

BACHELOR OF SCIENCE IN HEALTH INFORMATICS (CLINICAL APPLICATIONS MINOR)

Web Site: <https://twu.edu/informatics/undergraduate-programs/>

Marketable Skills

Defined by the Texas Higher Education Coordinating Board's 60x30 Strategic Plan (<https://reportcenter.highered.texas.gov/agency-publication/miscellaneous/thecb-60x30-strategic-plan/>) as, "Those skills valued by employers that can be applied in a variety of work settings, including interpersonal, cognitive, and applied skills areas. These skills can be either primary or complementary to a major and are acquired by students through education, including curricular, co-curricular, and extracurricular activities."

1. Apply knowledge of computer science, information science, nursing, health sciences and informatics theory to nursing practice, education, healthcare administration, or research, in collaboration with other health informatics specialists.
2. Work effectively as a member of an inter-professional project team to coordinate database and project development, determine project scope and limitations, critically analyze issues, and solve problems.
3. Design and validate clinical/healthcare databases, including designing and testing logic checks.
4. Plan, coordinate, and implement security measures to safeguard information in computer files against accidental or unauthorized damage, modification or disclosure.
5. Prepare reports or correspondence concerning project specifications, activities, or status.
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, Microsoft Project, Microsoft Visio, Tableau, SAS, SPSS, modeling software.