



ONLINE BACHELOR OF INFORMATION TECHNOLOGY

General Requirements (Core IMPACTS / General) (45 Hours)

Courses taught outside of the program may have equivalent courses in eCore.

Field of Study Requirements (18 Hours)

Course Code	Course Title
ENGL 2135	Technical Communication
ITW 1130	Introduction to Information Technology
ITW 1430	Introduction to Web Design
ITW 2430	Computer Programming I
ITW 2431	Computer Programming II
MATH 1401	Introduction to Statistics

Major Requirements (60 Hours)

Major Core (42 Hours)

Course Code	Course Title
ITW 2140	Discrete Mathematics for Information Technology
ITW 2333	IT Infrastructure
ITW 2530	Operating Systems
ITW 2531	Introduction to Cyber Security
ITW 3133	E-Commerce
ITW 3231	Data Communications & Networking
ITW 3233	Database Design and Implementation
ITW 3234	Computer Systems Acquisition
ITW 3530	Information Systems Security
ITW 4130	Modern I.T. Management
ITW 4336	Network Security
ITW 4337	Ethical Hacking
ITW 4530	Senior Capstone Project
ITW 4790	Internship in Information Technology

Major Electives (12 Hours)

Course Code	Course Title
ITW 3137	Basics of Intelligent IT Solutions
ITW 3230	Data Visualization
ITW 3432	Introduction to Data Analytics
ITW 3531	Digital and Computer Forensics
ITW 4127	AI-Powered IT Applications
ITW 4135	Advanced Data Analytics
ITW 4136	Knowledge Discovery and Data Mining
IT 5434	Advanced Network Security

General Electives (6 Hours)

Concentrations (12 Hours)

Select 12 credit hours from one of two concentration areas, Cybersecurity or Data Science

Cybersecurity Concentration

A world without cybersecurity would be like a bank without locks. In this concentration, you'll learn how to build those locks (and even pick them in our Ethical Hacking class).

Course Code	Course Title
ITW 3137	Basics of Intelligent IT Solutions
ITW 3531	Digital and Computer Forensics
ITW 4127	AI-Powered IT Applications
ITW 5434	Advanced Network Security

Data Science Concentration

Learn to find valuable insights hidden inside massive amounts of data and put that knowledge to work. Courses cover topics including data mining, data analytics, visualization, data management and programming that connect with the latest computing technologies such as artificial intelligence and quantum computing.

Course Code	Course Title
ITW 3230	Data Visualization
ITW 3432	Introduction to Data Analytics
ITW 4135	Advanced Data Analytics
ITW 4136	Knowledge Discovery and Data Mining

Total Credit Hours (123 Hours)