# UNIVERSITY OF ST. THOMAS
## FACULTY ADVISOR PROGRAM GUIDE

### COMPUTER & INFORMATION SCIENCES-INFORMATION SECURITY

<table>
<thead>
<tr>
<th>First Year</th>
<th>Sophomore</th>
<th>Junior</th>
<th>Senior</th>
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<tbody>
<tr>
<td><strong>Semester 1</strong></td>
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<tr>
<td>MATH 108/109, 111 or 113</td>
<td>CISC 230</td>
<td>CISC 231</td>
<td>CISC elective**</td>
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<td>COJO 100 or 105</td>
<td>CISC 310</td>
<td>CISC 410</td>
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<tr>
<th><strong>Semester 2</strong></th>
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<tr>
<td>CISC 130 or 131</td>
<td>STAT 220</td>
<td>CISC 370</td>
<td>CISC elective**</td>
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<tr>
<td>MATH 128 or ENGR 230</td>
<td>CISC 210</td>
<td>CISC 320</td>
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### REQUIREMENTS FOR DEGREE

CISC 130* Introduction to Programming and Problem Solving in the Sciences OR
CISC 131* Introduction to Programming and Problem Solving
CISC 210 Information Security
CISC 230* Object-Oriented Design and Programming
CISC 310 Operating Systems
CISC 320 Systems Analysis and Design I
CISC 370 Networks
CISC 410 Information Security Analysis
STAT 220 Statistics I

*A grade of C- or higher must be earned in each of these courses chosen to fulfill the core requirement.

**Plus eight elective credits chosen from the following:
CISC 270 Web Development
CISC 321 Systems Analysis and Design II
CISC 325 E-Commerce Systems

*Note: Electives can be taken any semester

Allied requirements:

COJO 100 Public Speaking or COJO 105 Communications in the Workplace
MATH 128 Introduction to Discrete Mathematics or ENGR 230 Digital Design

Plus four credits from the following:
MATH 108/109 Calculus with Review I & II
MATH 111 Calculus for Business and Social Science
MATH 113 Calculus I

Please direct questions about major requirements, and departmental policies and procedures to the current Department chair or program director.