

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

Yu Wang, Chair
Science Education and Research Center, Room 304
215-204-8450

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Temple Japan Campus

Students interested in more information or declaring this minor should contact the TUJ Academic Advising Center (AAC), aac@tuj.temple.edu, Room 102, TUJ Building.

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

¹ 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.