

**CLARION UNIVERSITY OF PENNSYLVANIA**

**January 2010**

**College of Arts and Sciences**

**Minor\*: COMPUTER SCIENCE**

NAME \_\_\_\_\_  
 CLARION ID \_\_\_\_\_  
 MAJOR \_\_\_\_\_  
 ADVISOR FOR MAJOR \_\_\_\_\_  
 DATE OF ENTRY INTO MINOR \_\_\_\_\_  
 ADVISOR FOR MINOR \_\_\_\_\_

**REQUIREMENTS FOR MINOR IN COMPUTER SCIENCE: 18 CREDITS**

	<u>CR.</u>	<u>GR.</u>	<u>SEMESTER COMPLETED</u>
1. Required Courses (9 credits)			
CIS 202: Intro. to Programming and Algorithms I	3	___	_____
CIS 244: Intro. to Programming and Algorithms II	3	___	_____
CIS 254: Data Structures	3	___	_____
2. Additional Required Courses (9 credits)			
CIS 253: Computer Organization and Assembly Language	3	___	_____
CIS 270: Client Side Web Programming	3	___	_____
CIS 301: Computer Systems Analysis	3	___	_____
CIS 303: Local Area Networks	3	___	_____
CIS 305: Artificial Intelligence in Decision Making	3	___	_____
CIS 306: Object-Oriented Programming	3	___	_____
CIS 312: Special Topics in Computing	3	___	_____
CIS 330: Advanced Event-Driven Programming	3	___	_____
CIS 355: Operating Systems	3	___	_____
CIS 356: Analysis of Algorithms	3	___	_____
CIS 370: Server Side Web Programming	3	___	_____
CIS 375: Software Engineering	3	___	_____
CIS 377: Computer Graphics	3	___	_____
CIS 402: Database Management Systems	3	___	_____
CIS 412: Parallel Processing	3	___	_____
CIS/MGMT 470: Project Management	3	___	_____

\* All courses taken in the minor must be taken for a grade as stated in the CCPS Guidelines, page 15.

\* A student must present a quality point average of 2.0 on a 4.0 scale in the minor.

\* All courses should be checked for prerequisites.

Signatures (upon completion of the minor requirements):

\_\_\_\_\_  
 Minor Advisor

\_\_\_\_\_  
 Date

\_\_\_\_\_  
 Department Chairperson

\_\_\_\_\_  
 Date