COMPUTER SCIENCE

OC.EDU

OKLAHOMA CHRISTIAN UNIVERSITY

PROGRAMS

COMPUTER SCIENCE

COMPUTER SCIENCE WITH ARTIFICIAL INTELLIGENCE EMPHASIS

COMPUTER SCIENCE WITH BUSINESS EMPHASIS

COMPUTER SCIENCE WITH CYBERSECURITY EMPHASIS

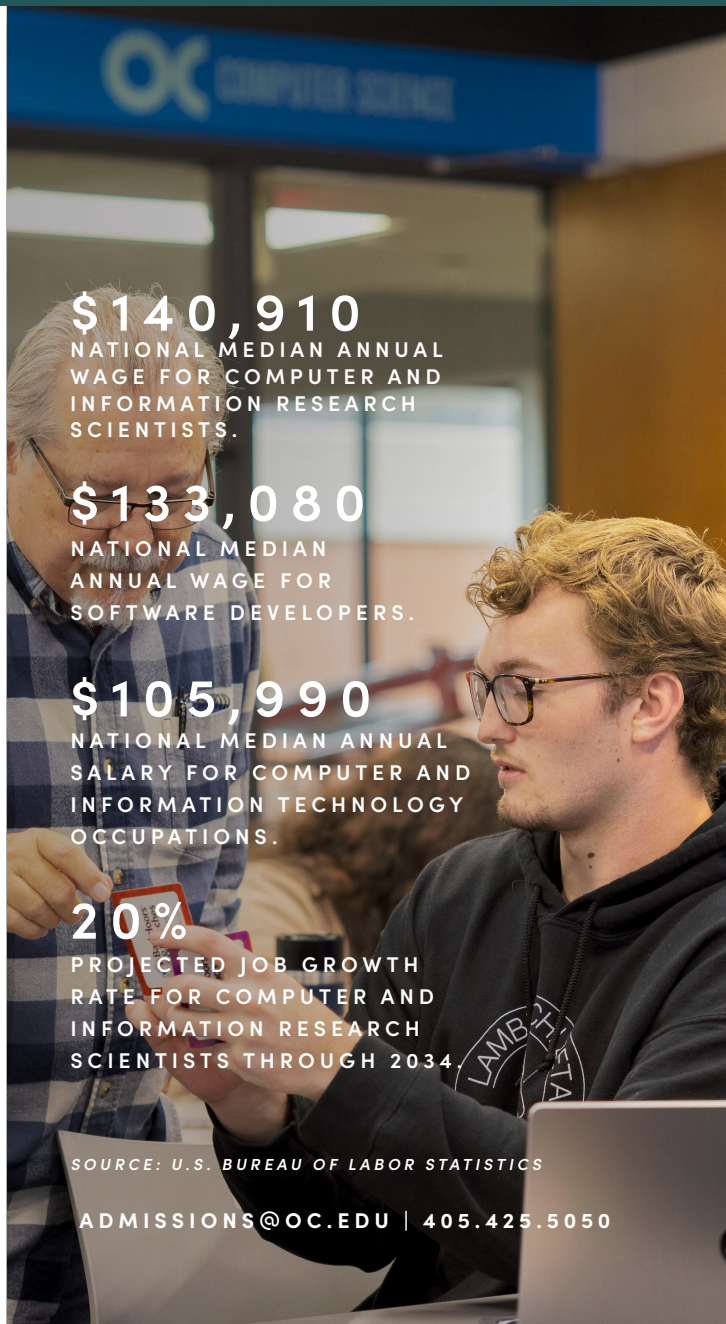
COMPUTER SCIENCE WITH GAMING & ANIMATION EMPHASIS

DESIGN THE FUTURE OF TECHNOLOGY

Oklahoma Christian University's Computer Science Program prepares you for a variety of careers, solving complex problems and creating solutions that make a difference. You'll build a strong foundation in programming, software development, artificial intelligence (AI), cybersecurity and data science while developing technical and analytical skills. Courses are infused with AI and taught by faculty with real industry experience. You'll spend meaningful time designing, programming, testing and refining software while applying what you learn in the classroom. You'll graduate prepared for careers in software development, artificial intelligence, cybersecurity or graduate school.

GRADUATES OF THE COMPUTER SCIENCE PROGRAMS

- Solve complex problems using computer science principles.
- Apply a Christian worldview in the practice of computer science.
- Prepare for careers and/or vocations using computer science.
- Understand, use and apply AI to problems.



$140,910
NATIONAL MEDIAN ANNUAL WAGE FOR COMPUTER AND INFORMATION RESEARCH SCIENTISTS.

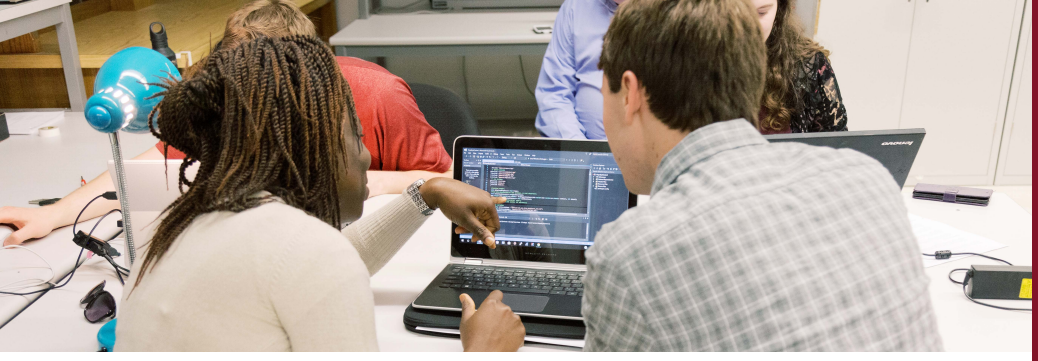
$133,080
NATIONAL MEDIAN ANNUAL WAGE FOR SOFTWARE DEVELOPERS.

$105,990
NATIONAL MEDIAN ANNUAL SALARY FOR COMPUTER AND INFORMATION TECHNOLOGY OCCUPATIONS.

20%
PROJECTED JOB GROWTH RATE FOR COMPUTER AND INFORMATION RESEARCH SCIENTISTS THROUGH 2034.

SOURCE: U.S. BUREAU OF LABOR STATISTICS

ADMISSIONS@OC.EDU | 405.425.5050



CLASSES

COMPUTER SCIENCE CORE

- Programming I & II
- Software Engineering I-V
- Computer Science Team Experience I & II
- Object-Oriented Programming
- Internet Application Development
- Data Structures and Algorithm Analysis
- Assembly Language
- Computer Organization and Architecture
- Database Systems
- Operating Systems
- Programming Languages

BUSINESS EMPHASIS

- Accounting I & II
- Macroeconomics
- Financial Management
- Management Information Systems
- Principles of Management
- Principles of Marketing

CYBERSECURITY EMPHASIS

- Network Engineering
- Introduction to Cybersecurity
- Network Security
- Cloud Architecture and Security
- Network Forensics

GAMING + ANIMATION EMPHASIS

- Introduction to Game Technology
- 3D Modeling I
- Team Game Production I
- Game Programming - Unity
- Game Programming - Unreal

ARTIFICIAL INTELLIGENCE EMPHASIS

- AI Technologies
- Robotics and IOT
- Artificial Intelligence
- Machine Learning
- Large Language Models

WHERE CAN THESE DEGREES TAKE YOU?

SOFTWARE & PROGRAMMING

- Software Developer
- Software Engineer
- Mobile App Developer
- Web Developer
- Cloud Developer

DATA & TECHNOLOGY

- Data Analyst
- DevOps Engineer
- Systems Engineer
- Cloud Solutions Engineer

ARTIFICIAL INTELLIGENCE

- Artificial Intelligence Engineer
- Machine Learning Engineer
- AI Developer
- AI Solutions Architect

CYBERSECURITY

- Cybersecurity Analyst
- Ethical Hacker
- Digital Forensics Analyst
- Network Security Engineer
- Cyber Operations Specialist

GAMING & ANIMATION

- Game Developer
- Gameplay Programmer
- Virtual Reality (VR) Developer
- Augmented Reality (AR) Developer

BUSINESS

- Business Systems Analyst
- Product Manager
- IT Project Manager
- Digital Transformation Specialist

**SOME CAREERS LISTED MAY REQUIRE ADDITIONAL PROFESSIONAL EXPERIENCE AND/OR EDUCATION.*

SCAN TO LEARN MORE

WHY OC? WHY OKC?

At OC, Computer Science students can customize their degree through emphasis areas in Artificial Intelligence, Business, Cybersecurity or Gaming & Animation. Located just 10 minutes from Oklahoma City, our campus provides access to internships, industry partnerships and career opportunities in software development, cybersecurity, AI, data science, game development and emerging technologies.

4
EMPHASIS AREAS TO CUSTOMIZE YOUR DEGREE.

$94,000
AVERAGE OKLAHOMA INFORMATION SECURITY ANALYST SALARY (CYBERSECURITY).*

$99,780
AVERAGE OKLAHOMA COMPUTER PROGRAMMER SALARY.*

5 WEB-BASED SOFTWARE SYSTEMS
DESIGNED AND BUILT BY COMPUTER SCIENCE SENIORS IN PRODUCTION AND BEING USED BY OC STUDENTS, FACULTY AND STAFF ON THE OC CAMPUS.

*SOURCE: *O*NET ONLINE*

WHERE SOME OF OUR ALUMNI ARE WORKING

- Hobby Lobby
- Integris Health
- Northrop Grumman
- Paycom
- Phase2
- TapTapEat
- Textron
- The Boeing Company
- Tinker Air Force Base

DAVID NORTH
ASSOCIATE PROFESSOR OF COMPUTER SCIENCE
CHAIR, COMPUTER SCIENCE