ECU MATHEMATICS & COMPUTER SCIENCE

COLLEGE OF HEALTH & SCIENCES

Careers with a Math & Computer Science Degree:

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

> 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 mathematicians. Some program graduates pursue study in graduate school leading to advanced degrees in Mathematics, Statistics, Computer Science, Financial or Management Science, while others elect to pursue further study in a professional school such as law or medicine. Our faculty:
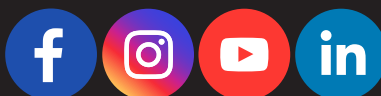
- are committed to your success;
- will develop and deliver programs and services that assist you;
- will promote learning that is rigorous and meaningful for you;
- will challenge you to aspire your highest academic, social, and career goals.

> 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.

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 service 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
ECU
EST. 1909 ~ ADA, OKLAHOMA

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.
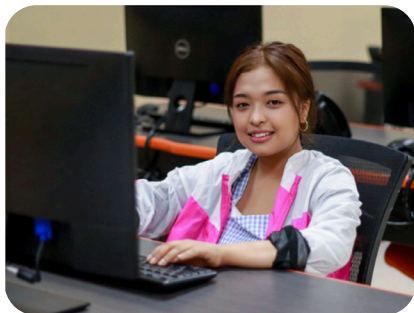
Data Science

The Data Science concentration is for students interest 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 a 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
Chair: Dr. Andrew Wells
Degree: Bachelor of Science
Concentrations: 5
Minors: 2
Faculty: 10 full-time & 1 part-time
Organizations: 3
Scholarships: 17
Location: 207 Science Hall

ECU at a Glance

Undergraduate Enrollment: 2,800
Undergraduate Majors: 60+
Student to Faculty Ratio: 17 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
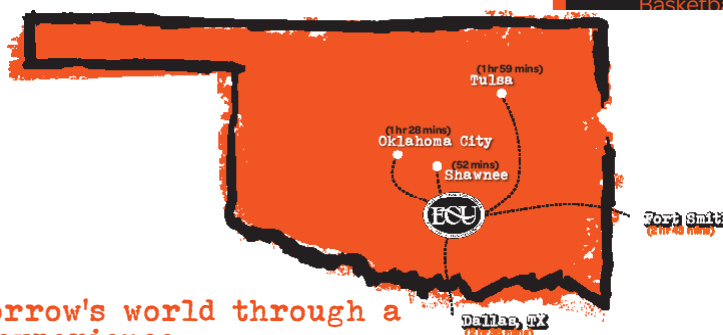**School Colors:** Orange & Black
Student Organizations: 35+
Athletics: NCAA Division II

Men's:
Football
Baseball
Basketball
...try
...ld

Women's:
Basketball
Volleyball
Softball
Soccer
Cross Country
Track & Field
Golf

(1 hr 59 mins)
Tulsa

(1 hr 28 mins)
Oklahoma City

(52 mins)
Shawnee

ECU

Fort Smith

Dallas, TX

To prepare students for tomorrow's world through a dynamic & diverse learning experience.