Early-Entry Pathway

Welcome to North Dakota State University's Early-Entry Pathways program.

COMPUTER SCIENCE

If you are interested in a degree in computer science, you can take early-entry courses to get started on your degree. Early-entry courses listed meet the requirements or electives of this major. These courses may be used to meet your general education requirements as well. We suggest you also review the list of recommended general education courses.

Computer Applications
CSCI 114 | 3 credits
General Education Category: S

General introduction to computer concepts, operating systems, the internet, word processing, spreadsheets, database management, and presentation software. Credit awarded only for CSCI 114 or CSCI/MIS/TL 116, not both.

Business Software Applications
TL 116 | 3 credits
General Education Category: S

Instruction on the use of popular spreadsheet and database software applications including how and when to apply the features of these types of applications to address a variety of business problems. Content emphasizes leveraging widely used business tools via hands-on activities. Credit will be awarded only for TL 116, MIS 116, CSCI 114, or CSCI 116 but not more than one.

Computer Science Problem Solving
CSCI 159 | 3 credits
General Education Category: R

Computer-based problem solving techniques are introduced in the context of the Internet, including web-site development. Programming concepts, data structures and algorithms, as well as modeling techniques are discussed.

Introduction to Web Design
COMM 260 | 3 credits
General Education Category: Does not meet NDSU's general education requirements.

This course aims to orient students to Web concepts, design, presentation, and evaluation. Prereq: CSCI 114, TL 116 or CSCI 160.

Calculus I
MATH 165 | 4 credits
General Education Category: R

Limits, continuity, differentiation, Mean Value Theorem, integration, Fundamental Theorem of Calculus and applications. Prereq: MATH 105, MATH 107 or placement.

Introductory Statistics
STATS 330 | 3 credits
General Education Category: Does not meet NDSU's general education requirements.

Frequency tables, histograms, probability, well-known probability distributions, one and two sample tests of hypotheses, confidence intervals, and contingency tables. Prereq: Algebra 2, MATH 103, MATH 104 or MATH 107 or Math placement into MATH 105, MATH 146 or MATH 165.

College Composition I
ENGL 110 | 3 credits
General Education Category: C

Guided practice in the reading and writing of various genres for different situations and audiences. Includes research on the web and in the library. Prereq: English placement.

College Composition II
ENGL 120 | 3 credits
General Education Category: C

Advanced practice in reading and writing of various genres for different situations and audiences. Includes field research, collaboration, and visual communication. Prereq: ENGL 110 or placement.

Fundamentals of Public Speaking
COMM 110 | 3 credits
General Education Category: C

Theory and practice of public speaking with emphasis on content, organization, language, delivery, and critical evaluation of messages.

NOTES

View all pathway guides & a general education guide at >>
bit.ly/EE_pathways_guides.