.edu			Contact number: 716-645-6284, ext. 109		Bachelor's by dept. 51
Samuel D. Schack, Chair			Foreign languages: 0		Master's by dept. 8
Faculty 41, Tenured 34, Tenured faculty who published 26					Doc. (01/04) GT 2, L 1, AM 2,
Graduate Students: part-time 5; full-time 66; full-time first year 19					Other 1. Total: 6
Fellowship (14:4)	12400–19400	10 1052	13 Grade, teach, proctor	10	
Teaching Assistantship (41:16)	10400–13235	10 1052	13 Grade, teach, proctor	10	
State University of New York at Stony Brook 11794-3651					
MATHEMATICS/INSTITUTE FOR MATHEMATICAL SCIENCES			Applications due: 1/15		Stand alone: PM, K–12
http://www.math.sunysb.edu			Contact number: 631-632-8290		Bachelor's by dept. 40
Detlef Gromoll, Chair			Foreign languages: 2*		Master's by dept. 4
Faculty 27, Tenured 22, Tenured faculty who published 20					Doc. (01/04) ANT 1, RCA 3,
Graduate Students: part-time 30; full-time 74; full-time first year 12					GT 12. Total: 16
Teaching Assistantship (44:13)	14000–20000	9 600	9 Teach, grade	15	
Research Assistantship (30:–)	14000–20000	9 600	9 Research, teach	15	
*Only one for non-English speaking foreign students.					
State University of New York, College at Brockport 14420					
MATHEMATICS			Applications due: 4/15		Master's only: yes
http://www.math.brockport.edu/math/math.html			Contact number: 585-395-5172		Stand alone: PM, AM, K–12, 2T, ST
Charles Sommer, Chair					Bachelor's by dept. 30
Faculty 10, Tenured 4, Tenured faculty who published 2					Master's by dept. 5
Graduate Students: part-time 8; full-time 6; full-time first year 2					
Teaching Assistantship (3:1–3)	6000	9	15 Tutor*	9	
*Assistants work as tutors at Learning Skill Center.					

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours per week	type of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
State University of New York, College at Fredonia 14063						
MATHEMATICAL SCIENCES						
Nancy Boynton, Chair						Applications due: 4/1
Faculty 9, Tenured 6, Tenured faculty who published 4						Contact number: 716-673-3243
Graduate Students: part-time 15; full-time 3; full-time first year 2						Master's only: yes
Teaching Assistantship (1:1)	6500	9	15	Teach	9.72	Stand alone: K–12
						Bachelor's by dept. 27
						Master's by dept. 4

Syracuse University, Syracuse 13244-1150

MATHEMATICS						Applications due: 3/15
http://www.math.syr.edu						Contact number: 315-443-1472
Douglas R. Anderson, Chair						Internship: yes
Faculty 31, Tenured 29, Tenured faculty who published 23						Foreign languages: 1
Graduate Students: part-time 6; full-time 53; full-time first year 20						Bachelor's by dept. 13
Fellowship (2:2)	18000	9	76			Master's by dept. 7
Teaching Assistantship (45:15)	15700	9	76	4.5 ^c	Teach, grade	Doc. (01/04) ANT 1, S 2,
Research Assistantship (2:2)	13125–15700	9	76	20	Research	DMC 1, NA 1, Other 5.
Other (1:1)	21500	12	76			Total: 10
*Varies.						

University of Rochester, Rochester 14627

MATHEMATICS						Applications due: 2/1
http://www.math.rochester.edu						Contact number: 585-275-9422
Douglas Ravenel, Chair						Foreign languages: 1
Faculty 14, Tenured 14, Tenured faculty who published 10						Bachelor's by dept. 55
Graduate Students: part-time 0; full-time 26; full-time first year 3						Master's by dept. 7
Fellowship (2:0)	18000	9	522			Doc. (01/04) GT 3, Other 2.
Teaching Assistantship (19:3)	14500–18000	9	522	9	Teach, grade	Total: 5
Dean's Fellowship (2:0)	18000	9	522	9	Teach, grade	

NORTH CAROLINA**Appalachian State University, Boone 28608**

MATHEMATICAL SCIENCES						Applications due: 2/15
http://www.mathsci.appstate.edu						Contact number: 828-262-3050
William Bauldry, Chair						Internship: yes
Faculty 30, Tenured 18, Tenured faculty who published 10						Master's only: yes
Graduate Students: part-time 20; full-time 10; full-time first year 5						Stand alone: PM, K–12, 2T
Teaching Assistantship (10:5)	8000–12000	9	*	20	Teach	Bachelor's by dept. 30
						Master's by dept. 4
*In-state: \$3400; out-of-state: \$13000.						

Appalachian State University

The Master of Arts in Mathematics is designed for students who are interested in pursuing a teaching career at the college level. The course of study follows the Association of Mathematics at Two Year Colleges guidelines and provides an excellent mix of graduate mathematics with attention to issues related to teaching at the college level. Graduates will have solid foundations in mathematics as well as knowledge of issues such as collaborative learning, effective classroom teaching, and the use of technology. Coursework includes sequences in analysis and mathematical statistics along with a range of pure and applied electives, giving students the mathematical background needed for entry into doctoral programs in mathematics or for employment in teaching positions requiring masters degrees. Also offered is a master of arts degree leading to North Carolina M licensure for secondary mathematics teachers. Located in the Blue Ridge mountains in Boone North Carolina, Appalachian enjoys cool summers and crisp winters; opportunities for outdoor activity range from canoeing and hiking to skiing.

See <http://www.mathsci.appstate.edu/masters/> for more information.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
Duke University, Durham 27708					
MATHEMATICS			Applications due: 12/31		Bachelor's by dept. 44
http://www.math.duke.edu			Contact number: 919-660-2800		Master's by dept. 8
Richard Hain, Chair			Foreign languages: 0		Doc. (01/04) RCA 1, GT 3, P 2, B 1, AM 3, NA 2. Total: 12
Faculty 31, Tenured 28, Tenured faculty who published 24					
Graduate Students: part-time –; full-time 43; full-time first year 7					
Fellowship (34:7)	1785–16500	9		*	
Teaching Assistantship (19:0)	5100–12930	9		*	
Research Assistantship (11:0)	8250–16500	9		*	
*A one-time payment of \$1310.					
North Carolina State University, Raleigh 27695					
MATHEMATICS			Applications due: 2/1		Bachelor's by dept. 68
http://www.math.ncsu.edu			Contact number: 919-513-2296		Master's by dept. 20
Jean Pierre Fouque, Interim Chair			Internship: yes		Doc. (01/04) ANT 11, RCA 2, GT 6, P 1, AM 15, DMC 1, NA 7. Total: 43
Faculty 61, Tenured 47, Tenured faculty who published 47			Foreign languages: 1		
Graduate Students: part-time 6; full-time 141; full-time first year 46					
Fellowship (16:9)	2000–20000	9		yes	
Teaching Assistantship (87:27)	13000	9	20	Grade, teach, tutor	yes
Research Assistantship (14:4)	13000–18000	9	20	Research	yes
North Carolina State University, Raleigh 27695-8203					
STATISTICS			Applications due: 4/1		Stand alone: ST, OT
http://www.stat.ncsu.edu			Contact number: 919-515-1902		Bachelor's by dept. 30
Sastry G. Pantula, Head			Internship: yes		Master's by dept. 42
Faculty 35, Tenured 28, Tenured faculty who published 27			Foreign languages: 0		Doc. (01/04) S 42, Other 12. Total: 54
Graduate Students: part-time 3; full-time 158; full-time first year 42					
Fellowship (1:1)	1500	12		Research	0
Teaching Assistantship (59:19)	750–1500	9	20	Grade, teach	0
Research Assistantship (60:10)	1500	9	20	Research	0
University of North Carolina, Chapel Hill 27599					
BIOSTATISTICS			Applications due: 1/1		Bachelor's by dept. 9
http://www.sph.unc.edu/bios			Contact number: 919-966-7291		Master's by dept. 19
Clarence E. Davis, Chair			Internship: yes		Doc. (01/04) B 25. Total: 25
Faculty 24, Tenured 19, Tenured faculty who published 18			Foreign languages: 0		
Graduate Students: part-time 11; full-time 102; full-time first year 35					
Fellowship (Trainee) (28:7)	20772	12		Grade 1 course	108.50
Research Assistantship (51:10)	16844–22279	12	20	Research	108.50
*In-state tuition: \$851.82; out-of-state tuition: \$5348.22. 2003–2004 rates.					
**In-state tuition: \$1100.54; out-of-state tuition: \$12,341.54. 2003–2004 rates.					
MATHEMATICS			Applications due: 1/1		Stand alone: PM, AM
http://www.math.unc.edu			Contact number: 919-962-4178		Bachelor's by dept. 45
Christopher Jones, Chair			Foreign languages: 2		Master's by dept. 10
Faculty 33, Tenured 28, Tenured faculty who published 23					Doc. (01/04) ANT 1, RCA 6, GT 1, B 1, AM 1. Total: 10
Graduate Students: part-time –; full-time 58; full-time first year 10					
Fellowship (3:1)	12500–15500	9	10	Teach	*
Teaching Assistantship (43:8)	14500–17000	9	10–12	Teach, grade	*
Research Assistantship (11:1)	16500–17000	9			*
Other (1:–)	16500				
*Paid by university.					

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of North Carolina at Charlotte 28223					
MATHEMATICS AND STATISTICS			Applications due: 1/15*		Bachelor's by dept. 37
http://www.math.uncc.edu/grad			Contact number: 704-687-4929		Master's by dept. 6
Alan Dow, Chair			Internship: yes		Doc. (01/04) P 1, NA 3.
Faculty 42, Tenured 37, Tenured faculty who published 33			Foreign languages: 1		Total: 4
Graduate Students: part-time 10; full-time 37; full-time first year 9					
Fellowship (7:2)**	1000–2000	9	2552–3552		71
Teaching Assistantship (34:9)	***	9	3552	Grade, teach	71
Research Assistantship (3:0)	13000–14000	9	3552	Research	71
Summer 2005 (37:9)	1200–3000	2	25	Grade, teach, research	
*Suggested.					
**Salary supplement.					
**M.S.: \$10200; Ph.D.: \$12500–\$15300.					

Wake Forest University, Winston-Salem 27109-7388

MATHEMATICS			Applications due: 1/15		Master's only: yes
http://www.math.wfu.edu/			Contact number: 336-758-4887		Stand alone: PM, AM, ST, OR
Stephen B. Robinson Chair			Internship: yes		Bachelor's by dept. 27
Faculty 15, Tenured 11, Tenured faculty who published 11					Master's by dept. 4
Graduate Students: part-time 0; full-time 12; full-time first year 5					
Fellowship (3:1)	28475	24475			70
Teaching Assistantship (9:4)	34475	24475	15	Grade, tutorial	70

NORTH DAKOTA**North Dakota State University, Fargo 58105**

MATHEMATICS			Applications due: 3/31		Stand alone: PM, AM
http://www.ndsu.edu/math			Contact number: 701-231-8561		Bachelor's by dept. 15
Warren Shreve, Chair			Foreign languages: 1		Master's by dept. 3
Faculty 10, Tenured 8, Tenured faculty who published 8					Doc. (01/04) ANT 1. Total: 1
Graduate Students: part-time 1; full-time 20; full-time first year 5					
Fellowship (1:0)	18000	12	240	18	0
Teaching Assistantship (14:3.5)	8760–8978	9	240	18	0
Research Fellowship (1:0)	14000	9	240	20	Research
Teaching Fellowship (2:0)	14000	9	240	20	Teach



The Department of Mathematics at the University of North Carolina at Charlotte offers programs leading to the Ph.D. degree in Applied Mathematics, the M.S. degree in Mathematics with concentrations in General Mathematics, Applied Mathematics, and Applied Statistics, and the M.A. degree in Mathematics Education. Areas of study in the Ph.D. program include *Algebra, Analysis, Computational Fluid Dynamics and Electromagnetics, Dynamical Systems, Mathematical Finance, Numerical Methods, Partial Differential Equations and Mathematical Physics, Probability, Statistics, Stochastic Processes, and Topology*. In support of these programs, the Department has a strong research faculty of international stature.

For 2004–2005, assistantship stipends are set at \$10,200 for Master's students and \$12,500–\$15,300 for Ph.D. students. Especially gifted students may receive additional fellowship or grant support. Applications are accepted and considered as long as positions remain unfilled, but an application before January 15 is encouraged.

The University has an enrollment of over 19,000 and continued steady growth is expected. The metropolitan area of Charlotte is rapidly growing in terms of economic opportunity and cultural attractions that reflect a large and ethnically diverse multinational community of over 1.2 million people. For further information and applications, contact Joel Avrin, Graduate Coordinator, Department of Mathematics, University of North Carolina at Charlotte, Charlotte, North Carolina 28223, (704) 687-4929; jdavrin@email.uncc.edu. URL: www.math.uncc.edu.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of North Dakota, Grand Forks 58202-8376					
MATHEMATICS			Applications due: 5/15	Master's only:	yes
http://www.und.edu/dept/math/			Contact number: 701-777-2881	Stand alone: PM, AM	
Thomas Gilsdorf, Chair			Internship: yes	Bachelor's by dept.	15
Faculty 16, Tenured 11, Tenured faculty who published 9				Master's by dept.	5
Graduate Students: part-time –; full-time 14; full-time first year 8					
Teaching Assistantship (13:8)	10517	9 819	15 Teach	0	

OHIO

Air Force Institute of Technology, Wright-Patterson AFB 45433

MATHEMATICS AND STATISTICS			Applications due: 3/15	Bachelor's by dept.	0
http://en.afit.edu/enc			Contact number: 937-255-3636,	Master's by dept.	2
Alan V. Lair, Head			ext. 4519		
Faculty 17, Tenured 6, Tenured faculty who published 5			Foreign languages: 0		
Graduate Students: part-time 2; full-time 11; full-time first year 3					
Fellowship (4:0)	18000	12		no	
U. S. Air Force (7:3)					

Bowling Green State University, Bowling Green 43403

APPLIED STATISTICS AND OPERATIONS RESEARCH			Applications due: no date given	Master's only:	yes
http://www.cba.bgsu.edu/asor			Contact number: 419-372-2363	Stand alone: ST, OR, CS	
B. Madhu Rao, Chair			Internship: yes	Bachelor's by dept.	0
Faculty 8, Tenured 5, Tenured faculty who published 5					
Graduate Students: part-time 1; full-time 32; full-time first year 19					
Teaching Assistantship (28:12)	4378–8755	9	15	yes	

Bowling Green State University, Bowling Green 43403-0221

MATHEMATICS AND STATISTICS			Applications due: 3/1	Stand alone: PM, AM, K–12,	
http://www.bgsu.edu/departments/math			Contact number: 419-372-2638	ST	
Neal L. Carothers, Chair			Internship: yes	Bachelor's by dept.	95
Faculty 23, Tenured 19, Tenured faculty who published 17			Foreign languages: 0	Master's by dept.	14
Graduate Students: part-time 5; full-time 56; full-time first year 26				Doc. (01/04) ANT 1, S 2,	
Fellowship (3:0)	15779	12 26	10 Research	AM 2. Total: 5	
Teaching Assistantship (49:26)	10000–12623	9 26	5–6 ^c Teach, grade	72	

The University of North Dakota

MATHEMATICS AND COMPUTER SCIENCE

You are invited to apply to our Master's level programs in *Mathematics* or *Computer Science*. Both departments have high-quality, enthusiastic faculty members that are eager to work with students in the area of the student's interest. The M.S. degree, both thesis and non-thesis, is available in both departments. The Mathematics Department also offers the M.Ed. degree. Assistantships are available, in friendly departmental environments. Our graduates have had excellent success in seeking employment or in doctoral programs. Because the Master's degree is the highest graduate degree offered by these departments, the programs are more personalized. UND is a medium-sized research university in the pleasant city of Grand Forks, ND. There are outstanding cultural and outdoor activities, accessible in North Dakota, Minnesota and Manitoba. Write to the addresses in our announcements for more information.

UND is an Equal Opportunity/Affirmative Action Institution

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003-2004
Case Western Reserve University, Cleveland 44106-7058					
MATHEMATICS			Applications due: 3/15		Stand alone: PM, AM
http://www.case.edu/artsci/math			Contact number: 216-368-5014		Bachelor's by dept. 16
James Alexander, Chair			Foreign languages: 1		Master's by dept. 1
Faculty 15, Tenured 14, Tenured faculty who published 14					Doc. (01/04) RCA 1, GT 1.
Graduate Students: part-time --; full-time 13; full-time first year 6					Total: 2
Fellowship (12:--)		20102	*	97	
Teaching Assistantship (9:5)	15000	20102	*	97	
Research Assistantship (4:1)	15000	20102	*	97	
*Grade, teach, research.					

Case Western Reserve University, Cleveland 44106-7235

OPERATIONS			Applications due: *		Stand alone: OR, OT
http://weatherhead.case.edu/orom			Contact number: 216-368-4141		Bachelor's by dept. 0
Matthew J. Sobel, Chair			Foreign languages: 0		Master's by dept. 13
Faculty 10, Tenured 8, Tenured faculty who published 6					Doc. (01/04) Other 6. Total: 6
Graduate Students: part-time 3; full-time 48; full-time first year 21					
M.S. Tuition Assistantship (22:15)		7260/sem.	6	Grade	
Teaching Assistantship (15:3)**	1700	9	20	Grade, teach	97
Student Research (15:0)**	1600	2		Research	
*Ph.D: 2/15; Master's: 3/31.					
**Ph.D.					

Bowling Green State University

Department of Mathematics and Statistics The department offers programs leading to the M.A. and Ph.D. degrees in Mathematics and Statistics, the M.S. degree in applied statistics, and the Master of Arts in Teaching degree. With twenty-six full-time faculty members and approximately sixty-five graduate students, the department's low student/faculty ratio provides an excellent environment for personalized study and research supervision, and has resulted in high job placement rates. Faculty research strengths include algebra, analysis, applied mathematics, mathematics education, probability, and statistics. An Ohio Grant for Excellence in Statistics funds a Distinguished Visiting Professor and the Lukacs Symposium which attracts international researchers. The department has an active seminar and colloquium program and hosts several visiting faculty members in select areas each year. All faculty and graduate assistant offices are located conveniently in the Mathematical Sciences Building which also houses an outstanding Science Library, classrooms, and up-to-date computing facilities.

Financial Aid Financial Assistance is available to qualified students in the form of teaching assistantships (\$10,000-\$12,623 for nine months plus full tuition and

general fees) and non-service fellowships. Summer support in the range of \$1,594 - \$3,550 is also available; new students are encouraged to participate in a Summer Fellowship Program which carries a stipend of \$1,800. All full-time graduate students received full funding this past year and all graduate students requesting summer support received funding this past summer. Women and minorities are especially encouraged to apply (over 50 % of our funded graduate students are women and/or minorities).

The University Bowling Green State University is centrally located in Bowling Green, Ohio, a pleasant university town with easy access to Toledo, Detroit, Ann Arbor, Columbus, Cleveland, and Cincinnati.

Application Materials and Additional Information

To apply online and for further information, please visit our website at: www.bgsu.edu/departments/math. For additional application materials please contact Professor Hanfeng Chen, Graduate Coordinator, Department of Mathematics and Statistics, Bowling Green State University, Bowling Green, OH 43403-0221; 419-372-2637; GradSec4@bgnet.bgsu.edu



TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
John Carroll University, University Heights 44118-4581					
MATHEMATICS			Applications due: 6/30		Master's only: yes
Douglas A. Norris, Chair			Contact number: 216-397-4687		Stand alone: PM, K–12
Faculty 17, Tenured 15, Tenured faculty who published 4					Bachelor's by dept. 26
Graduate Students: part-time 18; full-time 7; full-time first year 6					Master's by dept. 4
Teaching Assistantship (7:6)	9700	9	20	Grade, teach, research	no

Kent State University, Kent 44242

MATHEMATICAL SCIENCES			Applications due: 5/15		Stand alone: PM, AM
http://www.math.kent.edu			Contact number: 330-672-2430		Master's by dept. 1
Andrew Tonge, Chair			Foreign languages: 1		Doc. (01/04) ANT 1, RCA 6,
Faculty 26, Tenured 20, Tenured faculty who published 14					GT 1, AM 2, NA 2, Other 2.
Graduate Students: part-time 4; full-time 27; full-time first year 1					Total: 14
Fellowship (22:1)	20400	12	20	Grade, teach	34
Teaching Assistantship (4:0)	17733–20400	12	20	Grade, teach	34
Research Assistantship (1:0)	17733–20400	12	20	Research	34

Miami University, Oxford 45056

MATHEMATICS AND STATISTICS			Applications due: 2/1		Master's only: yes
Mark Smith, Chair			Contact number: 513-529-5818		Stand alone: K–12
Faculty 39, Tenured 27, Tenured faculty who published 23			Internship: yes		Bachelor's by dept. 52
Graduate Students: part-time –; full-time 26; full-time first year 15					Master's by dept. 12
Teaching Assistantship (26:15)	13300	500	15	Grade, teach	yes
Research Assistantship (1:–)		500	15	Research	yes

Miami University of Ohio

Graduate Studies in Mathematics and Statistics

The University: Miami University is state supported, and serves 14,000 students at its main campus in Oxford, Ohio, a classic college town 35 miles northwest of downtown Cincinnati, Ohio. Well known for its tradition of excellence in both teaching and research, Miami has always been included in the select group of "public ivy" universities.

The Department and its graduate programs: We offer two-year Master's degrees in each of Mathematics and Statistics, as well as an M.A. in Teaching for secondary school mathematics teachers. Our comprehensive course offerings allow a student to choose a concentration in pure or applied mathematics, in statistics, or to design their own program combining these options. The faculty has strong research groups in Analysis, Algebra, Topology, Graph Theory, Optimization, Control Theory, and Statistics. Each year the department hosts a distinguished visiting professor and also regularly organizes a research conference in one of these areas. These resources present many opportunities for students to work one-on-one and in small groups with faculty in seminars, independent reading courses, advanced topics courses, and independent research. The combination of a strong, comprehensive curriculum and opportunities for independent work make Miami's graduate program an ideal transition to subsequent Ph.D. studies, and to employment in teaching, government, or industry.

Financial Aid: Our graduate assistantships offer a stipend of \$13,500 for the academic year and a remission of tuition. Additional support of \$1800 is available for those assistants taking summer courses. Duties involve assisting in courses and grading, and by the second year of their studies most graduate assistants teach their own course under faculty mentoring.

Contact information: Dr. Zevi Miller, Director of Graduate Studies, Department of Mathematics and Statistics, Miami University, Oxford, Ohio 45056, millerz@muohio.edu, (513)529-3520. Visit our graduate web page at www.muohio.edu/mathstat/graduate.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
Ohio State University, Columbus 43210					
MATHEMATICS (Ad on p. 68) http://www.math.ohio-state.edu Peter March, Chair Faculty 94, Tenured 78, Tenured faculty who published 47 Graduate Students: part-time 0; full-time 117; full-time first year 34 Fellowship (–:–) 18000–19300 12 Teaching Assistantship (117:–) 15300–16020 9 Research Assistantship (–:–) 15300–16020 9			Applications due: 1/15 Contact number: 614-292-6274 Foreign languages: 1 15 Teach, grade 15–20 Research	Stand alone: PM Bachelor's by dept. 89 Master's by dept. 8 Doc. (01/04) ANT 3, RCA 4, GT 3, P 1, AM 3, DMC 6, Other 5. Total: 25 65 65 yes	
STATISTICS http://www.stat.ohio-state.edu Douglas A. Wolfe, Chair Faculty 24, Tenured 20, Tenured faculty who published 20 Graduate Students: part-time 8; full-time 140; full-time first year 30 Fellowship (17:13) 15648 9 1197 Teaching Assistantship (52:5) 12930–16660 9 1197 Research Assistantship (13:0) 12930–16660 9 1197			Applications due: * Contact number: 614-292-0293 Internship: yes Foreign languages: 0 20 Teach, grade 20 Research	Stand alone: ST Bachelor's by dept. 0 Master's by dept. 46 Doc. (01/04) S 7, B 7. Total: 14 125 125 125	
*International: 11/28; domestic: 1/15.					
Ohio University, Athens 45701					
MATHEMATICS (Ad on p. 69) http://www.math.ohiou.edu Sergiu Aizicovici, Chair Faculty 25, Tenured 17, Tenured faculty who published 14 Graduate Students: part-time –; full-time 85; full-time first year 24 Fellowship (3:0) 15900 9 1503 Teaching Assistantship (36:12) 12600–14500 9 1503 OGS/GRS (5:5) 1800 9 1503			Applications due: 2/1 Contact number: 740-593-1252 Foreign languages: 0 15 Teach 15 Teach 6 Grade	Stand alone: PM, AM Bachelor's by dept. 31 Master's by dept. 26 Doc. (01/04) ANT 2, RCA 1, GT 2, AM 1, LNO 1. Total: 7 98* 98*	
*For nine months.					
University of Akron, Akron 44325					
THEORETICAL AND APPLIED MATHEMATICS http://www.math.uakron.edu Jianping Zhu, Chair Faculty 22, Tenured 18, Tenured faculty who published 16 Graduate Students: part-time 4; full-time 28; full-time first year 12 Teaching Assistantship (27:12) 12000–13000 9 400 Research Assistantship (1:–) 12000–13000 9 400			Applications due: 2/15 Contact number: 330-972-7400 Foreign languages: 1 20 Grade, teach 20 Research	Bachelor's by dept. 10 Master's by dept. 12 60 60	
University of Cincinnati, Cincinnati 45221-0025					
MATHEMATICAL SCIENCES (Ad on p. 70) http://math.uc.edu Timothy Hodges, Chair Faculty 40, Tenured 36, Tenured faculty who published 34 Graduate Students: part-time 8; full-time 88; full-time first year 33 Fellowship (4:0) 12000–15000 9 93 Teaching Assistantship (28:8) 11450–15500 9 93 Research Assistantship (1:0) 13850 9 93			Applications due: 2/1 Contact number: 513-556-4053 Internship: yes Foreign languages: 0 20 Teach, grade 20 Research	Master's by dept. 28 Doc. (01/04) ANT 1, P 1, S 1, NA 2, Total: 5 106 106 106	
University of Dayton, Dayton 45469-2316					
MATHEMATICS http://www.udayton.edu/~mathdept/ Paul W. Eloë, Chair Faculty 18, Tenured 8, Tenured faculty who published 5 Graduate Students: part-time 4; full-time 8; full-time first year 4 Teaching Assistantship (5:4) 11200 9			Applications due: 3/15 Contact number: 937-229-2511 Internship: yes 20 Grade, teach	Master's only: yes Stand alone: AM, OT Bachelor's by dept. 11 Master's by dept. 4	



Mathematics at Ohio State

The Ohio State University is the major university in the state of Ohio. It is located in Columbus, the state capital, whose metropolitan area has a population of over 1.5 million people. The university has about 50,000 students from more than 120 countries, with over 13,000 of them pursuing graduate or professional degrees. There are currently 110 students in the mathematics graduate program.

The Department of Mathematics has about 70 faculty members and is active in most areas of mathematics, including algebra, algebraic and differential geometry, applied mathematics, classical and modern analysis, combinatorics, dynamical systems and ergodic theory, logic, number theory, ordinary and partial differential equations, probability theory, scientific computing, and topology. The department has excellent computing facilities.

The department has a National Science Foundation (NSF) funded VIGRE program seeking to vertically integrate research and education. Special features include "Working Group Rotations" involving students and faculty in an informal setting to explore research problems in different areas. The Mathematics department, jointly with the Statistics department, is the home of the NSF Mathematical Biosciences Institute (MBI).

Academic Year. In 2003-2004, academic-year stipends for Graduate Teaching Associates (GTA) range from approximately \$ 14,950 to \$ 15,678 for a nine-month appointment. All GTA appointments include a full waiver of tuition and fees.

Summers Admitted students are encouraged to begin their studies in the summer quarter. The department provides Summer Headstart Fellowships to all new students. In summer 2003, the amount of this award was \$2,502. For continuing students, GTAs, GRAs, and fellowships are available. In 2003, the department gave summer support to most of those requesting it, with stipends ranging from \$ 1,500 to \$ 3,570.

Special Fellowships Each year, the department awards VIGRE fellowships to qualified applicants from among US nationals and permanent residents. In addition, other University fellowships are available, which are open to both domestic and international students. As of 2003-2004, fellowship stipends ranged from \$ 14,000 to \$ 18,000 for a twelve-month period, in addition to tuition waiver. Minority and women students are particularly encouraged to apply.

Applicants should have at least a one-year background in advanced calculus and linear and abstract algebra, and must present GRE scores (both general and subject). International applicants must also submit TOEFL scores.

For Additional Information contact
Graduate Secretary
Mathematics Department
The Ohio State University
Columbus, OH 43210-1174.

Office: (614) 292-6274
Fax: (614) 292-0167
e-mail: dwitcher@math.ohio-state.edu
www.math.ohio-state.edu
www.applyweb.com/apply/osu



OHIO UNIVERSITY

Department of Mathematics
Athens Ohio

Graduate Studies In Mathematics

www.math.ohiou.edu

Graduate Programs

The department offers Master's and Ph.D. degrees in Mathematics. The Master's program includes tracks in Computational Mathematics, Applied Mathematics, Pure Mathematics and Mathematics for Secondary School Teachers. At the Ph.D. level, we offer concentrations in Pure and Applied Mathematics. A major feature of our graduate programs is the possibility of designing study plans to meet individual needs and interests. If the student wishes to concentrate on a particular part of mathematics with the goal of doing research in that subject, he or she will be encouraged and helped to do so, provided there is faculty interest in the area. As an alternative route, a student may select a broad pattern of courses in preparation for such careers as college teaching. The excellent job placement record of our graduates is evidence for the success of this approach.

The Department and Faculty

The department consists of 26 full-time faculty. In addition, usually there are several visiting mathematicians. Most of our faculty members are active researchers; several are nationally and internationally recognized leaders in their fields of expertise. There is a lively schedule of research seminars and departmental colloquia. Our graduate students actively participate in these activities. The relatively small size of our department allows the formation of close research associations between faculty and graduate students, and apprenticeship in doing research is considered an essential part of graduate training, especially at the Ph.D. level.

Financial Aid

Teaching assistantships are available annually, carrying stipends from \$12,600 to \$14,500 for nine months, together with a tuition fee waiver. The teaching load is four or five hours per week. The department also offers three doctoral fellowships to qualified U.S. citizens who wish to pursue a Ph.D. Degree. These fellowships carry a total stipend of \$15,900 plus a tuition fee waiver.

Location

Ohio University is located in Athens, amidst the picturesque rolling hills of southeastern Ohio. Local living costs are low, and Athens residents greatly enjoy the combination of a charming small-town setting with the intellectual stimulation and abundance of cultural activities offered by this university-centered community.

For further information contact:

Graduate Chair
Department of Mathematics
Ohio University
Athens, OH 45701-2979
(740)-593-1252

Be sure to visit our web site at:

www.math.ohiou.edu

Faculty research interests:

Applied and computational mathematics

- Numerical analysis
- Numerical explorations of dynamical systems
- Wavelet analysis
- Combinatorial optimization
- Applied linear algebra
- Coding theory
- Applications to biology including animal behavior, computational molecular biology, and neuroscience
- Financial mathematics

Theoretical mathematics

- Ring theory and module theory
- Group theory
- Functional analysis
- Harmonic analysis
- Sequence spaces and summability
- Semigroups of operators
- Dynamical systems
- Ordinary, partial and functional differential equations
- Optimal control theory
- General topology
- Topological groups

Mathematics education

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Toledo, Toledo 43606-3390					
MATHEMATICS http://www.math.utoledo.edu Geoffrey Martin, Chair Faculty 30, Tenured 28, Tenured faculty who published 19 Graduate Students: part-time –; full-time 42; full-time first year 16 Teaching Assistantship (42:16)	10000–13000	9 1700	15 Teach, grade, tutor	50	Applications due: 2/15 Contact number: 419-530-2568 Internship: yes Foreign languages: 1 Stand alone: PM, AM, AS, ST Bachelor's by dept. 18 Master's by dept. 9 Doc. (01/04) ANT 1, GT 3, S 1. Total: 5
Wright State University, Dayton 45435					
MATHEMATICS AND STATISTICS http://www.math.wright.edu Manley Perkel, Chair Faculty 30, Tenured 23, Tenured faculty who published 22 Graduate Students: part-time 12; full-time 25; full-time first year 17 Teaching Assistantship (6:6) Tuition Scholarship (3:3)	12099	9	20 Teach, grade	59	Applications due: 2/15 Contact number: 937-775-2785 Internship: yes Master's only: yes Stand alone: PM, AM, ST Bachelor's by dept. 8 Master's by dept. 8
Youngstown State University, Youngstown 44555					
MATHEMATICS AND STATISTICS http://www.math.ysu.edu/ John Buoni, Chair Faculty 22, Tenured 15, Tenured faculty who published 8 Graduate Students: part-time 8; full-time 31; full-time first year 16 Teaching Assistantship (22:8) Research Assistantship (11:0) Graduate Assistantship (7:6)	10000 1500 10000–11500	9 756 3 252 9* 756	20 Teach 20 Research 20 Tutor	no no	Applications due: 2/15 Contact number: 330-941-3302 Internship: yes Master's only: yes Stand alone: PM, AM, K–12, 2T, AS, ST, CS, OT Bachelor's by dept. 12 Master's by dept. 4

*For the summer semester, there is a tuition waiver for all students who were graduate assistants during the previous nine months.

Department of Mathematical Sciences

McMicken College of Arts & Sciences



Degree Program:

The Department of Mathematical Sciences offers Graduate Study leading to the PhD, MS and MAT degrees. With 40 full-time faculty and approximately 60 full-time graduate students, the department's low student/faculty ratio provides an excellent environment for study and research direction. Active research groups include algebra, complex analysis, computational finance, differential equations, dynamical systems, functional analysis, industrial math, numerical analysis, partial differential equations, probability, statistics and topology.

Financial Aid:

Outstanding Students may be nominated for fellowships, which pay \$15,500 for 12 months. The current level of support for graduate teaching assistants is \$11,450 to \$15,500 for 9 months. All stipends include tuition remission. Some summer support is also available. Financial aid decisions are made starting February 1. Applications must include GRE General Test Scores.

Campus:

The University of Cincinnati is located adjacent to a 90-acre park in a residential neighborhood 2 miles north of downtown Cincinnati. Ample housing is available within walking distance of campus. Cincinnati offers many cultural and recreational opportunities and has been ranked as one of the most livable cities in the United States. The University of Cincinnati is a state university and has been designated by the State of Ohio as one of the two Principal institutions for instruction and research at the doctoral level.

For more information contact:

Professor David Herron, Graduate Program Director
University of Cincinnati, PO Box 210025
Cincinnati, OH 45221-0025

Email: grad.sec@math.uc.edu
Phone: (513) 556-4053
URL: <http://math.uc.edu>

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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OKLAHOMA

Oklahoma State University, Stillwater 74078

MATHEMATICS

<http://www.math.okstate.edu>

Alan Adolphson, Chair

Faculty 28, Tenured 24, Tenured faculty who published 17

Graduate Students: part-time –; full-time 47; full-time first year 15

Teaching Assistantship (40:15)	12000–15000	9	1900
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Research Assistantship (1:0)	12000–13500	9	1900
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Applications due: 3/1

Contact number: 405-744-5688

Internship: yes

Foreign languages: 1

Stand alone: PM, AM, K–12,
2T

Bachelor's by dept. 22

Master's by dept. 10

Doc. (01/04) ANT 2, RCA 1.

Total: 3

6 ^c	Grade, teach	0
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20	Research	0
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STATISTICS

<http://statistics.okstate.edu>

William Warde, Chair

Faculty 8, Tenured 6, Tenured faculty who published 6

Graduate Students: part-time –; full-time 24; full-time first year –

Teaching Assistantship (17:6)	10318–10651	9	*
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Applications due: 2/1

Contact number: 405-744-5684

Foreign languages: 0

Bachelor's by dept. 3

Master's by dept. 2

Doc. (01/04) S 2. Total: 2

20	Grade, teach, research	
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*Resident: \$1796; nonresident: \$2531.

University of Oklahoma, Norman 73019

MATHEMATICS

<http://www.math.ou.edu>

Paul R. Goodey, Chair

Faculty 30, Tenured 25, Tenured faculty who published 25

Graduate Students: part-time 3; full-time 62; full-time first year 10

Fellowship (21:3)	1500–5000	9	400
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Teaching Assistantship (60:10)	10843–12651	9	400
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Research Assistantship (2:0)	12049	9	400
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Applications due: 4/15

Contact number: 405-325-6711

Foreign languages: 2

Stand alone: AM, K–12

Bachelor's by dept. 29

Master's by dept. 3

Doc. (01/04) ANT 1, GT 1,

AM 1, Other 2. Total: 5

20	Grade, teach	0
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40	Research	
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OKLAHOMA STATE UNIVERSITY™

The Department of Mathematics at Oklahoma State University invites qualified applicants to join its Graduate Program.

THE DEPARTMENT: We have highly regarded research groups in Algebraic Geometry, Analysis, Applied Math, Math Education, Number Theory, Topology, Lie Groups and Representation Theory and are widely recognized for our supportive environment for graduate students. The Department has 30 faculty, on average 10 postdoctoral fellows and 45 graduate students and is located in the safe and affordable city of Stillwater.

DEGREE PROGRAMS: We offer both a Masters Program (Pure, Applied and Math Education) and a Doctoral Program (Pure, Applied and Math Education). There are weekly seminars in each of these research areas, an outstanding visitor and colloquium program and opportunities for early exposure to research, internships and interdisciplinary experiences.

ASSISTANTSHIPS AND FELLOWSHIPS: Teaching Assistantships provide most of our financial aid to graduate students. There are no teaching duties for students in their first semester of study. There are a limited number of full tuition waivers and fellowships, which increase stipends. Advanced graduate students also may be supported by Research Fellowships.

APPLICATION: Application forms and more information may be obtained from:

Director of Graduate Studies

Oklahoma State University

Department of Mathematics

Stillwater, OK 74078-1058

or

<http://mathgrad.okstate.edu>

email: graddir@math.okstate.edu

Telephone: (405) 744-5688

Fax: (405) 744-8275

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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OREGON

Oregon State University, Corvallis 97330

MATHEMATICS

<http://oregonstate.edu/dept/math>

Harold Parks, Chair

Faculty 24, Tenured 23, Tenured faculty who published 21

Graduate Students: part-time –; full-time 23; full-time first year 17

Teaching Assistantship (–:–) 11500–12000 9 350

Applications due: 2

Contact number: 541-737-4686

Internship: yes

Foreign languages: 1

Stand alone: K–12, AS

Bachelor's by dept. 21

Master's by dept. 11

Doc. (01/04) ANT 2, RCA 2, GT 3, AM 5, NA 1. Total: 13

13 Grade, teach, research 108

Oregon State University, Corvallis 97331

STATISTICS

<http://oregonstate.edu/dept/statistics>

Robert Smythe, Chair

Faculty 8, Tenured 6, Tenured faculty who published 6

Graduate Students: part-time 6; full-time 40; full-time first year 18

Fellowship (3:3) 1000–3000 9 *

Teaching Assistantship (15:4) 7700–11493 9 400

Research Assistantship (8:2) 11493–14047 9–12 400

Consulting, Computing (2:0) 11493 9 400

Applications due: 2/15

Contact number: 541-737-3480

Internship: yes

Stand alone: ST, OR

Master's by dept. 12

Doc. (01/04) S 4. Total: 4

18 ** ***
18 Research ***
18 Other

*These Fellowships are in addition to Teaching or Research Assistantships.

**Grade, teach sections.

***Costs variable: OSU pays \$115 per month.

Portland State University, Portland 97207

MATHEMATICS AND STATISTICS

<http://www.mth.pdx.edu>

Marek Elzanowski, Chair

Faculty 23, Tenured 15, Tenured faculty who published 13

Graduate Students: part-time 25; full-time 50; full-time first year 20

Fellowship (3:0) 12000 9 890

Teaching Assistantship (24:10) 7956–14490 9 890

Research Assistantship (2:0) 22500 9 890

Applications due: 2/1

Contact number: 503-725-3621

Internship: yes

Foreign languages: 1

Bachelor's by dept. 34

Master's by dept. 18

Doc. (01/04) GT 1, AM 1, Other 2. Total: 4

15 Research 35
7^c Teach 35
30 Research 35

University of Oregon, Eugene 97403-1222

MATHEMATICS

<http://darkwing.uoregon.edu/math>

Brad Shelton, Chair

Faculty 34, Tenured 28, Tenured faculty who published 26

Graduate Students: part-time 1; full-time 56; full-time first year 10

Fellowship (57:10) 13000 9 798

Applications due: 3/1

Contact number: 541-346-4705

Foreign languages: 1

Stand alone: K–12

Bachelor's by dept. 76

Master's by dept. 14

Doc. (01/04) ANT 6, RCA 4, GT 7. Total: 17

4^c Teach 0

Graduate Studies in Mathematics and Statistics Portland State University

The Portland State University Department of Mathematics and Statistics offers graduate programs leading to a **PhD in Mathematical Sciences**, a **PhD in Mathematics Education**, an **MA/MS and MST in Mathematics**, and an **MS in Statistics**. The department also participates in the interdisciplinary graduate program in Systems Science leading to a **PhD in Systems Science/Mathematics**. The PhD in Mathematical Sciences program prepares participants for career paths in government and industry, as well as for traditional academic careers. The PhD program in Mathematics Education provides a balance of work in both mathematics education and mathematics for candidates seeking careers as mathematics educators in college and university mathematics or education departments as community college mathematics educators, or as mathematics education specialists in school districts. The MS in Statistics program is available for candidates interested in careers in the statistics including government, industry, and medical fields. Areas of faculty expertise include topology, geometry, algebra, analysis, graph theory, dynamical systems, control theory, computational mathematics, probability, statistics, applied mathematics, and mathematics education.

Financial Aid. **Teaching Assistantships** are available for applicants and include a tuition waiver, with stipends from \$7,956 to \$14,490. Summer support is available on a limited basis.

Location. Portland State University is one of the premier urban universities in the country located in a city with a population in excess of a million within the metropolitan area. Just south of the confluence of the Willamette and Columbia rivers, Portland is within an hours drive of the high Cascade Mountains, the scenic Columbia Gorge, and the exquisite Oregon Pacific Coast.

Information. For further information and application forms, visit <http://www.mth.pdx.edu>, or write:

Graduate Programs—Department of Mathematics and Statistics
Portland State University
Portland, OR 97207-0751

Phone: 503-725-3621
fax: 503-725-3661
e-mail: eileenm@pdx.edu

UNIVERSITY OF OREGON

The Department: The Mathematics Department at the University of Oregon offers programs leading to the Ph.D. in a wide variety of areas of mathematics and statistics. The American Mathematical Society ranks the Department in the top group of U.S. research departments. The UO is located in the lovely Willamette Valley, with easy access to the Pacific Ocean and the Cascade mountains.

Graduate Studies: The goal of the graduate program is to produce doctoral students who are outstanding researchers and teachers. Along with a program of stimulating courses and seminars, we put considerable effort into helping graduate students become fine teachers. Graduate Teaching Fellows receive a full tuition waiver and salary and are in charge of their own classes, starting from the first year. The Department has an outstanding record of placing its doctoral students, due to its high-level program of research and teaching.

Information: Website: <http://darkwing.uoregon.edu~math>, Brad Shelton, Department Head, shelton@math.uoregon.edu. Judy Perkins, Graduate Secretary, jperkins@darkwing.uoregon.edu, Graduate Admissions, University of Oregon, Eugene OR 97403-1222. Phone (541) 346-4705.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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PENNSYLVANIA

Bryn Mawr College, Bryn Mawr 19010

MATHEMATICS			Applications due: 1/15		Bachelor's by dept. 26
http://www.brynmawr.edu/math			Contact number: 610-526-7460		Master's by dept. 5
Helen Grundman, Chair			Foreign languages: 2		Doc. (01/04) ANT 1, RCA 1.
Faculty 6, Tenured 5, Tenured faculty who published 5					Total: 2
Graduate Students: part-time 8; full-time 8; full-time first year 2					
Fellowship (1:0)	14000	9		Research	22
Teaching Assistantship (6:2)	17000	12	12	Teach, grade	22

Carnegie Mellon University, Pittsburgh 15213

MATHEMATICAL SCIENCES			Applications due: 1/15		Bachelor's by dept. 45
http://www.math.cmu.edu			Contact number: 412-268-2545		Master's by dept. 4
Roy Nicolaides, Head			Internship: yes		Doc. (01/04) GT 1, L 4, P 1,
Faculty 29, Tenured 23, Tenured faculty who published 23			Foreign languages: 0		S 1, AM 4, DMC 2, NA 1,
Graduate Students: part-time –; full-time 44; full-time first year 11					LNO 1, Other 3. Total: 18
Fellowship (2:1)	15120	9			164
Teaching Assistantship (31:10)	15120	9	18	Grade, teach	164
Research Assistantship (9:–)	15120	9	18	Research	164
Tuition Grant (2:–)					

Drexel University, Philadelphia 19104

MATHEMATICS			Applications due: no date given		Stand alone: AM, ST
http://www.drexel.edu/academics/coas/math			Internship: yes		Bachelor's by dept. 26
Pawel Hitczenko, Interim Head			Foreign languages: 0		Master's by dept. 12
Faculty 13, Tenured 11, Tenured faculty who published 6					Doc. (01/04) S 1, AM 1.
Graduate Students: part-time 16; full-time 13; full-time first year 4					Total: 2
Teaching Assistantship (12:3)	13000–14500	9	20		71.50
Research Assistantship (1:1)	13000–16000	10	20		71.50

Indiana University of Pennsylvania, Indiana 15705

MATHEMATICS			Applications due: 2/1		Master's only: yes
http://www.math.iup.edu			Contact number: 724-357-2608		Stand alone: AM, K–12, ST,
Gary S. Stoudt, Chair			Internship: yes		OR
Faculty 29, Tenured 21, Tenured faculty who published 14					Bachelor's by dept. 22
Graduate Students: part-time 16; full-time 6; full-time first year 2					Master's by dept. 5
Fellowship (6:2)	5660	9	20	Tutor, supervise labs	

Bryn Mawr College

Graduate Study in Mathematics

For over a century, Bryn Mawr's Graduate School of Arts and Sciences has uniquely provided university-quality research training leading to M.A. and Ph.D. degrees in the supportive environment of a liberal arts college. The Graduate School has been co-educational since 1931.

Applicants can be considered for research fellowships and teaching assistantships that offer a complete tuition waiver, health insurance assistance, and a stipend of \$14,000–\$17,000. Consideration of applications will begin January 15. More information can be obtained at www.brynmawr.edu/math or by writing to MathGradAdvisor@brynmawr.edu or Graduate Advisor, Mathematics Department, Bryn Mawr College, Bryn Mawr PA 19010.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
Lehigh University, Bethlehem 18015					
MATHEMATICS http://www.lehigh.edu/~math Steven H. Weintraub, Chair Faculty 21, Tenured 19, Tenured faculty who published 17 Graduate Students: part-time 2; full-time 30; full-time first year 6 Teaching Assistantship (23:2)	13500–13900	9 200	15 Tutor, teach, grade	16	Stand alone: ST Bachelor's by dept. 12 Master's by dept. 7 Doc. (01/04) ANT 1, RCA 1, GT 4, P 1, AM 1, DMC 1. Total: 9
Pennsylvania State University, University Park 16802					
MATHEMATICS http://www.math.psu.edu/Grad Nigel D. Higson, Chair Faculty 53, Tenured 42, Tenured faculty who published 37 Graduate Students: part-time –; full-time 96; full-time first year 26 Fellowship (4:3) Teaching Assistantship (80:23) Research Assistantship (5:0) NSF VIGRE (8:0)	13185–14805 13185–14805 18000	10 10 10 10	20 20 20 Grade, teach Research Teach, research	20 20 20	Stand alone: PM, AM, K–12, 2T, OR Bachelor's by dept. 81 Master's by dept. 6 Doc. (01/04) ANT 2, RCA 2, GT 4, L 1, P 1, AM 2, Other 7. Total: 19
STATISTICS http://www.stat.psu.edu James L. Rosenberger, Chair Faculty 22, Tenured 14, Tenured faculty who published 14 Graduate Students: part-time –; full-time 52; full-time first year 16 Fellowship (3:2) Teaching Assistantship (38:13) Research Assistantship (9:–) Country Support (2:1)	14175–18175 13185–14175 14175	9 9 9	20 20 Grade, teach Research	23 23 23	Stand alone: ST Bachelor's by dept. 8 Master's by dept. 12 Doc. (01/04) S 20. Total: 20
Temple University, Philadelphia 19122					
MATHEMATICS http://www.math.temple.edu Omar Hijab, Chair Faculty 35, Tenured 35, Tenured faculty who published 20 Graduate Students: part-time 3; full-time 31; full-time first year 7 Fellowship (3:3) Teaching Assistantship (25:3) Research Assistantship (2:1)	14146–20000 14146 15300–21000	12 9 9 55–240 55–240 55–240	20 20 Research Teach, grade Research	* * *	Stand alone: PM, AM Bachelor's by dept. 13 Master's by dept. 2 Doc. (01/04) ANT 7, RCA 2, GT 2, P 1, AM 1, DMC 1. Total: 14
University of Pennsylvania, Philadelphia 19104-6395					
MATHEMATICS http://www.math.upenn.edu Julius Shaneson, Chair Faculty 39, Tenured 26, Tenured faculty who published 24 Graduate Students: part-time 1; full-time 62; full-time first year 16 Fellowship (24:15) Teaching Assistantship (35:–)	16000–20000 16000–19000	9 9	12 * 12 Grade, teach	0 0	Stand alone: PM, AM Bachelor's by dept. 164 Master's by dept. 13 Doc. (01/04) ANT 8, RCA 3, GT 2, L 1, AM 2, DMC 4. Total: 20
University of Pennsylvania, Philadelphia 19104-6340					
STATISTICS http://www-stat.wharton.upenn.edu Abba M. Krieger, Chair Faculty 18, Tenured 12, Tenured faculty who published 12 Graduate Students: part-time 0; full-time 21; full-time first year 6 Teaching Assistantship (19:6) Research Assistantship (2:0)	18000 18000	9 9	Grade, office hours *	0 0	Bachelor's by dept. 28 Master's by dept. 5 Doc. (01/04) P 2, S 11. Total: 13

*Assist with database, research.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Pittsburgh, Pittsburgh 15260					
MATHEMATICS			Applications due: 1/15		Bachelor's by dept. 46
http://www.math.pitt.edu			Contact number: 412-624-1175		Master's by dept. 9
John Chadam, Chair			Foreign languages: 0		Doc. (01/04) ANT 2, RCA 2, GT 3, AM 6, DMC 5, NA 4.
Faculty 31, Tenured 23, Tenured faculty who published 23					Total: 22
Graduate Students: part-time 5; full-time 60; full-time first year 20					
Fellowship (5:0)	16000–30000	12	Research	155	
Teaching Assistantship (51:14)	12775–13290	8	15–20 Teach, grade	0	
Research Assistantship (8:0)	12800–13600	8	20 Research	0	

PUERTO RICO

University of Puerto Rico, Mayaguez 00681-9018

MATHEMATICS			Applications due: 3/15		Master's only: yes
http://math.uprm.edu			Contact number: 787-265-3848		Stand alone: PM, K–12
Pedro Vasquez, Chair					Bachelor's by dept. 34
Faculty 49, Tenured 46, Tenured faculty who published 15					Master's by dept. 9
Graduate Students: part-time –; full-time 32; full-time first year 15					
Teaching Assistantship (25:15)	917	10	6 Teach	no	

RHODE ISLAND

Brown University, Providence 02912

APPLIED MATHEMATICS			Applications due: 1/7		Stand alone: AM
http://www.dam.brown.edu			Contact number: 401-863-2115		Bachelor's by dept. 15
Chi-Wang Shu, Chair			Foreign languages: 1		Master's by dept. 16
Faculty 21, Tenured 18, Tenured faculty who published 18					Doc. (01/04) P 1, B 2, NA 5.
Graduate Students: part-time –; full-time 60; full-time first year 9					Total: 8
Fellowship (20:8)	16000–16500	9		0	
Teaching Assistantship (9.5:–)	16000–16500	9		0	
Research Assistantship (19:–)	16000–16500	9		0	
Other (6:–)					
COMMUNITY HEALTH–BIOSTATISTICS			Applications due: 1/2		Stand alone: ST
http://bms.brown.edu/commhealth/dept/prg-grad.html			Contact number: 401-863-9181		Bachelor's by dept. 1
Constantine Gatsonis, Chair			Internship: yes		Master's by dept. 2
Faculty 8, Tenured 2, Tenured faculty who published 2			Foreign languages: 0		Doc. (01/04) B 2. Total: 2
Graduate Students: part-time 0; full-time 8; full-time first year 0					
Fellowship (1:1)	20460–21000	12		0	
Teaching Assistantship (2:1)	20460–21000	12	20 Grade, teach	0	
Research Assistantship (5:2)	20460–21000	12	20 Research	0	
MATHEMATICS			Applications due: 1/2		Bachelor's by dept. 9
http://www.math.brown.edu			Contact number: 401-863-1867		Master's by dept. 9
Joseph Silverman, Chair			Foreign languages: 1		Doc. (01/04) ANT 3, GT 7, AM 5. Total: 15
Faculty 18, Tenured 17, Tenured faculty who published 17					
Graduate Students: part-time 0; full-time 31; full-time first year 7					
Fellowship (8:7)	14500–15000	9		0	
Teaching Assistantship (18:0)	16000–17000	9		0	
Research Assistantship (2:0)	15000	9		0	
Graduate Trainee (3:0)	15000	9			

University of Rhode Island, Kingston 02881

MATHEMATICS			Applications due: 2/15		Bachelor's by dept. 21
http://www.math.uri.edu			Contact number: 401-874-4519		Master's by dept. 4
Lewis Pakula, Chair			Foreign languages: 1		Doc. (01/04) RCA 5, DMC 3.
Faculty 18, Tenured 13, Tenured faculty who published 10					Total: 8
Graduate Students: part-time 5; full-time 15; full-time first year 6					
Teaching Assistantship (13:5)	10614–11525	9 920	20 Teach, tutor	0	

Graduate Study in Mathematics at the University of Pittsburgh



University of Pittsburgh Department of Mathematics

*The Department of Mathematics
aims for Excellence in Education
and Research - in a friendly and
supportive environment.*

Come join us!

An active and broadly based research faculty working in diverse areas of pure and applied mathematics. The Department is organized in several research groups:

Algebra, Combinatorics and Discrete Math

Research interests include algebra, combinatorics, number theory and geometry. The group is led by Professor Tom Hales, who in 1998 solved the 400 year old Kepler's conjecture, also known as the Cannonball Packing Problem.

Analysis and Partial Differential Equations

Research interests cover classical to modern analysis, from functional analysis to fully nonlinear subelliptic equations. Recent areas of activity include several complex variables, geometry of Banach spaces, analysis on Carnot-Carathodory spaces.

Topology and Geometry

Research interests range from analytic topology, topological algebra and geometric topology to relativity theory and differential geometry, with emphasis on twistor methods.

Financial Aid

We offer competitive financial aid packages. These include teaching assistantships, research assistantships, and Mellon fellowships. All of these come with full tuition scholarships and excellent health care benefits. Support is guaranteed for at least four years subject to satisfactory academic performance.

Applied Analysis and Differential Equations

Research interests focus on the analysis of nonlinear differential equations that arise in modeling free boundary problems, phase transitions and pattern formation.

Mathematical Biology

Areas of interest include neuroscience, movement disorders, immunology, cellular function, and genetic regulation. The group is led by Professor Bard Ermentrout, a world leader in computational biology. The Department has an active relationship with the Center for the Neural Basis of Cognition.

Mathematical Finance

Research interests include experimental asset market and modeling, numerical methods for stochastic partial differential equations with non-Gaussian noise, and option pricing.

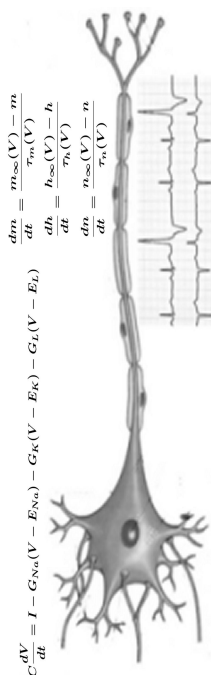
Numerical Analysis and Scientific Computing

Research interests embrace numerical analysis of partial differential equations, adaptive methods for scientific computing, computational methods of fluid dynamics and elasticity. The Department has an active relationship with the Pittsburgh Supercomputing Center.

The City of Pittsburgh and Campus

The Department of Mathematics is located in the vibrant neighborhood of Oakland close to downtown Pittsburgh. Many of Pittsburgh's cultural attractions, including museums and botanical gardens, are within walking distance. The Heinz Symphony Hall and theater district are easily reached by public transportation.

Department of
Mathematics
301 Thackeray Hall
University of Pittsburgh
Pittsburgh PA, 15260
Phone: (412) 624-8375
Fax: (412) 624-8397
math@pitt.edu



For more information on our graduate program and to apply on-line please visit:

www.math.pitt.edu

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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SOUTH CAROLINA

Clemson University, Clemson 29634-0975

MATHEMATICAL SCIENCES

<http://www.math.clemson.edu>

Robert Taylor, Chair

Faculty 39, Tenured 30, Tenured faculty who published 27

Graduate Students: part-time 7; full-time 95; full-time first year 24

Fellowship (4:3)	5000	9	2088
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Teaching Assistantship (82:21)	6250–14000	12	2399
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Research Assistantship (19:5)	6250–30000	12	2399
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*Year-round.

Applications due: *

Contact number: 864-656-5201

Internship: yes

Foreign languages: 0

Bachelor's by dept. 18

Master's by dept. 25

Doc. (01/04) ANT 2, DMC 1, NA 2, Other 5. Total: 10

83

83

83

College of Charleston, Charleston 29424

MATHEMATICS

<http://math.cofc.edu>

Deanna Caveny, Chair

Faculty 26, Tenured 20, Tenured faculty who published 15

Graduate Students: part-time 16–19; full-time 4; full-time first year 4

Teaching Assistantship (4:4)	9000–9900	9	4350
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Applications due: 4/15

Contact number: 843-953-5730

Master's only: yes

Stand alone: PM, AM, ST

Bachelor's by dept. 20

Master's by dept. 2

15–20	Recitations, tutor, grade	95
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Medical University of South Carolina, Charleston 29425

BIostatISTICS, BIOinformatics/EPIDEMIOLOGY

<http://www.biometry.musc.edu>

Barbara C. Tilley, Chair

Faculty 19, Tenured 11, Tenured faculty who published 11

Graduate Students: part-time 50; full-time 35; full-time first year 12

Fellowship (8:5)	21000–27500	14	1211
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Research Assistantship (14:5)	21000–27000	12	1211
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Training Grant (6:2)	21000–40965	12	
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Applications due: 1/15

Contact number: 843-876-1578

Internship: yes

Stand alone: ST

Bachelor's by dept. 0

Master's by dept. 8

Doc. (01/04) B 4, Other 6. Total: 10

84.58

84.58

20	Research
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20	Research
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University of South Carolina, Columbia 29208

EPIDEMIOLOGY AND BIostatISTICS

John E. Vena, Chair

Faculty 12, Tenured 8, Tenured faculty who published 8

Graduate Students: part-time 26; full-time 24; full-time first year 10

Teaching Assistantship (–:–)	7200–13000	9	
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Research Assistantship (–:–)	7200–13000	9	
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Applications due: *

Contact number: 803-777-7353

Foreign languages: 0

Stand alone: OT

Bachelor's by dept. 0

Master's by dept. 14

Doc. (01/04) B 4, Other 11.

Total: 15

100

100

20	Grade
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20	Research
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*All applicants admitted are considered for assistantships if they desire one and if funds are available.

MATHEMATICS

<http://www.math.sc.edu/grad>

Manfred Stoll, Chair

Faculty 36, Tenured 31, Tenured faculty who published 3

Graduate Students: part-time 3; full-time 39; full-time first year 16

Teaching Assistantship (39:16)	14000–16000	9	1544
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Supplemental Fellowship (3:1)	3000–8000	9	
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Applications due: 2/15

Contact number: 803-774-4224

Foreign languages: 1

Stand alone: PM, AM, K–12

Bachelor's by dept. 31

Master's by dept. 10

Doc. (01/04) ANT 2, RCA 2, GT 1, AM 2, DMC 1, NA 1.

Total: 9

3–5 ^c	Grade, teach	60
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STATISTICS

<http://www.stat.sc.edu>

J. D. Lynch, Chair

Faculty 13, Tenured 10, Tenured faculty who published 10

Graduate Students: part-time 28; full-time 32; full-time first year 13

Fellowship (3:3)	3500	9	
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Teaching Assistantship (21:10)	13000–13500	9	2044
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Research Assistantship (10:1)	13000–13500	9	2044
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Staff (1:0)	13000–13500	9	2044
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Applications due: 3/15

Contact number: 803-777-7800

Internship: yes

Foreign languages: 0

Bachelor's by dept. 3

Master's by dept. 6

Doc. (01/04) S 7. Total: 7

no

400

400

20	Grade, teach
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20	Research
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20	Support
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MATHEMATICS AND APPLIED MATHEMATICS

GRADUATE STUDIES AT THE UNIVERSITY OF SOUTH CAROLINA

DEPARTMENT OF MATHEMATICS



The Department offers programs of study leading to the M.S., M.A., and Ph.D. degrees in Mathematics. In addition there are two teaching-oriented nonthesis degrees—the Master of Mathematics and Master of Arts in Teaching.

Students may emphasize pure or applied mathematics. Areas of research in pure mathematics include algebra, analysis, differential geometry, logic, number theory and topology. Areas of research in applied mathematics include approximation theory, differential equations, discrete mathematics, mathematical modeling, numerical analysis, multiresolution analysis, and optimization. Students in applied mathematics have through the Industrial Mathematics Institute research opportunities in vertically integrated research teams, and summer employment and internships at leading national government and industrial research laboratories.

FINANCIAL AID

Of the approximately 45 students in the graduate program, close to 40 receive some form of financial assistance from the Department. The primary source of financial aid is the graduate teaching assistantship which typically requires three to five contact hours per week. The Department expects to award 12 such assistantships for Fall 2005 with nine-month stipends of \$16,000.

Summer support is available through the Department with stipends ranging from \$3000 to \$4000. In addition, a number of graduate students are supported on faculty research grants.

Outstanding applicants will receive consideration for fellowships which supplement Departmental support. These include a renewable Graduate School Fellowship and the renewable \$3,500 College of Science and Mathematics Fellowship. The Industrial Mathematics Institute in the Department offers fellowships and academic year supplements to outstanding applicants interested in applied mathematics.

Graduate assistants receive a reduction in tuition fees in the form of tuition fellowships.

FACILITIES

The Mathematics Library located in the Department has an extensive collection of reference texts and subscribes to more than 130 research journals. The Department's Computation Center supports the research computing needs of faculty and graduate students with a network of UNIX- and Windows-based machines. The Center houses 4 SUN servers, one SGI Onyx server, 3 Linux servers, one 16 node Beowulf Linux cluster for parallel computing, 40 workstations from vendors such as Silicon Graphics, and Sun, and 10 Power Mac's and 300 Pentium PC's.

For further information and application materials, contact

Director of Graduate Studies
Department of Mathematics
University of South Carolina
Columbia, SC 29208
email: graddir@math.sc.edu
WWW URL: <http://www.math.sc.edu/grad>

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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SOUTH DAKOTA

South Dakota State University, Brookings 57007

MATHEMATICS AND STATISTICS			Applications due: 5/1		Master's only: yes
http://www3.sdstate.edu/Academics/CollegeOfEngineering/			Contact number: 605-688-6196		Stand alone: PM, AM, K–12
MathematicsandStatistics/Index.cfm			Internship: yes		Bachelor's by dept. 12
Kurt Cogswell, Acting Head					Master's by dept. 5
Faculty 16, Tenured 11, Tenured faculty who published 4					
Graduate Students: part-time –; full-time 20; full-time first year 7					
Teaching Assistantship (17:7)	9000–9270	9	123/cr.	15 Teach, grade	72

University of South Dakota, Vermillion 57069

MATHEMATICAL SCIENCES			Applications due: 4/15		Master's only: yes
Dan Van Peurse, Chair			Contact number: 605-677-5262		Stand alone: PM, AM, K–12
Faculty 8, Tenured 3, Tenured faculty who published 2					Bachelor's by dept. 14
Graduate Students: part-time 4; full-time 6; full-time first year 2					Master's by dept. 2
Teaching Assistantship (5:2)	10500	9	3 ^c	Teach	no

TENNESSEE

East Tennessee State University, Johnson City 37614

MATHEMATICS			Applications due: 3/15		Master's only: yes
http://www.etsu.edu/math/			Contact number: 423-439-4349		Stand alone: PM, AM, AS, ST
Anant Godbole, Chair					Bachelor's by dept. 10
Faculty 24, Tenured 23, Tenured faculty who published 15					Master's by dept. 6
Graduate Students: part-time 2; full-time 16; full-time first year 4					
Teaching Assistantship (9:2)	7200–8200	9	20	Grade, teach	60
Other (4:1)	10250	12	20	Tutor	

Tennessee Technological University, Cookeville 38505

MATHEMATICS			Applications due: 2/2		Master's only: yes
http://www.math.tntech.edu			Contact number: 931-372-3441		Stand alone: PM, AM, ST
Rafal Ablamowicz, Chair					Bachelor's by dept. 4
Faculty 19, Tenured 14, Tenured faculty who published 7					Master's by dept. 3
Graduate Students: part-time 2; full-time 11; full-time first year 4					
Research Assistantship (7:2)	7500	9	Waived	12 Grade, teach	

University of Memphis, Memphis 38152

MATHEMATICAL SCIENCES			Applications due: 2/15		Master's by dept. 7
http://www.msci.memphis.edu			Contact number: 901-678-3024		Doc. (01/04) ANT 2, S 1,
James E. Jamison, Chair			Internship: yes		DMC 3. Total: 6
Faculty 24, Tenured 20, Tenured faculty who published 2			Foreign languages: 0		
Graduate Students: part-time 44; full-time 96; full-time first year –					
Fellowship (2:–)	6000–16000	9	5450*	20 Research	65
Teaching Assistantship (12:–)		9	5450*	Teach	65
Research Assistantship (3:–)		9	5450*	Research	65
Service (14:4)		9	5450*	Grade	

*Paid by university.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Tennessee, Knoxville 37996-1300					
MATHEMATICS			Applications due: 2/1		Stand alone: PM, AM, 2T, OT
http://www.math.utk.edu			Contact number: 865-974-2461		Bachelor's by dept. 20
Robert Daverman, Head			Internship: yes		Master's by dept. 10
Faculty 36, Tenured 29, Tenured faculty who published –			Foreign languages: 1		Doc. (01/04) ANT 1, RCA 1,
Graduate Students: part-time 15; full-time 60; full-time first year 17					AM 3, Other 3. Total: 8
Fellowship (8:1)	14057–17057	9+	600–1100	3–5 ^c Grade, teach	83
Teaching Assistantship (54:14)	6286–17057	9+	600–1100	2.5–5 ^c Grade, teach	0
Research Assistantship (4:4)	12573–14057	9+	600–1100	5 ^c Research	0
University Fellowship (1:1)	15000	9	0–1100		
Parr Scholarship (1:1)	25000	9	0–1100		

University of Tennessee, Knoxville 37996-0532

STATISTICS, OPERATIONS AND MANAGEMENT SCIENCE			Applications due: no date given		Stand alone: ST, OR
Ken Gilbert, Head			Contact number: 865-974-2556		Bachelor's by dept. 17
Faculty 17, Tenured 14, Tenured faculty who published 13			Internship: yes		Master's by dept. 21
Graduate Students: part-time –; full-time 8; full-time first year 7			Foreign languages: 0		Doc. (01/04) S 2. Total: 2
Teaching Assistantship (15:7)	13056	9	*	20 Grade, teach	48**
*In-state: \$401; out-of-state: \$526.					
**Students must also pay \$70 each semester to access the student health center. Included in fees.					

Vanderbilt University, Nashville 37240

MATHEMATICS			Applications due: 1/15		Stand alone: PM, AM, K–12,
http://www.math.vanderbilt.edu/			Contact number: 615-322-6672		2T
Michael Mihalik, Chair			Foreign languages: 1		Bachelor's by dept. 109
Faculty 32, Tenured 32, Tenured faculty who published 30					Master's by dept. 7
Graduate Students: part-time 0; full-time 31; full-time first year 6					Doc. (01/04) ANT 4, RCA 1,
Teaching Assistantship (30:6)	16500–21500	9		9–12 Teach	yes
Research Assistantship (1:0)	21000	11		Research	yes
					GT 2, AM 3, DMC 1. Total: 11



Graduate Studies in Pure and Applied Mathematics

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 - Fellowships available
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 - Free health insurance for graduate assistants
- Application deadline: February 1, 2005*

On-line applications available or contact us at
 Assistantship Committee, Math Dept., University of Tennessee, Knoxville, TN 37996-1300

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003-2004
TEXAS					
<u>Baylor University, Waco 76798</u>					
MATHEMATICS			Applications due: 2/15		Stand alone: PM, AM
http://www.baylor.edu/math			Contact number: 254-710-3561		Bachelor's by dept. 20
Robert Piziak, Chair			Foreign languages: 0		Master's by dept. 2
Faculty 18, Tenured 13, Tenured faculty who published 9					Doc. (01/04) AM 1. Total: 1
Graduate Students: part-time 0; full-time 20; full-time first year 5					
Teaching Assistantship (18:5)	13000-15000	9 1008	15 Grade, teach	82	
STATISTICAL SCIENCE			Applications due: 4/15		Master's by dept. 3
http://www.baylor.edu.statistics			Contact number: 254-710-1699		Doc. (01/04) S 10. Total: 10
Jack Tubbs, Chair			Internship: yes		
Faculty 8, Tenured 5, Tenured faculty who published 5			Foreign languages: 0		
Graduate Students: part-time --; full-time 22; full-time first year 7					
Teaching Assistantship (---)	14400	12 600	15	50	
Research Assistantship (---)	14400	12 600	15	no	

Rice University, Houston 77005

COMPUTATIONAL AND APPLIED MATHEMATICS			Applications due: no date given		Bachelor's by dept. 3
http://www.caam.rice.edu			Contact number: 713-348-4657		Master's by dept. 5
William Symes, Chair			Foreign languages: 0		Doc. (01/04) ANT 1, AM 9, LNO 4. Total: 14
Faculty 10, Tenured 7, Tenured faculty who published 7					
Graduate Students: part-time 0; full-time 38; full-time first year 9					
Fellowship (9:7)	18666-23666	12 500	10 Grade	147	
Teaching Assistantship (3:0)	7500-8500	4.5 500	20 Grade, teach	147	
Research Assistantship (20:0)	18666-23666	12 500	20 Research	147	
Self Support (5:0)		12 500			

BAYLOR UNIVERSITY

The Department of Mathematics offers graduate work leading to the M.S. and the Ph.D. in mathematics. Graduate faculty members are actively engaged in research in a variety of areas, including algebra, differential equations, mathematical physics, numerical analysis, representation theory, statistics, and topology. Individual attention and easy access to professors are hallmarks of our program.

Assistantships are available with stipends of \$13,000 to \$15,000 per academic year. For outstanding applicants, additional support of \$1,000 to \$5,000 is possible through Graduate School Enhancement Awards. Support for the summer session is usually available and graduate assistants typically receive tuition remission.

Baylor University is in Waco, Texas; located midway between Dallas and Austin. The Waco area has a population of about 200,000 and offers a variety of cultural and recreational opportunities.

For more information contact the Director of Graduate Studies Department of Mathematics,
P.O. Box 97328, Baylor University, Waco, TX 76798-7328, phone: 254-710-3561,
e-mail: Math_Grad@baylor.edu, or visit our web pages at www.baylor.edu/Math/

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
Rice University, Houston 77005 (continued)					
MATHEMATICS			Applications due: 2/1		Bachelor's by dept. 25
http://math.rice.edu			Contact number: 713-348-5714		Master's by dept. 1
Robin Forman, Chair			Foreign languages: 1		Doc. (01/04) RCA 2, GT 9.
Faculty 13, Tenured 13, Tenured faculty who published 12					Total: 11
Graduate Students: part-time –; full-time 29; full-time first year 5					
Fellowship (16:5)	15500	9	21740	10	40
Research Assistantship (13:–)	15500–18000	11	21740	10	40
Rice University, Houston 77251					
STATISTICS			Applications due: 2/1		Stand alone: ST
http://www.stat.rice.edu			Contact number: 713-348-6032		Bachelor's by dept. 1
Katherine B. Ensor, Chair			Internship: yes		Master's by dept. 3
Faculty 8, Tenured 7, Tenured faculty who published 7			Foreign languages: 0		Doc. (01/04) S 4. Total: 4
Graduate Students: part-time 1; full-time 43; full-time first year 7					
Fellowship (16:5)	15000	9	900	10	Grade, lab, research 85.44*
Teaching Assistantship (8:–)	15000	9	900	10	Lab, teach 85.44*
Research Assistantship (10:–)	15000	9	900	10	Research 85.44*
Training Grant (8:1)	15000	9	900	10	Teach, research
*Insurance is paid by Rice to \$1000.					
Southern Methodist University, Dallas 75275					
MATHEMATICS			Applications due: no date given		Bachelor's by dept. 35
http://www.smu.edu/math/			Contact number: 214-768-2506		Master's by dept. 5
Douglas Reinelt, Chair			Foreign languages: 0		Doc. (01/04) NA 2. Total: 2
Faculty 17, Tenured 13, Tenured faculty who published 10					
Graduate Students: part-time 3; full-time 18; full-time first year 7					
Fellowship (1:0)	15000	10			
Teaching Assistantship (16:7)	13000–15000	10	10	*	**
Research Assistantship (1:0)	15000	10	10	*	
*Grade, teach, research.					
**\$800 per year.					
STATISTICAL SCIENCE			Applications due: 4/1		Stand alone: ST
http://www.smu.edu/statistics			Contact number: 214–768-2441		Bachelor's by dept. 1
Richard Gunst, Chair			Internship: yes		Master's by dept. 4
Faculty 9, Tenured 6, Tenured faculty who published 6			Foreign languages: 0		Doc. (01/04) S 9. Total: 9
Graduate Students: part-time –; full-time 19; full-time first year 7					
Teaching Assistantship (–:–)	13500		10	Grade	75
Research Assistantship (–:–)	13500–15000		10	Research	75
Other (1:0)		10		Dissertation support	
Stephen F. Austin State University, Nacogdoches 75962					
MATHEMATICS AND STATISTICS			Applications due: 7/1		Master's only: yes
Jasper Adams, Chair			Contact number: 936-468-3805		Stand alone: PM, K–12, ST
Faculty 21, Tenured 17, Tenured faculty who published 5					Bachelor's by dept. 15
Graduate Students: part-time 4; full-time 12; full-time first year 6					Master's by dept. 15
Teaching Assistantship (8:3)	8500–11500		20	Teach	158
Research Assistantship (3:2)	8500–11500		20	Grade, research	158
Tarleton State University, Stephenville, Texas 76401					
MATHEMATICS, PHYSICS AND ENGINEERING			Applications due: 3/1		Master's only: yes
http://www.math.tarleton.edu			Contact number: 254-968-9168		Stand alone: PM, AM, K–12
Javier Garza, Chair					Bachelor's by dept. 22
Faculty 13, Tenured 7, Tenured faculty who published 3					Master's by dept. 2
Graduate Students: part-time 2; full-time 9; full-time first year 5					
Teaching Assistantship (7:4)	10000	9	2571	20	Teach 15
Lab Assistantship (2:2)	8000	9	2571	20	Assist in lab

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
Texas A&M University, College Station 77843-3368					
MATHEMATICS			Applications due: 2/1		Stand alone: PM, AM, K–12,
http://www.math.tamu.edu			Contact number: 979-862-4137		2T, OT
Albert Boggess, Chair			Internship: yes		Bachelor's by dept. 46
Faculty 70, Tenured 60, Tenured faculty who published 59			Foreign languages: 1		Master's by dept. 29
Graduate Students: part-time 65; full-time 102; full-time first year 27					Doc. (01/04) ANT 1, RCA 3,
Fellowship (21:5)	19200–22200	12 5403	0–5 Grade	15	GT 1, AM 6, DMC 2, NA 5,
Teaching Assistantship (61:15)	14400–16650	9 3995	10 Grade, teach	15	Other 5. Total: 23
Research Assistantship (3:–)	14400–16650	9 3995	10 Research	15	
Texas A&M University, College Station 77843-3143					
STATISTICS			Applications due: 1/31		Bachelor's by dept. 0
Michael Longnecker, Chair			Contact number: 979-845-3141		Master's by dept. 20
Faculty 25, Tenured 20, Tenured faculty who published 18			Internship: yes		Doc. (01/04) B 19. Total: 19
Graduate Students: part-time 4; full-time 70; full-time first year 18			Foreign languages: 0		
Fellowship (12:8)	2000–15000	9		no	
Teaching Assistantship (30:9)	3000–4500	9	20 *	288.35	
Research Assistantship (10:2)	3000–3667	9	20 **	yes	
*Grade, teach, assist in computer labs, hold office hours.					
**Assist with research.					
Texas A&M University, Kingsville 78363-8201					
MATHEMATICS			Applications due: 5/15		Master's only: yes
Margaret Land, Chair			Contact number: 361-593-2235		Stand alone: PM, AM, K–12,
Faculty 12, Tenured 12, Tenured faculty who published 7			Internship: yes		ST
Graduate Students: part-time 2; full-time 7; full-time first year 2					Bachelor's by dept. 5
Teaching Assistantship (7:2)	9750–10500	9 2000	20 Grade, tutor, teach	150	Master's by dept. 3
Texas State University, San Marcos 78666					
MATHEMATICS			Applications due: Open		Master's only: yes
Stanley G. Wayment, Chair			Contact number: 512-245-3555		Stand alone: PM, AM, K–12,
Faculty 28, Tenured 25, Tenured faculty who published 15					2T
Graduate Students: part-time 30; full-time 25; full-time first year 15					Bachelor's by dept. 36
Teaching Assistantship (21–23:7–9)	10782	9 2000	20 Teach	0	Master's by dept. 43
Scholarship (1:0)					
Texas Tech University, Lubbock 79409-1042					
MATHEMATICS AND STATISTICS (Ad on p. 86)			Applications due: no date given		Stand alone: PM, AM, 2T, ST
http://www.math.ttu.edu			Contact number: 806-742-2566		Bachelor's by dept. 36
Lawrence Schovanec, Chair			Foreign languages: 0		Master's by dept. 24
Faculty 47, Tenured 32, Tenured faculty who published 31					Doc. (01/04) RCA 3, S 5,
Graduate Students: part-time 15; full-time 80; full-time first year 17					AM 5, NA 1, Other 2. Total: 16
Teaching Assistantship (77:17)	15000–17500	9	20 Grade, teach	50	
Research Assistantship (3:2)	15000–17500	9		50	
University of Houston, Houston 77204-3008					
MATHEMATICS			Applications due: 3/15		Stand alone: PM, AM, OT
http://www.math.uh.edu			Contact number: 713-743-3517		Bachelor's by dept. 33
Jeff Morgan, Chair			Foreign languages: 0		Master's by dept. 25
Faculty 46, Tenured 40, Tenured faculty who published 35					Doc. (01/04) ANT 3, GT 2,
Graduate Students: part-time 25; full-time 73; full-time first year 26					P 1, AM 1, DMC 2, NA 1.
Fellowship (67:25)	12000–12375	9 500/sem.	20 Teach	61	Total: 10
Research Assistantship (13:1)	12000–12375	9 500/sem.	20 Research	61	

Texas A&M University Department of Mathematics

The Department of Mathematics offers graduate studies leading to the M.S. and Ph.D. degrees featuring a broad program providing specialization in nearly all areas of contemporary mathematics, both pure and applied. With 85 permanent members and at least a dozen visiting members on average, the faculty has a strong international reputation. The Department has approximately 100 graduate students in residence and boasts a high faculty/student ratio that promotes individual attention.

The Department has strong research groups across a broad spectrum of pure and applied mathematics including: algebra, algebraic-topology, approximation theory, combinatorics, complex analysis, continuum mechanics, control theory, discrete mathematics, functional analysis, geometry-topology, mathematical physics, mathematics education, numerical analysis, partial differential equations, probability and scientific computation. The Department has a considerable involvement in interdisciplinary activities with more than a dozen of its faculty having joint appointments in various departments within the colleges of Engineering, Education, Science and Medicine. The Department is host to the *Center for Approximation Theory*, *The Workshop in Linear Analysis* and regularly organizes conferences in combinatorics, functional analysis, geometry and PDE's. The Department also has strong ties to the *Institute for Scientific Computation* and the *Interdisciplinary Faculty in Material Science and Engineering*.

The Department offers several M.S. program options designed to provide students with the training to pursue professional careers in various disciplines requiring advanced mathematics. These programs are extremely flexible and encourage breadth of training both inside and outside of the Mathematics Department. Among these options are: the M.S. in Computational Mathematics, which is broadly defined to include discrete computational mathematics, numerical analysis, and scientific computation; the M.S. in Business/Financial/Industrial Mathematics, which emphasizes essential advanced mathematics for business, finance, and manufacturing; and the M.S. in Mathematics Teaching, which is aimed primarily at persons who wish to be high school or two-year college teachers.

Financial assistance is available in the form of departmental fellowships, and research and teaching assistantships. These are awarded on a competitive basis. At present, stipends begin at \$1,600.00 and can go up to \$1,800.00 per month. University fellowships are also available to qualified applicants. These have annual stipends of up to \$20,000.00 and no teaching duties. Persons wishing to be considered for Fall 2005 fellowships are urged to complete their applications by Feb. 1, 2005. Texas A&M University is an Equal Opportunity and Affirmative Action employer. Women and minority students are especially encouraged to apply.

For further information, contact:

Chair, Graduate Program Committee
Department of Mathematics
Texas A&M University
College Station, Texas 77843-3368
979-862-4137, gstudies@math.tamu.edu
URL:<http://www.math.tamu.edu>

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours per week	type of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of North Texas, Denton 76203						
MATHEMATICS						Applications due: no date given
http://www.math.unt.edu						Contact number: 940-565-2155
Neal Brand, Chair						Foreign languages: 1
Faculty 28, Tenured 22, Tenured faculty who published 20						Bachelor's by dept. 18
Graduate Students: part-time 5; full-time 60; full-time first year 14						Master's by dept. 10
Fellowship (52:4)	3490–3660	9	20	Teach	150	Doc. (01/04) RCA 8, L 1, P 1.
Teaching Assistantship (7:7)	10925	9	20	Grade, math lab.	no	Total: 10

University of Texas at Arlington, Arlington 76019

MATHEMATICS						Applications due: 4/1
http://www.uta.edu/math						Contact number: 817-272-3261
Danny Dyer, Chair						Foreign languages: 0
Faculty 22, Tenured 18, Tenured faculty who published 16						Stand alone: K–12
Graduate Students: part-time 37; full-time 34; full-time first year 10						Bachelor's by dept. 17
Fellowship (6:2)	1000	9			no	Master's by dept. 11
Teaching Assistantship (23:6)	18600–22800	12	5000	20	Grade, teach	Doc. (01/04) S 1, AM 2, DMC 1. Total: 4

University of Texas at Austin 78712

MATHEMATICS						Applications due: 2/1
http://www.utexas.edu						Contact number: 512-471-7711
Efraim P. Armendariz, Chair						Foreign languages: 1
Faculty 65, Tenured 47, Tenured faculty who published 39						Bachelor's by dept. 188
Graduate Students: part-time 0; full-time 148; full-time first year 45						Master's by dept. 18
Fellowship (4:1)	25000–30000	12			*	Doc. (01/04) ANT 5, GT 5, P 3, AM 4, Other 10. Total: 27
Teaching Assistantship (102:24)	14700–16700	9	20	Teach, grade	0	
Research Assistantship (13:4)	14700–16700	9	20	Research	0	
Igert/Fulbright/NSF (3:1)						

*Varies.

TEXAS TECH UNIVERSITY

Mathematics and Statistics

Degree Programs: The Department of Mathematics and Statistics offers programs of study leading to the masters and Ph.D. degrees. Ph.D. students may choose an emphasis in applied, pure mathematics, mathematics education, and statistics. A special M.S. degree with emphasis in computer science and a M.A. degree designed for precollege teachers are also offered.

Financial Assistance: Teaching and Research assistant stipends are available for the academic year (nine months) ranging from \$15,000 to \$17,500. Almost all students are provided three months of summer support. In addition, several graduate scholarships and fellowships are available to supplement graduate student stipends in amounts up to \$5,000 per year. All graduate teaching assistants pay tuition at the in-state resident rate.

Department: With 47 faculty members and more than 80 full-time graduate students, the department provides a friendly and collegial atmosphere. Faculty members are active in many pure and applied research areas including algebra, algebraic and differential geometry, cryptography, logic, mathematical biology, mathematics education, numerical analysis, kinetic theory, systems and control theory, complex analysis, ordinary and partial differential equations, solid mechanics, statistics, topology and probability.

Location: Texas Tech University is located in the West Texas city of Lubbock, a city of more than 200,000 that enjoys an excellent climate. Texas Tech University has a student population of more than 29,000 that includes a graduate school enrollment of 4,500 students.

Information: For application forms and information, please address inquiries to:

Director of Graduate Studies
Department of Mathematics and Statistics
Texas Tech University
Lubbock, TX 79409-1042

Phone: (806) 742-2566
Fax: (806) 742-1112
e-mail: graddir@math.ttu.edu
<http://www.math.ttu.edu>

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Texas at Dallas, Richardson 75083-0688					
MATHEMATICAL SCIENCES			Applications due: 5/1		Stand alone: PM, AM, AS, ST
http://www.utdallas.edu/dept/math			Contact number: 972-883-2161		Bachelor's by dept. 12
M. Ali Hooshyar, Chair					Master's by dept. 14
Faculty 12, Tenured 10, Tenured faculty who published 10					Doc. (01/04) S 3, AM 4.
Graduate Students: part-time 11; full-time 29; full-time first year 2					Total: 7
Teaching Assistantship (29:2)	1250–1300	9	20	Grade, teach	0

University of Texas-Pan American, Edinburg 78539

MATHEMATICS			Applications due: 6/15		Master's only: yes
http://www.math.panam.edu			Contact number: 956-381-3459		Stand alone: PM, AM, K–12, 2T
Lokenath Debnath, Chair					Bachelor's by dept. 19
Faculty 24, Tenured 11, Tenured faculty who published 7					Master's by dept. 0
Graduate Students: part-time 15; full-time 5; full-time first year 8					
Teaching Assistantship (8:8)	9000	9	20	no	
Research Assistantship (1:1)	9000	9	20	no	

UTAH**Brigham Young University, Provo 84602**

MATHEMATICS			Applications due: 3/1		Bachelor's by dept. 30
http://www.math.byu.edu			Contact number: 801-422-2062		Master's by dept. 9
Lynn E. Garner, Chair			Internship: yes		Doc. (01/04) DMC 1. Total: 1
Faculty 35, Tenured 23, Tenured faculty who published 19			Foreign languages: 1		
Graduate Students: part-time 6; full-time 27; full-time first year 10					
Teaching Assistantship (30:9)	17500–21200	9	20	Teach	yes
Research Assistantship (4:0)	17500–21200	9	20	Research	yes
STATISTICS			Applications due: 2/1		Master's only: yes
http://statweb.byu.edu			Contact number: 801-422-4505		Stand alone: ST
Howard B. Christensen, Chair			Internship: yes		Bachelor's by dept. 45
Faculty 14, Tenured 12, Tenured faculty who published 12					Master's by dept. 10
Graduate Students: part-time –; full-time 24; full-time first year 14					
Teaching Assistantship (13:–)	*	12	2500	20	38.50
Research Assistantship (10:–)	*	12	2500	20	38.50
*Hourly rate is \$13.					

University of Utah, Salt Lake City 84112-0090

MATHEMATICS			Applications due: 3/15		Stand alone: PM, AM, ST, OT
http://www.math.utah.edu			Contact number: 801-581-6851		Bachelor's by dept. 46
Graeme Milton, Chair			Foreign languages: 0		Master's by dept. 16
Faculty 42, Tenured 36, Tenured faculty who published 35					Doc. (01/04) ANT 1, RCA 2, GT 9, AM 8, NA 1, Other 3.
Graduate Students: part-time 25; full-time 63; full-time first year 17					Total: 24
Teaching Assistantship (47:10)	14200–15700	9	*	20	Teach, grade
Research Assistantship (16:7)	14200–27500	11	*	20	Research
*All tuition and fees are waived.					
**\$80–\$120.					

Utah State University, Logan 84322-3900

MATHEMATICS AND STATISTICS			Applications due: 1/31		Bachelor's by dept. 34
http://www.math.usu.edu			Contact number: 435-797-0244		Master's by dept. 9
Russell Thompson, Head			Internship: yes		Doc. (01/04) GT 1, S 1.
Faculty 25, Tenured 21, Tenured faculty who published 18			Foreign languages: 0		Total: 2
Graduate Students: part-time 3; full-time 31; full-time first year 13					
Fellowship (1:–)	18000	12			no
Teaching Assistantship (31:–)	13000–16000	9	20	Teach	no
Research Assistantship (1:–)	13000–16000	9	20	Research	no

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003-2004
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VERMONT

University of Vermont, Burlington 05401-1455**MATHEMATICS**

http://www.emba.uvm.edu/math/

James W. Burgmeier, Chair

Faculty 15, Tenured 14, Tenured faculty who published 13

Graduate Students: part-time 0; full-time 23; full-time first year 8

Teaching Assistantship (15:6) 13200-14200 9 996 15-20 Teach 56

Research Assistantship (7:2) 19000-25000 12 6681 10-15 Research 56

Teaching Assistantship (1:1)* 13200 9 996 15-20 Teach

*One mathematics graduate student will hold a teaching assistantship in the Physiology Department.

Applications due: 3/1

Contact number: 802-656-2940

Foreign languages: 0

Stand alone: PM, AM

Bachelor's by dept. 21

Master's by dept. 7

Doc. (01/04) AM 2. Total: 2

STATISTICS

http://www.emba.uvm.edu/math

Larry Haugh, Chair

Faculty 5, Tenured 5, Tenured faculty who published 5

Graduate Students: part-time 5; full-time 9; full-time first year 5

Teaching Assistantship (5:1) 8250-13200 9 996 10-20 Grade 58

Applications due: 3/1

Contact number: 802-656-2940

Internship: yes

Master's only: yes

Stand alone: ST, OT

Bachelor's by dept. 6

Master's by dept. 7

VIRGINIA

College of William and Mary, Williamsburg 23187-8795**MATHEMATICS**

http://www.math.wm.edu

Chi-Kwong Li, Chair

Faculty 20, Tenured 15, Tenured faculty who published 14

Graduate Students: part-time 2; full-time 13; full-time first year 8

Teaching Assistantship (9:5) 5250-10500 9 20 Staff labs yes

Applications due: 3/1

Contact number: 757-221-2038

Stand alone: OR

Bachelor's by dept. 25

Master's by dept. 5

Doc. (01/04) Other 1. Total: 1

George Mason University, Fairfax 22030**APPLIED AND ENGINEERING STATISTICS**

http://www.gmu.edu/departments/aes

A. Richard Bolstein, Chair

Faculty 8, Tenured 8, Tenured faculty who published 6

Graduate Students: part-time 55; full-time 15; full-time first year 10

Teaching Assistantship (7:4) 8700-10200 9 2600 20 Grade yes

Research Assistantship (2:0) 9500-12000 9 20 Research

Applications due: 4/15

Contact number: 703-993-3645

Internship: yes

Master's only: yes

Stand alone: ST

Master's by dept. 9

MATHEMATICAL SCIENCES

http://math.gmu.edu

Robert Sachs, Chair

Faculty 28, Tenured 21, Tenured faculty who published 16

Graduate Students: part-time 5; full-time 3; full-time first year 3

Teaching Assistantship (10:0) 2173-4667 9 10-20 no

Applications due: *

Contact number: 703-993-1462

Internship: yes

Master's only: yes

Stand alone: PM, AM

Bachelor's by dept. 14

Master's by dept. 3

*Accepting at all times.

Old Dominion University, Norfolk 23529-0077**MATHEMATICS AND STATISTICS**

http://www.math.odu.edu

J. Mark Dorrepaal, Chair

Faculty 22, Tenured 19, Tenured faculty who published 12

Graduate Students: part-time 3; full-time 17; full-time first year 1

Fellowship (3:1) 15000 9 10 no

Teaching Assistantship (6:0) 11000 9 10 Teach, grade no

Research Assistantship (7:0) 11000-18000 9 10 Research no

Applications due: 2/15

Contact number: 757-683-3908

Internship: yes

Foreign languages: 0

Stand alone: AM, ST

Bachelor's by dept. 13

Master's by dept. 4

Doc. (01/04) S 3, AM 4.

Total: 7

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEE paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Virginia, Charlottesville 22904					
MATHEMATICS			Applications due: 2/1		Stand alone: PM
http://www.math.virginia.edu			Contact number: 434-924-4937		Bachelor's by dept. 61
Ira Herbst, Chair			Foreign languages: 2		Master's by dept. 14
Faculty 29, Tenured 22, Tenured faculty who published 20					Doc. (01/04) ANT 7, RCA 3,
Graduate Students: part-time 0; full-time 45; full-time first year 11					GT 2, DMC 1, Other 3. Total: 16
Fellowship (19:9)	2000–15000	9	Research	yes	
Teaching Assistantship (40:8)	7250–14500	9	Grade, teach, research	yes	

STATISTICS			Applications due: 2/1		Stand alone: ST
http://www.stat.virginia.edu			Contact number: 434-924-3222		Bachelor's by dept. 0
Jeff Holt, Chair			Internship: yes		Master's by dept. 5
Faculty 7, Tenured 5, Tenured faculty who published 5					Doc. (01/04) S 7. Total: 7
Graduate Students: part-time 5; full-time 14; full-time first year 5					
Fellowship (6:4)	6000	9		30	
Teaching Assistantship (12:4)	14000–15000	9	10–12 Teach	30	

Virginia Commonwealth University, Richmond 23298

BIostatISTICS			Applications due: 2/15		Stand alone: OT
Walter H. Carter, Jr., Chair			Contact number: 804-828-9824		Master's by dept. 2
Faculty 5, Tenured 4, Tenured faculty who published 3			Internship: yes		Doc. (01/04) B 12. Total: 12
Graduate Students: part-time 21; full-time 11; full-time first year 3			Foreign languages: 0		
Fellowship (2:1)	19000	12	15 Research	91	
Teaching Assistantship (5:3)	19000–20000	12	15 Grade, teach	91	
Other (7:0)	20000–20680	12	20 Research		

Virginia Polytechnic Institute and State University, Blacksburg 24060

MATHEMATICS			Applications due: 2/15		Stand alone: PM, AM, K–12,
http://www.math.vt.edu			Contact number: 540-231-6537		AS, ST
John Rossi, Chair			Internship: yes		Bachelor's by dept. 81
Faculty 55, Tenured 42, Tenured faculty who published 41			Foreign languages: 0		Master's by dept. 19
Graduate Students: part-time –; full-time 64; full-time first year 18					Doc. (01/04) ANT 3, GT 1,
Teaching Assistantship (46:14)	11043–14355	9	20 Grade, teach	*	P 2, AM 2, DMC 1, NA 1,
Research Assistantship (5:1)	12150–14355	9	20 Research	*	LNO 3. Total: 13
*\$100–\$120.					

Virginia Polytechnic Institute and State University, Blacksburg 24061–0439

STATISTICS			Applications due: 1/31		Bachelor's by dept. 7
http://www.stat.vt.edu			Contact number: 540-231-5657		Master's by dept. 14
Geoff Vining, Chair			Internship: yes		Doc. (01/04) S 12. Total: 12
Faculty 13.25, Tenured 11.25, Tenured faculty who published 11.25			Foreign languages: 0		
Graduate Students: part-time 0; full-time 56; full-time first year 56					
Teaching Assistantship (32:9)	1350–1472	9	20 *	0	
Research Assistantship (3:0)	1350–1472	9	20 Research	0	
*Grade, teach, consult.					

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003-2004
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WASHINGTON

Eastern Washington University, Cheney 99004-2418

MATHEMATICS			Applications due: 5/1	Master's only:	yes
http://www.math.wvu.edu			Contact number: 509-359-6225	Stand alone: PM, 2T	
Christian K. Hansen, Chair			Internship: yes	Bachelor's by dept.	25
Faculty 17, Tenured 8, Tenured faculty who published 2				Master's by dept.	5
Graduate Students: part-time 2; full-time 16; full-time first year 8					
Graduate Instructorship (16:8)	12069-12855	9 400	20 Teach, grade		

University of Washington, Seattle 98195

MATHEMATICS			Applications due: 1/15	Bachelor's by dept.	178
http://www.math.washington.edu/Grads/			Contact number: 206-543-6830	Master's by dept.	7
Selim Tuncel, Chair			Internship: yes	Doc. (01/04) ANT 2, GT 9,	
Faculty 52, Tenured 48, Tenured faculty who published 44			Foreign languages: 2	P 2, DMC 5, NA 1, LNO 2,	
Graduate Students: part-time 0; full-time 83; full-time first year 21				Other 4. Total: 25	
Fellowship (25:4)	20128-26263	11 1000			
Teaching Assistantship (47:14)	15128-18000	11 1000	15-20 Teach		
Research Assistantship (9:1)	16496-19232	11 1000	15-20 Research		

Washington State University, Pullman 99164-3113

MATHEMATICS			Applications due: 2/1	Stand alone: PM, AM	
http://www.wsu.edu/math			Contact number: 509-335-6868	Bachelor's by dept.	17
Alan C. Genz, Chair			Internship: yes	Master's by dept.	11
Faculty 28, Tenured 26, Tenured faculty who published 26			Foreign languages: 2	Doc. (01/04) B 1, NA 2,	
Graduate Students: part-time --; full-time 30; full-time first year 13				Other 1. Total: 4	
Teaching Assistantship (16:13)	12987-13657	9 1232	Grade, teach	*	
Research Assistantship (1:-)	12987-13657	9 1232	Research	*	

*Paid by school.

Western Washington University, Bellingham 98225

MATHEMATICS (Ad on p. 92)			Applications due: 6/1	Master's only:	yes
http://www.wvu.edu			Contact number: 360-650-7212	Stand alone: PM, AM, ST	
Tjalling J. Ypma, Chair				Bachelor's by dept.	55
Faculty 21, Tenured 17, Tenured faculty who published 14				Master's by dept.	5
Graduate Students: part-time 0; full-time 20; full-time first year 6					
Teaching Assistantship (17:5)	10050	9	20 Teach	yes	
Tuition Waiver (1:1)	1000	9			

WEST VIRGINIA

Marshall University, Huntington 25755-2560

MATHEMATICS			Applications due: no date given	Master's only:	yes
http://www.marshall.edu/math/			Contact number: 304-696-6482	Bachelor's by dept.	6
Ralph Oberste-Vorth, Chair				Master's by dept.	2
Faculty 21, Tenured 14, Tenured faculty who published 4					
Graduate Students: part-time 8; full-time 7; full-time first year 2					
Teaching Assistantship (7:2)	6000	9 540	20	no	

West Virginia University, Morgantown 26506

MATHEMATICS			Applications due: 2/15	Stand alone: PM, AM, OT	
http://www.math.wvu.edu			Contact number: 304-293-2011	Bachelor's by dept.	9
Sherman D. Riemenschneider, Chair			Foreign languages: 1	Master's by dept.	6
Faculty 27, Tenured 23, Tenured faculty who published 19				Doc. (01/04) RCA 1, GT 1,	
Graduate Students: part-time 1; full-time 35; full-time first year 10				AM 1, DMC 6, NA 1. Total: 10	
Teaching Assistantship (25:8)	8307-12566	9 600	20 Teach, grade		
Research Assistantship (6:1)	12000-15000	12 600	20 Research		

MASTER'S DEGREES IN MATHEMATICS WITH AN EMPLOYMENT TRACK RECORD

EASTERN WASHINGTON UNIVERSITY

Department of Mathematics

<http://www.math.ewu.edu>

Finance. Teaching assistantships with full tuition waivers are available competitively.

Education. Our two-year Master's program offers a *strong* background in classical mathematics. Recent theses focused on abstract algebra, complex analysis in physics, connections on manifolds, NURBS, statistics, and solving ODEs with wavelets (pictured below). Theory and theses have successfully prepared students to obtain and hold positions in applications, research, and teaching.

Employment. Holders of our Master's degrees have found full-time paid employment in

- academia,
- government, and
- industry.

We receive more employer inquiries than we have students.

Internships. Competitive opportunities exist for summer internships in private industry and government labs.

Success. "Everybody in our graduating class got their dream job!"

— Jacqueline Coomes, Mathematics Specialist, EWU.

From employers who each hired five of our graduates for full time tenure-track positions:

"We have been extremely pleased with these mathematics instructors and they have been well received by our student body."

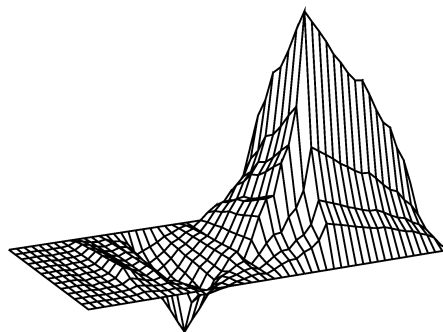
— Bob Murray, Chair, Division of Natural Sciences, North Idaho College.

"Over the last 8 years, the Mathematics Department at Spokane Falls Community College has hired 5 EWU graduates as full-time instructors and many adjunct faculty members. We consistently have been satisfied with the quality of their instruction as well as their mathematical competence."

— Penny Coffman, Chair, Mathematics Department, Spokane Falls Community College.

Eastern Washington University has its main campus 17 miles away from Spokane, within a three-hour drive from the mountain ranges of Montana's Cabinet Mountains (East), Oregon's Wallawas (South), Washington's Cascades (West), pictured above, and Canada's Rockies (North).

For further information, applicants are welcome to send a cover letter and an unofficial copy of their transcripts to Dr. Yves Nievergelt, Director of the Mathematics Graduate Program, Department of Mathematics, Eastern Washington University, 216 Kingston Hall, Cheney, Washington 99004-2418. Telephone: (509) 359-4259 or (509) 359-6225. Electronic mail: ynievergelt@ewu.edu. Qualified members of underrepresented groups are especially encouraged to apply.



TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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WISCONSIN

Marquette University, Milwaukee 53201-1881

MATHEMATICS, STATISTICS, AND COMPUTER SCIENCE

<http://www.msccs.mu.edu>

Peter R. Jones, Chair

Faculty 22, Tenured 16, Tenured faculty who published 12

Graduate Students: part-time 100; full-time 75; full-time first year 25

Teaching Assistantship (18:10)	11490–12050	9
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Research Assistantship (4:0)	11490	9
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Applications due: 1/15

Contact number: 414-288-7573

Internship: yes

Foreign languages: *

Stand alone: CS, OT

Bachelor's by dept. 29

Master's by dept. 51

Doc. (01/04) ANT 1. Total: 1

20	Grade, teach	120
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20	Research, support	120
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*Normally zero to two, determined by student's committee.



WESTERN
WASHINGTON UNIVERSITY

Master of Science: Mathematics

A challenging program with small classes, excellent faculty and successful graduates

• **Program:** 48 credits with an analytic core and applied flavor, leading to employment in research, industry, business or education, especially Community College teaching, or preparation for doctoral studies.

• **Environment:** Near mountains, ocean, Seattle and Vancouver, BC. Excellent recreational opportunities. WWU has about 11,500 students and 500 faculty.

• **Financial Aid:** Teaching Assistantships (TA's) with about 90% tuition waiver for qualified students. TA's are trained and teach one class per quarter with instructional support.

• **Inquiries:** Math Department *or* Graduate School, WWU, Bellingham WA 98225. Tel.: (360) 650-3785
E-mail: edoh@cc.wvu.edu
Web: www.ac.wvu.edu/~mathweb



MARQUETTE
UNIVERSITY

Be The Difference.

Department of Mathematics, Statistics and Computer Science

Programs: Ph.D. degree in mathematics with specializations in algebra or biomathematics. M.S. degree specializations in bioinformatics, computer science, computing or mathematics.

Financial Aid: Merit-based teaching and research assistantships include both full academic year tuition scholarship as well as a stipend of at least \$11,490. For academic year 2005–2006, the Office of Graduate Admissions must receive complete application packets before January 15, 2005 for full consideration. Early packet submission is *strongly* encouraged.

The University: Founded in 1881, Marquette University has about 11,000 students. Located in historic downtown Milwaukee, it is near Lake Michigan, the city's theater district, river walk, performing arts center, summer festivals grounds, museums, restaurants, shopping, *etc.*

More Information:

Web: www.msccs.mu.edu

E-mail: office@msccs.mu.edu

Phone: (414) 288-7573

Mail: Office of Graduate Admissions

Marquette University

PO Box 1881

Milwaukee, WI U.S.A. 53201-1881

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
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Medical College of Wisconsin, Milwaukee 53226**BIOSTATISTICS**

http://biostat.mcw.edu

John Klein, Chair

Faculty 8, Tenured 1, Tenured faculty who published 1

Graduate Students: part-time 1; full-time 9; full-time first year 2

Fellowship (3:3)

20837

12

Research Assistantship (5:0)

21879

12

Applications due: 3/15

Contact number: 414-456-8280

Internship: yes

Stand alone: ST

Doc. (01/04) B 4. Total: 4

yes

yes

20

Research

University of Wisconsin-Madison 53706-1388**MATHEMATICS**

http://www.math.wisc.edu

David Griffeth, Chair

Faculty 50, Tenured 47, Tenured faculty who published –

Graduate Students: part-time –; full-time 128; full-time first year 25

Fellowship (13:5)

17775–30000

12

Teaching Assistantship (128:23)

11713–14664

9

632

Research Assistantship (4:–)

14526

9

632

Applications due: 12/31

Contact number: 608-263-8884

Foreign languages: 0

Stand alone: PM, OT

Bachelor's by dept. 79

Master's by dept. 20

Doc. (01/04) ANT 14, RCA 3,

GT 3, L 4, P 2, AM 3, DMC 1,

NA 2, Other 1. Total: 33

9

0*

9

20

Research

20

Teach

20

Research

*Based on 2003 collective bargaining agreement. Successor contract may result in change.

University of Wisconsin-Milwaukee 53201-0413**MATHEMATICAL SCIENCES (Ad on p. 94)**

http://www.uwm.edu/Dept/Math

K. M. Brucks, Chair

Faculty 36, Tenured 31, Tenured faculty who published 27

Graduate Students: part-time 8; full-time 70; full-time first year 24

Fellowship (7:1)

18000–21500

12

Teaching Assistantship (20:10)

10000–14000

9

500

Research Assistantship (2:0)

23000–24000

9

7000

Teaching Fellowship (36:11)

12000–19000

9

500

Applications due: *

Contact number: 414-229-5110

Internship: yes

Foreign languages: 1

Stand alone: PM, AM, ST, OT

Bachelor's by dept. 27

Master's by dept. 13

Doc. (01/04) ANT 1, GT 1,

P 1, AM 2, NA 1. Total: 6

20

20

20

3^c

Teach

6^c

Teach

12

Research

6^c

Teach

*Fellowship: 1/15, assistantship: 3/5.

WYOMING**University of Wyoming, Laramie 82071****MATHEMATICS**

http://math.uwyo.edu

S. S. Sriharan, Chair

Faculty 23, Tenured 17, Tenured faculty who published 6

Graduate Students: part-time 3; full-time 21; full-time first year 2

Teaching Assistantship (21:2)

10052–14003

9

Applications due: 3/1

Contact number: 307-766-6577

Foreign languages: 1

Bachelor's by dept. 17

Master's by dept. 0

Doc. (01/04) ANT 1, AM 2.

Total: 3

18

Teach

0

STATISTICS

http://www.uwyo.edu/stats

Stephen Bieber, Head

Faculty 7, Tenured 5, Tenured faculty who published 2

Graduate Students: part-time 5; full-time 11; full-time first year 3

Teaching Assistantship (11:3)

10062–14004

9

*

Applications due: 3/1

Contact number: 307-766-4229

Foreign languages: 0

Stand alone: ST

Bachelor's by dept. 0

Master's by dept. 6

Doc. (01/04) S 6. Total: 6

18

Grade, teach

0

*Only international fees.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
CANADA					
Concordia University, Montréal, Québec H3G 1M8					
MATHEMATICS AND STATISTICS http://www.mathstat.concordia.ca H. Kisilevsky, Chair Faculty 33, Tenured 27, Tenured faculty who published 2 Graduate Students: part-time 17; full-time 70; full-time first year 26 Fellowship (1:–) 15000 12 *** Teaching Assistantship (30:12) 11000–19000 12 *** Research Assistantship (30:12)** 11000–19000 12 *** Graduate Awards (8:3) 10000–17300 12 ***	Applications due: 12/15* Contact number: 514-848-2424, ext. 3232 Foreign languages: 1		Stand alone: OT Bachelor's by dept. 25 Master's by dept. 9 Doc. (01/04) ANT 1, S 3, Other 4. Total: 8		
	Grade, tutor, teach	†			
	Grade, tutor, teach	†			
	Grade, tutor, teach	†			
	Grade, tutor, teach				
*Teaching assistantship: 2/1. **Usually given in combination with teaching assistantship. ***Master's: \$2107–\$8416; Ph.D.: \$2107–\$7494. †International: \$480/yr. Canadian: \$245.97/yr. Paid once a year in September.					

McGill University, Montréal, Québec H3A 2K6

MATHEMATICS AND STATISTICS http://www.math.mcgill.ca K. N. Gowrisankaran, Chair Faculty 41, Tenured 39, Tenured faculty who published 28 Graduate Students: part-time –; full-time 85; full-time first year 25 Fellowship (19:–) 12 Teaching Assistantship (49:–) 3500–7000 9 Research Assistantship (57:–) 12	Applications due: 3/1 Contact number: 514-398-3800 Internship: yes Foreign languages: 1	Stand alone: PM, AM, ST, OR Bachelor's by dept. 43 Master's by dept. 9 Doc. (01/04) ANT 2, RCA 2, S 4, AM 1. Total: 9
	yes	
	yes	
	yes	

Graduate Studies in Mathematical Sciences

The University of Wisconsin-Milwaukee serves approximately 22,000 undergraduate and graduate students. The Milwaukee metropolitan area offers much to enjoy beyond the UWM campus, making it a particularly pleasant place to live and go to school.

MATHEMATICS PROGRAM. The Department of Mathematical Sciences offers programs of study leading to the M.S. and Ph.D. degrees in mathematics with specialties in applied mathematics, numerical analysis, pure mathematics, mathematical statistics, biostatistics (with the Medical College of Wisconsin), and atmospheric science. In addition to well-balanced programs of coursework, students are encouraged to participate in numerous seminars, colloquia and social functions. The faculty takes special pleasure in having graduate students involved. All of our graduates have been successful in gaining professional employment.

INDUSTRIAL MATHEMATICS PROGRAM. The department offers M.S. and Ph.D. options in industrial mathematics. These programs are practically oriented, through courses within and outside the department, as well as real world experience with industrial problems. An industrial mathematics student must submit a thesis solving a mathematical problem with an industrial source.

FINANCIAL AID. Nearly all of our graduate students are supported through teaching assistantships, research assistantships and UWM and GAANN fellowships. Teaching assistantships and fellowships provide quality fringe benefits including health insurance. Full fellowships provide a \$15,000 to \$25,000 stipend, with some or all tuition remitted. Teaching assistantships carry stipends of \$10,000 to \$14,000 with all tuition remitted; Chancellor's Fellowships up to \$9,000 can be added to the teaching assistantship salary. Most of our teaching assistants are given the opportunity to teach their own sections.

Please visit www.uwm.edu/Dept/Math, send e-mail to mlteply@uwm.edu, or write to: Prof. M. Teply, Graduate Coordinator, Dept. of Mathematical Sciences, UWM, PO Box 413, Milwaukee, WI 53201-0413. Phone: (414) 229-5110; fax: (414) 229-4907.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
McMaster University, Hamilton Ontario L8S 4K1					
MATHEMATICS AND STATISTICS			Applications due: 2/1		Stand alone: PM, AM, ST
http://www.math.mcmaster.ca			Contact number: 905-525-9140		Bachelor's by dept. 30
Matthew Valeriote, Chair			Foreign languages: 0		Master's by dept. 21
Faculty 39, Tenured 30, Tenured faculty who published 26					Doc. (01/04) ANT 1, GT 1,
Graduate Students: part-time 5; full-time 65; full-time first year 17					P 1, S 1, AM 1. Total: 5
Fellowship (65:14)	9600–22000	12	5000	50	
Teaching Assistantship (64:17)	4368–8736	12	5000	10 *	50
*Grade, tutor, office hours.					

Memorial University of Newfoundland, St. John's, Newfoundland A1C 5S7

MATHEMATICS AND STATISTICS			Applications due: 1/31		Bachelor's by dept. 28
http://www.math.mun.ca			Contact number: 709-737-8784		Master's by dept. 5
Bruce Watson, Chair			Foreign languages: 0		Doc. (01/04) ANT 1, S 2,
Faculty 34, Tenured 30, Tenured faculty who published 21					AM 1. Total: 4
Graduate Students: part-time 3; full-time 30; full-time first year 11					
Fellowship (23:8)	6000–7000	12	*		63**
Teaching Assistantship (30:11)	3250	12	*	5 Grade	63**
Research Assistantship (26:11)	3000–7000	12	*	Research	63**
*For MSc. students, the tuition for 12 months is: \$2199 (Canadian students); \$2859 (international students). For Ph.D. students, the tuition for 12 months is: \$2733 (Canadian students); \$3549 (international students).					
**Health insurance rates are for international students.					

Queen's University, Kingston, Ontario K7L 3N6

MATHEMATICS AND STATISTICS			Applications due: 3/1		Bachelor's by dept. 53
http://www.mast.queensu.ca			Contact number: 613-533-2405		Master's by dept. 14
P. D. Taylor, Head			Foreign languages: *		Doc. (01/04) ANT 7, RCA 1,
Faculty 30, Tenured 24, Tenured faculty who published 24					GT 1, S 2, B 1, AM 4. Total: 16
Graduate Students: part-time 4; full-time 50; full-time first year 23					
Fellowship **					
Teaching Assistantship (45:–)	5070	8			***
Research Assistantship **					
Graduate Assistantship (45:–)	12930	12	6000	Grade, teach	
*Number of languages depends on area of specialization.					
**Included in Graduate Assistantship.					
***All non-Canadians \$51.					

Simon Fraser University, Burnaby, British Columbia V5A 1S6

MATHEMATICS			Applications due: 2/15		Stand alone: PM, AM
http://www.math.sfu.ca			Contact number: 604-291-4544		Bachelor's by dept. 50
N. R. Reilly, Chair			Foreign languages: 0		Master's by dept. 1
Faculty 21, Tenured 12, Tenured faculty who published 9					Doc. (01/04) ANT 3, DMC 4,
Graduate Students: part-time –; full-time 49; full-time first year –					NA 2, LNO 2. Total: 11
Fellowship (13:4)	6000	4			
Teaching Assistantship (100:100)	3500–6000	4	*		yes
Special Graduate					
Entrance Scholarship (3:3)	3500–6500	4	*		
CD Nelson Memorial					
Graduate Scholarship (1:1)	18000	12	*		
NSERC Postgraduate					
Scholarship (–:–)	17300–19100	12			
NSERC Postdoctoral					
Fellowship (–:–)	35000	12			
*Fee unit is approximately \$1,420 per semester.					

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
Université Laval, Québec G1K 7P4					
MATHEMATICS AND STATISTICS http://www.mat.ulaval.ca Jean-Pierre Carmichael, Chair Faculty 24, Tenured 19, Tenured faculty who published 19 Graduate Students: part-time 4; full-time 49; full-time first year 20			Applications due: 9/1 Contact number: 418-656-2971 Internship: yes Foreign languages: 0***		Stand alone: PM, AM, AS, ST Bachelor's by dept. 16 Master's by dept. 8 Doc. (01/04) RCA 2, NA 1. Total: 3
Teaching Assistantship (40:10)	900–7700	9 *	6	Grade, teach	77**
Research Assistantship (30:5)	1000–10500	12 *		Research	77**
*Domestic: \$2494.80; nondomestic: \$12214.80. **Nondomestic only. ***Language of instruction is French.					
University of Alberta, Edmonton, Alberta T6G 2B1					
MATHEMATICAL AND STATISTICAL SCIENCES http://www.math.ualberta.ca Tony Lau, Chair Faculty 78, Tenured 69, Tenured faculty who published – Graduate Students: part-time 1; full-time 128; full-time first year 43			Applications due: 7/30 Contact number: 780-492-5799 Internship: yes Foreign languages: 0		Stand alone: PM, AM, AS, ST, OR, OT Master's by dept. 27 Doc. (01/04) ANT 3, RCA 7, S 4, AM 7, NA 2, Other 1. Total: 24
Teaching Assistantship (–:–)	13042–15486	8 *	12	**	
PDF (22:–)	25000	9	35	**	
*Canadian: \$3921; international: \$7114. **Grade, teach, research.					
University of British Columbia, Vancouver, British Columbia V6T 1Z2					
MATHEMATICS http://www.math.ubc.ca Brian Marcus, Head Faculty 63, Tenured 48, Tenured faculty who published 45 Graduate Students: part-time 0; full-time 90; full-time first year 27			Applications due: 4/30 Contact number: 604-822-3079 Foreign languages: 0		Stand alone: PM, AM Bachelor's by dept. 102 Master's by dept. 8 Doc. (01/04) GT 2, AM 7. Total: 9
Fellowship (15:3)	16000–19100	12			
Teaching Assistantship (90:27)	4966–10323	12	12	Grade, teach	16
Research Assistantship (90:27)	8000–16500	12			
STATISTICS http://www.stat.ubc.ca W. J. Welch, Chair Faculty 10, Tenured 8, Tenured faculty who published 8 Graduate Students: part-time 0; full-time 30; full-time first year 5			Applications due: 12/31 Contact number: 604-822-4821 Internship: yes Foreign languages: 0		Bachelor's by dept. 15 Master's by dept. 5 Doc. (01/04) S 4. Total: 4
Fellowship (4:1)	17300–19100	12			
Teaching Assistantship (22:5)	9933–10323	8	12	Grade, teach	
Research Assistantship (–:–)	14800–18200			Research	
University of Lethbridge, Lethbridge, Alberta T1K 3M4					
MATHEMATICS AND COMPUTER SCIENCE http://www.cs.uleth.ca Wolf Holzmann, Chair Faculty 19, Tenured 11, Tenured faculty who published 9 Graduate Students: part-time 1; full-time 4; full-time first year 5			Applications due: 5/1 Contact number: 403-329-2470		Master's only: yes Stand alone: PM, CS Bachelor's by dept. 35 Master's by dept. 1
Teaching Assistantship (10:10)	7000	12	*	Grade, labs	
*120 hours per year.					
University of Manitoba, Winnipeg, Manitoba R3T 2N2					
MATHEMATICS http://www.umanitoba.ca/science/mathematics G. R. Krause, Chair Faculty 30.5, Tenured 28.5, Tenured faculty who published 20 Graduate Students: part-time –; full-time 22; full-time first year 5			Applications due: 1/15 Contact number: 204-474-8703 Foreign languages: 1		Stand alone: PM, AM Bachelor's by dept. 21 Master's by dept. 1 Doc. (01/04) AM 1. Total: 1
Fellowship (8:0)	16000	12	12	Grade, teach	yes

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Ottawa, Ottawa, Ontario K1N 6N5					
MATHEMATICS AND STATISTICS			Applications due: no date given		Bachelor's by dept. 27
M. Alvo, Chair			Contact number: 613-562-5864		Master's by dept. 2
Faculty 30, Tenured 25, Tenured faculty who published 3					Doc. (01/04) ANT 4, RCA 1,
Graduate Students: part-time 5; full-time 41; full-time first year 20					S 4, AM 3. Total: 12
Fellowship (17:10)	1500–4000	12		no	
Teaching Assistantship (44:10)	4061–10000	12	10	no	
Research Assistantship (25:8)	2667–11000	12		no	

University of Saskatchewan, Saskatoon, Saskatchewan S7N 5E6

MATHEMATICS AND STATISTICS			Applications due: 2/1		Bachelor's by dept. 12
http://math.usask.ca			Contact number: 306-966-6081		Master's by dept. 0
Doug MacLean, Acting Head					Doc. (01/04) GT 2, S 1.
Faculty 23, Tenured 23, Tenured faculty who published 17					Total: 3
Graduate Students: part-time –; full-time 18; full-time first year –					
Fellowship (4:0)	15000	12	5774	12	Grade, teach *
University Scholarship (5:0)	18000	12	5774	4	Grade, teach

*Medical services are free to all students. Health, vision, and dental are covered under student fees.

University of Sherbrooke, Sherbrooke, Québec J1K 2R1

MATHEMATICS			Applications due: *		Bachelor's by dept. 18
http://www.usherbrooke.ca/mathematiques			Contact number: 1-800-267-8337,		Master's by dept. 3
Pierre-Yves Leduc, Head			ext. 8091		Doc. (01/04) ANT 2, RCA 2,
Faculty 12, Tenured 12, Tenured faculty who published 10			Foreign languages: 0		P 2, S 2, AM 4, LNO 1.
Graduate Students: part-time 5; full-time 20; full-time first year 7					Total: 13
Fellowship (5:3)	16000–32000	12	3000	40	Research 30
Teaching Assistantship (22:10)	1500–6000	12	3000	10	Grade, teach 30

*Throughout the year.

University of Toronto, Toronto, Ontario M5S 3G3

MATHEMATICS			Applications due: 2/1		Stand alone: PM, AM
http://www.math.toronto.edu/graduate			Contact number: 416-978-7894		Bachelor's by dept. 95
J. Quastel, Chair					Master's by dept. 25
Faculty 53, Tenured 49, Tenured faculty who published 46					Doc. (01/04) ANT 2, RCA 6,
Graduate Students: part-time 2; full-time 90; full-time first year 40					GT 10, L 1, AM 3, LNO 1.
Fellowship (40:20)	16500–21000	12	*		Total: 23
Teaching Assistantship (90:40)	4500–6500	12	*	8	Grade, tutor 50
Research Assistantship (30:15)	16500–21000	12	*		50
Other (20:10)	15000–19100	12	*		

*Domestic: \$6500; international: \$11000.

STATISTICS			Applications due: 1/5		Stand alone: AS, ST
http://www.utstat.toronto.ca			Contact number: 416-978-5136		Bachelor's by dept. 170
Keith Knight, Chair			Internship: yes		Master's by dept. 14
Faculty 14, Tenured 12, Tenured faculty who published 10			Foreign languages: 0		Doc. (01/04) B 1. Total: 1
Graduate Students: part-time 21; full-time 42; full-time first year 17					
Fellowship (36:17)	1250–21600	12	*		***
Teaching Assistantship (37:17)	3400–11000	8	*	10	**
Research Assistantship (15:–)	2000–10000	12	*		***
Other (10:3)	10000–21000	12	*		

*Domestic: \$6176; international: \$10781.

**Grade, teach, research.

***Health insurance is paid for international students as part of their fees, so they actually pay 0. Also, all full-time graduate students receive some limited extended health benefits through their students' union.

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Victoria, Victoria, British Columbia V8W 3P4					
MATHEMATICS AND STATISTICS http://www.math.uvic.ca Gary MacGillivray, Chair Faculty 26, Tenured 24, Tenured faculty who published 21 Graduate Students: part-time 4; full-time 32; full-time first year 8 Fellowship (9:4) 6750–17500 12 Research Assistantship (15:4) 6000–12000			Applications due: no date given Contact number: 250-721-7437 Internship: yes Foreign languages: 1		Bachelor's by dept. 30 Master's by dept. 4 Doc. (01/04) AM 2, DMC 1. Total: 3
University of Waterloo, Waterloo, Ontario N2L 3G1					
APPLIED MATHEMATICS John Wainwright, Chair Faculty 20, Tenured 13, Tenured faculty who published 11 Graduate Students: part-time 1; full-time 38; full-time first year 14 Teaching Assistantship (80:13) 2885–11540 12 5941 Research Assistantship (57:13) 8016–12555 12 5941 Other (–:–) 19000–27700 12 5941			Applications due: 3/1 Contact number: 519-888-4567, ext. 3623 Foreign languages: 0 5–10 Grade 40 Research 40 Grade, research		Stand alone: AM Bachelor's by dept. 37 Master's by dept. 2 Doc. (01/04) AM 9. Total: 9
University of Waterloo, Waterloo, Ontario N2L 3G8					
COMBINATORICS AND OPTIMIZATION http://www.math.uwaterloo.ca/CandO_Dept/ P. J. Schellenberg, Chair Faculty 25, Tenured 17, Tenured faculty who published 16 Graduate Students: part-time 1; full-time 60; full-time first year 31 Fellowship (45:13) 1000–35000 12 Teaching Assistantship (46:16) 2842–11368 12 Research Assistantship (40:9) Varies 12			Applications due: no deadline Contact number: 519-888-4567, ext. 3482 Foreign languages: 0 5–10 Grade * 5–10 Research *		Bachelor's by dept. 61 Master's by dept. 19 Doc. (01/04) DMC 6, LNO 6. Total: 12
University of Waterloo, Waterloo, Ontario N2L 3G1					
PURE MATHEMATICS Frank Zorzitto, Chair Faculty 20, Tenured 12, Tenured faculty who published – Graduate Students: part-time 3; full-time 29; full-time first year 10 Teaching Assistantship (25:10) 11500–17300 12 * Research Assistantship (10:10) 1000–2000 12 *			Applications due: no date given Contact number: 519-888-4567, ext. 3484 Foreign languages: 1 7.5 Grade, office hours 41 5 Research 41		Bachelor's by dept. 21 Master's by dept. 8 Doc. (01/04) Other 2. Total: 2
University of Waterloo, Waterloo, Ontario N2L 3G1					
STATISTICS AND ACTUARIAL SCIENCE http://www.stats.uwaterloo.ca/Stats_Dept/ J. F. Lawless, Chair Faculty 33, Tenured 26, Tenured faculty who published 25 Graduate Students: part-time 20; full-time 100; full-time first year 45 Fellowship (20:8) 21000–27000 15000 Teaching Assistantship (100:40) 21000–27000 15000 Research Assistantship (100:40) 21000–27000 15000			Applications due: 3/1 Contact number: 519-888-4567, ext. 6532 Internship: yes Foreign languages: 0 10 Grade 45 10 Research 45		Stand alone: AS, ST Bachelor's by dept. 110 Master's by dept. 20 Doc. (01/04) S 4, B 5, Other 1. Total: 10
University of Western Ontario, London, Ontario N6A 5B7					
APPLIED MATHEMATICS http://www.apmaths.uwo.ca Robert M. Corless, Chair Faculty 16, Tenured 10, Tenured faculty who published 10 Graduate Students: part-time 0; full-time 39; full-time first year 9 Teaching Assistantship (36:7) 9464 9 5992 Research Assistantship (33:7) 6000 12 5992 Other (12:2) 15000–35000 12 5992			Applications due: no date given Contact number: 519-661-3649 Foreign languages: 0 10 Grade, tutor 53* 40 Research 53* 40 Research		Bachelor's by dept. 19 Master's by dept. 7 Doc. (01/04) AM 14. Total: 14

*All students are covered through the student health plan. There is no additional coverage associated with these positions.

*Canadian: \$1980; international: \$4978.

*For international students. Canadian and landed status students are covered by OHIP (Ontario Health Insurance Plan).

TYPE OF ASSISTANCE (Total no. : no. anticipated)	STIPEND paid to student dollars months	FEES paid by student (\$)	SERVICE REQUIRED hours type per week of service	HEALTH INSURANCE per month	DEGREES AWARDED Academic year 2003–2004
University of Western Ontario, London, Ontario N6A 5B7 (continued)					
MATHEMATICS http://www.math.uwo.ca R. M. Kane, Chair Faculty 20, Tenured 16, Tenured faculty who published 14 Graduate Students: part-time –; full-time 12; full-time first year 4				Applications due: 3/1 Contact number: 519-661-3641 Foreign languages: 1	Stand alone: PM Bachelor's by dept. 5 Master's by dept. 1 Doc. (01/04) ANT 2, RCA 1, GT 2. Total: 5
Teaching Assistantship (12:–)	9400	12 6000	7	Grade, tutor, proctor *	
Research Assistantship (10:–)	3000–6000	12		Research *	
External Scholarships (2:–)	17300–35000	12 Varies			
*Permanent residents and citizens are covered by OHIP (Ontario Health Insurance Plan) for all medical services. International students pay \$672 per year for the same coverage.					
STATISTICAL AND ACTUARIAL SCIENCES http://www.stats.uwo.ca Bruce Jones, Chair Faculty 13, Tenured 11, Tenured faculty who published 11 Graduate Students: part-time 1; full-time 26; full-time first year 9				Applications due: 1/31 Internship: yes Foreign languages: 0	Stand alone: AS, ST Bachelor's by dept. 30 Master's by dept. 12 Doc. (01/04) S 5. Total: 5
Teaching Assistantship (21:9)	9464	8	10	Grade	0*
Research Assistantship (21:9)	6600–7600	12	Variable		0*
*Public health insurance.					
University of Windsor, Windsor, Ontario N9B 3P4					
MATHEMATICS AND STATISTICS http://www.uwindsor.ca/math Ejaz Ahmed, Chair Faculty 16, Tenured 13, Tenured faculty who published 11 Graduate Students: part-time 1; full-time 34; full-time first year 10				Applications due: 1/31 Contact number: 519-253-3000, ext. 3016	Stand alone: PM, AM, ST, OR Bachelor's by dept. 16 Master's by dept. 8 Doc. (01/04) S 3, AM 1. Total: 4
Fellowship (5:1)	15000–19000	12 5000	10		70
Teaching Assistantship (28:8)	8500–8900	9 5000	10	Grade	70
Research Assistantship (12:7)	4000–7000	3 5000	10	Research	70
York University, Toronto, Ontario M3J 1P3					
MATHEMATICS AND STATISTICS http://www.math.yorku.ca Neal Madras, Chair Faculty 57, Tenured 42, Tenured faculty who published 28 Graduate Students: part-time 25; full-time 73; full-time first year 29				Applications due: 2/1 Contact number: 416-736-5250 Internship: yes Foreign languages: 1	Stand alone: K–12 Bachelor's by dept. 197 Master's by dept. 35 Doc. (01/04) RCA 2, GT 5, S 3, AM 3, DMC 2, Other 3. Total: 18
Teaching/Research/Graduate Assistantship (73:29)	8000–19763	12 5717.54	10	Grade, teach, research	yes*

Stipends for Study and Travel

Sources of support for graduate students are listed below. Support available for postdoctorates is listed in the September issue of the *Notices of the AMS*.

Graduate Support

American Association for the Advancement of Science

Mass Media Summer Fellowship

(AMS supports at least one Fellow per year under this program)

Description: Fellows work for newspapers, magazines, and radio and television stations. Travel expenses and stipends are paid by the AAAS. Fellows have the opportunity to: observe and participate in the process by which events and ideas become news, improve their communication skills by learning to describe complex technical subjects in a manner understandable by the public, and increase their understanding of editorial decision making and the manner in which information is effectively disseminated. Each fellow will: attend an orientation and evaluation session in Washington, DC; begin the 10-week internship in mid-June; and submit an interim and final report to AAAS to help evaluate the program.

Eligibility: Provides support for 20–25 outstanding graduate students in mathematics, the natural and social sciences, and engineering as reporters, researchers, and production assistants in the mass media. (Exceptional undergraduate or postdoctoral students also considered.)

Grant amount: \$450/week stipend for ten weeks.

Deadline: January 15, 2005.

Application information: Stacey Pasco, Manager, Mass Media Program, Mass Media Science and Engineering Fellows Program, American Association for the Advancement of Science, 1200 New York Avenue, NW, Washington, DC 20005; telephone: 202-326-6441; <http://ehrweb.aaas.org/massmedia.htm>.

American Association of University Women (AAUW) Educational Foundation

Selected Professions Fellowships

Description: These fellowships are awarded to women of outstanding academic ability who are citizens or permanent residents of the U.S. for full-time graduate study in designated fields where women's participation has traditionally been low. Eligible fields currently include mathematics and statistics.

Eligibility: Fellowships are for the final year of the master's degree. Fellowship year is July 1–June 30. Degree must be earned at the end of the fellowship year.

Grant amount: \$5,000–\$12,000.

Deadline: Must be postmarked by January 10 (applications are available August 1–December 20).

Application information: For more information contact: AAUW Educational Foundation, 2201 Dodge Street, Iowa City, IA 52243-4030; tel: 319-337-1716; or visit our website at <http://www.aauw.org/>.

Burroughs Wellcome Fund

Career Awards at the Scientific Interface

Description: The complexity inherent in biological research has always provided a fertile field for the development of new mathematical and physical approaches to biological problems. But now, with advances in genomics, quantitative structural biology, and modeling of complex systems, the possibilities for an exciting research career at the interface between the physical/computational sciences and the biological sciences have never been greater. Tackling key problems in biology will require scientists trained in areas such as chemistry, physics, applied mathematics, computer science, and engineering. In recognition of the vital role such cross-trained scientists will play in furthering biomedical science, the Burroughs Wellcome Fund has developed Career Awards at the Scientific Interface. These grants are intended to foster the early career development of researchers with backgrounds in the physical/computational sciences whose work addresses biological questions and who are dedicated to pursuing a career in academic research. Candidates are expected to draw from their training in a scientific field other than biology to propose innovative approaches to answer important questions in the biological sciences. Examples of approaches include, but are not limited to, physical measurement of biological phenomena, computer simulation of complex processes in physiological systems, mathematical modeling of self-organizing behavior, building probabilistic tools for medical diagnosis, developing novel imaging tools or biosensors, applying nanotechnology to manipulate cellular systems, predicting cellular responses to topological clues and mechanical forces, and developing a new conceptual understanding of the complexity of living organisms.

Proposals that include experimental validation of theoretical models are particularly encouraged.

Eligibility: Candidates must hold a Ph.D. degree in the fields of mathematics, physics, chemistry (physical, theoretical, or computational), computer science, statistics, or engineering. Exceptions will be made only if the applicant can demonstrate significant expertise in one of these areas, evidenced by publications or advanced course work. Candidates must have completed at least six months but not more than 48 months of postdoctoral training at the time of application and must not hold or have accepted a faculty appointment as a tenure-track assistant professor at the time of application. Candidates who are not citizens of the United States or Canada must provide documentation of their visa status at the time of application.

Grant amount: Career Awards at the Scientific Interface provide \$500,000 over five years to support up to two years of advanced postdoctoral training and the first three years of a faculty appointment. During both the postdoctoral and the faculty periods, grants must be made to degree-granting institutions in the United States or Canada on behalf of the award recipient.

Deadline: May 3, 2005.

Application information: Full application information is available on the Burroughs Wellcome Fund website at <http://www.bwfund.org> or write to Burroughs Wellcome Fund, Interfaces Program, 21 T. W. Alexander Dr., P.O. Box 13901, Research Triangle Park, NC 27709-3901.

Florida Education Fund

The McKnight Doctoral Fellowship Program

Description: A McKnight Doctoral Fellowship provides funds for up to twenty-five African American citizens annually to pursue Ph.D. degrees at participating Florida universities. Contingent upon successful academic progress, the maximum length of the award is five years. The Florida Education Fund provides the first three years, and the student's university continues funding at the same level of support for an additional two years.

Eligibility: Applicants must hold or be receiving a bachelor's degree from a regionally accredited college or university.

Grant amount: Up to \$5,000 in tuition and fees plus an annual stipend of \$12,000. Tuition and fees over \$5,000 will be waived.

Deadline: The deadline for applications for fall 2005 is January 15, 2005.

Application information: Detailed information and application packets can be obtained by writing or calling: The Florida Education Fund, 201 E. Kennedy Boulevard, Suite #1525, Tampa, FL 33602; 813-272-2772; mdf@fl-educ-fd.org; or visit our website at: <http://www.fl-educ-fd.org/>.

Ford Foundation Dissertation Fellowships for Minorities

Description: Approximately 40 dissertation fellowships will be awarded in a national competition administered by the National Research Council (NRC) of the National Academies for the Ford Foundation. The awards will be made to those individuals who, in the judgment of the review panels, have demonstrated superior scholarship and show the greatest promise for future achievement as scholars, researchers, and teachers in institutions of higher education.

Eligibility: Available to minorities who are Ph.D. or Sc.D. candidates at U.S. institutions studying mathematics, engineering, or one of several other fields. The fellowships will be offered on a competitive basis to individuals who are citizens or nationals of the U.S. and who are members of the following groups: Alaska Natives (Eskimo or Aleut), Native American Indians, Black/African Americans, Mexican Americans/Chicanas/Chicanos, Native Pacific Islanders (Polynesian or Micronesian), Puerto Ricans.

Application information: For more information, contact: Fellowship Office, GR 346A, National Research Council of the National Academies, 550 Fifth Street, NW, Washington, DC 20001; tel: 202-334-2872; e-mail: infofell@nas.edu; website: <http://national-academies.org/fellowships/>.

Ford Foundation Predoctoral Fellowships for Minorities

Description: Approximately 60 predoctoral fellowships will be awarded in a national competition administered by the National Research Council (NRC) of the National Academies for the Ford Foundation. The awards will be made to those individuals who, in the judgment of the review panels, have demonstrated superior scholarship and show the greatest promise for future achievement as scholars, researchers, and teachers in institutions of higher education.

Eligibility: Available to minorities enrolled in or planning to enroll in research-based doctoral programs in mathematics, engineering, and other fields. The fellowships will be offered on a competitive basis to individuals who are citizens or nationals of the U.S. and who are members of the following groups: Alaska Natives (Eskimo or Aleut), Native American Indians, Black/African Americans, Mexican Americans/Chicanas/Chicanos, Native Pacific Islanders (Polynesian or Micronesian), Puerto Ricans.

Application information: For more information, contact: Fellowship Office, GR 346A, National Research Council of the National Academies, 550 Fifth Street, NW, Washington, DC 20001; tel: 202-334-2872; e-mail: infofell@nas.edu; website: <http://national-academies.org/fellowships/>.

Georgia Institute of Technology

President's Fellowships

Description: These stipends are awarded to a selected number of highly qualified U.S. nationals who intend to pursue doctoral degrees. The fellowships are intended to supplement other forms of support and can be extended for three additional years based on academic performance and research potential.

Eligibility: The awards are highly competitive; selection is based on academic criteria and evidence of scholarship. Participants are expected to maintain high academic standing.

Grant amount: \$5,500 for twelve months.

National Academies

Christine Mirzayan Science and Technology Policy Internship Program

Description: The Christine Mirzayan Science and Technology Policy Internship Program of the National Academies is designed to engage graduate and postdoctoral science, engineering, medical, veterinary, business, and law students in science and technology policy and to familiarize them with the interactions between science, technology, and government. As a result, students develop essential skills different from those attained in academia and make the transition from being a graduate student to a professional.

Eligibility: Applications for the internships are invited from graduate students through postdoctoral candidates in any physical, biological, or social science field or any field of engineering, medicine/health, or veterinary medicine, as well as business and law education, and other graduate and professional programs.

Grant amount: The stipend for the 12-week January program is \$5,700. The stipend for the 10-week June program is \$4,800. The stipend for the September program is \$5,700. In addition, travel expenses of up to \$500 will be provided.

Deadline: Deadline for the receipt of materials is November 1 for the January program, March 1 for the June program, and June 1 for the September program.

Application information: For program details and a link to the online application, please visit the website at <http://national-academies.org/internship>. For further information, e-mail: internship@nas.edu (preferred) or phone 202-334-2455. Résumés are not accepted.

National Science Foundation

Graduate Research Fellowships

Description: Three-year awards available to U.S. citizens or nationals, or permanent resident aliens of the U.S. Fellowships are awarded for graduate study leading to research-based master's or doctoral degree in

the fields of science, mathematics, and engineering supported by the NSF. Women in Engineering and Computer and Information Science: Additional awards will be offered to encourage women to undertake graduate study in engineering and computer and information science.

Eligibility: Fellowships are intended for individuals in the early stages of their graduate study in science, mathematics, or engineering.

Application information: Apply to NSF Graduate Research Fellowship Program, Oak Ridge Associated Universities, P. O. Box 3010, Oak Ridge, TN 37831-3010; tel: 865-241-4300; fax: 865-241-4513; e-mail: nsfgrfp@ornl.gov; website: <http://www.ornl.gov/orise/edu/NSF/gi-gGRF.htm>.

Zonta International Foundation

Amelia Earhart Fellowship Awards

Description: Established in 1938 in honor of Amelia Earhart, Zonta member from 1928 to 1937, the fellowships recognize excellence and encourage and support women pursuing graduate degrees in aerospace-related sciences and/or engineering.

Eligibility: To qualify for the fellowship, a woman must have by the time of her application: a bachelor's degree in a qualifying area of science or engineering closely related to advanced studies in aerospace-related science or aerospace-related engineering; a superior academic record and evidence of potential at a recognized institute of higher learning, as demonstrated by transcripts, recommendations, and acceptance or verification by an institute of higher learning with accredited courses in aerospace-related studies; evidence of a well-defined research program in aerospace-related sciences or engineering; and completion of one year of aerospace-related graduate studies.

Grant amount: The scholarship award of \$6,000 may be used for tuition, books and fees, or living expenses. Awards may be renewed for an additional year by a current fellow.

Deadline: November 15. Announcement of awards will be made by May 15.

Application information: Zonta International Foundation, 557 W. Randolph St., Chicago, IL 60661-2206; tel: 312-930-5848; fax: 312-930-0951; e-mail: Zontafdn@Zonta.org; website: <http://www.Zonta.org/>.

Travel and Study Abroad

Fulbright Teacher & Administrator Exchange Program

Description: Sponsored by the United States Department of State, this program offers international exchange opportunities for two-year college faculty members and

elementary and secondary school teachers and administrators. Currently the program conducts exchanges with over 30 countries in Eastern and Western Europe, Latin America, Africa, and Canada. (The list of countries is subject to change.) Most exchanges are for the full academic year; however, some are for a semester or six weeks. In most cases both the U.S. and international teacher remain on the payroll of their respective home institutions. The Fulbright Teacher & Administrator Exchange Program also offers six- to eight-week summer seminars in Italy and Greece which are open to four-year and two-year college faculty and teachers (grades 9–12) of Latin, Greek, and the Classics.

Eligibility: Eligibility requirements are U.S. citizenship, fluency in English, a bachelor's degree or higher, three years' full-time teaching/administrative experience, a current full-time teaching/administrative position, approval of school administration, and no participation in a Fulbright Program longer than eight weeks in the last two years. In addition to the general eligibility requirements, each applicant must meet the specific subject, level, and language fluency requirements for the countries to which he/she applies; these requirements are detailed in the application booklet.

Deadline: The application deadline is October 15 for the following year's program.

Application information: The application booklet should be requested from the Fulbright Teacher Exchange Program, 600 Maryland Ave., SW, Room 320, Washington, DC 20024-2520; tel: 800-726-0479.

Marshall Scholarships

Description: Marshall Scholarships finance young Americans of high ability to study for a degree in the United Kingdom. The scholarships are tenable at any British university and cover two years of study in any discipline, at either undergraduate or graduate level, leading to the award of a British university degree.

Eligibility: Open only to United States citizens who (by the time they take up their scholarship) hold a first degree from an accredited four-year college or university in the United States with a minimum GPA of 3.7. To qualify for awards tenable from October 2005, candidates must have graduated from their undergraduate college or university after April 2002 (although this restriction may be waived in the case of those wishing to read business studies or an allied subject). N.B. Persons already studying for or holding a British degree or degree-equivalent qualification are **not** eligible to apply for a Marshall Scholarship.

Deadline: October 1, 2004 (although some universities might have earlier internal application deadlines), to commence the following September.

Application information: The application process is all online, interested parties should visit: <http://www.marshallscholarship.org>. For further informa-

tion please contact your local British Consulate General: Atlanta, 404-954-7708; Boston, 617-245-4513; Chicago, 312-346-1810; Houston, 713-659-6270; Los Angeles, 310-996-3028; New York, 212-745-0252; San Francisco, 415-617-1300; Washington, DC, 202-588-7854.

U.S. Department of State Fulbright U.S. Student Program

Fulbright and Related Grants for Graduate Study, Research, and Teaching Assistantships Abroad

Description: For graduate study or research in any field in which the project can be profitably undertaken abroad. If an applicant is already enrolled in a U.S. university, he must apply directly to the Fulbright Program adviser on his campus. Unenrolled students may apply to the Institute of International Education.

Eligibility: Applicant must be a U.S. citizen, hold a B.A. degree or the equivalent, and have language proficiency sufficient to carry out the proposed study and to communicate with the host country.

Deadline: Application deadline is October 21.

Application information: Further details may be obtained from the U.S. Department of State Fulbright U.S. Student Program, U.S. Student Programs Division, Institute of International Education, 809 United Nations Plaza, New York, NY 10017; tel: 212-984-5330; website: <http://www.iie.org.fulbright/us>.

Winston Churchill Foundation of the United States

Description: A scholarship program for graduate work in engineering, mathematics, and science at Churchill College, Cambridge University.

Grant amount: Tuition and living allowance worth approximately \$29,000, depending upon course of study.

Application information: Application forms are available from representatives on campuses of colleges and universities participating in the program. For further information write to the Winston Churchill Foundation, P. O. Box 1240, Gracie Station, New York, NY 10028; or see foundation homepage, <http://www.thechurchillscholarships.com/>.

Study in the U.S. for Foreign Nationals

American Association of University Women (AAUW) Educational Foundation

International Fellowships

Description: These are awarded to women of outstanding academic ability who are not citizens or permanent residents of the U.S. for full-time graduate or postgraduate study in the U.S. Six of the 57 awards are

available to members of the International Federation of University Women to study in any country other than their own. Upon completion of studies, fellowship recipients are expected to return to their home countries to pursue professional careers. Previous and current recipients of AAUW fellowships are not eligible.

Eligibility: Applicants must hold the equivalent of a U.S. bachelor's degree by December 31.

Grant amount: The fellowships provide \$18,000 for master's/first professional degree, \$20,000 for predoctoral study, and \$30,000 for postdoctoral study.

Deadline: The deadline is December 15 (postmark deadline). *If an application postmark deadline falls on a weekend or holiday, applications may be postmarked the next business day.

Application information: For more information contact: AAUW Educational Foundation, P.O. Box 4030, Iowa City, IA 52243-4030; tel: 319-337-1716; fax: 319-337-1204.

Kennedy Scholarships

Description: These grants are for postgraduate study at Harvard University or the Massachusetts Institute of Technology.

Eligibility: For citizens of the United Kingdom.

Deadline: Application deadline is October 22, 2004.

Application information: Write to Secretary, Kennedy Memorial Trust, 3 Birdcage Walk, Westminster, London SW1H 9JJ, England.

Sources of Fellowship Information

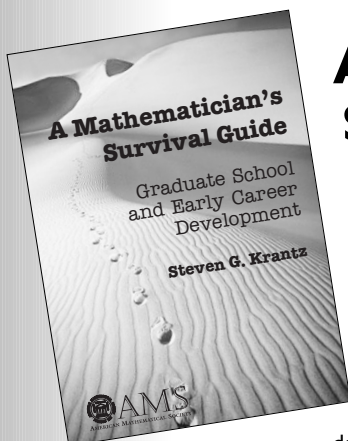
Financial Aid for Minorities in Engineering and Science

Financial assistance, scholarship and fellowship programs, resources for further information (1999); Garrett Park Press, P. O. Box 190, Garrett Park, MD 20896. \$5.95 + \$1.50 shipping.

Pathways to Career Success for Minorities

(2000, 378 pages), Garrett Park Press, Garrett Park, MD 20896. \$29.95 plus \$3 shipping. Tel: 301-946-2863; fax: 301-949-3955.

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A Mathematician's Survival Guide

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Steven G. Krantz,
Washington University, St. Louis, MO

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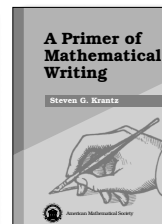
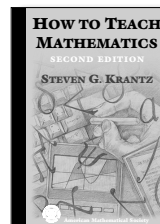
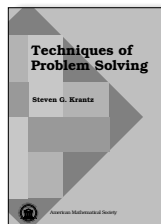
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