



UNIVERSITY OF GEORGIA

Virtual STEM College Night

Simona Hunyadi Murph, PhD

Adjunct Professor, UGA

Fellow Scientist and LDRD Program Manager, SRNL

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A little bit about me...

•Education:

- **BS** and **MS**- Babes-Bolyai Univ., Cluj, Romania
- **PhD** - Univ. South Carolina, Columbia, SC
- **EdS** – Augusta Univ., Augusta, GA

•Experience:

- 1st Career: 15+ years Educator
 - Teaching at High/Middle school & University Level
- 2nd Career: 15+ years Researcher





UGA - Introduction

- **Founded**
 - January 27, **1785**, by the Georgia General Assembly.
 - UGA is the **birthplace of public higher education** in America.
- **Administration**
 - J.W. Morehead, President
- **Location**
 - Athens, Georgia (Clarke County), about 70 miles northeast of downtown Atlanta.
- **Teaching, research and service mission** spans the globe with campuses in:
 - Five Georgia locations
 - Washington, D.C.
 - England
 - Italy
 - as well as partnerships in more than 50 countries on six continents.
- **Size**
 - Main campus: 465 buildings on 762 acres
 - Total acreage in 31 Georgia counties: 39,743 acres





Schools and Colleges

Composed of **17 schools and colleges**:

- Franklin College of Arts and Sciences, 1801
- College of Agricultural and Environmental Sciences, 1859
- School of Law, 1859
- College of Pharmacy, 1903
- Daniel B. Warnell School of Forestry and Natural Resources, 1906
- Mary Frances Early College of Education, 1908
- Graduate School, 1910
- C. Herman and Mary Virginia Terry College of Business, 1912
- Henry W. Grady College of Journalism and Mass Communication, 1915
- College of Family and Consumer Sciences, 1918
- College of Veterinary Medicine, 1946
- School of Social Work, 1964
- College of Environment and Design, 1969
- School of Public and International Affairs, 2001
- College of Public Health, 2005
- Eugene P. Odum School of Ecology, 2007
- College of Engineering, 2012

The university is also home to the Augusta University/University of Georgia Medical Partnership.



Academic Offerings

- 24 Baccalaureate degrees in more than 142 fields
- 32 Master's degrees in 135 fields
- Specialist in Education degree in 8 major fields
- 4 Doctoral degrees in 87 areas
- Professional degrees in law, pharmacy and veterinary medicine
- More than 130 Study Abroad & exchange programs





UGA by the Numbers

- **Work Force**

Faculty (instruction/research/public service)	3,119
Administrative/other professional	3,213
Technical/clerical/crafts/maintenance	4,524
Total	10,856

- **Research**

- \$495 million in R&D expenditures (FY20)
- Top 5 university in the U.S. for new products to market
- \$531M from UGA startups and programs
- Licensing Revenue: \$10.6 million
- More than 775 products to date have been derived from university research.

- **Annual Budget**

- \$1.69 billion, FY19



Honors and Awards

- UGA rises to **#15 among nation's best** public universities ranked by U.S. News & World Report.

- UGA is also home to hundreds of major **scholarship winners**, including:

- 24 Rhodes Scholars,
- 1 Churchill Scholar,
- 2 Beinecke Scholars,
- 7 Gates Cambridge Scholars,
- 7 Marshall Scholars,
- 60 Goldwater Scholars,
- 21 Truman Scholars,
- 18 Udall Scholars,
- 56 Boren Scholars,
- 143 Fulbright Student Scholars,
- 5 Schwarzman Scholars, and
- 3 Mitchell Scholars.



- **Honors and Awards**

- Top 10 Honors Program in the U.S.
- National Academy of Sciences members: 2 faculty
- American Association for the Advancement of Science: 55 faculty
- National Academy of Engineering members: 2 faculty
- National Academy of Public Administration members: 3 faculty
- American Academy of Arts and Sciences members: 2 faculty



The University of Georgia...

- ...is home of the 115,000-square-foot **Richard B. Russell Building Special Collections Libraries**, housing the Hargrett Rare Book and Manuscript Library; the Russell Library for Political Research and Studies; the Walter J. Brown Media Archives, and the Peabody Collection.
- ...is home of the **Peabody Awards**, presented annually for excellence in television and radio news, entertainment and children's programming.
- ...is home of **Georgia's State Botanical Garden, State Museum of Art, and State Museum of Natural History**.
- ...is home of the **Georgia Writers Hall of Fame**.
- ...has one of the largest and most comprehensive **public service and outreach programs** conducted by an American educational institution.
- ...is one of the largest public universities to require all undergraduates to participate in **hands-on learning** experiences.



UGA by the Numbers

Enrollment Fall 2019

Undergraduate	29,848
Graduate/Professional	9,072
Total	38,920

96% retention rate for incoming students who return for their sophomore year



Student Activities

Student Organizations

Your home for extracurricular life, the Center for Student Organizations plays host to more than 700 registered student organizations. Get involved, meet friends old and new, and stay busy! What's the first new group you'll sign up for?

Tate Student Center

Fondly referred to as the "living room" of campus, the Tate Student Center plays host to more than 2 million visits per year and serves as the central hub of student life at UGA.

Tate provides a safe and welcoming space for students and is home to many programs offered through the Office of the Dean of Students.

Greek Life

The fraternities and sororities are an established tradition at UGA, dating back more than 150 years. There are 62 national Greek-letter men's and women's groups, making up 26% of the undergraduate student population. The self-governing, self-supporting bodies of the fraternities and sororities are the Interfraternity Council, the National Pan-Hellenic Council, the Multicultural Greek Council and the Panhellenic Council. These groups coordinate events, provide educational programs, establish community-wide regulations and implement policies for their member organizations.

Recreational Sports

Fun. Fitness. Learning. Leadership. UGA Recreational Sports makes all of this possible. Students who pay activity fees are automatically a member of the Ramsey Student Center. Students can drop in to shoot hoops, play racquetball, take a fitness class, climb on the indoor wall, lift weights or run around the indoor track. The Ramsey Center even has an Olympic-sized swimming pool for students to swim laps in. Students can also represent UGA by participating in 9 men's varsity sports, 12 women's varsity sports, 22 intramural sports and 45 club sports.

Center for Leadership and Service

The Center for Leadership and Service empowers students to intentionally engage in leadership learning and practice active citizenship.

Last year, more than 12,500 students volunteered 228,000 hours of community service. The Center is at the heart of these efforts and provides students with opportunities including IMPACT Service Breaks, Leadershape, Volunteer UGA and more.

UGA Mentor Program

The UGA Mentor Program provides an opportunity for students to search and request an experienced UGA alumni mentor using a variety of search criteria, including identity, industry, and more! Finding a UGA mentor narrows down the world of possibilities to meaningful connections. If you're not sure where to start, there are guidelines, icebreakers, and resources on this site to help you along the way.



Sport clubs, international and multicultural organizations, religious organizations, academic honorary organizations, and special interest clubs.



Student Scholastic Achievement

2020 First-Year Students	5,600+
Avg. SAT score	1351
Avg. GPA	4.0+
Avg. ACT score	31

Honors Program	2,500, including 718 first years
Honors First-Year Student average SAT score	1517 (critical reading and math sections only)
average ACT score	34 (English and math sections only)
GPA	4.06

95% of graduates are employed or attending graduate school within 6 months of graduation.



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Commit to UGA

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 **UNIVERSITY OF GEORGIA**
Undergraduate Admissions

ADMISSIONS

ACADEMICS

EXPERIENCE

AFFORD

APPLY

BLOG

COUNSELORS

CONNECT



COMMIT TO
GEORGIA

Our commitment to access & inclusion

We're dedicated to seeing every student as
the individual they are.

[LEARN MORE >](#)

UGA is test optional for Summer & Fall 2021

UGA will temporarily suspend the SAT/ACT
requirement for the 2020-2021 First-Year
Application and will be test optional,
allowing students the flexibility to decide
if they want to submit a test score as a part
of their application.

[LEARN MORE >](#)

Dawgs on Top

95%

graduates are employed or continuing their
education within 6 months of graduation

#15

U.S. News & World Report 2021 ranking of best
public national universities

17:1

Student / Faculty Ratio



Internships and Mentorship Opportunities

Research

Astronomy (Observational)

Exoplanets and disks
Interstellar medium
IR, optical, UV & X-ray
observations
Young stars



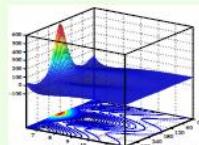
Astrophysics (Computational)

Astrochemistry
High velocity clouds
Intergalactic material
Interstellar material
Milky Way galaxy



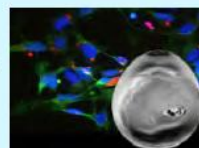
Atomic and Molecular Physics

Heavy-particle collisions
High resolution/ultrafast
laser spectroscopy
Photophysics of
biomolecules
Weakly bound clusters



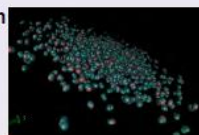
Biophysics and Biomedical Physics

Bioimaging disease
treatment
Biomolecules & materials
Bio-sensing
Drug delivery
Protein folding



Condensed Matter Physics

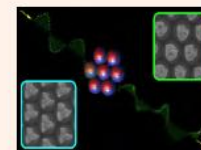
Functional material growth
Material behavior
Organic spintronics
Phase transitions
Phosphor materials



Research

Modern Optics

Laser spectroscopy
Metamaterials & devices
Non-linear optics
Optical materials
Photonics
Plasmonics & sensors



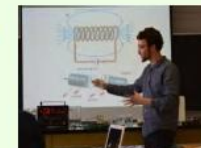
Nanoscience and Nanotechnology

Nanomaterials
Nanomotors
Nanosensors
Renewable energy
Surfaces and interfaces



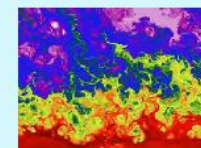
Physics Education

Analysis of curricula
Educational technologies
SCALE-UP
Service learning



Simulational Physics

Algorithm development
Criticality & complexity
Fluid dynamics
Molecules & materials
Phase transitions



Theoretical Physics

Nuclear physics
Quantum computing
Statistical physics



Group for Innovation and Advancements in Nano-Technology Sciences (GIANTS)





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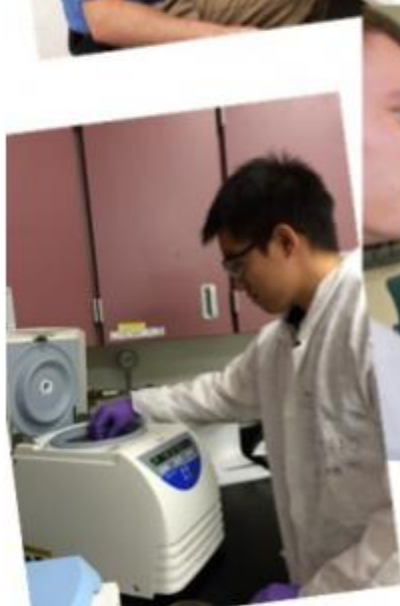
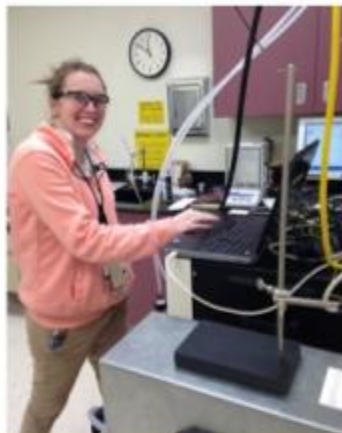


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Quality of Life in Athens, Georgia



Athens is one of America's best college towns:

<http://www.collegerank.net/best-college-towns>



Affordable housing options both on campus and in the local community:

https://housing.uga.edu/site/housing_family_graduate

<http://www.apartmentguide.com/apartments/Georgia/Athens>



Excellent recreational facilities at UGA:

<http://www.recsports.uga.edu>



Additional information about UGA:

<http://www.uga.edu>



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Questions????

simonamurph@uga.edu

<https://www.physast.uga.edu/people/simona-murph>

