

INFORMATION TECHNOLOGY COGNATE

<https://ceps.unh.edu/computer-science/program/cognate/information-technology>

Description

The Toolbox Cognate in Information Technology is designed to provide students with knowledge and skills required by essentially any job today.

With introductory level options, including courses from outside the department, the cognate is of value to students who wish to get a firm foundation in areas related to computing and information technology. The cognate also gives students considering study of Information Technology or Computer Science an opportunity to sample a broad range of courses in the field.

The Cognate will appear on each student's transcript.

Requirements

Credit toward the cognate will only be given for courses passed with C- or better, and a 2.00 grade-point average must be maintained in courses for the cognate. Courses taken on a pass/fail basis may not be used for the cognate.

Students need to complete a [certification of completion of cognate form](#) at the beginning of their final semester.

The cognate consists of selecting three courses (12 credits total) from the below. No more than two courses may be taken from the same category. Note: some courses may have prerequisites.

Code	Title	Credits
Web Courses		
IT 403	Introduction to Internet Technologies	4
IT 502	Intermediate Web Design	4
Computing/Programming Courses		
CS 410C or CS 410P	Introduction to Scientific Programming/C Introduction to Scientific Programming/Python	4
MATH 445	Mathematics and Applications with MATLAB	4
IT 505	Integrative Programming	4
IT 520	Foundations of Information Technology	4
Statistics Courses		
MATH 439	Statistical Discovery for Everyone	4
MATH 539	Introduction to Statistical Analysis	4