

## 8.4 ADVANCED DEGREES

The Advanced Program is designed specifically for high achieving students. It offers a greater degree of flexibility in program design through: the opportunity to undertake individual research subjects at second, third and fourth year level; the opportunity to progress at a faster rate through the use of “fast tracking” mechanisms; the chance to participate in various enrichment activities and to develop a close association with an appropriate member of one of the School’s research teams. In the final year, all students undertake a substantial piece of supervised research in their major discipline together with other required seminar and/or course work.

The Advanced Program may be undertaken in the following degrees by students entering with a UAI of at least 90:

Bachelor of Science – Advanced (Honours)

Bachelor of Biotechnology – Advanced

Bachelor of Environmental Science – Advanced

Bachelor of Marine Science - Advanced

Bachelor of Medicinal Chemistry – Advanced

Bachelor of Nanotechnology - Advanced

The Program also offers an opportunity for students to complete an Honours degree in less than four years through the use of the University’s Summer Session and other “fast-tracking” mechanisms such as automatic approval to undertake heavier than usual study workloads.

Each student will be invited to participate in various enrichment activities throughout the program and, after first year, to develop a close association with an appropriate member of one of the Faculty’s research teams. In the final year, all students undertake a substantial piece of supervised research in their major discipline together with other required seminar and/or course work. Graduates may then be eligible for direct enrolment in a research Doctorate or other postgraduate degree or employment as a professional scientist.

Students are required to fulfil all the normal degree and Honours requirements and in the case of the BSc may select their major study program from any of those available within the Faculty.

### **Progression Requirements**

In order to maintain a place in an Advanced Science degree, students are normally required to achieve at least a Distinction average (75%) in the 200 and 300 level subjects completed. Once students in the Advanced program have completed 72 credit points, the Associate Dean reviews each student’s performance annually.

Students with an exceptionally high level of performance after first year may be invited to enter the program. Transfer will not be considered before completion of the first year of the course and is based on at least a Distinction average (75%) taken over all subjects completed, and the approval of the Dean or Associate Dean.

Please note that for a BSc Advanced (Honours) Program in Physics contact the School of Engineering Physics in the Faculty of Engineering.

### **Special Research Project subjects at 200-level for Advanced Science students**

The opportunity to gain early research experience is available to Advanced Science students by enrolling in the following individual project subjects after completion of 48 credit points:

**BIOL292 Special Biology Studies**

**CHEM218 Special Chemistry Studies**

**EESC260 Earth and Environmental Sciences Research Project**

### **Research Assistantships**

The opportunity to obtain paid research experience is available to Advanced Science students through the Research Assistantships program. Students can apply to work as Research Assistants with leading researchers on their nationally competitive research grants. Applications for Research Assistantships open twice per year and are administered through the Science Faculty Office.