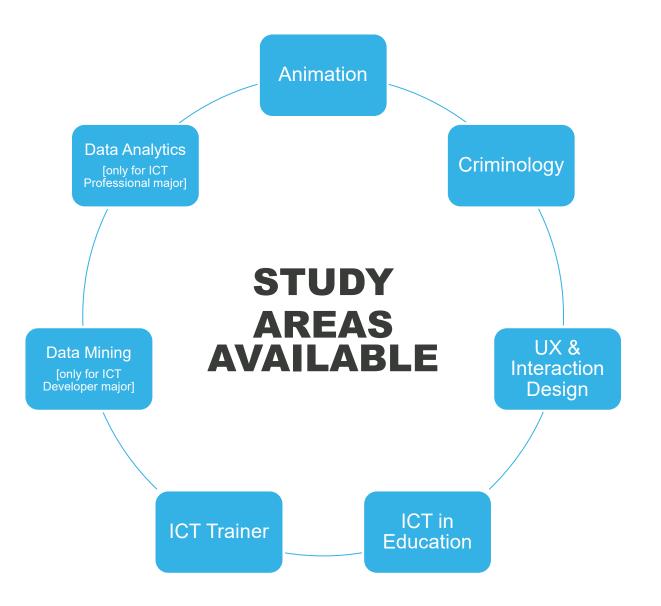# BACHELOR OF INFORMATION TECHNOLOGY
DISCIPLINE ELECTIVE PATHWAYS - CALLAGHAN

These pathways have been created to provide guidance for Bachelor of Information Technology students wishing to specialise in a second discipline area with their elective courses.

Each pathway has been selected to complement the content of the Bachelor of Information Technology program with consideration of pre-requisites. Please note that these pathways are suggestions only and will not be noted formally on the final degree certificate.

Students are welcome to enrol in any elective provided that they satisfy the pre-requisites, and they adhere to the rules regarding maximum number of 1000 level courses in their program. For a full list of UON courses, visit the course handbook.

STUDY AREAS AVAILABLE

- Animation
- Criminology
- UX & Interaction Design
- ICT in Education
- ICT Trainer
- Data Mining [only for ICT Developer major]
- Data Analytics [only for ICT Professional major]

Recommended Electives for Information Technology Program

Animation

Complete the following:

DESN1801	**Animation Thinking**
DESN2801	**Animation Process**
DESN2802	**Animation Production**
DESN3801	**Animation Studio**

Criminology

Complete the following:

CRIM1010	**Introduction to Criminology**
CRIM1020	**Victimology**
CRIM2001	**Criminal Justice in Practice**
CRIM3040	**Forensic Evidence (TBC 2023)**

UX & Interaction Design

Complete the following:

DESN1600	**Interaction and UX Design Fundamentals**
DESN2600	**Designing for Game Play**
DESN2610	**Experience Design Studio**
DESN3600	**Experimental Interfaces and Tangible Interaction Design**

ICT in Education

Complete the following:

EDUC1038	**Foundations of Secondary Education**
EDUC1103	**Schooling, Identity and Society**
EDUC2102	**Education Psychology: Learners and the Leaning Process**
EDUC2200	**The Future of Teaching and Learning**

ICT Trainer

Complete the following:

EDUC6036	**Education Leadership and ICT**
EDUC6117	**Building High-Quality Learning Environments**
EDUC6351	**Data Mining for School Leaders**
EDUC6353	**Leading and Managing Education Change**

Data Mining
[only for ICT Developer major]

Complete the following:

MATH1110	**Mathematics for Engineering**
STAT2110	**Engineering Statistics**
COMP2230	**Algorithms**
COMP3340	**Data Mining**

Data Analytics
[only for ICT Professional major]

Complete the following:

STAT1100	**Data Wrangling**
STAT2020	**Predictive Analytics**
STAT2110	**Engineering Statistics**
STAT3100	**Systems Thinking in an Integrated Workforce**