NDSU | OFFICE OF TEACHING AND LEARNING

Early-Entry Pathway

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

FUNDAMENTALS OF COMPUTING & SECURITY CERTIFICATE - A CYBERSECURITY DEGREE STACKABLE CERTIFICATE

If you are interested in a degree in cybersecurity, you can take early-entry courses to get started on your degree and work toward completing the first in a series of stackable certificates. 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 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 Cybersecurity

CSCI 105 | 3 credits
General Education Category: Does not meet NDSU's general education requirements.

This course provides the foundation for understanding key issues faced and measures associated with protecting computer systems, networks, and information assets from cyber threats. Students also gain knowledge of the social, legal, ethical, and privacy implications of cybersecurity.

Computing Fundamentals in Python I

CSCI 227 | 3 credits
General Education Category: Does not meet NDSU's general education requirements.

Introduction to programming concepts, with focus on flow control, basic data structures, and functions. The course is the first in a three-course sequence using the Python programming language. Prereq: MATH 103 or MATH 107.

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**.

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