

# Bachelor of Science Degree — Information Science and Technology

2003-04

## Department of Computer and Information Sciences

303 Wachman Hall

(215) 204-8450

**Chairperson:** 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 coursework in CST/CLA
- Appropriate Core Curriculum requirements:
  - Traditional  Core 45  Core to Core
- The following requirements for the IS&T Major:

### First Year

- College Algebra (Math C073)
- Differential & Integral Calculus (Math C077) [pre-req Math 73]
- Science A \_\_\_\_\_
- Computers & Applications (CIS C055) (Science B)
- Higher Level Languages (CIS 81) [pre-req Math 73]

### Second Year

- Probability and Statistics (Math 133)
- Sophomore Problem Solving (Math 163)
- Object Oriented Programming (CIS 83) [pre-req CIS 81]
- Database & File Management Systems (CIS 109)  
[pre-req 81, co-req 83]
- Principles of Component-Based Software Development (CIS 209)  
[pre-reqs CIS 83 & 109]
- Operating Systems & Networking (CIS 230)  
[pre-reqs CIS 83 & 109]

### Third Year

- Net-Centric Computing (CIS 309) [pre-reqs CIS 209 & 230]
- Network Architectures (CIS 330) [pre-reqs CIS 209 & 230]
- JAVA for Network Applications (CIS 342)  
[pre-reqs CIS 209 & 230]
- IS&T elective\* \_\_\_\_\_
- IS&T elective\* \_\_\_\_\_

### Fourth Year

- Information Systems Analysis and Design (CIS W281)  
[pre-reqs CIS 209 & 230]
- Information System Implementation (CIS W381)  
[pre-req CIS W281]
- IST elective\* \_\_\_\_\_
- IST elective\* \_\_\_\_\_

\*IS&T elective courses can be selected from any department at Temple, must be 100-level or above, IS&T related, and approved by an advisor.

## 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 2<sup>nd</sup> level\* \_\_\_\_\_
- Foreign Language 3<sup>rd</sup> 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
- 2<sup>nd</sup> level of a language + 1 IS or
- 3<sup>rd</sup> 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 \_\_\_\_\_
- 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• \_\_\_\_\_

} 2 of the 3

### •B.S.

- 1 International Studies (IS) or
- 2<sup>nd</sup> 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