

Bachelor of Information Technology  
**IT Security Specialization Pathway Program Map**  
 for students bridging from a 3-year non-CISCO college diploma  
**2019 or later start**

| BRIDGE      | INFR 2820U<br>Algorithms and<br>Data Structures    | INFR 1010U<br>Discrete<br>Mathematics                     | INFR 1016U<br>Introductory<br>Calculus                  |   |  |
|-------------|--|---|---|---|--|
| 3<br>FALL   | INFR 2600U<br>Introduction to<br>Computer Security | INFR 1400U<br>Statistics and<br>Probability for I.T.      | INFR 3120U<br>Web and Script<br>Programming             | INFR 2670U<br>Introduction to<br>Cloud Services | BUSI 2550U<br>Introduction to<br>Project<br>Management |
| 3<br>WINTER | INFR 2810U<br>Computer<br>Architecture             | INFR 1550U<br>Law and Ethics<br>of I.T.                   | INFR 2830U<br>Operating Systems                         | INFR 3720U<br>Basics of Digital<br>Transmission | BUSI 2000U<br>Collaborative<br>Leadership              |
| 4<br>FALL   | INFR 3600U<br>Cryptography and<br>Network Security | INFR 4680U<br>I.T. Security<br>Policies and<br>Procedures | INFR 4661U<br>Introduction to<br>Penetration<br>Testing | INFR 3700U<br>Machine Learning.                 | BUSI Elective  |
| 4<br>WINTER | INFR 4690U<br>I.T. Forensics                       | INFR 3610U<br>Operating System<br>Security                | BUSI 4995U<br>Capstone                                  | BUSI 1600U<br>Management of<br>the Enterprise   | Technical Elective                                     |

Information contained herein is subject to change at the discretion of the Faculty of Business and I.T., and is distributed to students for course schedule planning assistance only. Any questions should be addressed to the FBIT Academic Advising office (fbitadvising@uoit.ca).