





Computer Science

Ed Carr Department of Computer Science North Carolina A&T State University carre@acm.org



Computer Science

Degree Programs

- Undergraduate
 - B.S. Computer Science 200
 - 30% Female
- Graduate
 - M.S. Computer Science 50
 - 40% Female
 - Ph.D. 15

Departmental Personnel

- Faculty
 - 12 Tenured/Tenure-track, 1 Vacancy
 - 2 Non-Tenure Track
- Staff (2)



New Developments:

- Scholarship for Service
 - \$4k/month for 9 months
 - \$1000/wk for 10wks in the Summer
 - Total: \$46,000
- Sandia National Laboratories CENC ML/ATR (\$202K 8- month contract)
 - Total student support approximately **\$51K**
- NNSA Cybersecurity Consortium (\$1M)
 - Total student support **\$55K** per academic year



Industrial Advisory Board

- New Relic
- NetApp
- CISCO
- Google
- Bank of America
- Eli Lilly
- Lockheed Martin
- Northrup Grumman



Recent Graduates at Work

- Government: CIA, FBI, NSA, NNSA, USAF, UNC-Ch, SNL (Post Doc)
- Private: IBM, CISCO, MITRE, FireEye,Northrup Grumman, Lockheed Martin, Credit Swiss, Red Hat, Eli Lilly, Goldman Sacs …

Computer Science Ph.D. Program North Carolina A&T State University



North Carolina Agricultural and Technical State University

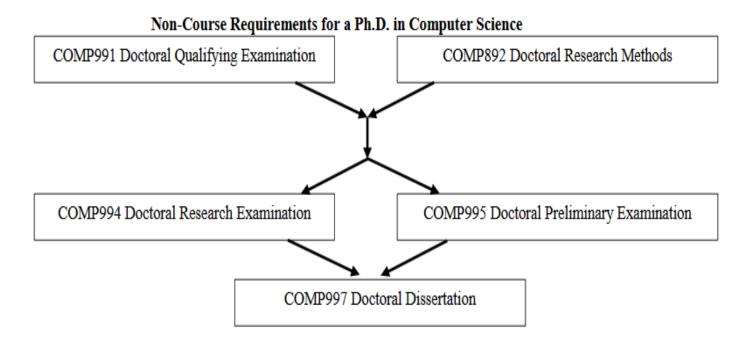


Doctor of Philosophy in Computer Science

- Earned by the completion of required course work, research and dissertation.
- Students must specialize in one of the research areas (Software Engineering, Secure Software Engineering, Cyber Security, Artificial Intelligence, others)
- Meet all requirements for Ph.D. in CS (Non-Course Requirements)



Non-Course Requirements





Admission to Ph.D. Program

Requirements:

Option 1:

- Master of Science in CS with GPA of at least 3.25
- GRE: verbal score 450 (150 new scale) and quantitative score 700 (155 new scale)

Option 2:

- B.S. in CS with GPA of at least 3.5
- GRE verbal score of 500 (153 new scale) and quantitative score of 750 (159 new scale)



Current Research

- Computational Framework for Identity
- Extending the Use of WebIDs
- Author Identification
- Web Client Identification
- Cyber Threat Identification
- Malware and Forensics
- Distributed Systems
- Data Analytics



Dr. Albert C. Esterline



- Computational Framework for Identity
- Extending the Use of WebIDs
- Identity Theory
- Multagent Systems
- Concurrency



Dr. Kaushik Roy



- Author Identification
- Mitigating Replay Attacks
- Biometrics
- Big Data



Dr. Xiaohong Yuan Chair



- Web Client Identification
- Cyber Threat Identification
- Information assurance
- Director of The Center for Cyber Defense



Grants

- A&T is ranked third among UNC system in acquiring grant funding
- Our department has been awarded recently grants from Department Of Defense, National Science Foundation, National Aeronautics and Space Administration, Naval Oceanographic Office, U.S. Air Force, and others...





North Carolina A&T State University Computer Science

Thank You!!!