



## TERMS OF REFERENCE

### **REVIEW OF THE UNDERGRADUATE AND POSTGRADUATE PROGRAMS IN MATHEMATICAL SCIENCES OFFERED BY THE FACULTY OF ENGINEERING, COMPUTER AND MATHEMATICAL SCIENCES**

The Faculty of Engineering, Computer and Mathematical Sciences offers the following programs:

- Bachelor of Mathematical Sciences
- Bachelor of Mathematical Sciences (Honours)
- Bachelor of Mathematical and Computer Sciences
- Bachelor of Mathematical and Computer Sciences (Honours)
- Double Degrees with Bachelor of Mathematical Sciences
- Bachelor of Mathematical Sciences (Advanced)
- Master of Mathematical Sciences

The Review is conducted within the University's five-year Program Review cycle. The Review will take into account the views of all relevant internal stakeholder groups, including students, staff and other relevant academic areas of the University, and of all relevant external stakeholder groups including employers, alumni and representatives of relevant professions.

Both the Faculty Self-Evaluation process and report, and the Review Panel assessment, should address the Aims of Program Reviews which are as follows:

- To evaluate the quality of the curriculum and its delivery in UG and PG coursework programs in relation to the expectations set out in relevant University strategies and the University's Graduate Attributes, national and international trends in the discipline(s) and, where relevant, accreditation by professional statutory and regulatory bodies;
- To evaluate the quality of program governance, management and enhancement processes, including approaches to working with students as partners and to external engagement;
- To assess the program's progress since the previous review, with reference to the outcomes of the implementation plan in response to the recommendations of that review;
- To identify and give recognition to best practice and successful outcomes;
- To identify opportunities and priorities for development and enhancement, including for curriculum renewal and enhancement of delivery, and with a focus on student recruitment, experience, engagement, satisfaction, retention, academic performance, graduate destinations and employer satisfaction;

- To identify areas where resources and support might be needed to enable enhancement priorities to be addressed;
- To ensure that a high standard of academic program awards is maintained.

The Review Panel is asked to assess the Faculty's self-evaluation and its enhancement proposals for the program(s) under review, and make evidence-based recommendations. The following areas of consideration are in scope of the Review Panel's assessment of the quality of the program(s) and of the enhancement proposals:

1. Overall coherence of the program and alignment of program learning outcomes with the University's Graduate Attributes;
2. Curriculum currency and relevance in light of discipline trends and to enable positive graduate outcomes;
3. Opportunities for enhancement of student engagement and success through development and innovation in learning and teaching, and of academic aspects of student orientation and continued transition support especially in the first year;
4. Performance against internal targets and benchmarked indicators relating to student satisfaction, retention and progression, and to graduate employment destinations and graduate employer satisfaction;
5. Faculty/school governance and management of the program(s) and the extent to which these ensure:
  - that the structure, content, quality and overall coherence of the program(s) and its courses are developed, evaluated and enhanced;
  - inclusive and systematic participation and input from all relevant stakeholder groups including internal specialist services, students, alumni and employers;
6. Future demand and growth opportunities for the program (based on available evidence and in relation to domestic and international markets);
7. Adequacy and transparency of information provided to prospective students and current students, and effectiveness of communications with students;
8. The use of human, physical and financial resources in delivering the program, noting that decisions on the provision of additional resources remain at the University's discretion.