BSc DIGITAL & TECHNOLOGY SOLUTIONS
STRUCTURE FULL TIME SEPTEMBER START DELIVERY

LEVEL 4 (YEAR 1)

WINTER: SEPT - JAN
- COM411 Problem Solving through Programming 20 CATS
- COM412 Introduction to Networks & Security 20 CATS

SPRING: JAN - MAY
- COM417 Introduction to Databases 20 CATS
- Spring Pathway Module 20 CATS

SUMMER: MAY - SEPT
- Summer Pathway Module 20 CATS
- COM423 Systems Analysis & Design Work Based Project 20 CATS

Pathway Modules - Spring
- **SOFTWARE ENGINEER / IT CONSULTANT:** COM422 Software Testing & reliability Engineering
- **BUSINESS ANALYSIS / DATA ANALYST:** COM417 Data Analysis Tools & Application
- **NETWORK ENGINEER / CYBER SECURITY ANALYST:** COM415 Cyber Security Essentials

Pathway Modules - Summer
- **IT CONSULTANT / BUSINESS ANALYSIS:** COM419 Web Technologies
- **NETWORK ENGINEER / CYBER SECURITY ANALYST:** COM414 Routing & Switching
- **SOFTWARE ENGINEERING / DATA ANALYST:** COM421 Data Structures, Algorithms and Mathematics

LEVEL 5 (YEAR 2)

WINTER: SEPT - JAN
- Winter Pathway Module 20 CATS
- Winter Pathway Module 20 CATS

SPRING: JAN - MAY
- Spring Pathway Module 20 CATS
- Spring Pathway Module 20 CATS

SUMMER: MAY - SEPT
- COM530 Work Based Business Organisation & Project Management C20 CATS
- COM532 Work Based IT Project Management CATS

Pathway Modules

SOFTWARE ENGINEERING
WINTER
- COM528 Object Orientated Design & Development
- COM519 Advanced Database Systems

SPRING
- COM526 Introduction to AI
- COM527 Mobile Application Development

NETWORK ENGINEER
WINTER
- COM515 Enterprise Networks
- COM511 Network Systems Automation

SPRING
- COM512 Network Security
- COM513 Network Engineering

CYBER SECURITY SPECIALIST
WINTER
- COM521 Ethical Hacking & Pen Testing
- COM511 Network Systems Automation

SPRING
- COM512 Network Security
- COM522 Threat Intelligence Analysis

DATA ANALYST:
WINTER
- COM517 Analytics & Business Intelligence
- COM519 Advance Database Systems

SPRING
- COM529 Economic & Financial Analysis
- COM526 Introduction to AI

BUSINESS ANALYST:
WINTER
- COM517 Analysis & Business Intelligence
- COM519 Advanced Database Systems

SPRING
- COM518 Web Application Development
- COM524 Digital Marketing

IT CONSULTANT:
WINTER
- COM528 Object Oriented Design & Dev
- COM519 Advanced Database Systems

SPRING
- COM529 Economics & Financial Analysis
- COM520 Human Computer Interaction

LEVEL 6 (YEAR 3)

WINTER: SEPT - JAN
- Winter Pathway Module 20 CATS
- Winter Pathway Module 20 CATS

SPRING: JAN - MAY
- Spring Pathway Module 20 CATS
- Spring Pathway Module 20 CATS

SUMMER: MAY - SEPT
- COM625 Synoptic Work Based IT Project & Presentation 40 CATS

Pathway Modules

SOFTWARE ENGINEERING
WINTER
- COM619 DevOps
- COM624 Machine Learning

SPRING
- COM618 Data Science
- COM617 Industrial Consulting Project

NETWORK ENGINEER
WINTER
- COM615 Network Management
- COM611 Computer Systems & Architecture

SPRING
- COM617 Industrial Consulting Project
- COM614 Cloud Computing & Visualisation

CYBER SECURITY SPECIALIST
WINTER
- COM613 CyberOps
- COM615 Network Management

SPRING
- COM614 Cloud Computing & Visualisation
- COM617 Industrial Consulting Project

DATA ANALYST:
WINTER
- COM624 Machine Learning
- COM621 UX Strategies

SPRING
- COM618 Data science
- COM617 Industrial Consulting Project

BUSINESS ANALYST:
WINTE
- COM621 UX Strategies
- ACC334 International Financial Reporting

SPRING
- COM618 Data Science
- COM617 Industrial Consulting Project

IT CONSULTANT:
WINTER
- COM621 UX Strategies
- COM619 Dev Ops

SPRING
- COM618 Data Science
- COM617 Industrial Consulting Project

🟩 **Core Modules** 🟨 **Pathway Modules**

Modules may be subject to revision to maintain currency

BSc DIGITAL & TECHNOLOGY SOLUTIONS
STRUCTURE FULL TIME JANUARY START DELIVERY

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Pathway Modules - Summer
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LEVEL 5 (YEAR 2)

SPRING: JAN - MAY
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- Spring Pathway Module 20 CATS

SUMMER: MAY - SEPT
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- COM532 Work Based IT Project Management CATS

WINTER: SEPT - JAN
- Winter Pathway Module 20 CATS
- Winter Pathway Module 20 CATS

Pathway Modules

SOFTWARE ENGINEERING
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  - COM519 Advanced Database Systems
- SPRING
  - COM526 Introduction to AI
  - COM527 Mobile Application Development

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  - COM511 Network Systems Automation
- SPRING
  - COM512 Network Security
  - COM513 Network Engineering

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  - COM511 Network Systems Automation
- SPRING
  - COM512 Network Security
  - COM522 Threat Intelligence Analysis

DATA ANALYST:
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  - COM528 Object Oriented Design & Dev
  - COM519 Advanced Database Systems
- SPRING
  - COM529 Economics & Financial Analysis
  - COM520 Human Computer Interaction

BUSINESS ANALYSIS:
- WINTER
  - COM517 Analysis & Business Intelligence
  - COM519 Advanced Database Systems
- SPRING
  - COM518 Web Application Development
  - COM524 Digital Marketing

IT CONSULTANT:
- WINTER
  - COM528 Object Oriented Design & Dev
  - COM519 Advanced Database Systems
- SPRING
  - COM529 Economics & Financial Analysis
  - COM520 Human Computer Interaction

LEVEL 6 (YEAR 3)

SPRING: JAN - MAY
- Spring Pathway Module 20 CATS
- Spring Pathway Module 20 CATS

SUMMER: MAY - SEPT
- Work Based Study

WINTER: SEPT - JAN
- Winter Pathway Module 20 CATS
- Winter Pathway Module 20 CATS

SPRING & SUMMER: JAN - MAY
- COM625 Synoptic Work Based IT Project & Presentation 40 CATS

Pathway Modules

SOFTWARE ENGINEERING
- WINTER
  - COM619 DevOps
  - COM624 Machine Learning
- SPRING
  - COM618 Data Science
  - COM617 Industrial Consulting Project

NETWORK ENGINEER
- WINTER
  - COM615 Network Management
  - COM611 Computer Systems & Architecture
- SPRING
  - COM614 Cloud Computing & Visualisation
  - COM617 Industrial Consulting Project

CYBER SECURITY SPECIALIST
- WINTER
  - COM613 CyberOps
  - COM615 Network Management
- SPRING
  - COM614 Cloud Computing & Visualisation
  - COM617 Industrial Consulting Project

DATA ANALYST:
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  - COM624 Machine Learning
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  - COM617 Industrial Consulting Project

BUSINESS ANALYSIS:
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  - COM621 UX Strategies
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- SPRING
  - COM618 Data Science
  - COM617 Industrial Consulting Project

IT CONSULTANT:
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  - COM621 UX Strategies
  - COM619 Dev Ops
- SPRING
  - COM618 Data Science
  - COM617 Industrial Consulting Project

Core Modules | **Pathway Modules**

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