

INFORMATION SYSTEMS AND TECHNOLOGY MANAGEMENT CONCENTRATION

The concentration in information systems and technology management enables undergraduate students to acquire an in-depth understanding of information technology (IT) and the skills and analytical methods needed to design and develop the information systems (IS) that businesses find indispensable. The IT overview covers areas ranging from data communications, to data management. Students also learn about and have opportunities for practical experience in the structured development of information systems, programming, database design, and other techniques needed for successful IS design and develop. These IS/IT-specific skills and knowledge, coupled with an understanding of the other aspects of business acquired in the program, give students a competitive start in their chosen careers.

REQUIREMENTS

The following requirements must be fulfilled for the concentration in information systems and technology management: 15 credits in required and selected courses; at least 9 of these credits must be taken in residence. All concentration courses must be completed with a minimum grade of C-.

Concentrations are only available to GWSB students. See Concentrations (<http://bulletin.gwu.edu/business/#regulationstext>) under GW School of Business Undergraduate Regulations in this Bulletin for additional information.

| Code | Title | Credits |
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| Required | | |
| ISTM 3119 | Introduction to Programming | |
| ISTM 4120 | Business Systems Development | |
| ISTM 4121 | Database Principles and Applications | |
| Two courses selected from the following: | | |
| ISTM 4205 | Web Applications Development | |
| ISTM 4206 | Foundations of Information Systems Security and Ethics | |
| ISTM 4209 | Foundations of Web Analytics | |
| ISTM 4213 | Foundations of Cloud Applications | |
| ISTM 4214 | Foundations of Artificial Intelligence | |
| ISTM 4215 | Human-Computer Interaction | |
| ISTM 4216 | Mobile Application Development | |
| ISTM 4217 | Internet of Things Management | |

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| ISTM 4223 | Innovation Ventures |
| ISTM 4233 | Emerging Technologies |
| ISTM 4900 | Special Topics |