Catherine Downey is a pharmacist at the Peter MacCallum Cancer Centre. She is inspired by the impacts she has on patients’ lives and the challenges of her role.

“Every day of my job is different,” Catherine says. “My role involves completing clinical consultations with the patients on each of the wards, looking at their medication as well as providing counselling before discharge. I also dispense medications and provide information to patients through the out-patient’s pharmacy and chemotherapy day units. “Working in an oncology hospital has its challenges – due to the nature of the disease affecting all our patients. However, it is a continuously changing area of pharmacy, with so many new treatments coming onto the market. We are constantly learning.

“It is particularly satisfying to see that the work we’re doing can have a positive impact on a patient’s health and quality of life.”
### Featured course

**Bachelor of Pharmaceutical Science**

A job ready science degree about the chemistry, biology and technology of medicines. Pharmaceutical scientists play a vital role in improving human health by translating advances in medical research into medicines. They also work in related industries such as cosmetics and consumer products.

There are three unique major areas of study: drug discovery, biology, formulation sciences and medicinal chemistry. During the first year of your course you will gain a broad understanding of each area before selecting a specialisation in second year.

Graduate outcomes include roles in the pharmaceutical industry. They also work in other industries such as cosmetics, chemicals, agricultural and food products. This job-ready science degree equips students with the necessary skills to work in industry or research. Students gain valuable skills through either a research project or an industrial experience placement.

**What makes it great**

The Bachelor of Pharmaceutical Science equips students with real-world skills through either a research project or an industrial experience placement.

Be taught by the best pharmaceutical scientists in Australia and have the opportunity to undertake a research project within the internationally renowned Monash Institute of Pharmaceutical Sciences.

**Once you've graduated**

A Monash degree can take you anywhere. Pharmaceutical Science graduates find employment opportunities in the biotechnology and pharmaceutical industries. Graduates work in leading research institutions developing new medications. Opportunities also exist in associated industries such as food, agricultural, chemical and cosmetics.

Specific career roles include cell biologist, research scientist, drug analyst, development chemist, sales, patent attorney, academic, and clinical trial researcher.

### Pharmacy and Pharmaceutical Sciences

<table>
<thead>
<tr>
<th>Single degrees</th>
<th>Campus</th>
<th>Course duration</th>
<th>2012 Clearly in ATAR</th>
<th>Prerequisites</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bachelor of Pharmaceutical Science</td>
<td>On-campus (Parkville)</td>
<td>3 years FT 6 years PT</td>
<td>82.3</td>
<td>VCE: Units 3 and 4 – a study score of at least 35 in English (ESL) or 30 in any other English, and a study score of at least 30 in chemistry and mathematics (CAS) or specialist mathematics. IB: A score of at least 5 in English SL or 4 in English HL or 6 in English B SL or 5 in English B HL, and a score of at least 5 in chemistry SL or 4 in chemistry HL, and a score of at least 5 in mathematics SL or 4 in mathematics HL.</td>
</tr>
<tr>
<td>Bachelor of Pharmacy</td>
<td>On-campus (Malaysia, Parkville)</td>
<td>4 years FT</td>
<td>Range of criteria</td>
<td>VCE: Units 3 and 4 – a study score of at least 35 in English (ESL) or 30 in any other English, and a study score of at least 30 in chemistry and mathematical (CAS) or specialist mathematics. IB: A score of at least 5 in English SL or 4 in English HL or 6 in English B SL or 5 in English B HL, and a score of at least 5 in chemistry SL or 4 in chemistry HL, and a score of at least 5 in mathematics SL or 4 in mathematics HL.</td>
</tr>
</tbody>
</table>

### Double degrees

**Bachelor of Pharmacy and Bachelor of Commerce**

This course is designed for students interested in adding business skills to their pharmacy degree. The two degrees are studied consecutively, beginning with four years of full-time study at the Parkville campus for the Bachelor of Pharmacy degree, followed by two years at the Clayton campus for the Bachelor of Commerce degree.

<table>
<thead>
<tr>
<th>Campus</th>
<th>Course duration</th>
<th>Range of criteria</th>
</tr>
</thead>
<tbody>
<tr>
<td>On-campus (Parkville)</td>
<td>6 years FT</td>
<td>VCE: Units 3 and 4 – a study score of at least 35 in English (ESL) or 30 in any other English, and a study score of at least 30 in chemistry and mathematical methods (CAS) or specialist mathematics. IB: A score of at least 5 in English SL or 4 in English HL or 6 in English B SL or 5 in English B HL, and a score of at least 5 in chemistry SL or 4 in chemistry HL, and a score of at least 5 in mathematics SL or 4 in mathematics HL.</td>
</tr>
</tbody>
</table>

### A change to entry requirements for pharmacy

A Monash University Supplementary Information Form will be required for entry into the Bachelor of Pharmacy or Bachelor of Pharmacy/Commerce from 2013 onwards. Both domestic and international students need to complete this form. The form will be used in conjunction with an applicant’s ATAR score and prerequisite subjects and assesses relevant experience, interest in and motivation for the course. Applicants wishing to study pharmacy or pharmacy and commerce are no longer required to complete the UMAT. For more information visit www.pharm.monash.edu

### 2012 Indicative CSP fee

The fees that domestic students contribute while enrolled in a Commonwealth Supported Place (CSP) are listed against course offerings throughout this guide. These rates are indicative only and represent an average first-year contribution for 2012. Some adjustments will be made to fees for course commencement in 2013. Refer to www.monash.edu/fees. For the latest course details see www.monash.edu.au/study/coursefinder.