

**THE UNIVERSITY OF GEORGIA®**



**DEPARTMENT OF STATISTICS**

**FRANKLIN COLLEGE OF ARTS AND SCIENCES**

**VIRTUAL  
OPEN HOUSE  
ON  
STATISTICS  
GRADUATE  
PROGRAMS**

**Nov. 29, 2022**

# Program for Open House

<b>Speaker</b>	<b>Topic</b>
<b>Dr. PS Ji; Assoc Head</b>	<b>Introduction to Statistics Department</b>
<b>Dr. PengSheng Ji</b>	<b>Network data &amp; Machine Learning in Statistics</b>
<b>Dr. Mandev Gill</b>	<b>Infectious Disease Research</b>
<b>Dr. Liang Liu</b>	<b>Understanding the COVID-19 Pandemic</b>
<b>Dr. Lynne Seymour</b>	<b>Statistical Climatology &amp; Agricultural Precision</b>
<b>Dr. Abhyuday Mandal</b>	<b>Computer Experiments In Design</b>
<b>Dr. MKS Faradonbeh</b>	<b>Reinforcement Learning</b>
<b>Dr. Dan Hall; SCC Dir.</b>	<b>UGA Statistical Consulting Center</b>
<b>Grad Student Panel</b>	<b>Graduate Student Experiences</b>
<b>Dr. Jaxk Reeves; GC</b>	<b>Statistics Graduate Programs</b>

# Graduate Student Panel

<b>Name</b>	<b>Status</b>
<b>Alayna Daws</b>	<b>1<sup>st</sup>-year MS Student</b>
<b>Katherine Hu</b>	<b>2<sup>nd</sup>-year MS Student</b>
<b>Maninder Kaur</b>	<b>2<sup>nd</sup>-year Dual-degree MS Student</b>
<b>ShiYuan Deng</b>	<b>4<sup>th</sup>-year PhD Student</b>
<b>Greg Ellison</b>	<b>3<sup>rd</sup>-year PhD Student</b>

# AREAS THAT NEED STATISTICS

- **Physical Science**
  - Astronomy, Chemistry, Physics
- **Health and Medicine**
  - Biology, Genetics, Clinical Trials, Epidemiology, Pharmacology
- **Social Science**
  - Education, Psychology, Anthropology
- **Government**
  - Census, Law, National Defense
- **Business and Economics**
  - Marketing, Financial Analysis
- **Environment**
  - Agriculture, Ecology, Forestry, Animal Population

# UNIVERSITY OF GEORGIA



- Founded in 1785, first public univ. in the US
- The Graduate School Enrollment in Fall 2022: **9,859 students**
- Total Fall 2022 Enrollment **41,440**
- UGA is ranked **47th** in national university and **15th** in public school rankings (U.S. News & World Report's 2021)

# ATHENS, GEORGIA

■ Centrally located in Georgia and only 1 hour away from Atlanta

■ Plenty of Activities

- Professional Development
- Indoor
- Outdoor
- Family

■ Downtown

■ Campus

**Athens:**

<http://onlineathens.com/>

<http://www.redandblack.com/>

<http://www.ajc.com/>

[www.flagpole.com](http://www.flagpole.com)



# UGA STATISTICS DEPARTMENT



- Was originally formed in 1964 as Dept of Statistics and Computer Science
- In 1984, became Dept of Statistics
- 31 Current Faculty Members
  - 9 Professors, 6 Assoc. Professors, 5 Assist. Professors, 11 Non-tenure track faculty
- 1 Staff Member
- Graduate Students
  - Around 25 MS, 30 Secondary MS, 45 PhD

# Graduate Student Demographics

## Fall 2022

<b>Degree Program</b>	<b>Number of students</b>		<b>Number Male</b>	<b>Number Female</b>		<b>From USA</b>	<b>From China</b>	<b>From Rest of the World</b>
MS	29		13	16		17	10	2
MS-2	30		13	17		6	11	13
PhD	40		24	16		4	29	7
Total	99		50	49		27	50	22



# MASTER'S PROGRAM

- 5 required + 6 elective 3-hour courses; maintain GPA of 3.00 or higher
- Core requirements (5 Courses)
  - Linear Models: STAT 6420-6430
  - Mathematical Statistics: STAT 6510-6520
  - Consulting: STAT 8000
- Elective requirements (6 Courses)
  - Non-thesis option: Choose 6 electives and pass Qualifying Exam (85%)
  - Thesis option: Choose 4 electives, 2 STAT 7300, write a thesis (15%)
- Qualifying exam: Offered in early August and early January
  - Two-day take-home data analysis exam

Program typically requires one and one-half to two years of study

# Dual-Degree MS PROGRAM (MS-2)

- Same requirements as MS degree
- Typically earned by PhD students in other scientific fields
- Program typically requires about 2-3 years of study
- Very popular with international students

# PhD PROGRAM

- Maintain GPA of 3.00 or higher in 9 required + 6 elective courses
- Core requirements
  - 1<sup>st</sup>-year Linear Models: STAT 6420-6430 and STAT 8260
  - 1<sup>st</sup>-year Mathematical Statistics: STAT 6810-6820
  - Second-Year core: Probability Theory, Advanced Inference, Statistical Computing, Bayesian Analysis
- Qualifying exams: Offered once per year in early August
  - Theory: one-day open book exam
  - Data Analysis: four-day take-home data analysis
- Comprehensive exams: third-year
  - Advisory committee
  - Written and Oral
- Dissertation proposal: fourth-year
- Dissertation defense: fifth-year
- Typical program requires 5 years (4 if entering with M.S.)

# Placements of Recent Graduates

■ **PhD:** Arizona State U.; Apple; FDA; Indiana U; Duke U; Clemson U; SMU; U. Tennessee; U. Oregon; U. Virginia; State Farm; Wells Fargo; Facebook; Workday; Sprint; Drake U; Johnson & Johnson; Capital One; ING Direct; City Bank; Capital One; College of Charleston; Lexis-Nexis; Liberty Mutual; JP Morgan Chase; Synovus, Atlanta; Virginia Commonwealth; William & Mary, etc.

[2022: 11 PhD Graduates \(1 Prof; 2 Post-doc, 8 statistician\)](#)

[2021: 11 PhD Graduates \(1 Prof; 5 Post-doc, 5 statistician\)](#)

[2020: 7 PhD Graduates \(4 Prof; 2 Post-doc, 1 statistician\)](#)

[2019: 6 PhD Graduates \(4 Prof; 0 Post-doc, 2 statistician\)](#)

■ [More at https://www.stat.uga.edu/phd-alumni-and-job-placements](https://www.stat.uga.edu/phd-alumni-and-job-placements)

■ **MS & MS-2:** Apple; Assurant, Atlanta; Coca-Cola; Sun Trust; Munich Reinsurance; Lexis-Nexis; Black Arch, DC; Centers for Disease Control and Prevention; Ernst & Young, NYC; James Madison University; Merial, Atlanta; State Farm, Atlanta; U Virginia; US Department of Agriculture, St. Louis; and more.

# APPLICATION DEADLINES

## ■ For applicants seeking financial support:

- January 1 (Fall semester)
- Other deadlines ->

## ■ Other documents

- Three letters of recommendation
- Transcript(s)
- SOP and Resume (CV)
- Official IELTS scores (if applicable to international students)
- GRE is useful, but not required
- <http://www.grad.uga.edu>

## Not Seeking Support:

### • Domestic Applicants

- Fall-----July 1
- Spring -----November 15

### • International Applicants

- Fall-----April 15
- Spring -----October 15

# ADMISSION REQUIREMENTS

## ■ Departmental requirements

\* GRE (not required, but useful)

- At least a some background in Statistics
- At least some background in Computing/Software
- Three semesters of Calculus
- One Course in Linear algebra

## ■ Departmental evaluations

- Performance in mathematical and statistical coursework
- Recommendation letters

## ■ Other documents

- Statement of purpose
- Resume (CV)
- See <https://www.stat.uga.edu/prospective-graduate-students-0>

# ACCEPTANCE DECISIONS

Two-fold process (**Most decisions for Fall are posted in February**)

## ■ (1) Department

- Academic department faculty review file
- Department submits recommendation to accept or refuse applicant to Graduate School

## ■ (2) Graduate School (GS)

- GS reviews files of applicants recommended for acceptance
- If GS agrees with department decision, applicant is admitted
- Applicant receives official acceptance letter from Grad School

# FUNDING OPPORTUNITIES

- Typically, 6-12(PhD) and 5-7(MS) new supported admissions
- Types of Financial Support (# Currently Holding)
  - Graduate School Master's Award and Doctoral Award (1)
  - Research Assistantship (12)
  - Internship (2)
  - Teaching Assistantship (25)
  - Consulting Assistantship (5)
  - Graduate School Assistantship (2)
  - MAGNet Program sponsored by State Farm (5)
  - Graduate Out-of-State Tuition Waivers
  - Regent's Out-of-State Tuition Waivers



# MAGNET PROGRAM (STATE FARM)

- Select 6-8 MS students
- US citizens or permanent residents
- Interviews on site or by phone
- Summer internship plus one-year assistantship
- 20 hours per week
- Supervised by State Farm

# CONTACTS

- A lot of information available at [www.stat.uga.edu](http://www.stat.uga.edu)
- If you have any questions, feel free to email the Graduate Coordinator: Jaxk Reeves, [jaxk@uga.edu](mailto:jaxk@uga.edu)