COMPUTING HONOURS

WHAT?

- One-year, end-on honours program (AQF Level 8)
- Focused on developing computing research skills

WHO?

- B.CompSci, B.DataSci, B.InfoTech graduates
- Entry also possible for graduates from other disciplines

HOW?

- Individual research project, supervised by an academic
- Directed courses in research methods and/or advanced computing

WHY?

- Preparation for (1) professional practice or (2) to meet the requirements for admission to a research degree (e.g. MPhil, PhD)
- Engagement with academia and/or industry
- (e.g. industry-based, research group-based, individual project)

PROGRAM STRUCTURE

End-On Honours (1 Year)

- Research project, supervised by an academic
- Directed courses in research methods and/or advanced computing

Pre-Admission (September – January)

- Discuss research project proposal with an academic supervisor
- Closing date: Early February

Semester 1

- Computing Honours Part 1 (20 units)
- Directed courses (20 units)
  -INFT4000 (10 units) & INFT4010 (10 units) or
  -BUSN4100 (20 units)

Semester 2

- Computing Honours Part 2 (40 units)
- Thesis submission

EXAMPLE AREAS

Applied Computing (e.g. defence, education, health), Artificial Intelligence and Machine Learning, Cloud Computing, Cybersecurity, Evolutionary and Memetic Computing, Human-Computer Interaction, Information Management and Data Visualization, Optimisation (e.g. supply chain, logistics), Simulation, Software Engineering, User Interface Design and Virtual Reality

WHY COMPUTING (HONOURS)?

- Maximize your career potential by engaging with leading researchers and industry experts to advance knowledge in a specific area of computing
- Expand your career options through supervision and mentorship from experienced academics
- Develop advanced technical and critical thinking skills for solving complex challenges in academia and industry
- Develop ability to undertake self-directed, in-depth analysis in any area of computer science or information technology and meet the requirements for admission to a research degree (e.g. MPhil, PhD)