



Mathematics & Computer Science

COLLEGE OF HEALTH & SCIENCES

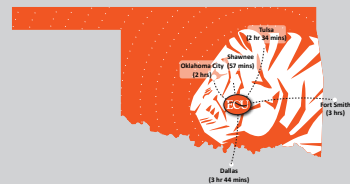
Careers with a Math & Computer Science Degree:

- Air Craft Design Engineers
- Applied Mathematicians
- Bankers
- Business Administrators
- Computer Programmers
- Database Administrators
- Database Developer
- Epidemiologists
- Meteorologists
- Network Engineers
- Physicians
- Pilots
- Scientific Programmers
- Software Developers
- Software Engineers
- Stockbrokers
- Surveyors
- Systems Analysts
- Teachers
- Web Developers
- ...and so much more!

\$how Me the Money!

Graduates with a Math or Computer Science degree typically earn between \$56,000 and \$95,000 for entry-level jobs. As a college graduate, you can earn an average of 75% more than those with only a high school degree, per

The Chicago Tribune!
(NACE 2021 Salary Report)



> Mathematics Program

The Mathematics program offers four concentrations which lead to a bachelor of science degree. The curriculum is flexible and can be adapted to a variety of student interests. After completing one of the three concentrations, program graduates typically enter the job market as applied mathematicians in business or industry, actuarial trainees, or certified teachers of secondary school mathematics. Some program graduates pursue study in graduate school leading to advanced degrees in Mathematics, Statistics, Computer Science, Finance or Management Science, while others elect to pursue further study in a professional school such as law or medicine.



Our faculty:

- are committed to your success;
- will develop and deliver programs and services that assist you;
- will promote learning that is rigorous and meaningful for you;
- will challenge you to aspire to your highest academic, social and career goals.

> Computer Science Program

The Computer Science program offered its first degree program in 1982. Since that time, the department has grown to more than 200 majors and a service enrollment of approximately 500 students each semester. The new online computer science program only adds to those numbers. (visit online.ecok.edu for more information)

Our program provides a solid education in all major areas of Computer Science with an emphasis on Software Engineering. Computer Science students generally complete a

Bachelor of Science degree in four years. Our graduates are typically employed by large companies who need skilled software design specialists to work on the cutting edge of the field.



Our Computer Science faculty are committed to the success of our students. We strive to insure a solid computer science education, a great college experience, and a bond that will forever tie you to ECU. Our Computer Science faculty are also academically active in scholarship and research.

East Central University
1100 E. 14th St.
Ada, Oklahoma 74820

www.ecok.edu/Math_CS
580-559-5620

Campus Tours:
ecok.edu/take-a-tour
580-559-5628
ecutiger@ecok.edu



Mathematics & Computer Science

> Degree Options



General Mathematics

The General Mathematics concentration provides preparation for the student who plans to enter a graduate program in mathematics. A student taking this concentration, in consultation with his or her advisor, should choose elective courses which meet the entrance requirements of the desired graduate program.

Teacher Certification in Mathematics

The Teacher Certification concentration, in conjunction with professional education courses, prepares students for teaching mathematics at the secondary level. Majors take courses in both education, mathematics, and mathematics education. Curriculum emphasizes pedagogy, technology, diversity, and current trends in education.



Data Science

The Data Science concentration is for students interested in applying mathematics, statistics, and computer science to a wide range of business problems. With a broader focus, students in this concentration will be prepared to work in a variety of industries.

Applied Mathematics/Pre-Actuary

The Applied Mathematics/Pre-Actuary concentration prepares students for entry into the job market as an applied mathematician or actuarial trainee, for a career in finance, or for entry into a graduate program in applied mathematics, actuarial science, statistics, finance, or quantitative management science.

Computer Science

The Computer Science degree program prepares students for a career in the world of technology. Both online and in-seat options for majors of this program. Lucrative salaries and opportunities to work on interesting and challenging projects are the rewards which await those who choose the Computer Science major. Technology touches essentially every aspect of life. Students have access to a powerful Linux-based mainframe as well as the University computer network. Majors have access to both labs and 24/7 remote access. The curriculum is designed using guidelines published by the Association of Computing Machinery (ACM). Courses provide students excellent training in the scientific and technical areas of computing and the preparation necessary to pursue graduate work in this field. The course of study is mathematical in nature with emphasis on software engineering.



Mathematics & Computer Science

Dean: Dr. Ken Andrews,
College of Health and Sciences
Chair: Dr. Andrew Wells
Degree: Bachelor of Science
Concentrations: 5
Minor: 2
Faculty: 10 full-time & 1 part-time
Organizations: 3
Scholarships: 17
Location: 207 Science Hall



ECU at a Glance

Undergraduate Enrollment: 3,000
Undergraduate Majors: 70+
Student to Faculty Ratio: 13 to 1
Average Class Size: 22
Faculty with PhDs: 65%
States Represented: 28
Countries Represented: 30+
Year Founded: 1909
Campus Size: 140 Acres
Area Location: Ada, Oklahoma



Tiger Spirit

Mascot: Roary the Tiger
School Colors: Orange & Black
Student Organizations: 60+
Athletics: NCAA Division II

Men's:	Football Baseball Basketball	Cross Country Track & Field
Women's:	Basketball Volleyball Softball	Soccer Cross Country Track & Field

We educate and empower students to understand and transform our world.

East Central University, in compliance with Title VI and Title VII of the Civil Rights Act of 1964 (as amended), Executive Order 11246 (as amended), Title IX of the Education Amendments of 1972, Sections 503 and 504 of the Rehabilitation Act of 1973 (as amended), the Americans With Disabilities Act of 1990, the Civil Rights Act of 1991, and other federal and state laws, does not discriminate on the basis of race, color, national origin, sex, age, religion, disability, sexual orientation or status as a veteran in any of its policies, practices or procedures. This includes, but is not limited to, admissions, employment, financial aid, and education services. This publication is printed and issued by East Central University as authorized by Title 70 OS 1981, Section 3903. 500 copies have been prepared and distributed at a cost of \$200.00. Copies have been deposited with the Publications Clearinghouse of the Oklahoma Department of Libraries in compliance with Section 3-114 of Title 65 of the Oklahoma Statutes. 08/2021