**4 + 1 Courses**

<table>
<thead>
<tr>
<th>Required Prerequisite Courses (3)*</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>ISTM 3119 Introduction to Programming</td>
<td>None</td>
</tr>
<tr>
<td>ISTM 4120 Business Systems Development</td>
<td>ISTM 3119 or CSCI 1111 or Inst.Permission</td>
</tr>
<tr>
<td>ISTM 4121 Database Principles and Applications</td>
<td>ISTM 3119 or CSCI 1111 or Inst.Permission</td>
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</tbody>
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*A grade of “B” or higher is required in prerequisite courses for the 4 + 1 program.*

**MSIST Core Courses** (3 max. courses may double count between degrees):

- ISTM 6204 Information Technology Project Management
- ISTM 6201 Information Systems Development and Application
- ISTM 6202 Relational Databases

**Any undergraduate ISTM course that is cross-listed with an ISTM graduate course may be used as one of the courses to be double counted.**

Graduate courses may potentially be used toward the following undergraduate requirements: ISTM Concentration Field Course (maximum two), ISTM International Field Course, or general electives. **Students must meet with a GWSB advisor in the Undergraduate Advising Center to determine how to best utilize the graduate courses in the undergraduate degree.**

**Note:** 33 total credits are required for the MSIST degree. Students will be expected to meet all requirements for the Bachelor of Business Administration, BACCY, and BS in Finance degrees, which includes up to 9 credit hours that can be shared with the MSIST degree. Students would then be expected to complete all graduate-level requirements for the MSIST degree, which includes up to 9 shared credit hours.

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**Degree Overview**

The Master of Science in Information Systems Technology (MSIST) 4+1 provides students with more depth and breadth in the Information Systems Technology field. Technology plays a crucial role in business organizations. Individuals versed in information systems are vital in determining the strategic direction of their corporations. These individuals may do everything from constructing the business plan to overseeing network and Internet operations to managing a team of systems analysts, computer programmers, support specialists, and other computer-related workers.

Upon completion of the MSIST program students will be able to:
- Communicate effectively in both written and oral presentations, involving clarity of purpose and understanding of the audience
- Weigh the ethics and impact on society when making a decision
- Think critically, analyze facts, and make intelligent choices regarding the efficient use of IT and decision models
- Use knowledge of information systems to support a successful analysis, design & implementation of an IT project
- Work effectively as a team leader and as a member, by actively participating, completing assigned tasks on schedule, and working towards a common goal of project completion

**Career Choices with the MSIST**

Graduates combine a solid background in business administration with the technical knowledge of the MSIST: a dynamic combination that attracts employers. MSIST graduates opt to work with firms providing computer and data processing services, insurance and financial services firms, governmental agencies, consulting firms, and manufacturers.