

The Maths question ...

Prerequisites vs subject bonuses

A **prerequisite** is a subject you **MUST** study at VCE level in order to qualify for entry to a course. Often there is also a minimum score attached to that requirement – eg: 25+ in Maths Methods. So, if a student feels they need to do Maths Methods, but is going to struggle, the discussion needs to be had as to whether they are going to achieve a score in that range.

A **subject bonus** is a subject that **MAY** gain you additional ATAR points in certain courses at certain unis. Subject bonus lists also give you an indication of which areas of study are likely to be covered in the course, which can then help you decide whether that's a course you are likely to enjoy.

Minimum scores: All Bachelor degree courses require a Unit 3 and 4 sequence of any English/EAL, and a minimum score is listed. Never neglect your English work! If a minimum score for a Maths subject is listed, also consider whether this is a realistic goal for you.

Compare these two Nursing entries –

ACU Bachelor of Nursing	Monash Bachelor of Nursing
<p>Prerequisites:</p> <ul style="list-style-type: none"> Any English 25+/EAL 30+ No other prerequisites <p>Additional considerations:</p> <ul style="list-style-type: none"> Subject Bonus : A study score of 40 in Biology, Chemistry, any English, Health And Human Development, Maths Methods , Specialist Maths or Psychology equals 3 aggregate points per study. A study score of 45 in Biology, Chemistry, any English, Health And Human Development, Maths Methods , Specialist Maths or Psychology equals 5 aggregate points per study. Overall maximum of 5 points. 	<p>Prerequisites:</p> <ul style="list-style-type: none"> Any English 25+/EAL 30+ Units 1 and 2: General Maths or Maths Methods OR Units 3 and 4: any Maths <p>Additional considerations:</p> <ul style="list-style-type: none"> Subject Bonus : A study score of 25 in Biology, Chemistry, Health And Human Development, any Maths, Physics or Psychology equals 2 aggregate points per study. A study score of 30 in any Maths equals 6 aggregate points per study. Overall maximum of 6 points.

“Any Maths” as a prerequisite

NOTE: “Any Maths”

- Where the term “any Maths” is used, it refers to a Unit 3/4 sequence (Year 12) unless otherwise stated.
- In many cases, “any Maths” is one of a list of prerequisites, so students who have one of the other subjects listed are still eligible to apply.
- Sometimes, it is sufficient to study Maths at Year 11 level – check this carefully!

MELBOURNE UNI Bachelor of Agriculture (min scores apply)	<ul style="list-style-type: none"> Any English 25+/EAL 30+ AND a study score of at least 25 in one of Maths Methods or Specialist Maths or at least 30 in Further Maths. Minimum ATAR of 70.00.
VIC UNI Architectural Engineering	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 20 in any Maths
RMIT Construction Management	<ul style="list-style-type: none"> Any English 25+/EAL 30+ Units 1 and 2: satisfactory completion in two units (any study combination) of any Maths or Units 3 and 4: any Maths;
MONASH Business	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 25 in any Maths
ACU Biomedical Science	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 25 in any Maths.
FEDERATION UNI Biomedical Science	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 20 in any Maths, and a study score of at least 20 in one of Biology, Chemistry or Physics.
RMIT Biomedical Science	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 20 in Chemistry; and a study score of at least 20 in one of any Maths or Physics.

RMIT Biomedical Science (Pharmaceutical Science)	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 20 in Chemistry; • and a study score of at least 20 in one of any Maths or Physics.
VICTORIA UNI Biomedical Science	<ul style="list-style-type: none"> • Any English 20+/EAL 25+ • and a study score of at least 20 in one of Biology, Chemistry, Health And Human Development, any Maths or Physical Education.
VICTORIA UNI Biomedicine	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in one of Biology, Chemistry, any Maths or Physics.
VICTORIA UNI Engineering (Civil, Electrical)	<ul style="list-style-type: none"> • Any English 20+/EAL 25+ • and a study score of at least 20 in any Maths
VICTORIA UNI Engineering Science (Sports Engineering)	<ul style="list-style-type: none"> • Any English 20+/EAL 25+ • and a study score of at least 20 in any Maths
ACU Exercise & Sport Science	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in one of Biology, Chemistry, Health And Human Development, any Maths, Outdoor And Environmental Studies, Physical Education, Physics or Psychology.
FEDERATION UNI Exercise & Sport Science	<ul style="list-style-type: none"> • Any English 20+ • Units 1 and 2: satisfactory completion in two units (any study combination) of General Maths or Maths Methods or Units 3 and 4: any Maths
LA TROBE UNI Exercise Science	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 20 in two of Biology, Chemistry, any Maths, Physical Education or Physics.
LA TROBE UNI Exercise & Physiology	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 20 in two of Biology, Chemistry, any Maths, Physical Education or Physics.
VIC UNI Biomedical & Exercise Science	<ul style="list-style-type: none"> • Any English 20+/EAL 25+ • and a study score of at least 20 in two of Biology, Chemistry, Health And Human Development, any Maths or Physical Education.
MONASH Public Health Science	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in any Maths.
LA TROBE UNI Health Science	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 20 in one of Biology, Chemistry, any Maths, Physical Education or Physics.
FEDERATION UNI Information Technology	<ul style="list-style-type: none"> • Units 1 and 2: satisfactory completion in two units (any study combination) of General Maths or Maths Methods or Units 3 and 4: any Maths; and a study score of at least 15 in any English.
MONASH Information Technology	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • Units 1 and 2: satisfactory completion in two units (any study combination) of General Maths or Maths Methods or Units 3 and 4: any Maths
RMIT Information Technology	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 20 in any Maths.
SWINBURNE Information Technology	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 20 in any Maths.
MONASH UNI Radiation Sciences	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in any Maths.
FEDERATION UNI Nursing	<ul style="list-style-type: none"> • Any English 25+ • Units 1 and 2: satisfactory completion in two units (any study combination) of General Maths or Maths Methods or Units 3 and 4: any Maths; and a study score of at least 25 in any English)
LA TROBE Nursing	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 20 in one of Biology, Chemistry, Health And Human Development, any Maths, Physical Education, Physics or Psychology)
LA TROBE Nursing/Midwifery	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 20 in one of Biology, Chemistry, Health And Human Development, any Maths, Physical Education, Physics or Psychology)
MONASH Nursing	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • Units 1 and 2: satisfactory completion in two units (any study combination) of General Maths or Maths Methods or Units 3 and 4: any Maths
MONASH Nursing/Midwifery	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • Units 1 and 2: satisfactory completion in two units (any study combination) of General Maths or Maths Methods or Units 3 and 4: any Maths
RMIT Nursing	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • Units 1 and 2: satisfactory completion of any Maths or Units 3 and 4: any Maths
VIC UNI Nursing	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • Units 1 and 2: satisfactory completion in two units (any study combination) of any Maths or Units 3 and 4: any Maths
VIC UNI Nursing/Midwifery	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • Units 1 and 2: satisfactory completion of any Maths or Units 3 and 4: any Maths;
FEDERATION UNI Food & Nutritional Science	<ul style="list-style-type: none"> • Any English 20+ • Units 1 and 2: satisfactory completion in two units (any study combination) of any Maths or Units 3 and 4: a study score of at least 20 in any Maths

LA TROBE Applied Science/Dietetic Practice	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in two of Biology, Chemistry, any Maths, Physical Education or Physics.
LA TROBE Human Nutrition	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in two of Biology, Chemistry, any Maths, Physical Education or Physics.
RMIT Food Technology & Nutrition	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 20 in any Maths.
LA TROBE Occupational Therapy	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in one of Biology, Chemistry, any Maths, Physical Education or Physics.
LA TROBE Physiotherapy	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in two of Biology, Chemistry, any Maths, Physical Education or Physics.
LA TROBE UNI Paramedic Practice / Public Health Promotion	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 20 in two of Biology, Chemistry, Health And Human Development, any Maths, Physical Education, Physics or Psychology.
MONASH UNI Emergency Health (Paramedicine)	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in any Maths.
LA TROBE UNI Pharmacy	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in Chemistry; • and a study score of at least 25 in any Maths.
Biomedical Science (Pharmaceutical Sciences)	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 20 in Chemistry; • and a study score of at least 20 in one of any Maths or Physics.
FEDERATION UNI Business Systems	<ul style="list-style-type: none"> • Any English 15+ • Units 1 and 2: satisfactory completion in two units (any study combination) of General Maths or Maths Methods or Units 3 and 4: any Maths
LA TROBE (Information Technology (Prof))	<ul style="list-style-type: none"> • Any English 20+/EAL 25+ • and a study score of at least 20 in any Maths
RMIT Aviation	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in any Maths
RMIT Project Management	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • Units 1 and 2: satisfactory completion in two units (any study combination) of any Maths or Units 3 and 4: any Maths
SWINBURNE Aviation Management	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 20 in any Maths
FEDERATION UNI Science	<ul style="list-style-type: none"> • Any English 20+ • and a study score of at least 20 in one of any Maths or any Science.
LA TROBE UNI Science	<ul style="list-style-type: none"> • Any English 20+/EAL 25+ • and a study score of at least 20 in any Maths.
SWINBURNE Science	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 20 in any Maths.
VIC UNI Science	<ul style="list-style-type: none"> • Any English 20+/EAL 25+ • and a study score of at least 20 in any Maths.
VIC UNI Commerce	<ul style="list-style-type: none"> • Any English 20+/EAL 25+ • and a study score of at least 30 in Further Maths or at least 25 in one of Maths Methods or Specialist Maths.
VIC UNI Information Technology	<ul style="list-style-type: none"> • Any English 20+/EAL 25+ • and a study score of at least 20 in any Maths.
MONASH Radiation Sciences	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in any Maths.
MONASH Computer Science	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in one of Maths Methods or Specialist Maths or at least 35 in Further Maths.
SWINBURNE Secondary Teaching	<ul style="list-style-type: none"> • Any English 20+/EAL 25+ • and a study score of at least 20 in any Maths.
LA TROBE Education (Early Childhood)	<ul style="list-style-type: none"> • Any English 20+/EAL 25+ • Units 1 and 2: satisfactory completion in two units (any study combination) of General Maths or Maths Methods or Units 3 and 4: any Maths
MONASH Education	<ul style="list-style-type: none"> • Any English 20+/EAL 25+ • Units 1 and 2: satisfactory completion in two units (any study combination) of General Maths or Maths Methods or Units 3 and 4: any Maths
ACU Education (0-5)	<ul style="list-style-type: none"> • Any English 20+/EAL 25+ • Units 1 and 2: satisfactory completion in two units (any study combination) of General Maths or Maths Methods or Units 3 and 4: any Maths
RMIT Education (Early)	<ul style="list-style-type: none"> • Any English 20+/EAL 25+ • Units 3 and 4: a study score of at least 30 in English (EAL) or at least 25 in English other than EAL; and a study score of at least 20 in any Maths.
VIC UNI Education	<ul style="list-style-type: none"> • Any English 20+/EAL 25+ • Units 1 and 2: satisfactory completion in two units (any study combination) of General Maths or Maths Methods or Units 3 and 4: any Maths

LA TROBE Teaching	<ul style="list-style-type: none"> Any English 20+/EAL 25+ Units 1 and 2: satisfactory completion in two units (any study combination) of General Maths or Maths Methods or Units 3 and 4: any Maths
LA TROBE MELBOURNE DIPLOMA of Bioscience	<ul style="list-style-type: none"> VCE Completion Must have studied a Maths subject
LA TROBE MELBOURNE DIPLOMA of Health Sciences	<ul style="list-style-type: none"> VCE Completion And one of any Maths, Biology, Chemistry, PE or Physics

NOTE: Education

- Most Education degrees these degrees require AT LEAST Year 11 level Maths. This includes Early Childhood, Kindergarten, Primary and Secondary teaching. You can study a Masters of Teaching after you complete your undergraduate degree in a different discipline or Diploma and Certificate pathways as alternative methods of entering this profession.

Maths Methods as a prerequisite

Note: Engineering

- Almost all Engineering courses at Bachelor degree level require MATHS METHODS 3/4.
- Even some Diploma courses require Maths Methods in the Engineering field.

MONASH UNI Engineering/Architectural Design	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 25 in Maths Methods and a study score of at least 25 in one of Chemistry or Physics.
MONASH Engineering	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 25 in Maths Methods and a study score of at least 25 in one of Chemistry or Physics.
MONASH Engineering/Pharmacy	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 25 in Maths Methods ; and a study score of at least 25 in Chemistry.
SWINBURNE UNI Engineering (all types)	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 20 in Maths Methods .
RMIT Pharmacy	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 25 in Chemistry; and a study score of at least 25 in Maths Methods .
MELBOURNE UNI Bachelor of Agriculture (min scores apply)	<ul style="list-style-type: none"> Any English 25+/EAL 30+ AND a study score of at least 25 in one of Maths Methods or Specialist Maths or at least 30 in Further Maths. Minimum ATAR of 70.00.
UNI OF MELBOURNE Biomedicine	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 25 in Chemistry; and a study score of at least 25 in one of Maths Methods or Specialist Maths. Minimum ATAR 96.00
MONASH Commerce	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 25 in one of Maths Methods or Specialist Maths.
UNI OF MELBOURNE Commerce	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 25 in one of Maths Methods or Specialist Maths. Minimum ATAR of 93.00
VIC UNI Commerce	<ul style="list-style-type: none"> Any English 20+/EAL 25+ and a study score of at least 30 in Further Maths or at least 25 in one of Maths Methods or Specialist Maths.
DEAKIN Engineering (Civil, Electrical)	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 20 in one of Maths Methods or Specialist Maths
FEDERATION UNI Engineering (Civil)	<ul style="list-style-type: none"> Any English 15+ and a study score of at least 15 in one of Maths Methods or Specialist Maths
LA TROBE UNI Engineering (Civil, Electrical)	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 20 in one of Maths Methods or Specialist Maths.
RMIT Engineering (Civil, Infrastructure)	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 20 in one of Maths Methods or Specialist Maths.
RMIT Exercise & Sport Science	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 20 in one of Biology, Chemistry, Maths Methods , Specialist Maths, Physical Education or Physics.
FEDERATION UNI Information Technology	<ul style="list-style-type: none"> Any English 15+ Units 1 and 2: satisfactory completion in two units (any study combination) of General Maths or Maths Methods or Units 3 and 4: any Maths
MONASH Information Technology	<ul style="list-style-type: none"> Any English 25+/EAL 30+ Units 1 and 2: satisfactory completion in two units (any study combination) of General Maths or Maths Methods or Units 3 and 4: any Maths;
RMIT Software Engineering	<ul style="list-style-type: none"> Any English 25+/EAL 30+ and a study score of at least 25 in one of Maths Methods or Specialist Maths.

DEAKIN Medical Imaging	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in one of Biology, Chemistry or Physics • and a study score of at least 25 in one of Maths Methods or Specialist Maths.
UNI OF MELBOURNE Design (NEW in 2017)	<ul style="list-style-type: none"> • <i>Design – new in 2017</i> • Any English 25+/EAL 30+ • *A study score of 25 in Maths Methods will be required if any Civil Systems, Computing, Construction, Digital Media, Mechanical Systems, Property and Spatial Systems subjects will be studied alongside of Visual and Performance Design*
MONASH Radiography and Medical Imaging	<ul style="list-style-type: none"> • Any English 30+/EAL 35+ • and a study score of at least 25 in one of Biology or Physics • and a study score of at least 25 in one of Maths Methods or Specialist Maths.
RMIT Medical Radiations (Radiography, Nuclear Medicine, Radiation Therapy)	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • Units 1 and 2: satisfactory completion in one of Biology or Chemistry • and a study score of at least 20 in one of Maths Methods or Specialist Maths.
FEDERATION UNI Nursing	<ul style="list-style-type: none"> • Any English 25+ • Units 1 and 2: satisfactory completion in two units (any study combination) of General Maths or Maths Methods or Units 3 and 4: any Maths
MONASH Nursing	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • Units 1 and 2: satisfactory completion in two units (any study combination) of General Maths or Maths Methods or Units 3 and 4: any Maths
MONASH Nursing/Midwifery	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • Units 1 and 2: satisfactory completion in two units (any study combination) of General Maths or Maths Methods or Units 3 and 4: any Maths
MONASH Pharmacy (all aspects)	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in Chemistry • and a study score of at least 25 in one of Maths Methods or Specialist Maths.
MONASH Science	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in one of Biology, Chemistry, Environmental Science, Geography, Maths Methods , Specialist Maths, Physics or Psychology.
MONASH Science (Advanced – Global Challenges or Research)	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 30 in one of Biology, Chemistry, Environmental Science, Geography, Maths Methods , Specialist Maths, Physics or Psychology.
RMIT Science	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 20 in one of Maths Methods or Specialist Maths.
RMIT Science (Dean’s Scholar Program)	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in one of Maths Methods or Specialist Maths.
UNI OF MELBOURNE Science	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in one of Maths Methods or Specialist Maths; • and a study score of at least 25 in one of Biology, Chemistry or Physics. • Minimum ATAR of 85.00. <p>OR:</p> <ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in both of Maths Methods • and Specialist Maths. • Minimum ATAR of 85.00.
RMIT Computer Science	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in one of Maths Methods or Specialist Maths.
LA TROBE Computer Science	<ul style="list-style-type: none"> • Any English 20+/EAL 25+ • and a study score of at least 20 in one of Maths Methods or Specialist Maths.
MONASH Computer Science	<ul style="list-style-type: none"> • Any English 25+/EAL 30+ • and a study score of at least 25 in one of or Specialist Maths or at least 35 in Further Maths.
LA TROBE MELBOURNE DIPLOMA of Engineering	<ul style="list-style-type: none"> • VCE Completion • Must have studied Maths Methods • PLUS one of Specialist Maths or Physics

UNI OF MELBOURNE
Environments applicants intending to major in construction, environmental science, spatial systems, engineering systems or property are **encouraged** to complete **Units 3 and 4 Maths Methods**.

Specialist Maths as a prerequisite

NOTE: Specialist Maths on its own

- There are many courses that require Maths Methods OR Specialist Maths, but in fact very few that require Specialist Maths on its own.
- See the Maths Methods chart for courses where Specialist Maths may be a useful prerequisite. It is unusual to study Specialist Maths without also studying Maths Methods, which is why they are not all listed below as well.

UNI OF MELBOURNE Science

There are two pathways to a Bachelor of Science at Melbourne Uni, one of which absolutely requires Specialist Maths; the other does not.

OPTION A:

- Any English 25+/EAL 30+
- **Both of** Maths Methods
- **and** Specialist Maths.

OPTION B:

- Any English 25+/EAL 30+
- One of Maths Methods or Specialist Maths;
- and one of Biology, Chemistry or Physics

UNI OF MELBOURNE

Commerce applicants intending to major in actuarial studies or complete an engineering sequence are **encouraged** to complete **Units 3 and 4 Specialist Maths**. Commerce applicants intending to undertake an engineering sequence in electrical or mechanical systems are also **encouraged** to complete **Units 3 and 4 Physics**.

DISCLAIMER: This publication is intended as a GUIDE ONLY!

Make sure you always double-check prerequisites relevant to your plans carefully. Use BOTH the VTAC search function AND the uni's own website for the most up-to-date status on courses in which you are interested.

Source: VICTER 2018 & www.vtac.edu.au

This information was current on April 28, 2016.