NDSU COMPUTER SCIENCE
BACHELOR OF SCIENCE DEGREE FLOW CHART
2021-22

Flow of Prerequisities

* Choose One

\# Number of Credits

Fall Spring — Semester Offered

DATA SCIENCE TRACK

MATH **103**

MATH **105**

CSCI **160** — 4
COMPUTER SCIENCE I
Fall Spring

MATH **129** — 3
BASIC LINEAR ALGEBRA
Fall Spring

CSCI **161** — 4
COMPUTER SCIENCE II
Fall Spring

CSCI **213** — 3
MODERN SOFTWARE DEVELOPMENT
Fall

MATH **165** — 4
CALCULUS I
Fall Spring

CSCI **222** — 3
DISCRETE MATHEMATICS
Fall Spring

CSCI **313** — 3
SOFTWARE DEVLOPMENT W/FRAMEWORKS
Spring

CSCI **374** — 3
COMPUTER ORGANIZATION & ARCHITECTURE
Fall Spring

CSCI **474** — 3
OPERATING SYSTEMS CONCEPTS
Fall Spring

MATH **166** — 4
CALCULUS II
Fall Spring

CSCI **336** — 3
THEORETICAL COMPUTER SCIENCE II
Fall Spring

CSCI **366** — 3
DATABASE SYSTEMS
Fall Spring

CSCI **445** — 3
SOFTWARE PROJECTS CAPSTONE
Spring

STAT **367** — 3
PROBABILITY
Fall

CSCI **372** — 3
COMPARATIVE PROGRAMMING LANGUAGES
Fall Spring

CSCI **455** — 3
NETWORKING & PARALLEL COMPUTATION
Fall Spring

STAT **368** — 3
STATISTICS
Spring

CSCI **467** — 3
ALGORITHM ANALYSIS
Spring

CSCI **489** — 3
SOCIAL IMPLICATIONS OF COMPUTERS
Fall

STUDENTS NEED TO TAKE AN ADDITIONAL **9 CREDITS OF CSCI ELECTIVES** NUMBERED **CSCI 420-429, CSCI 450, CSCI 479, STAT 461-463, STAT 467** OR **STAT 471**, AS WELL AS ALL GEN ED REQUIREMENTS TO COMPLETE THEIR B.S. DEGREE