

## Graduate Profile for the BSc

**The Faculty of Science Graduate Profile is a description of the learning outcomes, personal qualities, skills and attributes a student is expected to have acquired by the end of an undergraduate Science degree programme at the University.**

A student who has completed an undergraduate degree in The Faculty of Science of The University of Auckland will have had the opportunity to acquire an education at an advanced level, including both specialist knowledge and general intellectual and life skills that equip them for research, employment and citizenship and lay the foundations for a lifetime of continuous learning and personal development.

Students who graduate from the BSc at the University of Auckland will have had the opportunity to acquire the following attributes:

### **Specialist knowledge**

1. An understanding of concepts, theories and empirical results in their chosen major(s), meeting entry-level requirements of employers in science-based institutions and/or sufficient for progression to post-graduate study.
2. Practical, analytical and/or research skills which enable access to work in a related field and/or progression to post-graduate study.
3. An understanding of scientific methods and approaches, the ability to reason logically, think critically and analytically, and use scientific principles to analyse or solve complex problems.
4. An understanding of current issues and debates in the majoring fields of knowledge.

### **General intellectual skills and capacities**

1. An ability to find information, and evaluate it critically. An ability to use, manage, present, and communicate information in English and/or Māori, including with the use of modern information technology.
2. A level of numeracy and computational literacy which enables competent performance of functions expected of a science graduate, and an understanding of qualitative and quantitative information as required.
3. Personal and professional integrity, and respect for the ethics of research and scholarly activity.
4. An awareness of international and global dimensions of intellectual, political and economic activities, and of the distinctive qualities of Aotearoa/New Zealand.

### **Personal qualities**

1. An enthusiasm for ideas, discovery and learning, and intellectual curiosity as a basis for lifelong learning and for an informed contribution to society.
2. An ability to work independently, with the ability and self-discipline to plan and achieve personal and professional goals.
3. An ability to work collaboratively with others, interacting effectively and demonstrating respect for others and an appreciation of human and cultural diversity.
4. An ability to lead in the community, including a willingness to engage in constructive public discourse and accept social and civic responsibilities.

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