

BACHELOR OF SCIENCE IN HEALTH INFORMATICS (HEALTH STUDIES 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/theccb-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."

- a. 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.
- b. 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.
- c. Design and validate clinical/healthcare databases, including designing and testing logic checks.
- d. Plan, coordinate, and implement security measures to safeguard information in computer files against accidental or unauthorized damage, modification, or disclosure.
- e. Prepare reports or correspondence concerning project specifications, activities, or status.
- f. Demonstrate personal accountability and work habits, integrity, and ethical behavior.
- g. 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.