

Information Science and Technology Minor

Overview

Offered by the Department of Computer and Information Sciences, the **Minor in Information Science and Technology** provides students with a choice of 5 courses that focus on programming, operating systems and database technologies that can be applicable for a technological foundation to complement any major. Students on both Main Campus and Temple University Japan Campus may declare this minor.

Campus Location: Main and Japan

Undergraduate Contact Information

Main Campus

Jamie Payton, Chair
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Temple Japan Campus

Hani Karam, PhD, Computer Science Coordinator
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Minor Requirements

Students desiring a minor in Information Science and Technology are required to satisfy the following:

| Code | Title | Credit Hours |
|---|--|--------------|
| CIS 1051 or CIS 1951 or CIS 1057 | Introduction to Problem Solving and Programming in Python Honors Introduction to Problem Solving and Programming in Python Computer Programming in C | 4 |
| CIS 1068 or CIS 1968 | Program Design and Abstraction Honors Program Design and Abstraction | 4 |
| Select 3 of the following: ¹ | | 11-12 |
| CIS 1166 or CIS 1966 | Mathematical Concepts in Computing I Honors Mathematical Concepts in Computing I | |
| CIS 2004 | Sci+Tech Scholars Seminar ² | |
| CIS 2109 | Database Management Systems | |
| CIS 2168 | Data Structures | |
| CIS 2229 | Architecture, Operating Systems and Networking | |
| Total Credit Hours | | 19-20 |

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A 3000-level CIS course may replace one of the courses above with faculty advisor approval. CS majors who want an IS&T minor must take CIS 2109, CIS 3309 and a 3000-level IS&T course distinct from the CS courses (selected with IS&T faculty advisor). If a student has taken CIS 4331, that student may not take CIS 2109 and will need to see the faculty advisor for a replacement course.

2

Only students in the Sci+Tech Scholars program may take the 1-credit CIS 2004 course each semester for three semesters and substitute the 3 combined credits for one of the required electives. Sci+Tech Scholars students would then need to choose two additional electives from the list to complete the three electives requirement.

Residency Requirements: At least 3 courses required for the minor must be completed at Temple. At least 3 CIS courses must be completed at Temple. Sci+Tech Scholars students should note that taking 3 CIS 2004 seminars constitutes 1 course for the residency requirement.