Graduate Certificate: Information Science and Technology

Learn more about the graduate certificate in Information Science and Technology.

About the Certificate

The graduate certificate in Information Science and Technology is designed to meet the professional needs of individuals in the workforce who require advanced training and advanced competencies in computer science. Students who complete the certificate program have the option of enrolling in the Information Science and Technology MS program and having their coursework in which they earned a grade of "B" or higher count toward the master's degree.

Campus Location: Main

Full-Time/Part-Time Status: The graduate certificate can be completed on a part-time basis. NOTE: International students may not be eligible to apply for a student visa based on admission to the certificate program. Please contact the graduate administrative coordinator for more information.

Non-Matriculated Student Policy: Students can take up to 9 credits on a non-matriculated basis. When they complete 9 credits, they must declare their intention to complete the graduate certificate in Information Science and Technology by completing and submitting the "Non-Degree Seeking Student Request to Exceed 9 Credits of Graduate Coursework for Certificate Program," found in TUportal under the Tools tab within "University Forms."

Admission Requirements and Deadlines

Bachelor’s Degree in Discipline/Related Discipline: All applicants must present credentials that are the equivalent of the appropriate baccalaureate degree at Temple University.

Certificate Requirements

Number of Credits Required to Complete the Certificate: 12

Required Courses:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credit Hours</th>
</tr>
</thead>
<tbody>
<tr>
<td>CIS 5002</td>
<td>Database Design &amp; Programming</td>
<td></td>
</tr>
<tr>
<td>CIS 5016</td>
<td>Data Structures and Objects</td>
<td></td>
</tr>
<tr>
<td>CIS 5017</td>
<td>Operating Systems and Architecture</td>
<td></td>
</tr>
<tr>
<td>CIS 5107</td>
<td>Computer Systems Security and Privacy</td>
<td></td>
</tr>
<tr>
<td>CIS 5208</td>
<td>Knowledge Management</td>
<td></td>
</tr>
<tr>
<td>CIS 5210</td>
<td>Seminar in Information Science and Technology</td>
<td></td>
</tr>
<tr>
<td>CIS 5274</td>
<td>Software Quality Assurance and Testing</td>
<td></td>
</tr>
<tr>
<td>CIS 5275</td>
<td>Software Project Management</td>
<td></td>
</tr>
<tr>
<td>CIS 5301</td>
<td>Advanced Database Management Systems</td>
<td></td>
</tr>
<tr>
<td>CIS 5303</td>
<td>Usability Engineering</td>
<td></td>
</tr>
<tr>
<td>CIS 5304</td>
<td>Network Technologies</td>
<td></td>
</tr>
<tr>
<td>CIS 5306</td>
<td>Software Engineering</td>
<td></td>
</tr>
<tr>
<td>CIS 5410</td>
<td>Advanced Seminar in Information Science and Technology</td>
<td></td>
</tr>
<tr>
<td>CIS 5590</td>
<td>Topics in Computer Science</td>
<td></td>
</tr>
</tbody>
</table>

Total Credit Hours: 12

GPA Required to be Awarded the Certificate: 3.0 minimum
Contacts

Certificate Program Web Address:
https://www.temple.edu/academics/degree-programs/information-science-and-technology-certificate-graduate-st-ist-grad

Department Information:
Dept. of Computer and Information Sciences
313 Science and Education Research Center
1925 N. 12th Street
Philadelphia, PA 19122-1801
cst.psm@temple.edu
215-204-8450

Submission Address for Application Materials:
https://cst.temple.edu/academics/graduate-programs/apply-now

Department Contacts:
Admissions:
Graduate Administrative Coordinator
cisadmit@temple.edu
215-204-8450

Graduate Advisor:
Dominique M. Kliger, PhD
dkliger@temple.edu
215-204-3072

Graduate Chairperson:
Yu Wang, PhD
wangyu@temple.edu
215-204-4187

Department Chairperson:
Jamie Payton, DSc
jamie.payton@temple.edu
215-204-8245