INTERDISCIPLINARY STUDIES IN INFORMATION SYSTEMS, ADVANCED GRADUATE CERTIFICATE

Curriculum
To earn this certificate, students must complete any four of the following courses:

<table>
<thead>
<tr>
<th>Course</th>
<th>Title</th>
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<tbody>
<tr>
<td>CIS 413-DL</td>
<td>Telecommunications and Computer Networks</td>
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<tr>
<td>CIS 414-DL</td>
<td>Object Oriented Programming</td>
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<tr>
<td>CIS 417-DL</td>
<td>Database Systems Design &amp; Implementation</td>
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<td>CIS 419-DL</td>
<td>Web Application Development</td>
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<tr>
<td>CIS 431-DL</td>
<td>Database Administration</td>
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<tr>
<td>CIS 435-DL</td>
<td>Practical Data Science Using Machine Learning</td>
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<tr>
<td>CIS 436-DL</td>
<td>Data and Digital Platforms</td>
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<tr>
<td>CIS 452-DL</td>
<td>Cybersecurity Attacks and Counter Measures</td>
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<td>CIS 453-DL</td>
<td>Enterprise Security Strategy</td>
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<tr>
<td>CIS 455-DL</td>
<td>Disaster Recovery and Continuity</td>
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<td>CIS 457-DL</td>
<td>Management of Information Security</td>
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<td>CIS 459-DL</td>
<td>Innovation with Blockchain Technology</td>
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<td>CIS 460-DL</td>
<td>Information Technology Management</td>
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<tr>
<td>CIS 473-DL</td>
<td>Digital Technologies</td>
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<td>CIS 475-DL</td>
<td>Leading Digital Transformation Execution</td>
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<td>CIS 477-DL</td>
<td>Enterprise Architecture</td>
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<td>CIS 495-DL</td>
<td>Enterprise Agility Frameworks</td>
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<td>CIS 496-DL</td>
<td>Business Writing and Communication</td>
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<td>CIS 497-DL</td>
<td>Information Technology Finance</td>
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<tr>
<td>MSDS 430-DL</td>
<td>Python for Data Analysis</td>
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<tr>
<td>MSDS 475-DL</td>
<td>Project Management</td>
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</table>

Any course that has a prerequisite may be taken provided the student has met prerequisites through course completion or course waiver.

Please note that courses completed in the certificate program cannot be transferred to the corresponding graduate degree.