

# BACHELOR OF SCIENCE IN INFORMATICS (DATA SCIENCE MINOR)

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

## Recommended Plan of Study

### First Year

Fall	TCCN	SCHs
CSCI 1421 Programming Fundamentals I - Laboratory		1
CSCI 1423 Programming Fundamentals I	COSC 1436	3
CSCI 1513 Introduction to Informatics		3
ENG 1013 Composition I	ENGL 1301	3
HIST 1013 History of the United States, 1492-1865	HIST 1301	3
MATH 1703 Elementary Statistics I (Recommended Core)	MATH 1342	3
UNIV 1231 Learning Frameworks: The First Year Experience	EDUC 1100, EDUC 1200, EDUC 1300	1
SCHs		17

Spring	TCCN	SCHs
CSCI 2493 Programming Fundamentals II	COSC 1437	3
ENG 1023 Composition II	ENGL 1302	3
HIST 1023 History of the United States, 1865 to the Present	HIST 1302	3
MATH 1713 Elementary Statistics II		3
Creative Arts Core		3
SCHs		15

### Second Year

Fall	TCCN	SCHs
CSCI 3053 Data Structures		3
MATH 1013 Financial and Quantitative Literacy (Recommended Core CAO)	MATH 1332	3
NURS 2213 Introduction to Health Informatics		3
POLS 2013 U.S. National Government	GOVT 2305	3
Life/Physical Sciences Core		3
SCHs		15

Spring	TCCN	SCHs
CSCI 3513 Information Systems Project Management		3
POLS 2023 Texas Government	GOVT 2306	3
Multicultural Women's Studies (CAO) Core		3
Life/Physical Sciences Core		3
Language, Philosophy, & Culture Core		3
SCHs		15

### Third Year

Fall	TCCN	SCHs
CSCI 3423 Database Management		3
CSCI 3603 Foundations of Data Science		3

LS 3053 Interdisciplinary Information Retrieval		3
Social & Behavioral Science Core		3
Minor Course		3
SCHs		15

Spring	TCCN	SCHs
CSCI 3703 Interface Design and Development		3
Elective (Upper-Level Major Discipline)		3
Minor Course		3
Minor Course		3
Elective (Upper Level)		3
SCHs		15

### Fourth Year

Fall	TCCN	SCHs
CSCI 4313 Networking and Data Communication		3
HS 3383 Legal and Ethical Issues in Health Informatics		3
Minor Course		3
Minor Course (Upper Level)		3
Elective (Global Perspectives course)		3
SCHs		15

Spring	TCCN	SCHs
CSCI 4923 Capstone in Interprofessional Informatics		3
Minor Course (Upper Level)		3
Elective (Upper Level)		3
Elective		3
Elective		1
SCHs		13

Total SCHs: 120