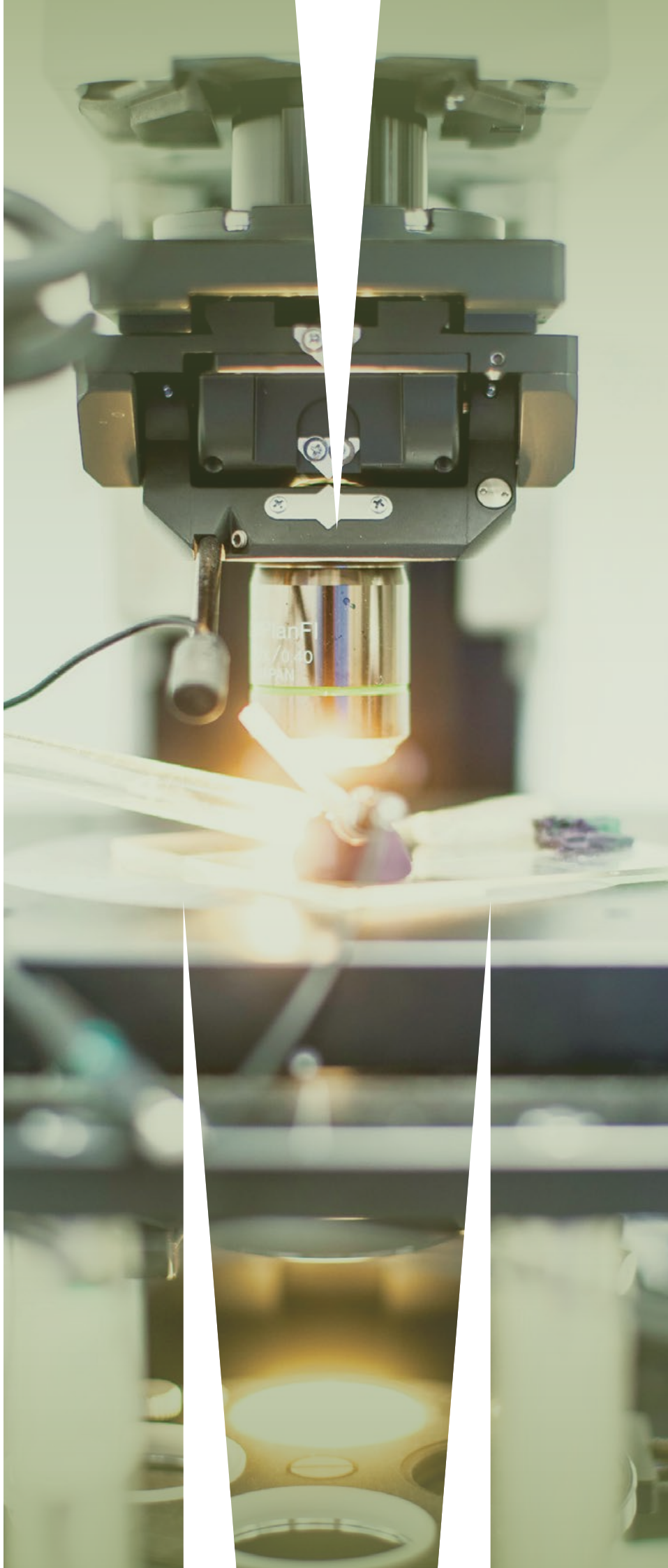


**BACHELOR OF  
SCIENCE ADVANCED  
– RESEARCH  
(HONOURS)**

[study.monash](https://study.monash)





**ETHAN PAYNE**  
**Science Advanced Graduate**

Enrolling in the Bachelor of Science Advanced Research (Hons) degree gave Ethan the ability to tailor his studies to fit his goals. The course provided him with the opportunity for hands-on research from his very first year. He started working with the Gravitational Wave Group at Monash in his first year, which provided him opportunities to lead three studies which were published during his degree. He particularly enjoyed being a part of the community surrounding the course and being placed among students who also enjoyed exploring scientific research.

"One of the highlights in my course was receiving an invitation to join the LIGO Scientific Collaboration," Ethan said.

"I was able to travel to Washington to work on the absolute calibration of the LIGO gravitational-wave detector to ensure the accuracy of these measurements of spacetime ripples," he said.

"I've had the pleasure of being able to work with internationally renowned researchers on a variety of projects. This has helped me build a global network of collaborators."

Since graduating Ethan has accepted a PhD placement at the California Institute of Technology (Caltech) with the LIGO Data Analysis Group.

## FAST TRACK YOUR RESEARCH CAREER WITH THIS UNIQUE COURSE

Monash Science is renowned for its flexible approach, which enables students to tailor their course to suit their strengths and interests.

The Bachelor of Science Advanced – Research (Honours) allows you to pursue the scientific areas that interest you. In consultation with our expert course advisors you'll be able to accelerate your learning according to your own interests and abilities. If you know that a career in research is for you, then this course will help you achieve your goals.

## DO YOU SEE YOUR FUTURE IN RESEARCH?

As a scientist, you will play an important role in developing cutting edge technologies, therapies and initiatives that address some of the greatest challenges to society. You may be instrumental in policy making, research and teaching, addressing issues associated with health care and social well-being. You may also be employed in traditional and emerging areas where expertise in life sciences, geosciences, mathematics and statistics, computer sciences and the physical sciences is important.

The Bachelor of Science Advanced – Research (Honours) will help you foster your passion for science and set you up for a career in research, under the watchful eyes of some of the world's leading science researchers.

## To me, science is all about creativity. It's a creative pursuit to uncover some of the truths of nature.

### WORK ALONGSIDE THE WORLD'S BEST

Monash Science is home to research and teaching at the forefront of its field – the work of its people changes lives, shapes our conversation and provides new ways to view and understand our world. Their work – exploring the way atoms behave, understanding the inside of stars, conserving waterways, cultivating cures for disease, studying behaviour – doesn't just take place in a lab or the class room.

Our people can be found across the globe, finding answers to some of the most challenging questions we as a human race can imagine. This course enables you to learn from these people while working towards developing your own research strengths.

To find out more about Monash Science research, visit [monash.edu/science-stories](http://monash.edu/science-stories)

### MENTORS

In addition to the formal course requirements, you will have the opportunity to be paired with a mentor who will monitor your progress and guide you along the path to scientific excellence.

### PRACTICAL SKILLS

Students will graduate from this course with strong skills in teamwork, collaboration, communication, project management, and the ability to collect, organise, analyse, interpret and present data meaningfully. These skills are vital in a research context, and can be applied to any career path.

### RESEARCH PROJECTS OPPORTUNITIES

Students in this course access unique research opportunities during their degree. Options include funded summer research projects exclusively for Advanced degree students, competitive travel opportunities to present at the International Conference for Undergraduate Research, and guaranteed access to full-semester project units in third-year (second year in some Schools). Combined with the flexibility to accelerate progress through your degree, you won't have to wait until postgraduate study to experience real research alongside leading Monash scientists.

## Further information

[monash.edu/science/advanced-research](http://monash.edu/science/advanced-research)

**1800 MONASH (1800 666 274)**

The information in this brochure was correct at the time of publication (July 2021). Monash University reserves the right to alter this information should the need arise. You should always check with the relevant Faculty office when considering a course.

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