

Bachelor of Arts Degree Computer and Information Science

2005-2006

Department of Computer and Information Sciences

303 Wachman Hall

(215) 204-8450

Chairman: Dr. Paul LaFollette

Faculty Advisor: Dr. Billie Stevens

<http://joda.cis.temple.edu>

- **123** credits, **90** of which must be in CST/CLA courses
- **45** credits must be upper level (UL) coursework in either CST/CLA or UL course(s) that can be credited towards the major or declared 2nd major/minor chosen in consultation with an advisor.
- Appropriate Core Curriculum requirements:
 - Traditional Core 45 Core to Core
- Minimum of 2 courses numbered 100 or above in the College of Liberal Arts (CLA) _____ _____
- The following requirements for the CIS Major:

Math Sequence: 0045 > C073 > C074 > C085 > 0086

First Year

- Calculus I (Math C085 or H095)•
- Calculus II (Math 0086 or H096)•
- Laboratory Science A**
- Laboratory Science B**

*Students are required to complete a 2 semester sequence of a lab science

Second Year

- Program Design and Abstraction (CIS 0067) [prereq Math C074 with a 'C' or better or two years of high school algebra and one year of trigonometry.]
- Math Concepts in Computing I (CIS 0066) [coreq Math C085] or Basic Mathematical Concepts (Math W141) [prereq One year of calculus or permission of instructor]
- Math Concepts in Computing II (CIS 0166) [prereqs CIS 0066, 0067, & Math C085] or Modern Algebra (Math W205) [prereq Math 147 or 148 with a grade of C- or better or permission of instructor]
- Data Structures (CIS 0068) [prereq CIS 0066, 0067, & Math C085]
- Computer Systems & Low-Level Prog (CIS 0072) [prereqs CIS 0066, 0067, & Math C085]

Third Year

- Data Structures & Algorithms (CIS 0223) [prereqs CIS 0066, 0067, 0068, 0072 & Math C085 co-req CIS 0166]
- Intro to Systems Programming and Operating Systems (CIS 0207) [prereqs CIS 0066, 0067, 0068, 0072 & Math C085]
- Theory Course—Choose from Math 0133, 0227, 0233, Phil 0211, CIS 0211, 0242•
- Communication Course—Choose from English W102, W104, STOC 0065•

Fourth Year

- Intro to Distributed Systems & Networks (CIS 0307) [prereqs CIS 0166, 0207 and 0223]
 - Software Engineering (CIS W338) [prereq CIS 0223 co-req CIS 0207]
- CIS W338 must be taken at Temple to complete the writing intensive requirement.

•Courses have pre- and/or co-requisites, consult course descriptions for details.

Traditional Core

For students starting as freshmen or transferring with fewer than 45 credits.

- English C050 _____
- American Culture _____
- The Arts _____
- Individual and Society _____
- Studies in Race _____
- Foreign Language 2nd level * _____
- Foreign Language 3rd level * _____
- International Studies _____
- International Studies (non western) * _____
- Science and Technology (SA) _____
- Science and Technology (SB) _____
- Quantitative Reasoning (QA) _____
- Quantitative Reasoning (QB) _____
- Intellectual Heritage X051 _____
- Intellectual Heritage X052 _____
- Writing Intensive Elective _____
- Writing Intensive Elective (Must be taken at Temple) _____
- Writing Intensive in Major (Must be taken at Temple) _____

* B.A.

- 2nd level of a language + 2 IS (1 non western) or
- 3rd level/ Exempt[^] + 1 IS

Core 45 +

For students receiving 45 credits or more in transfer.

- English C050 _____
 - American Culture _____
 - The Arts _____
 - Individual and Society _____
- } 2 of the 3
- Studies in Race _____
 - Science and Technology (SA or SB) _____
 - Quantitative Reasoning (QA or QB) _____
 - Intellectual Heritage X051 or X052 _____
 - Writing Intensive Elective (Must be taken at Temple) _____
 - Writing Intensive in Major (Must be taken at Temple) _____
 - Foreign Language _____
 - International Studies _____
 - International Studies (non western) _____

* B.A.

- 2nd level of a language + 2 IS (1 non western) or
- 3rd level/ Exempt[^] + 1 IS

Core to Core

For students who have completed an approved Associate's degree from a college that has an established transfer agreement with Temple.

B.A. follow traditional core foreign language/IS requirement

- Writing Intensive Elective (Must be taken at Temple) _____
- Writing Intensive in Major (Must be taken at Temple) _____
- Library Skills (TILT) www.library.temple.edu (Must be taken in order to graduate)

[^]If English is your second language, speak with an advisor about possible exemption.
Revised 7/7/05