

Bachelor of Science Degree — Computer and Information Science

2003-04

Department of Computer and Information Sciences

303 Wachman Hall
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Chairperson: 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 coursework in CST/CLA
- Appropriate Core Curriculum requirements:
 - Traditional Core 45 Core to Core
- The following requirements for the CIS Major:

[Math Sequence: 15 > 45 > C073 > C074 > C085 > 0086]

First Year

- Calculus I (Math C085 or H095)
- Calculus II (Math 0086 or H096)
- Laboratory Science A * Students are required to complete a two
- Laboratory Science B semester sequence of a lab science.

Second Year

- Program Design and Abstraction (CIS 67) [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 66) [coreq Math 85]
- Math Concepts in Computing II (CIS 166) [prereqs CIS 66, 67]
- Data Structures (CIS 68) [prereqs CIS 66, 67]
- Computer Systems & Low-Level Prog (CIS 72) [prereqs CIS 66, 67]

Third Year

- Data Structures & Algorithms (CIS 223) [prereqs B- average in CIS 0066, 0067, 0068, and 0072; and CIS 0166. CIS 0166 may be taken concurrently.]
- Intro to Systems Programming and Operating Systems (CIS 207) [prereqs B- average in CIS 0066, 0067, 0068 and 0072.]
- Theory Course—Choose from
Math 133, 227, 233, Phil 211, CIS 211, 242
- CIS elective* _____
- Communication Course - Choose from
English W102, W104, Speech Comm 65

Fourth Year

- Intro to Distributed Systems & Networks (CIS 307) [prereq CIS 0166, 0207 and 0223]
- Software Engineering (CIS W338) [prereq CIS 223 co-req CIS 207]
- CIS elective* _____
- CIS elective* _____
- Projects in Computer Science (CIS 339) [prereqs CIS W338 and senior standing]

*CIS electives: CIS 203, 211 (if not taken as theory reqmt.), 217, 220, 242 (if not taken as theory reqmt.), 305, 308, 320, 324, 331, 350, 397, 398 - check course descriptions for prerequisites

Traditional Core

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

- English 50 _____
- 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 Level 1 _____
- Science and Technology Level 2 _____
- Quantitative Reasoning Level 1 _____
- Quantitative Reasoning Level 2 _____
- 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.S.

- 2 International Studies (IS) or
- 2nd level of a language + 1 IS or
- 3rd level of a language /Exempt^

Core 45 +

For students receiving 45 credits or more in transfer.

- English 50 _____
- American Culture _____
- The Arts _____
- Individual and Society _____ } 2 of the 3
- Studies in Race _____
- Science and Technology Level _____
- Quantitative Reasoning Level _____
- 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* _____

*B.S.

- 1 International Studies (IS) or
- 2nd level of a language/Exempt^

Core to Core

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

- Writing Intensive Elective (Must be taken at Temple) _____
- Writing Intensive in Major (Must be taken at Temple) _____

^If English is your second language, speak with an advisor about possible exemption.
Revised 9/03/03