INFORMATION SYSTEMS MAJOR

Requirements

Major and Track Requirements

The information systems major includes six required courses and four information systems electives. All required courses are drawn from the information, technology, and operations area.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>INSY 3432</td>
<td>Database Systems</td>
<td>3</td>
</tr>
<tr>
<td>INSY 3436</td>
<td>ST: Programming with Python</td>
<td>3</td>
</tr>
<tr>
<td>INSY 3441</td>
<td>Systems Analysis</td>
<td>3</td>
</tr>
<tr>
<td>INSY 3442</td>
<td>Web Apps Design and Development</td>
<td>3</td>
</tr>
<tr>
<td>INSY 4507</td>
<td>Project Management</td>
<td>3</td>
</tr>
<tr>
<td>INSY 4800</td>
<td>Global Information Technology Strategy</td>
<td>3</td>
</tr>
</tbody>
</table>

Four electives: 1 12 to 14

Business Analytics Track
- INSY 3437 ST: Sports Analytics
- INSY 4431 Web Analytics
- INSY 4433 Advanced Python for Business
- INSY 4434 ST: Data Mining for Business
- INSY 4506 Business Analytics
- INSY 4508 Business Modeling With Spreadsheets

Digital Business Innovation Track
- INSY 3421 Accounting Information Systems
- INSY 3437 ST: Sports Analytics
- INSY 3438 ST: Cybersecurity in Bus
- INSY 3450 ST: Fintech - An Introduction
- INSY 4411 ST: Healthcare Info Tech
- INSY 4412 ST: IT and Sustainability
- INSY 4431 Web Analytics
- INSY 4432 Mobile Commerce & Apps
- INSY 4435 ST: AIS Consulting Project
- INSY 4505 E-Commerce
- OPBU 3453 ST: Business Dynamics

Enterprise Architecture Track
- INSY 3421 Accounting Information Systems
- INSY 3433 Programming with Java
- INSY 3438 ST: Cybersecurity in Bus
- INSY 4432 Mobile Commerce & Apps
- INSY 4433 Advanced Python for Business
- INSY 4435 ST: AIS Consulting Project
- OPBU 3453 ST: Business Dynamics

Students must also complete the Gabelli School business and liberal arts Core Curricula. In addition, all students complete between three and seven liberal arts electives depending on their major requirements.

Information Systems Major Electives/Tracks

Students must take four advanced information systems electives. They are encouraged to use at least three advanced elective courses to specialize in their chosen track. Students can also create an optimal mix of electives across tracks to fit their prior expertise and career goals.

While most students choose all four electives from the information systems, technology, and operations area, up to two electives can be taken in other business areas, with the approval of the faculty adviser.

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
<th>Credits</th>
</tr>
</thead>
<tbody>
<tr>
<td>CISC 3400</td>
<td>Java Programming</td>
<td>4</td>
</tr>
<tr>
<td>CISC 4515</td>
<td>Advanced Database Systems</td>
<td>4</td>
</tr>
</tbody>
</table>

1 Please note:
- Students are encouraged to complete their elective courses in one or more of the career-oriented tracks listed above, but any course with the INSY subject code numbered 3400-4999 (as well as CISC 3400 and CISC 4515) may count as an elective.
- For Information Systems majors pursuing a secondary concentration in Fintech, the three courses that comprise the secondary concentration may double-count as electives towards the Information Systems major. Moreover, for such students, FNBU 4454 ST: Financial Modeling may count as an elective towards the major.

While most students choose all four electives from the information systems, technology, and operations area, up to two electives can be taken in other business areas, with the approval of the faculty adviser.

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CIP Code

11.0401 - Information Science/Studies.

You can use the CIP code to learn more about career paths associated with this field of study and, for international students, possible post-graduation visa extensions. Learn more about CIP codes and other information resources.