East Carolina University offers you a wide variety of graduate degree options and a unique educational experience. ECU is part of the UNC system, North Carolina’s public university system. Here, you will not only study your chosen field, but also have opportunities to:

- grow culturally;
- take advantage of research and community service activities; and
- make friendships and memories that last a lifetime.

**About ECU**

- Nearly 29,000 students
- Home to a wide variety of nationally recognized programs, colleges, and schools, including the Brody School of Medicine, College of Business, College of Engineering and Technology, and the College of Dental Medicine
- 72 master’s degree programs, nearly 70 graduate certificates, 2 intermediate programs, and 17 doctoral programs, including 5 professional degrees*
- Close proximity to the state capital of Raleigh and the NC beaches

**The Student Body**

- 5,400 Graduate Students
- 40% In traditional on-campus degree programs
- 60% In online-only or hybrid degree programs

*As of Spring 2017
Colleges & Schools

- Thomas Harriot College of Arts and Sciences
  www.ecu.edu/cs-cas
- College of Business
  www.ecu.edu/business
- College of Engineering and Technology
  www.ecu.edu/cet
- College of Fine Arts and Communication
  www.ecu.edu/artscomm
- College of Nursing
  www.nursing.ecu.edu
- College of Allied Health Sciences
  www.ecu.edu/ah
- College of Education
  www.ecu.edu/cs-educ
- College of Health and Human Performance
  www.ecu.edu/hhp
- Brody School of Medicine
  www.ecu.edu/med
- School of Dental Medicine
  www.ecu.edu/dentistry

*Degree-offering colleges and schools
Research

At East Carolina University, our faculty and students are setting the standard for excellence through scholarship, leadership, service, and discovery. ECU graduate students have the opportunity to conduct research with widely-published faculty. Our breakthroughs in classrooms, labs, and beyond transform lives today, and will continue to improve lives tomorrow.

Highlights

- Approximately $38.3 million per year in contract and grant activity (growing an average of 17 percent from 2011 to 2014)
- Leading-edge research at the College of Allied Health Sciences that has led to effective treatments for thousands of people with fluency disorders associated with stuttering and Parkinson’s disease
- With the support of the National Science Foundation, operates the only particle accelerator in the UNC system
- An advanced Ion Proton DNA sequencing device that allows genetic researchers at ECU to better understand and analyze DNA
- Opportunities for graduate students to work directly with potential employers from many sectors

Libraries

Three East Carolina University libraries—Joyner Library, the Music Library, and Laupus Health Sciences Library—support student research by providing:

- More than 2,000,000 print volumes
- 946,350 electronic books
- 98,400 electronic journals
- 475 online databases
- Rich primary sources
ECU provides graduate students with the opportunity to work one on one with faculty at the top of their fields. Some of the world’s most recognized scientists, artists, and other intellectual leaders come together in our academic community to provide exciting and unique educational experiences for our graduate students.

From our Faculty

ECU is a great place to earn a graduate degree. In addition to providing students with a strong educational foundation, we make an effort to include all students in the ECU family. Our students represent almost every region of the world. Through our student groups and clubs as well as other activities we attempt to connect people who are far from home to individuals with similar backgrounds. In this way, it is easier to get used to the new environment and excel in the classroom.

- Rukiyah Van Dross-Anderson, PhD
  Associate Professor of Pharmacology & Toxicology

The computer science and software engineering graduate degree programs at East Carolina University blend theory and practice through an industry driven, state-of-the-art curricula, and prepares students well for exciting and rewarding industry careers.

- Venkat Gudivada, PhD
  Professor and Chair, Department of Computer Science

86% of first-year students reported the faculty and their respective program’s reputation as their main reason for choosing ECU

18:1
Student-to-Faculty Ratio
### Cost

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<tr>
<th>Category</th>
<th>Amount</th>
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<tr>
<td>Tuition and Fees</td>
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<tr>
<td>Living Expenses</td>
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<tr>
<td>Books and Supplies</td>
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<tr>
<td><strong>Total</strong></td>
<td><strong>$36,369</strong></td>
</tr>
</tbody>
</table>

### Financing Graduate Education

Most of our graduate students create a package consisting of several sources of support.  
- Assistantships and fellowships awarded through specific departments, schools, and colleges  
- Tuition and student health insurance benefits provided for all PhD students on full-time graduate assistantships  
- Other on-campus student work opportunities are available.

More than 1,200 graduate assistantships and fellowships to master’s and PhD students awarded each year (As of Spring 2017)
PhD in Biomedical Sciences
The Brody School of Medicine (BSOM) offers a doctor of philosophy in biomedical sciences. The program is individually adapted to provide students a diversified background in biomedical sciences with an emphasis on state-of-the-art research.
Applicants may apply to one of five concentrations:
- Anatomy and cell biology
- Biochemistry and molecular biology
- Microbiology and immunology
- Pharmacology and toxicology
- Physiology
In addition to general application requirements, this program requires three letters of recommendation, GRE scores, and a statement of purpose.

Master of Science in Software Engineering
The MS in software engineering blends traditional computer science with the rapidly evolving field of software engineering. It equips students with the skills necessary to design, develop, test, and maintain high-quality, reliable software systems.
The curriculum:
- provides theoretical and practical application knowledge and skills;
- covers methodologies that drive the software engineering process; and
- teaches skills in high demand in the job market.
In addition to general application requirements, this program requires three letters of recommendation, a statement of purpose, and a resume.

Master of Science in Biomedical Engineering
The MS in biomedical engineering provides a foundation for a highly trained work force to become leaders who support economic development, industry, and academia.
In addition to course work, students must complete:
- a research-based thesis;
- a comprehensive defense of thesis proposal;
- a seminar based on thesis research; and
- a thesis defense.
In addition to general application requirements, this program requires two letters of recommendation and a statement of purpose.

Master of Science in Biomedical Sciences
This interdisciplinary program provides research and educational opportunities for students to master the principles of the biomedical sciences. Specific areas of research include:
- Arthritis
- Bacterial pathogenesis
- Bioenergetics
- Cancer
- Cardiovascular disease
In addition to general application requirements, this program requires two letters of recommendation and a statement of purpose.
Highlighted Degrees

**Master of Business Administration**
The MBA program provides valuable training in the theory and practice of business management. ECU’s AACSB-accredited College of Business offers a program that covers:
- Economics
- Marketing
- Accounting
- Finance
- Strategy
- Operations management
- Information technology management
- Supply chain management

In addition to general application requirements, this program requires a resume.

**Master of Science in Chemistry**
Students in this program gain valuable research skills by working closely with faculty research advisors. Many students pursue this degree as a step toward medical, dental, or pharmacy school. Benefits of the MS in chemistry include:
- Internship opportunities
- Excellent job prospects
- Extensive program interactions with industry

In addition to general application requirements, this program requires three letters of recommendation and a statement of intent.

**Master of Science in Computer Science**
This degree, geared toward students and professionals, is offered both on campus and online, and focuses on computing systems and computation. The program focuses on:
- Knowledge related to theories for understanding computing systems;
- Methods, design methodologies, algorithms, and tools used in software development;
- Methods of testing software;
- Methods of analysis and verification;
- Knowledge representation and implementation; and
- Ways of understanding what computing can and cannot do.

In addition to general application requirements, this program requires three letters of recommendation, a statement of purpose, and a resume.

**Master of Science in Quantitative Economics and Econometrics**
This program includes measures of theory and econometric technique. The core courses cover topics including:
- Neoclassical price and welfare theory
- Resource and environmental economics
- Related fields of applied microeconomics

In addition to general application requirements, this program requires three letters of recommendation and a statement of purpose.
Master of Science in Molecular Biology and Biotechnology
The MS in molecular biology and biotechnology program trains students for entry into doctoral level programs in biology and the health sciences, but the coursework is more heavily grounded in practical laboratory coursework emphasizing skills relevant to the biotechnology industry.
These courses include those that focus on:
- genetic engineering;
- protein biochemistry;
- cell culture technology;
- transgenic technology; and
- bioinformatics/genomics.
In addition to general application requirements, this program requires two letters of recommendation and a statement of purpose that includes a selection of a potential thesis advisor.

Master of Science in Network Technology
The MS in network technology is for students who hold a baccalaureate degree in network technology-oriented disciplines. Students can choose from among four concentrations:
- Computer networking management
- Digital communications technology
- Information security
- Web technologies
In addition to general application requirements, this program requires three letters of recommendation and a resume.

Master of Science in Physics
Students who want to pursue the MS in physics must apply and be admitted to one of three concentrations:
- Applied physics
- Health physics
- Medical physics (CAMPEP accredited)
In addition to general application requirements, this program requires three letters of recommendation, a curriculum vita, and a statement of purpose.

Master of Science in Technology Management
The mission of the MS program in technology management is to provide an advanced technology education geared toward the needs of our rapidly changing global economy.
The program aims to instill advanced problem-solving skills and technological decision-making capabilities through:
- analytical thinking;
- applied research;
- technology development; and
- productivity improvement.
In addition to general application requirements, this program requires three letters of recommendation, a statement of purpose, and a resume.
Student Life

At ECU, you’ll get a taste of what college life has to offer not only academically but also socially and culturally.

Student Organizations

ECU is home to more than 400 registered student organizations; the variety and diversity of the clubs and groups allow students to meet new people, learn new things, and cultivate their own interests.

Athletics

Whether you’re on the field playing intramural or club sports, or in the stands cheering on the Pirates as they compete as part of the American Athletic Conference, you’ll have the opportunity to experience collegiate-level athletics in the middle of it all. Visit www.ecupirates.com for more information on ECU’s rich athletic traditions.

International Student Association

The International Student Association (ISA) is open to all graduate and undergraduate students. Membership consists of international students who are visiting ECU for only one or two semesters, as well as American students attending ECU who are interested in learning about their classmates from around the world.

Past activities and events of ISA have included trips to the Outer Banks of North Carolina, participation in the Greenville International Festival, monthly cultural days celebrating one or two countries at a time, and ECU’s World Fest Holiday Celebration.
Life in Greenville
Just two hours’ drive from North Carolina’s state capital of Raleigh in one direction and the NC beaches in the other direction, Greenville is a hub of educational, medical, cultural, and economic activity. With a population of more than 90,000 people, there is plenty to explore on campus and beyond.

- Average temperature: 61 degrees F
- Average summer temperature: 84 degrees F
- Average winter temperature: 44 degrees F
- Average annual rainfall: 49 inches

Transportation
The ECU Transit bus system provides transportation on and off campus, and an easy ride between Main Campus and the Health Sciences Campus. Service is free for students, staff, and faculty. There is also a shuttle to Raleigh-Durham International Airport available for a fee.
The Greenville Area Transit (GREAT) bus system also has many stops around the city, offering affordable fares for a student’s budget.

Housing
Students have many housing options, both on and off campus.

- For information about living on campus, visit: [www.ecu.edu/campusliving](http://www.ecu.edu/campusliving)
- For off-campus housing resources, visit: [offcampushousing.ecu.edu](http://offcampushousing.ecu.edu)
Admission Information

The Graduate School requires that all applicants have a degree equivalent to a U.S. bachelor’s degree from a regionally accredited institution. Admission decisions are based on consideration of the undergraduate academic record, graduate academic record (if applicable), admission test scores, a written statement of purpose, and letters of recommendation. Each individual graduate program decides on the admissibility of their applicants.

Standard Application Requirements

An application to a program at the ECU Graduate School requires the following standard requirements. Each program may require different application materials. Please check the program website for the complete requirement list:

- Online application
- Application fee: $75
- Official transcript showing earned degree that is equivalent to a U.S. bachelor’s degree
- Official score report for entrance exam: GRE/GMAT/MAT
- Official TOEFL/IELTS score report
  - TOEFL requirement: iBT—total score of 78, with a minimum score of 18 on each section
  - IELTS requirement: 6.5
- Written statement of purpose
- Recommendation letters

Academic evaluations are encouraged to ensure that transcripts are interpreted accurately. An evaluation is not required for admission, but must be submitted upon acceptance to a program at ECU. If admitted, students are required to submit appropriate financial documentation.

Application Deadlines

Early application is encouraged particularly if you are interested in graduate assistantships. Please note that each program establishes their own application deadlines, which are posted on the Graduate School website.

Priority Deadlines

- Fall semester: February 1
- Spring semester: September 1
- Summer sessions: February 1

Contact Us

- Graduate School Admissions
  252-328-6013
  www.ecu.edu/gradschool

- Office of International Affairs
  252-328-1935
  www.ecu.edu/intlaffairs

- Tuition/Fees/Billing
  252-328-6886
  www.ecu.edu/cashier

- Housing/Off Campus and Community Living
  252-328-4663
  www.ecu.edu/campusliving; offcampushousing.ecu.edu

- Student Financial Aid
  252-328-6610
  www.ecu.edu/financial
Graduate Degrees

Below are the graduate and postgraduate degree programs offered at East Carolina University as of Spring 2017. For more detailed information about each program, or an updated list of programs, please visit the East Carolina University Graduate School catalog at catalog.ecu.edu.

Masters Degrees

- Accounting (MSA)
- Adult Education (MAEd)
- Anthropology (MA)
- Art (MFA)
- Art Education (MAEd)
- Biology (MS)
- Biomedical Engineering (MS)
- Biomedical Sciences (MS)
- Birth through Kindergarten Education (MAEd)
- Business Administration (MBA)
- Career and Technical Education (MAEd)
- Chemistry (MS)
- Clinical Counseling (MS)
- Communication (MA)
- Communication Sciences and Disorders (MS)
- Computer Science (MS)
- Construction Management (MCM)
- Counselor Education (MS)
- Criminal Justice (MS)
- Curriculum and Instruction (MAEd)
- Elementary Education (MAEd)
- English (MA)
- Environmental Health (MSEH)
- Geography (MS)
- Geology (MS)
- Health Education (MA)
- Health Education (MAEd)
- Health Informatics and Information Management (MS)
- History (MA)
- Human Development and Family Science (MS)
- Instructional Technology (MS)
- Instructional Technology Education (MAEd)
- International Studies (MA)
- Kinesiology (MS)
- Library Science (MLS)
- Maritime Studies (MA)
- Marriage and Family Therapy (MS)
- Mathematics (MA)
- Mathematics Education (MAEd)
- Middle Grades Education (MAEd)
- Molecular Biology and Biotechnology (MS)
- Music (MM)
- Music Education (MM)
- Network Technology (MS)
- Nursing (MSN)
- Nutrition (MS)
- Occupational Safety (MS)
- Occupational Therapy (MSOT)
- Physical Education (MAEd)
- Physician Assistant (MS)
- Physics (MS)
- Psychology, General-Theoretic (MA)
- Public Administration (MPA)
- Public Health (MPH)
- Quantitative Economics and Econometrics (MS)
- Reading Education (MAEd)
- Recreation Services and Interventions (MS)
- Rehabilitation and Career Counseling (MS)
- School Administration (MSA)
- School Psychology (MA/CAS)
- Science Education (MAEd)
- Security Studies (MS)
- Social Work (MSW)
- Sociology (MA)
- Software Engineering (MS)
- Special Education (MAEd)
- Sustainable Tourism and Hospitality (MS)
- Teaching (MAT)
- Technology Management (MS)

Doctoral Degrees

- Audiology (AuD)
- Bioenergetics and Exercise Science (PhD)
- Biomedical Physics (PhD)
- Biomedical Sciences - Anatomy and Cell Biology (PhD)
- Biomedical Sciences - Biochemistry and Molecular Biology (PhD)
- Biomedical Sciences - Microbiology and Immunology (PhD)
- Biomedical Sciences - Pharmacology and Toxicology (PhD)
- Biomedical Sciences - Physiology (PhD)
- Coastal Resources Management (PhD)
- Dental Medicine (DMD)
- Educational Leadership (EdD)
- Health Psychology (PhD)
- Interdisciplinary Biological Sciences (PhD)
- Medical Family Therapy (PhD)
- Medicine (MD)
- Nursing (PhD)
- Nursing Practice (DNP)
- Physical Therapy (DPT)
- Rehabilitation Counseling and Administration (PhD)
- Rehabilitation Sciences (PhD)
- Rhetoric, Writing, and Professional Communication (PhD)