

# BACHELOR OF INFORMATION TECHNOLOGY (BIT)

## COURSE PROGRESSION PLAN

Year 1	
Semester 1	Semester 2
<b>Unit Code: ICT101</b> <b>Unit Name: Introduction to Information Technology</b> Core Unit; (Pre-req:) Nil	<b>Unit Code: ICT105</b> <b>Unit Name: Computer Networking</b> Core Unit; (Pre-req:) Nil
<b>Unit Code: ICT102</b> <b>Unit Name: Algorithms and Programming Techniques</b> Core Unit; (Pre-req:) Nil	<b>Unit Code: ICT106</b> <b>Unit Name: Database Management Systems</b> Core Unit; (Pre-req:) Nil
<b>Unit Code: ICT103</b> <b>Unit Name: Ethical and Social Issues in Information Technology</b> Core Unit; (Pre-req:) Nil	<b>Unit Code: MGT102</b> <b>Unit Name: Organisational Behaviour</b> Core Unit; (Pre-req:) Nil
<b>Unit Code: BUS101</b> <b>Unit Name: Critical Thinking and Communication for IT Professionals</b> Core Unit; (Pre-req:) Nil	<b>Unit Code: ICT108</b> <b>Unit Name: Systems Analysis and Design</b> Core Unit; (Pre-req:) Nil
<b>Exit Option - No</b>	

Year 2	
Semester 1	Semester 2
<b>Unit Code: ICT201</b> <b>Unit Name: Object Oriented Programming</b> Core Unit; (Pre-req:) ICT102, ICT108	<b>Unit Code: ICT205</b> <b>Unit Name: Data Analytics</b> Core Unit; (Pre-req:) ICT106
<b>Unit Code: ICT202</b> <b>Unit Name: Web Application Development</b> Core Unit; (Pre-req:) ICT102, ICT106	<b>Unit Code: ICT206</b> <b>Unit Name: Cloud Computing</b> Core Unit; (Pre-req:) ICT105
<b>Unit Code: ICT203</b> <b>Unit Name: Social Media &amp; Digital Marketing</b> Core Unit; (Pre-req:) BUS101	<b>Unit Code: ICT207</b> <b>Unit Name: IT Project Management</b> Core Unit; (Pre-req:) BUS101, ICT108
<b>Unit Code: ICT204</b> <b>Unit Name: Introduction to Cyber Security</b> Core Unit; (Pre-req:) ICT105	<b>Unit Code: Select Major Unit 1 (Specialisation Unit)</b> <b>Unit Name: Select Major Unit 1 (Specialisation Unit)</b> Core Unit; (Pre-req:) Based on Major Unit selected

Year 3	
Semester 1	Semester 2
<b>Unit Code: ICT301</b> <b>Unit Name: IT Service Management</b> Core Unit; (Pre-req:) BUS101, BUS106	<b>Unit Code: ICT305</b> <b>Unit Name: Internet of Things (IOT)</b> Core Unit; (Pre-req:) ICT201
<b>Unit Code: ICT302</b> <b>Unit Name: Big Data</b> Core Unit; (Pre-req:) ICT106, ICT205	<b>Unit Code: ICT306</b> <b>Unit Name: IT Strategy, Governance and Risk</b> Core Unit; (Pre-req:) ICT103
<b>Unit Code: Select Major Unit 2 (Specialisation Unit)</b> <b>Unit Name: Select Major Unit 2 (Specialisation Unit)</b> Core Unit; (Pre-req:) Based on Major Unit selected	<b>Unit Code: Select Major Unit 3 (Specialisation Unit)</b> <b>Unit Name: Select Major Unit 3 (Specialisation Unit)</b> Core Unit; (Pre-req:) Based on Major Unit selected
<b>Unit Code: ICT307</b> <b>Unit Name: Capstone Project A</b> Core Unit; (Pre-req:) ICT207, ICT106, ICT108	<b>Unit Code: ICT307</b> <b>Unit Name: Capstone Project B</b> Core Unit; (Pre-req:) Completion of Capstone Project A

**MAJOR UNITS FOR SPECIALISATIONS**

**SELECT 3 MAJOR UNITS ACCORDING TO YOUR SPECIALIZATION**

**ALL MAJOR UNITS SHOULD BE SELECTED FROM THE SAME SPECIALIZATION CATEGORY**

<b>Digital Transformation Sub-Group (Specialisation)</b>	<b>Cyber Security Sub-Group (Specialisation)</b>	<b>Business Information Systems Sub-Group (Specialisation)</b>
<b>Units</b>	<b>Units</b>	<b>Units</b>
<p><b>Unit Code: BUS201</b>  <b>Unit Name: Digital Transformation in Business</b>                      Core Unit; (Pre-req:) ICT103, ICT203</p>	<p><b>Unit Code: ICT211</b>  <b>Unit Name: Ethical Hacking &amp; Penetration Testing</b>                      Core Unit; (Pre-req:) ICT103, ICT204</p>	<p><b>Unit Code: BUS221</b>  <b>Unit Name: Accounting Principles for IT Professionals</b>                      Core Unit; (Pre-req:) ICT103, BUS101, BUS106</p>
<p><b>Unit Code: BUS301</b>  <b>Unit Name: Disruptive Technology &amp; Organisational Change</b>                      Core Unit; (Pre-req:) BUS201</p>	<p><b>Unit Code: ICT311</b>  <b>Unit Name: Applied Cryptography</b>                      Core Unit; (Pre-req:) ICT102</p>	<p><b>Unit Code: BUS223</b>  <b>Unit Name: Finance for IT Professionals</b>                      Core Unit; (Pre-req:) BUS101</p>
<p><b>Unit Code: BUS302</b>  <b>Unit Name: Fintech</b>                      Core Unit; (Pre-req:) BUS201</p>	<p><b>Unit Code: ICT312</b>  <b>Unit Name: Digital Forensic</b>                      Core Unit; (Pre-req:) ICT204</p>	<p><b>Unit Code: MGT301</b>  <b>Unit Name: Entrepreneurship &amp; New Venture Creation</b>                      Core Unit; (Pre-req:) ICT203</p>
<p><b>Unit Code: BUS303</b>  <b>Unit Name: User Experience</b>                      Core Unit; (Pre-req:) ICT108, BUS201</p>	<p><b>Unit Code: ICT313</b>  <b>Unit Name: Cloud Security &amp; Privacy</b>                      Core Unit; (Pre-req:) ICT206</p>	<p><b>Unit Code: BUS301</b>  <b>Unit Name: Disruptive Technology &amp; Organisational Change</b>                      Core Unit; (Pre-req:) Nil</p> <p><b>OR</b>  <b>Unit Code: BUS302</b>  <b>Unit Name: Fintech</b>                      Core Unit; (Pre-req:) Nil</p>