

Bachelor of Arts Degree Information Science & Technology

2005-2006

Department of Computer and Information Sciences

303 Wachman Hall
(215) 204-8450

Chairman: Dr. Paul LaFollette

Faculty Advisor: Dr. Gary Baram

<http://www.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 IS&T Major:

Math Sequence: 0045 > C073 > C077

First Year

- Differential & Integral Calculus (Math C077) [pre-req Math C073 w/ "C" or better]
- Science A* _____
- Computers & Applications (CIS C055)* [Science B]
- Higher Level Languages (CIS C081) [pre-req Math C073]

Second Year

- Probability & Statistics (Math 0133) [pre-req Math C077]
- Sophomore Problem Solving (Math 0163) [pre-req Math C077]
- Object Oriented Programming (CIS 0083) [pre-req CIS C081]
- Database & File Management Systems (CIS 0109) [pre-req CIS C081, co-req CIS 0083]
- Component-Based Software Development (CIS 0209) [pre-reqs CIS 0083 & 0109]
- Operating Systems & Networking (CIS 0230) [pre-reqs CIS 0083 & 0109]

Third Year

- Net-Centric Computing (CIS 0309) [pre-reqs CIS 0209 & 0230]
- Network Architectures (CIS 330) [pre-reqs CIS 0209 & 0230]
- Information Systems Analysis and Design (CIS W281) [pre-reqs CIS 0209 & 0230]
- Information System Implementation (CIS W381) [pre-req CIS W281]

Fourth Year

- Networked Applications Systems (CIS 0342) [pre-reqs CIS 0209 & 0230]

*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 _____
- 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

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

Core to Core

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 6/27/05