

810 COMPUTER SCIENCE

810:021 Computing Skills and Concepts - 3 hrs.
Introduction to computers and how they work in the modern world.
No programming required.

01 9:00 MWF Barr ITT 28

810:023 Microcomputer Systems - 3 hrs.
Prerequisite(s): 810:022 or any one-semester programming course.
This course is part of the Computer Applications certificate.

01 9:30-10:45 TTh Jacobson ITT 322

810:025 Computational Modeling and Simulation - 3 hrs.
No programming required. This course counts for credit in LAC
Category 1C Quantitative Techniques and Understanding.

01 11:00-12:15 TTh Staff ITT 328
02 5:30-6:45 TTh Jacobson ITT 322

810:030 Visual BASIC Programming - 3 hrs.

01 1:00 MWF Holmes ITT 28
02 5:00-6:15 MW Staff ITT 322

810:036 C/C++ Programming - 3 hrs.
For non-majors.

01 12:00 MWF O'Kane ITT 328

810:041 Computer Organization - 3 hrs.

01 2:00 MWF O'Kane ITT 328

810:051 Introduction to Computing - 4 hrs.
Intended for majors and minors.
Substitutes for 810:061 Computer Science I.

01 11:00-12:15 TTh Fienup ITT 322
+ 10:00-11:50 W lab Fienup WRT 112

810:052 Data Structures - 4 hrs.
Prerequisite(s): 810:051. Prerequisite(s) or corequisite(s):
810:080. Substitutes for 810:063 Computer Science III.

01	8:00-9:15	TTh	Fienup	ITT 322
	+ 8:00-9:50	W lab	Fienup	WRT 112
02	9:00	MWF	McCormick	ITT 328
	+ 10:00-11:50	Th lab	McCormick	WRT 112

810:053 Intermediate Computing - 3 hrs.
Prerequisite(s): 810:051; 810:052; 810:080.
Substitutes for 810:062 Computer Science II.

01	12:00	MWF	Schafer	ITT 322
----	-------	-----	---------	---------

810:059 Web Development: Server-Side Coding - 3 hrs.
Prerequisite(s): a programming course; familiarity with HTML
and CSS. Uses PHP and databases to build interactive web sites.

??	9:00	MWF	East	ITT 322
----	------	-----	------	---------

810:059 Media Computation - 3 hrs.
Introduction to representing and transforming digital media,
such as images, sound and video. No programming experience
required. Of special interest to students majoring in
Communications, Graphic Communications, Art, Music, and
other humanities disciplines.

??	10:00	MWF	Schafer	ITT 322
----	-------	-----	---------	---------

810:080 Discrete Structures - 3 hrs.
Prerequisite(s): 810:030, 810:036, or 810:051.

01	11:00	MWF	McCormick	ITT 328
02	12:30-1:45	TTh	Poleksic	ITT 328

810:088 Topics in Computing: Visual Effects, Animation, and Motion Graphics
- 3 hrs.

Adobe After Effects and Flash, principles of digital compositing,
and special effects for film, video and web.
No experience required. May be repeated on different topic.

??	11:00	MWF	Jacobson	Lang 213
----	-------	-----	----------	----------

810:112g User Interface Design - 3 hrs.
Prerequisite(s): 810:114, 810:115, 810:153, 810:154, 810:172, or
consent of instructor for non-majors; Junior standing.

01	1:00	MWF	East	ITT 322
----	------	-----	------	---------

810:115g Information Storage and Retrieval - 3 hrs.
Prerequisite(s): 810:052; 810:080; junior standing.

01	10:00	MWF	O'Kane	ITT 328
----	-------	-----	--------	---------

810:143g Operating Systems - 3 hrs.
Prerequisite(s): 810:041; 810:052; 810:080; junior standing.

01	8:00-9:15	TTh	Gray	ITT 328
----	-----------	-----	------	---------

810:151 Topics in Programming: Cobol I - 1 hr.
Prerequisite: 810:052; 810:080. Class meets January 11-February 12.

??	11:00	MWF	East	ITT 322
----	-------	-----	------	---------

810:151 Topics in Programming: Cobol II - 1 hr.
Prerequisite: 810:052; 810:080. Class meets February 15 - March 26.

??	11:00	MWF	East	ITT 322
----	-------	-----	------	---------

810:151 Topics in Programming: bash Scripting - 1 hr.
Prerequisite: 810:052; 810:080. Class meets March 29-April 30.

??	11:00	MWF	Gray	ITT 322
----	-------	-----	------	---------

810:154g Programming Languages and Paradigms - 3 hrs.
Prerequisite(s): 810:052, 810:080.

01	12:30-1:45	TTh	Wallingford	ITT 322
----	------------	-----	-------------	---------

810:166g Computing for Bioinformatics II - 3 hrs.
Prerequisite(s): 810:165; junior standing. (Formerly 810:066)

01	9:30-10:45	TTh	Poleksic	ITT 328
----	------------	-----	----------	---------

810:172g Software Engineering - 3 hrs.
Prerequisite(s): 810:052, 810:080; junior standing.

01	2:00	MWF	Hughes	ITT 28
----	------	-----	--------	--------

810:173g Project Management - 3 hrs.
Prerequisite(s): 810:172; junior standing.

01	12:00	MWF	Hughes	ITT 28
----	-------	-----	--------	--------

810:181g Theory of Computation - 3 hrs.
Prerequisite(s); 810:074 or 810:080; junior standing.

01	2:00-3:15	TTh	Gray	ITT 328
----	-----------	-----	------	---------

810:270 Algorithms - 3 hrs.
Prerequisite(s): 810:153.

01 3:30-4:45 TTh Poleksic ITT 328