INFORMATION SCIENCES AND TECHNOLOGY, MINOR

Requirements for a minor may be completed at any campus location offering the specified courses for the minor. Students may not change from a campus that offers their major to a campus that does not offer their major for the purpose of completing a minor.

Program Description

This minor is structured to provide students with the theoretical frameworks and skill sets necessary to compete and be productive in the information technology-intensive global context that defines the new "Information Age." Specifically, the minor will be focused on a program that will build an understanding of core information technologies and related areas of study; will prepare students for the practical application of various information sciences and related technologies; and engage students in sharpening their abilities to think critically and to work in teams. All this will be done with the intent to expose students to the cognitive, social, institutional, and global environments of Information Sciences and Technology and to then apply that knowledge as a supplement to their major.

What is Information Sciences and Technology?

Information Sciences and Technology is a discipline that explores how we can strengthen the power of information and technology, and use it to increase human potential. This includes focusing on creating innovative systems and technological solutions that benefit businesses, organizations, and individuals, and understanding the role of technology in how we live our lives.

MORE INFORMATION (https://ist.psu.edu/students/undergrad/minors/ist)

You Might Like This Program If...

• You want to understand core information technologies and how they can be applied in different industries
• You are interested in technology but also want to work with people.
• You enjoy coming up with creative solutions to difficult challenges.

MORE INFORMATION (https://ist.psu.edu/students/undergrad/minors/ist)

Program Requirements

<table>
<thead>
<tr>
<th>Requirement</th>
<th>Credits</th>
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<tbody>
<tr>
<td>Requirements for the Minor</td>
<td>18</td>
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</table>

Requirements for the Minor

A grade of C or better is required for all courses in the minor, as specified by Senate Policy 59-10 (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/59-00-minors-and-certificates/#59-10).

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>IST 110</td>
<td>Information, People and Technology</td>
<td>3</td>
</tr>
<tr>
<td>IST 210</td>
<td>Organization of Data</td>
<td>3</td>
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</tbody>
</table>

IST 220 Networking and Telecommunications 3

Additional Courses

Additional Courses: Require a grade of C or better

Select 3 credits of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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<tbody>
<tr>
<td>IST 140</td>
<td>Introduction to Application Development</td>
<td>3</td>
</tr>
<tr>
<td>IST/COMM 234</td>
<td>Digital Cultures</td>
<td></td>
</tr>
<tr>
<td>IST/WMNST 235</td>
<td>Gender and the Global Information Technology Sector</td>
<td></td>
</tr>
<tr>
<td>IST 250</td>
<td>Introduction to Web Design and Development</td>
<td></td>
</tr>
<tr>
<td>IST 301</td>
<td>Information and Organizations</td>
<td></td>
</tr>
<tr>
<td>IST 302</td>
<td>IT Project Management</td>
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</tr>
</tbody>
</table>

Select 6 credits of the following:

<table>
<thead>
<tr>
<th>Code</th>
<th>Title</th>
<th>Credits</th>
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</thead>
<tbody>
<tr>
<td>IST 402</td>
<td>Emerging Issues and Technologies</td>
<td></td>
</tr>
<tr>
<td>IST 431</td>
<td>The Information Environment</td>
<td></td>
</tr>
<tr>
<td>IST 432</td>
<td>Legal and Regulatory Environment of Information Science and Technology</td>
<td></td>
</tr>
<tr>
<td>IST 442</td>
<td>Information Technology in an International Context</td>
<td></td>
</tr>
<tr>
<td>IST 445</td>
<td>Globalization Trends and World Issues</td>
<td></td>
</tr>
<tr>
<td>IST 452</td>
<td>Legal and Regulatory Environment of Privacy and Security</td>
<td></td>
</tr>
<tr>
<td>IST 453</td>
<td>Legal, Regulatory, Policy Environment of Cyber Forensics</td>
<td></td>
</tr>
</tbody>
</table>

Academic Advising

The objectives of the university’s academic advising program are to help advisees identify and achieve their academic goals, to promote their intellectual discovery, and to encourage students to take advantage of both in-and out-of class educational opportunities in order that they become self-directed learners and decision makers.

Both advisers and advisees share responsibility for making the advising relationship succeed. By encouraging their advisees to become engaged in their education, to meet their educational goals, and to develop the habit of learning, advisers assume a significant educational role. The advisee’s unit of enrollment will provide each advisee with a primary academic adviser, the information need to plan the chosen program of study, and referrals to other specialized resources.

READ SENATE POLICY 32-00: ADVISING POLICY (http://senate.psu.edu/policies-and-rules-for-undergraduate-students/32-00-advising-policy)

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Career Paths
IST allows you to explore some of the biggest challenges facing society and work to solve them by leveraging information and using technology. It blends skills from a number of fields – computer science, psychology, math, business, sociology, political science – so you can help people and organizations thrive. IST’s Office of Career Solutions helps students navigate their internship and career development in the field through coaching, workshops, interview preparation, resume reviews, career fairs, job postings, and networking opportunities.

Careers
Because our courses blend technical knowledge with skills in communication and business, an IST degree allows for careers in nearly every industry including government, defense, consulting, business, entertainment, and medicine.

MORE INFORMATION

Contact
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https://www.worldcampus.psu.edu/degrees-and-certificates/information-sciences-and-technology-minor/overview

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http://york.psu.edu/academics/baccalaureate/minors