# Information Science & Technology 2016-2017

## Department of Computer & Information Sciences
Science Education & Research Center, Room 304  
(215) 204-8450  
Chair: Dr. Jie Wu  
Faculty Advisor: Wendy Urban  
www.temple.edu/cis

## CST Credit Requirements:
- **123** minimum total credits  
- **90** minimum CST/CLA credits  
- **45** minimum upper-level (2000+) CST/CLA credits

*Backtracking rule:* Credit for courses 2 or more levels below previously completed coursework cannot be used towards the degree.

### Bachelor of Arts

#### Recommended Sequence of Major Courses:
- □ Intro to Academics in CS: CIS 1001 _____
- □ Differential & Integral Calculus: Math 1031* OR  
  Calculus I: Math 1038** or 1041 or 1941H _____
- □ Program Design & Abstraction: CIS 1068 or 1968H ____
- □ Math Concepts in Computing I: CIS 1166 or 1966H ____
- □ Computational Probability & Stats: CIS 2033 _____
- □ Data Structures: CIS 2168 _____
- □ Database Management Systems: CIS 2109 _____
- □ Architecture, Oper Sys & Networking: CIS 2229 _____
- □ Component-Based Software Design: CIS 3309 _____
- □ Client-Side Scripting for the Web: CIS 3344 _____
- □ Sequenced IS&T Laboratory Science A***: _____
- □ Network Architectures: CIS 3329 _____
- □ Sequenced IS&T Laboratory Science B****: _____
- □ Make an Appointment for a Graduation Review
- □ Information Systems Analysis & Design: CIS 4296 _____
- □ Information Systems Implementation: CIS 4396 _____

#### CST College Requirements:
- □ Upper Level Liberal Arts course (2000+) __________
- □ Upper Level Liberal Arts course (2000+) _________

### Bachelor of Science

#### Recommended Sequence of Major Courses:
- □ Intro to Academics in CS: CIS 1001 _____
- □ Differential & Integral Calculus: Math 1031* OR  
  Calculus I: Math 1038** or 1041 or 1941H _____
- □ Program Design & Abstraction: CIS 1068 or 1968H ____
- □ Math Concepts in Computing I: CIS 1166 or 1966H ____
- □ Computational Probability & Stats: CIS 2033 _____
- □ Data Structures: CIS 2168 _____
- □ Sequenced IS&T Laboratory Science A***: _____
- □ Database Management Systems: CIS 2109 _____
- □ Architecture, Oper Sys & Networking: CIS 2229 _____
- □ Sequenced IS&T Laboratory Science B****: _____
- □ Component-Based Software Design: CIS 3309 _____
- □ Client-Side Scripting for the Web: CIS 3344 _____
- □ IS&T Elective****: __________
- □ Network Architectures: CIS 3329 _____
- □ IS&T Elective****: __________
- □ Make an appointment for a Graduation Review
- □ Information Systems Analysis & Design: CIS 4296 _____
- □ Information Systems Implementation: CIS 4396 _____
- □ IS&T Elective****: __________

### Suggested Courses:

- ____________________
- ____________________
- ____________________
- ____________________

### Notes:

- The Undergraduate Bulletin is the official source for major requirements and elective options:  
  http://bulletin.temple.edu
- **Backtracking rule:** Credit for courses 2 or more levels below previously completed coursework cannot be used towards the degree.
- While Math 1022 is not required before Math 1031, it is a prerequisite to other coursework in this major and must be completed if required by placement testing. It is recommended to be taken prior to Math 1031.
- **Students who choose Math 1038 must also take the corresponding section of the linked course Math 1039.
- **Sequenced Lab Science courses are listed at:** www.temple.edu/cst/advising/majorsheets
- **Please refer to the Undergraduate Bulletin for a pre-approved list of IS&T electives.

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### University Requirements 2016-2017

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<tr>
<th>Appropriate University Curriculum:</th>
<th>Gen Ed Traditional</th>
<th>Gen Ed 45+</th>
<th>Gen Ed-to-Gen Ed</th>
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</thead>
</table>

#### Gen Ed Traditional:
- □ Analytical Reading & Writing: Eng 0802
- □ Mosaic I: Intel Heritage (IH) 0851
- □ Mosaic II: Intel Heritage (IH) 0852
- □ US Society (GU)
- □ Human Behavior (GB)
- □ Arts (GA)
- □ Diversity and Race (GD)
- □ Global/World Society (GG)
- □ Quantitative Literacy (GQ)**
- □ Science and Technology (GS)**

** may be satisfied through major coursework

**Bachelor of Arts (BA) Only**
- □ 2nd level of a Language

#### Gen Ed 45+ (45 or more transfer credits):
- □ Analytical Reading & Writing: Eng 0802
- □ Mosaic I or II: Intel Heritage (IH) 0851 or 0852
- □ US Society (GU)*
- □ Human Behavior (GB)*
- □ Arts (GA)*
- □ Diversity and Race (GD)
- □ Global/World Society (GG)
- □ Quantitative Literacy (GQ)**
- □ Science and Technology (GS)**

** may be satisfied through major coursework

**Bachelor of Arts (BA) Only**
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#### Gen Ed-to-Gen Ed:
Transfer students with a pre-approved Associate’s degree from an institution that has an established transfer agreement with Temple have satisfied their GenEd requirements, with the following exception for BA students:

**Bachelor of Arts (BA) Only**
- □ 2nd level of a Language

#### Gen Ed online:
- [www.temple.edu/gened](http://www.temple.edu/gened)
- [www.temple.edu/vpus/transfer/TransferGenEd.htm](http://www.temple.edu/vpus/transfer/TransferGenEd.htm)

#### University Core:
Students who were admitted as freshmen prior to fall 2008, or were admitted as transfers prior to fall 2010, follow the University Core curriculum instead of the Gen Ed curriculum.

#### Undergraduate Bulletin:
The Undergraduate Bulletin is the official reference for University Requirements at:
- [http://bulletin.temple.edu](http://bulletin.temple.edu)

#### Note:
No more than two courses from the same department may be used to satisfy GenEd requirements. GenEd courses may not be used to satisfy major requirements.

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<tr>
<th>Date:</th>
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<tbody>
<tr>
<td>Advisor:</td>
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<td>Student:</td>
<td>Student:</td>
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**Note:** Students must complete at least 2 Writing-Intensive (WI) courses within the major, to be taken at Temple. These must be specific courses or course combinations within the major, or electives required for the major. These courses must be taken at Temple University. Writing-Intensive courses are numbered XX96, XX97, or XX98.