# COMPUTER PROGRAMMING COGNATE

https://ceps.unh.edu/computer-science/program/cognate/computer-programming

## Description

The Cognate in Programming is designed so that students who wish to go beyond an introductory computer programming course are able to meet the challenges that technology imposes.

This cognate is for UNH students who are interested in acquiring skills beyond just a basic programming language. This cognate would be an alternative to students who are not going to pursue a minor in Computer Science or Information Technology but still want to have the opportunity to partake a coherent, if short, curriculum that gives them a foundation to participate in programming activities as applicable to their technical areas.

## Requirements

The cognate consists of three courses in total, with one required course and two courses selected from four different sequence options. The Cognate will appear on each student's transcript.

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>IT 403</td>
<td>Introduction to Internet Technologies</td>
<td>4</td>
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Select one of the following two-course sequences:

**Sequence one**
- CS 415  Introduction to Computer Science I
- CS 416  Introduction to Computer Science II
- or IT 505  Integrative Programming

**Sequence two**
- CS 414  From Problems to Algorithms to Programs
- CS 417  From Programs to Computer Science
- or IT 505  Integrative Programming

**Sequence three**
- CS 410P  Introduction to Scientific Programming/Python
- or CS 410C  Introduction to Scientific Programming/C
- CS 417  From Programs to Computer Science
- or IT 505  Integrative Programming

**Sequence four**
- CS 405  Introduction to Applications Programming
- IT 505  Integrative Programming