Biotechnology and Biomolecular Sciences (BABS)

The School of BABS is advancing cellular and biomolecular science to make a real difference in the world. By investigating and understanding life at the molecular and cellular level, including life from some of the most extreme environments on earth, our students help solve real-world challenges. Our students benefit from world-class facilities including the Ramaciotti Centre for Genomics, which houses next generation genomic sequencing technology.

Undergraduate Studies in BABS

Bachelor of Science (Biotechnology) Specialist Degree

Specialised degrees offer a more structured study program directed towards employment in a particular professional career. The Bachelor of Science (Biotechnology) provides comprehensive training in all aspects of the multi-disciplinary field of biotechnology. The program includes fundamental teaching in the life sciences, applications of these principles and discussion of commercial and patent considerations. It also incorporates a research-based Honours year providing students with greater experience and confidence in the practice of scientific methods.

The School of BABS offers the following majors:

- Biotechnology
- Microbiology
- Molecular and Cell Biology
- Biotechnology

Career Opportunities

The degree programs offered by the School of Biotechnology and Biomolecular Sciences promote a variety of career paths within as well as outside of the sciences. Our graduates work in government and privately sponsored industries in areas ranging from policy-making, management, production, quality control and research, to education.

Our programs provide excellent training in scientific methodology, creative thinking, organisational skills, problem solving and analytic skills highly valued by all employers. In addition, communication and information literacy are also emphasised, giving our graduates a competitive edge for careers in journalism, business and management.

Admissions Details

<table>
<thead>
<tr>
<th>Program</th>
<th>UAC code</th>
<th>UNSW program code</th>
<th>Length of study</th>
<th>Cut-off</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Science (Biotechnology)</td>
<td>429400</td>
<td>3052</td>
<td>4 years full-time</td>
<td>ATAR 84.00 (IB 31 or equivalent)</td>
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<tr>
<td>Bachelor of Life Sciences</td>
<td>429050</td>
<td>3886</td>
<td>3 years full-time</td>
<td>ATAR 80.00 (IB 29 or equivalent)</td>
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<tr>
<td>Bachelor of Science</td>
<td>429100</td>
<td>3970</td>
<td>3 years full-time</td>
<td>ATAR 84.00 (IB 31 or equivalent)</td>
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<tr>
<td>Bachelor of Science (Advanced)</td>
<td>429350</td>
<td>3972</td>
<td>4 years full-time</td>
<td>ATAR 95.00 (IB 37 or equivalent)</td>
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<tr>
<td>Bachelor of Science (International)</td>
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<td>3887</td>
<td>4 years full-time</td>
<td>ATAR 87.00 (IB 32 or equivalent)</td>
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<tr>
<td>Bachelor of Science and Business</td>
<td>429100</td>
<td>3925</td>
<td>3 years full-time</td>
<td>ATAR 90.00 (IB 34 or equivalent)</td>
</tr>
</tbody>
</table>

Any of the BABS majors can be studied within the following degree programs:

Bachelor of Life Sciences

The Bachelor of Life Sciences brings together the biological, environmental and medical sciences into a far-reaching and fascinating field of study. The life sciences domain will satisfy your innate curiosity about life, from the way things work at the molecular level, to the study of entire ecosystems.

Bachelor of Science

This degree program provides the widest range of options for study in more than 20 majors of science, providing flexibility and choice as well as insights into different scientific fields.

Bachelor of Science (Advanced)

This degree program is designed to challenge talented students, providing an early window into the thinking and practice of research. This program differs from the Bachelor of Science by the inclusion of advanced level courses, an Honours year, and options tailored to an individual’s aptitude and interests. Students will develop a working knowledge in areas of scientific investigation, and gain practical experience in research and discovery techniques.

Bachelor of Science (International)

The Bachelor of Science (International) degree offers flexibility and choice, with more than 20 fields of study combined with a study exchange to an overseas partner institution. The program comprises a science-based major, a minor in a language, electives that cover cultural studies, international business, development studies and globalisation, and an overseas exchange for two semesters at an approved partner university. The Faculty of Science provides students with a contribution towards the expenses of the overseas exchange.

Bachelor of Science and Business

The Bachelor of Science and Business degree allows students to follow their passion for science and, at the same time, gain vitally important business knowledge to expand their career options. In addition to completing a science major, students select business courses in marketing, business law and/or management.

Dual Degrees

Dual degrees enable students to combine a Science program with a program from another faculty, opening greater flexibility to explore individual interests, expand skill bases and broaden career prospects.

A fourth Honours year is available in a number of BABS degree programs and can be undertaken by students who have maintained a credit average or above. The Honours year involves a full-time research project supervised by a BABS researcher. More information about the benefits of Honours is available on the BABS website babs.unsw.edu.au
Student Testimonials

“\[\text{I really enjoyed the flexibility that a BABS major gave me to discover and explore the area of biology that I was most passionate about. There was so much opportunity to interact with academics who were specialists in their field and to gain research experience as an undergraduate. Overall BABS has had a really positive influence on my decision to continue my studies in science.}\\
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**Aleksandra Skoric**
Honours student in Molecular Biology

“\[\text{My research in BABS as part of my program has been a challenging yet valuable learning experience. There are plenty of excellent academics who have boundless enthusiasm and support to enrich my learning experience, and dedicated researchers who have inspired me to strive for success.}\\
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**Christopher Ngan**
Postgraduate student in Molecular Biology

School Contact Details

**School of Biotechnology and Biomolecular Sciences**
UNSW Australia
Biological Sciences Building
BSB Student Office
Ground floor, Room G27
Kensington NSW 2033

Tel: +61 2 9385 8047
Email: babstudent@unsw.edu.au
Website: www.babs.unsw.edu.au

Science Marketing Contact Details

**Science Student Centre**
Room 128 Robert Webster Building
UNSW Australia
Sydney, NSW Australia 2052

Tel: +61 2 9385 7788
Email: studyscience@unsw.edu.au
Website: www.science.unsw.edu.au

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