



MONASH
University

**BACHELOR OF
SCIENCE ADVANCED –
GLOBAL CHALLENGES
(HONOURS)**

study.monash



IF YOU LOVE SCIENCE, AND YOU ARE CURIOUS, ADVENTUROUS, CREATIVE AND PREPARED TO CHALLENGE THE STATUS QUO, THIS COURSE IS FOR YOU.

Science holds the key to answering some of the most complex questions the global community faces in the twenty-first century.

The greatest challenges of our time – from managing natural resources, to feeding the world, to adapting to climate change – are heavily dependent on science-based solutions.

But to create real change, we need more than just brilliant scientific minds. We need leaders, deep thinkers, adventurers, inspirers, innovators, entrepreneurs, game-changers. We need a new generation of science graduates equipped with a broad set of skills and experiences, who want to push the boundaries of possibility.

That's why we created the Bachelor of Science Advanced – Global Challenges (Honours) – the only course of its kind in Australia. Graduates of this course will have all the opportunities available to a science honours graduate, plus many more.

You'll be perfectly placed to pursue employment with the world's leading consultancies, businesses, government, and other institutions and will be equipped with the skills to use science to address complex global challenges, and convert ideas, potential and ambition into tangible solutions.



WHAT MAKES THIS COURSE DIFFERENT?

CONTACT WITH SOME OF AUSTRALIA'S BEST LEADERS AND BRIGHTEST MINDS

This course provides unprecedented access to leaders who are changing the world through policy, entrepreneurship, business and innovation.

Learning directly from people who have demonstrated leadership from a broad range of society, you will gain a strong understanding of how to inspire others to navigate complex challenges.

ENTREPRENEURSHIP AND REAL-WORLD PROBLEM SOLVING

Social entrepreneurship forms a core part of the Bachelor of Science Advanced – Global Challenges (Honours), with the Faculty of Science providing an incubator experience to go from idea through to pitching your enterprise in a gala event to access funding.

The summit of your experiences in the course will be a year-long project during which you will work with your peers and in partnership with an external organisation to tackle an issue of real global significance.

Mentored by successful external leaders, you will work in small teams to develop innovations and solutions to approach an issue from scientific, policy, social and business perspectives.

INTERNSHIPS IN AUSTRALIA AND INTERNATIONALLY

During your course you will immerse yourself in an internship, with the choice of doing one internationally.

COMBINE SCIENCE WITH COMMUNICATION

Through interactive and intensive training, you will learn how to become a confident, effective communicator across a range of contexts. You will also learn how to effectively pitch your ideas to communicate your message.

A WORLD-CLASS SCIENCE EDUCATION

Students in this course enjoy the flexibility and breadth of subjects available in Monash Science, with the addition of subjects unique to the Bachelor of Science Advanced – Global Challenges (Honours). The diverse subject choices, quality of teaching and research and amazing facilities on offer set Monash Science apart for students looking for an inspiring and immersive science education.

“If I had to describe the course in five words, they would be: groundbreaking, provocative, interesting, unconventional – and I know it’s a simple word, but – fun!”

– Jake Port

Bachelor of Science Advanced – Global Challenges (Honours) Alumnus 2017

COURSE MAP

Semester	Units			
Year 1				
Semester 1	Science studies	Science studies	Mathematics / Statistics	Impact through science I
Semester 2	Science studies	Science studies	Selective	Impact through science I
Year 2				
Semester 1	Science studies	Science studies	Selective	Impact through science II
Semester 2	Science studies	Science studies	Elective	Impact through science II
International internship (Can be completed in year 2 or Year 3)				
Year 3				
Semester 1	Science studies	Science studies	Elective	Impact through science III
Semester 2	Science studies	Science studies	Elective	Impact through science III
International internship (Can be completed in Year 2 or Year 3)				
Year 4 (Honours)				
Impact through science project				

COURSE ENTRY INFORMATION

This course has additional entry requirements, including:

- Submission of a written statement
- Interview (in person, for shortlisted applicants)

IMPORTANT LINKS

- Find out more about what students in this course study: monash.edu/global-challenges
- Full course entry requirements and application procedures: study.monash
- Domestic applicants, and international students who are currently studying year 12 or the International Baccalaureate in Australia: vtac.edu.au
- International students are also warmly invited to apply: monash.edu/study/international

THINK SCIENCE. LEAD CHANGE.

OUR PEOPLE



CARLOS MELEGRITO

Why did you choose this course?

Ever since I was little, I have always dreamed of becoming a scientist. This course takes that dream of mine, and brings it to a whole new level. It enables me to combine my love for science with powerful skills like entrepreneurship, leadership and speakership.

What has been your experience of entrepreneurship?

I have always had a strong interest in graphic design, and while I was at school, I worked part-time as an amateur graphic designer. I was particularly interested in creating software that people could use and enjoy, so I created a suite of customisable graphic icons that I now sell online. It was an opportunity for me to explore what it would be like to create, market and sell something professionally for the first time ever. That first-hand experience allowed me to discover and develop my interest in entrepreneurship.

How do you see yourself using the skills you have developed in this course in the future?

A lot of people see science as a single discipline or simply just a body of knowledge, but it's more than that. Science is about exploring what's out there, building on top of what can be discovered, and for every problem, creating beautiful solutions that help many. I would like to combine my passions for science and design to solve problems and enhance the lives of others. I feel like this course will allow me to do exactly that, because I have learnt so much already and yet it has just only been half a year. That makes me even more excited to see what I will learn through in the years to follow, especially after being exposed to many inspiring leaders and amazing experiences.



STEPHANIE KENEALY

Why did you choose this course?

I started out in an Arts/Law course but I could see that the Global Challenges course was a very unique opportunity to blend science with communication, which is something I am very passionate about. Science needs to go hand in hand with communication as if we cannot clearly and simply convey our messages to a wide audience, our potential to make real change is severely limited.

What has your own experience of been in terms of communication and leadership?

I am the Victorian State Director for Oaktree, which is an organisation that aims to end poverty. My role involves lots of planning and strategy, as well as coordinating grass roots campaigns, logistics and communication across different channels within the organisation. The biggest challenge in the role is around leadership, and how to be a work within an environment that changes all the time. It has required a lot of resilience and flexibility.

Where do you see yourself in the future?

I am passionate about alleviating poverty. I believe we can make a drastic difference to extreme poverty within a generation. Having done a lot of volunteer work in the area I would love to pursue a project-management type role, working within a community to effect change at a grassroots level. This course is giving me so much in terms of understanding what it takes to be a great leader. It is empowering me to take my ideas and transform them into something that can make real, visible and meaningful change to the world.



DANUSHI PEIRIS

Global Challenges alumna

The experience in entrepreneurship, science and research I gained through Global Challenges has been invaluable to my day-to-day work with CSIRO Futures. Six months out of university, I can already see value in having skills in both business and science and hope to continue developing my career at this nexus.



ELLIOT KOTEK

Monash Science alumnus

Elliot is the content-chief and co-founder of Not Impossible Labs, editor-in-chief and co-founder of Beyond Cinema magazine, the former editor-in-chief of both Moving Pictures and Celebs.com and is the founder of The Nation of Artists. Through Not Impossible Labs, Elliot and his team are tackling a range of health issues, including using 3D printing technology to manufacture prosthetic limbs.



HUGH EVANS

Monash Science alumnus

Hugh is an Australian Humanitarian and former Australian of the Year. He has received domestic and international accolades for his work in promoting youth advocacy and volunteerism in order to reduce extreme poverty in developing countries. In 2003 Evans established The Oaktree Foundation, a non-government organisation that provides aid and development to countries in need across the Asia Pacific and African regions. He has since established the Global Poverty Project, a community education group that aims to increase awareness of and action towards fighting extreme poverty.

Further information

monash.edu/science/future-students/global-challenges

1800 MONASH (1800 666 274)

The information in this brochure was correct at the time of publication (June 2019).
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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