The Bachelor of Medical Studies & Doctor of Medicine
Bond University’s Medical Program

Professor Peter Jones
Dean of Medicine
THE START OF A JOURNEY THAT LEADS TO A LIFE-LONG CAREER

- Undergraduate degree @ Bond: 4 years and 8 months (14 semesters)
- 2 years of common post-graduate training (PGY1, PGY2)
- 3-6+ years of further specialty training:
  - GP: 3-4+ years
  - Dermatologist: 4 years
  - Emergency Physician: 5 years
  - Pathologist or Radiologist: 5 years
  - Physician or Paediatrician: 6+ years
  - Surgeon: 6+ years
- 4-5 years to become established in practice
In 2016 successful applicants will enrol in the Bachelor of Medical Studies, Doctor of Medicine Program.

- This will allow students to graduate with a double degree and join the future medical workforce in just 4 years and 8 months. They will graduate with:
  - A Bachelor of Medical Studies over semesters 1-8
  - Doctor of Medicine over semesters 9-14

- With a small class size of 100, the Bond MD will offer its students an unrivalled personalised learning experience and educationally unique program.

- In 2016, no other 5 year undergraduate program in Australia or New Zealand will have the program that allows its students to graduate with an MD. To achieve a combined degree with an MD takes at least 6-8 years in other Universities, with many of the G8 programs having very crowded medical classes of between 300 and 500+ in each student cohort.

- The Bond program will allow you to achieve the goal of being a doctor and pursuing your chosen field of medicine years ahead of your peers in the established “Sandstone University” Medical Programs
Medical Degrees at other Universities

Undergraduate Entry medical degree = 5 or 6 years for the MBBS*

*Only UNSW offers the BMed Studies/MD over 6 years as a School Leaver Program

Undergraduate degree (3-4 years) + Graduate-entry MD Program (4 years) = 7 or 8 years as a full time University student before you start work as a doctor!

Bond Medical Program

Bachelor of Medical Studies & Doctor of Medicine (4 Years & 8 Months)

PGY 1 & 2 and year 1 of specialty training completed-while your peers are still students!

THE VALUE PROPOSITION OF MEDICINE AT BOND:

- Earning 2-3 years earlier
- Particularly important for students who may have living away from home expenses(In 2015-this is estimated at a minimum of $25,000* per annum)

* UQ Student Information for prospective students.
This institute is rated 5 Stars based on 8 categories.
Research
Employability
Teaching
Facilities
Internationalization
Social Responsibility
Specialist Criteria
Inclusiveness
WHY BOND’S MEDICAL PROGRAM?

Graduates will....

1. Have a Masters Level qualification as your basic medical degree that is registrable across all states and territories of Australia & New Zealand
2. Be a competent junior doctor who can practise safely and effectively as an intern in Australia or New Zealand
3. Have the appropriate foundation for life-long learning, allowing further training in any branch of medicine
4. Have the appropriate knowledge and understanding, skills and attitudes to be a medical professional
Bond Medicine: Rising Esteem & A Value Proposition that is Clear

• Full six year Accreditation granted with commendations from the AMC across 7 out of 8 standards for Medical Education
• Indigenous Curriculum has won a national award for Teaching excellence
• The simulation program is state of the art with International Collaborations
• The Centre for Evidenced Based Practice has received the highest research rating of “5” or well above world standard with Clinical Research rated as above world standard
• A staff student ratio of 10:1 maintained in the Faculty of HSM and means that there are twice as many staff for each student compared with a public University
• The direct school leaver entry MD program means that you can achieve the highest level academic qualification and a career in Medicine in the shortest possible time and be assured that your program is of the highest quality
ABOUT BOND’S UNDERGRADUATE MEDICAL PROGRAM
4 years and 8 months (currently MBBS)

1. Intake: 100 students each year
2. 2015 (11th cohort) Year 1 age range: 17-36 years. In 2015 one of our graduating students turned 60!
3. Attrition = 8% of students accepted into the program do not complete the program.
4. 92-96 junior doctors is Bond’s promised contribution to the Australian Medical Workforce each year
5. 520 Bond graduates (7 cohorts-565 students have entered the program between 2005 and 2011)
6. In May 2015, the Medical Program was visited by the Australian Medical Council (AMC) and received the maximum accreditation for the planned BMedSt/MD program for six years until March 31, 2022.
KEY FACTS

- Most learning happens in small groups of 7-8 (Problem-Based Learning – PBL)
- Clinical skills groups of 4-6 students
- Anatomy and Histology: ± 1 demonstrator per 10-12 students
- Cohort does not exceed 100
- Even the big lecture theatres are small!
INTEGRATED CURRICULUM WITH THREE THEMES:

1. **Scholar and Scientist**: Basic medical and clinically applied science, critical appraisal, research skills

2. **Practitioner**: Communication, consultation, physical examination, procedural skills, simulation, clinical placements

3. **Health Advocate and Professional**: Apply principles of professionalism, ethics, medico-legal issues, patient-centredness and self-care, plus public health and healthcare systems
Bond Medical Program

Year 1 (May-December)

- Foundations: Biochemistry, Physiology, Genetics, Microbiology, etc.
- Introduction: Psychological basis of normal human behaviour
- Sociological basis of the behaviour of populations
- Communication skills
- Introduction: Indigenous health
- Patient-centred care
- Community placements

Year 2 (January-December)

- Organ system blocks, e.g. respiratory, cardiovascular systems incorporating
- Physiology, Anatomy, Microbiology, Pathophysiology, Pathology, etc.
- Communication skills
- Physical examination skills
- Procedural skills
- Community and clinical placements
Year 3
(January – December)

- Clinical Education Research Centre (BUCERC), Robina Hospital
- “Clinical” teams of 4-6 students ‘manage patients’ using the BVH app, with follow up by clinical tutors
- Ward and emergency simulation with “real” patients
- Diagnosis and initial management of real patients in acute (e.g. General Practice, aged care) and other community settings
- Foundations of research and evaluation skills from Bond’s experts in the Centre for Evidence-based Practice for completing a project in Year 5

Case-based learning, simulation, including Bond Virtual Hospital (BVH)
What does the MD involve?

• Year 1, 2 – no change to the current program
• In Year 3 students will complete:
  – Specific training in Evidenced Based Practice, Research Methods and Academic writing
  – The year 3 program is a “virtual” clinical year supplemented by hi-fidelity simulation experience and clinical placements
  – Prepares students to be immersed in the clinical workplace
  – 3+2 model – AQF level 7 and AQF level 9 extended
  – Option to exit at end 3rd year – B Med St
  – Exit 5th year – B Med St and MD

• The MD program is modelled on existing Professional Development programs run for the RACGP and involved the Collection 100 points over the three and mirrors the type of continuing education practicing clinician must comply with throughout their professional lives

• Builds on what exists – curricula, clinical placements

• Structured process-the amount of clinical exposure has been increased across the 14 semesters of the medical program and space has been found to provide graduates with the research and evaluation skills they will need to be leaders in their respective medical fields on graduation
<table>
<thead>
<tr>
<th>Year</th>
<th>Activity</th>
<th>Points</th>
<th>Core or elective</th>
<th>Total points</th>
</tr>
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<tbody>
<tr>
<td>3</td>
<td>EBP module</td>
<td>5 pts</td>
<td>2 modules Core Elective – up to 2 additional</td>
<td>10 (10)</td>
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<td>Literature review</td>
<td>10 pts</td>
<td>Core – 1500 words</td>
<td>10</td>
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<td>CAT – Critically Appraised Topic</td>
<td>5 pts</td>
<td>Core</td>
<td>5</td>
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<tr>
<td></td>
<td>Submission of portfolio for advice</td>
<td>Nil</td>
<td>Elective – up to 1 additional</td>
<td>Nil</td>
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<tr>
<td>4</td>
<td>3 written-up case studies in journal like format</td>
<td>5 pts</td>
<td>Core</td>
<td>15 (5)</td>
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<tr>
<td></td>
<td>Plan and timeline for portfolio</td>
<td>Nil</td>
<td>Elective – up to 1 additional</td>
<td>Nil</td>
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<tr>
<td></td>
<td>Commencement of project</td>
<td>Nil</td>
<td>Required</td>
<td>Nil</td>
</tr>
<tr>
<td></td>
<td>Submission of portfolio for advice</td>
<td>Nil</td>
<td>Required</td>
<td>Nil</td>
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<tr>
<td>5</td>
<td>MD project:</td>
<td></td>
<td></td>
<td>40</td>
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<tr>
<td></td>
<td>Research based</td>
<td>40 pts</td>
<td>Core – choose 1. 2500 words or equivalent</td>
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<tr>
<td></td>
<td>Capstone experience</td>
<td>40 pts</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Professionally focused</td>
<td>40 pts</td>
<td></td>
<td></td>
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<tr>
<td></td>
<td>Evidence of leadership or scholarship</td>
<td>5-10 pts</td>
<td>Elective</td>
<td>Up to 10 pts</td>
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<tr>
<td></td>
<td>Submit abstract of MD project work for inclusion in book of abstracts</td>
<td>5 pts</td>
<td>Core</td>
<td>5</td>
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<tr>
<td></td>
<td>Presentation of MD project in planned end of conference program</td>
<td>5 pts</td>
<td>Elective</td>
<td>(5)</td>
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<tr>
<td></td>
<td>Submission of final portfolio</td>
<td>100 pts</td>
<td>Core</td>
<td></td>
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**AQF LEVEL 7 Bachelor of Medical Studies PROGRAM**
May exit with Bachelor of Medical Studies 25-40

**AQF LEVEL 9(E) MD PROGRAM**
Graduate with MD.
What is a capstone experience?

- For those interested in remote, Indigenous or global health

- 4/52 Placement during selective / elective:
  - Kira Kira Hospital in the Solomon Islands,
  - Apunipima Cape York Health Council in North Queensland, and
  - the Indigenous women’s health service in Tamworth, NSW
  - Placements in Southern India in Kerala
  - In 2015 50% of the final year students completed an International placement during their clinical program

- Undertake small individual or collaborative project on a health related topic of significance to the clinical setting.
Core clinical rotations in the workplace, where students will work as trainee doctors and develop skills “on-the job”

5 x 8-week clinical placements:
- Child Health
- Medicine
- Mental Health
- Surgery
- Women’s Health
Bond Medical Program

Year 5: Final clinical year

5 x 7-week core rotations in:

1. Emergency Medicine
2. General Practice
3. Critical Care (includes ICU, Anaesthetics and Orthopaedics)
4. Selective rotation in a Medicine or Surgery subspecialty
5. Capstone rotation involving a project, the results of which are presented at the end of program research conference. Opportunities include:
   – Kirakira, Solomon Islands
   – Indigenous and Flying Doctor rural health placements
   – Evidenced-based practice or research
   – Simulation
   – Medical Education
   – Completing further clinical experience in a field relative to area of interest

At the end of the program all students will be able to present their work at the Bond Research conference

Currently students receive their Internship offer in August of final year. In late October students will be able to do a 2 week pre-internship term to ensure they are ready to commence their medical careers in January the following year

This allows time for a brief holiday, followed by graduation with your peers in December, just 4 years and 7 months after starting your Medical program!
Bond Medical Program

**CLINICAL TEACHING**

- Gold Coast Hospital
- Robina Hospital
- The Wesley Hospital
- Tweed Heads Hospital
- John Flynn Hospital
- Allamanda Hospital
- Pindara Hospital
- GPs and specialists

**INTERNSHIPS**

Graduates secured internships in 36 hospitals, Australia and NZ:

- Gold Coast Hospital
- Royal Brisbane and Women’s Hospital
- Westmead Hospital
- Princess Alexandra Hospital
- Royal Melbourne Hospital
- Flinders Hospital
- Royal Adelaide Hospital
- Middlemore Hospital, New Zealand
Medical Student Societies

- MedSoc (member of Australian Medical Students’ Society – annual conference)
- HSM Student Association, with portfolios in fund-raising, sport, culture, etc.
- Bushfire (Rural and Indigenous Health)
- MAD (Making a Difference) – global health
- Various volunteering opportunities, including with other Bond students
ENTRY REQUIREMENTS

Entry is very competitive.
2015 - approximately 650 applicants, 190 interviews for 96 offers.

There were 3 Bond Bachelor of Biomedical Science graduates who joined Year 2 of the Medical program in 2015. All have done well.

80% of first year places are for undergraduate entry students and 20% of first year places are for graduate students.

At graduation we aim to have approximately 20-25% graduates and 75-80% undergraduates.
ENTRY REQUIREMENTS

Criteria for Undergraduate Entry - approximately 80 places (Includes school-leavers and those with less than 18 months of tertiary studies):

• Overall secondary academic results:
  ▪ Year 12 English
    AND
  ▪ Chemistry OR Physics OR Maths B (or equivalent)

In 2015, school-entry students required an ATAR of 97.0 to be considered for an interview

• Structured interview ranking: ± 50% of interviewees offered a place
• We no longer require the UMAT for selection into the Medical Program
ENTRY REQUIREMENTS

Criteria for Graduates - approximately 20 places:

- You must have met the prerequisites at some stage either at school or during previous tertiary study:
  - Year 12 English
  - Chemistry OR Physics OR Maths B (or equivalent)

In 2015, Graduate-entry students required a GPA of 6.1 to be considered for an interview

- The GAMSAT is not required for those seeking to enter year 1 of the Bond Medical Program as a graduate student
- Structured interview ranking: ± 50% of interviewees offered a place
INTERVIEW PROCESS (Multiple Mini Interview – MMI)

• For whom: Short-listed applicants
• Structure: 8 mini interview stations
• Interviewers: Doctors, faculty and community members; medical and non-medical backgrounds; trained for the interview process
• Where: On the Bond campus, Faculty of Health Sciences and Medicine
• When: Mid- to late February

Designed to test:
• Communication skills
• Ethics
• General suitability for medicine
• Knowledge and critical thinking
• Leadership, initiative and teamwork
• Responsibility
<table>
<thead>
<tr>
<th>KEY DATES</th>
<th>Event Description</th>
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<tbody>
<tr>
<td>Early January</td>
<td>QTAC applications open for application to the Bond Medical Program on <strong>14 January</strong></td>
</tr>
<tr>
<td>Early February</td>
<td>All applications close</td>
</tr>
<tr>
<td>Mid-February</td>
<td>Interview coordinated and conducted on the Bond University campus only</td>
</tr>
<tr>
<td>Mid-March</td>
<td>Round 1 offers for successful applicants available on the QTAC website</td>
</tr>
<tr>
<td>Late March</td>
<td>Last date for acceptance of Round 1 QTAC offers</td>
</tr>
<tr>
<td>Late March</td>
<td>Further QTAC offers may be released</td>
</tr>
<tr>
<td>Mid-April</td>
<td>Deadline to accept QTAC offer</td>
</tr>
</tbody>
</table>
Bond Medical Program

FEES - 2016

• $24,735 per semester = ~$346,290 for the program

• FEE-HELP can be used to cover ± $122,000 (± first 5 semesters), but students will need to pay balance + allow for personal living expenses

Remember:
You will graduate up to 3 years ahead of students from other programs. You could be an employed medical doctor, earning a graduate salary in January 2021, just 4 years and 8 months after starting your studies in May 2016!
A great option if you miss out on a place in Medicine!
MANY PEOPLE WILL NOT BE SUCCESSFUL IN THEIR MEDICINE APPLICATION

E.g. 650 applicants, 190 interviews for only 96 offers

Entry into Bond's Medicine program is highly competitive. Biomedical Science at Bond is an excellent pathway for those aiming for a career in Medicine who miss out on a school leaver position

Application to Bond University’s Bachelor of Biomedical Science is via the University direct, and does not affect your QTAC applications. Apply now, and find out if you have a university place for 2016!
The Bachelor of Biomedical Science at Bond University provides a pathway into the school’s medical program. Students who graduate with a minimum GPA in the Pre-Health Professional Major are eligible for selection into Year 2 of the Bond Medicine Program. Each year, up to 5 places are available, based on GPA, GMSAT scores, and an interview. Completing the MD, BMed St, BBioMed degree in 6 years is an excellent outcome. In 2014, 3 Bond Bachelor of Biomedical Science graduates were accepted into the Year 2 of the Bond Medicine Program.
BACHELOR OF BIOMEDICAL SCIENCE – A PATHWAY INTO GRADUATE MEDICINE AT OTHER UNIVERSITIES

2 year undergraduate pathway to graduate medicine at other universities

Bond Bachelor of Biomedical Science 2014 graduates - 10 out of 23 were accepted into graduate medicine in 2015 including 7 at Public Universities:
   – University of Melbourne
   – University of Notre Dame
   – University of Sydney
   – University of Western Sydney
   – University of WA

3 accepted into Bond Medicine program

Remainder pursued other great career options from this program including forensics, research, nutrition & physiotherapy
Bond Medical Program: A new International Pathway

• It is planned to open up the lateral entry pathway to graduates of Bond’s other health professional programs who have achieved better than a distinction average. Those programs will include:
  – Bachelor of Biomedical Science
  – Doctor of Physiotherapy (For Yr2 2017 entry)
  – Masters of Nutrition (For Yr2 2017 entry)
  – Masters of Occupational therapy (For Yr2 2019 entry)

• In 2019 we plan to make available up to 10 places for the Year 2 lateral entry pathway- 5 for domestic graduates of the above programs and 5 for International graduates of the above programs.
The International Pathway

• 2016-Bond Agents able to recruit into Bio-Medical Science and other health professional Programs so that International students that have:
  – Completed their degree in HSM Bond by the end of 2018 and completed the health professional major of Biomedical Science or other health professional program (i.e. DPT, OT)
  – Achieved a GPA of greater than 3.0/4.0 (Distinction average)
  – Completed the GAMSAT
  – Those students will be eligible to apply for lateral entry into Year 2 of the Medical program.
  – A maximum of 5 places will be available for International students to enter Year 2 in 2019
  – The aim is to increase the attractiveness of studying Biomedical Science at Bond for International Students as it will give them the chance to potentially progress on to Medicine
QUESTIONS?