DIVISION OF COMPUTER SCIENCE

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The Division of Computer Science (https://twu.edu/computer-science/) provides programs that culminate in the awarding of Bachelor of Science and Master of Science degrees.

Undergraduate Degrees Offered

- Minors (https://catalog.twu.edu/undergraduate/arts-sciences/computer-science/minors/)
- B.S. in Computer Science (https://catalog.twu.edu/undergraduate/arts-sciences/computer-science/computer-science-bs/)
- B.S. in Computer Science (Cyber Security) (https://catalog.twu.edu/undergraduate/arts-sciences/computer-science/computer-science-bs-cyber-security/)
- B.S. in Health Informatics (Clinical Applications) (https://catalog.twu.edu/undergraduate/arts-sciences/computer-science/health-informatics-bs-clinical/)
- B.S. in Health Informatics (Health Studies) (https://catalog.twu.edu/undergraduate/arts-sciences/computer-science/health-informatics-bs-health-studies/)
- B.S. in Data Science & Informatics (Community Informatics) (https://catalog.twu.edu/undergraduate/arts-sciences/computer-science/informatics-bs-community-informatics/)
- B.S. in Data Science & Informatics (Data Science) (https://catalog.twu.edu/undergraduate/arts-sciences/computer-science/informatics-bs-data-science/)
- Accelerated B.S. in Data Science & Informatics (Data Science) / M.S. in Data Science & Informatics (Data Science) (https://catalog.twu.edu/undergraduate/arts-sciences/computer-science/accelerated-informatics-bs-data-science-ms/)

Computer Science

The baccalaureate program in Computer Science or the dedicated program in Computer Science with a Cybersecurity emphasis is intended to prepare the student for further work in computer science at the graduate level, for employment as a computer scientist, or for employment in a computer science-related area in industry or government.

Data Science and Informatics

The baccalaureate program in Data Science and Informatics and the program in Health Informatics prepare students for graduate study in Data Science and Informatics-related disciplines or for employment in high-demand areas such as data analytics, business, and healthcare informatics. With an adaptable, interdisciplinary, and inter-professional approach, the two programs are offered in a hybrid learning environment. The program is delivered collaboratively by academic components, including Computer Science, Nursing, Health Studies, Kinesiology, and Library and Information Studies.

Special Requirements

Students seeking a baccalaureate in Computer Science must complete a minor of at least 18 semester credit hours, including a minimum of 6 upper-division credits. Within this academic framework, two equally rigorous paths are available: a general minor drawn from any of the university's offerings, or a dedicated Cybersecurity track that integrates specialized cybersecurity coursework with the foundational Computer Science curriculum. Within an academic framework that emphasizes scholarly excellence and diverse specialization, Data Science and Informatics majors choose from three distinct minor tracks-Data Science, Cybersecurity, or Community Informatics. Similarly, Health Informatics majors enhance their study by selecting a minor in either Clinical Applications or Health Studies.

Only courses in which a grade of C or higher is received may be counted as part of a Computer Science, Data Science and Informatics, or Health Informatics major/minor.