BACHELOR OF SCIENCE IN COMPUTER SCIENCE (CYBERSECURITY)

Web Site: https://twu.edu/computer-science/degree-programs/cybersecurity/

Marketable Skills

Marketable skills prepare students for success in a variety of professional settings. Developed through academic coursework, co-curricular engagement, and extracurricular involvement, these skills include communication, critical thinking, teamwork, ethical reasoning, adaptability, and digital literacy. Whether directly related to a student's major or serving as complementary strengths, marketable skills enhance career readiness and reflect TWU's commitment to producing graduates who are prepared to thrive in today's dynamic workforce.

1. Work effectively as a member of a project team to coordinate database and project development, determine project scope and limitations, critically analyze issues, and solve problems.
2. Develop and implement procedures for data management, data storage and retrieval, evaluating data quality, data security, data transfer, data analysis, modeling, and visualization.
3. Plan, coordinate, and implement security measures to safeguard information in computer files against accidental or unauthorized damage, modification, or disclosure.
4. Design, create, and administer a computer network.
5. Create web-based applications to acquire, present, and deliver data to customers.
6. Demonstrate personal accountability and work habits, integrity, and ethical behavior.
7. Proficient in the software tools to achieve the skills listed, including but not limited to Java, Python, Perl, SQL, NoSQL, R, HTML, JavaScript, PHP, SAS, SPSS, and modeling software.