



**ST. MARK'S  
AUSTRALIAN**  

---

**INTERNATIONAL SCHOOL**  
Tri-Lingual School of Mathematics and Science



Government of  
Western Australia



**AUSTRALIAN  
MATRICULATION  
PROGRAM**



Government of  
Western Australia

# A UNIQUE LEARNING EXPERIENCE

Australian  
Matriculation  
Program



"I would like to congratulate St Mark's Australian International School for becoming our first partner school in Thailand. We look forward to a long and highly successful partnership and providing pathways for students in Thailand into higher education in Australia and internationally."

**Allan Blagaich - Executive Director  
School Curriculum and Standards**

Our curriculum programs, and the resources we provide, are designed to make a difference to students' lives. We do this by providing students, teachers, and schools with support and access to high-quality, relevant, and internationally recognised curriculum. Our partnership is built on positive relationships and our curriculum specialists look forward to working closely with St Mark's to maximise students' future opportunities."



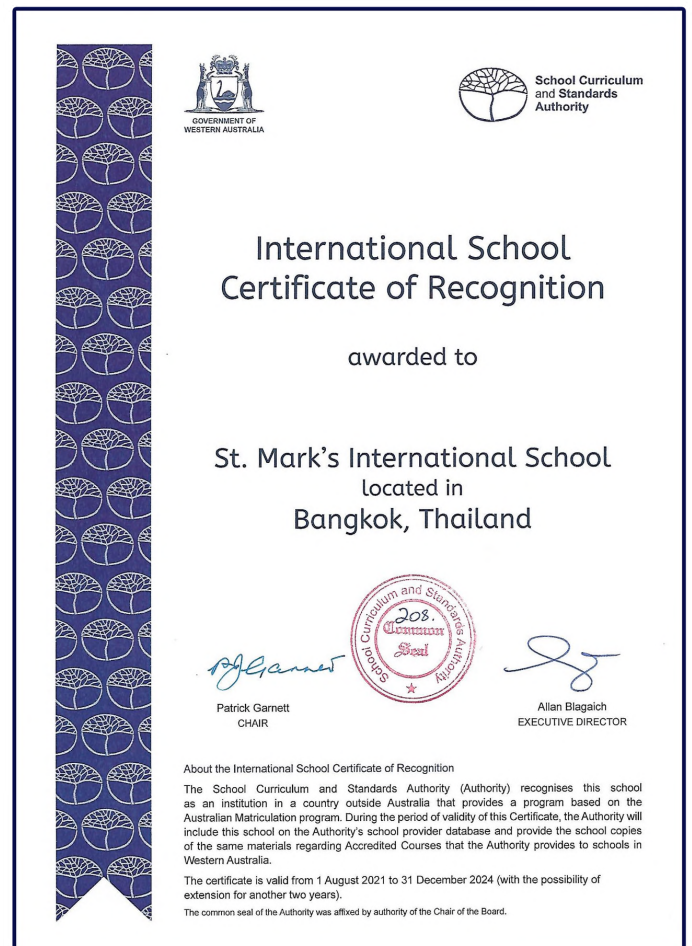
**Rob Nairn - Principal Consultant (International Education)  
School Curriculum and Standards**



"The School Curriculum and Standards Authority is excited to be working with St Mark's, our first partner school in Thailand."

It is always satisfying to partner with schools that share our values of seeking the best outcome and the greatest opportunity for each student. In Australia, the Thai community is growing in importance and presence and the relationship between our two countries is valued. St Mark's will help to build this relationship further as its graduates find great opportunities here in Australia and around the world."

**Roshan Perera - Manager, Strategic and  
External Relations  
School Curriculum and Standards**



JOIN US, GROW WITH US



# AUSMAT IS THE RIGHT CHOICE

## THAILAND'S *First International Australian Year 12 Provider*

With more than 20 years of providing excellence in Australian education, ST. MARK'S AUSTRALIAN INTERNATIONAL SCHOOL is the first and only provider of the Australian Matriculation Program (Year 12 Australian Certificate of Education) in Thailand.

### 1. A QUALIFICATION BY THE AUSTRALIAN GOVERNMENT WITH WORLDWIDE RECOGNITION

The Australian Matriculation Program takes students to universities worldwide, including competitive higher education institutions in the United Kingdom, the EU, United States, Canada, New Zealand, Singapore, Japan, South Korea, China, and India.

### 3. UNIQUE AND BALANCED ASSESSMENT STRUCTURE

Assessments comprise 50% school-based assessments, and 50% external examinations, administered by the Department of Education in Australia. This structure removes pressure associated with single high-stakes end-of-year examination. It also provides students with numerous opportunities to improve their scores throughout the academic year.

### 2. VARIETY, DIVERSITY, AND FLEXIBILITY

ST. MARK'S Australian Matriculation Program offers a variety of subjects and subject combinations and great flexibility for students to explore their diverse academic and career interests.

### 4. DEVELOPING 21st CENTURY SKILLS

ST. MARK'S Australian Matriculation Program caters to different learning needs through face-to-face teaching, blended learning, and the use of educational technology. Australian Matriculation Program stimulates students' interest and equips them with critical 21st-century skills such as problem-solving, analytical thinking and creativity, and skills for life-long learning.

#### WHAT IS IT

- Year 12 Australian Program
- Prepares students for the Australian Certificate of Education

#### WHEN

- Year 11: August - December
- Year 12: January - December

#### RESULTS

- Australian Tertiary Admission Rank (ATAR) calculated from BEST 4 ATAR subjects

#### ENTRY REQUIREMENTS

One of the following:

- O-Level with minimum five (5) credits including English
- IGCSE with minimum five (5) credits including English

#### ASSESSMENTS

- 50% - School Assessment (assignment, presentation, quiz, test, practical test and exams)
- 50% - External Exam conducted by the Australian Department of Education

# ATAR SUBJECTS

## ATAR SUBJECTS

- 50% school-based assessment & 50% external examinations
- External examinations in November
- Included in ATAR calculation
- Subjects provide knowledge and skills for further studies

## CHOICE OF SUBJECTS

- Students are required to take five (5) subjects from the list, including English or English as Additional Language/Dialect (EALD)
- Students will be able to select one of the following options:

### ATAR LANGUAGES

- English
- English as an Additional Language or Dialect (EALD)
- Chinese as a Second Language

### ATAR MATHEMATICS

- Mathematics Methods
- Mathematics Specialist

### ATAR SCIENCE

- Chemistry
- Biology
- Physics

### ATAR HUMANITIES and APPLIED SCIENCES

- Accounting and Finance
- Modern History



# OTHER ACHIEVEMENT REQUIREMENTS

## GENERAL REQUIREMENTS

Students must:

- Demonstrate a minimum standard of literacy and numeracy through the Online Literacy and Numeracy Assessment (OLNA)
- Complete a minimum of FIVE Year 12 subjects including at least three C grades



# AUSTRALIAN TERTIARY ADMISSION RANK (ATAR) INFORMATION

## WHAT IS ATAR?

ATAR indicates your rank position in the total Year 12 school leaving age population who have sat for the Australian Certificate of Education worldwide. The ATAR ranges between zero and 99.95.

The ATAR is derived from the Tertiary Entrance Aggregate (TEA). This score is calculated by adding the best 4 subjects scaled scores. An ATAR of 75.00 indicates that you have performed better than 75% of the Year 12 school leaving age population who have sat for the Australian Certificate of Education worldwide.

ATARs from all states in Australia are equivalent. This means that the results of any ST. MARK'S student applying to interstate universities can be directly compared with results of students in those states, and vice versa.

### Example - Course Studied:

### How to calculate the Tertiary Entrance Aggregate (TEA)?

#### ATAR Course

#### Scaled Score

#### Calculate sum of four best scaled marks

Physics	65.2
Mathematics Methods	66.3
English	57.9
Chemistry	67.7
Modern History	41.0



Physics	65.2
Mathematics Methods	66.3
English	57.9
Chemistry	67.7

**TEA** **257.1**

This student achieved **ATAR of 85.00**

### A TEA/ATAR table is used to convert the TEA to an ATAR.

(Refer to the example of the conversion table on the following page)

The TEA/ATAR table varies from year to year because it is constructed each year using the current Year 12 school leaving age population and the number of students who obtain a TEA in that year. The calculator of 2021 results will be available in late December 2021.

There is an ATAR calculator in TICS's website: [www.tisc.edu.au](http://www.tisc.edu.au)

# 2020 TEA/ATAR SUMMARY TABLE

Takes you to  
**Universities**  
Worldwide

## Example - Course Studied:

The following table gives an indication of the minimum Tertiary Entrance Aggregate (TEA) required to achieve at least a particular Australian Tertiary Admission Rank (ATAR)

ATAR	Mininum TEA for ATAR	...	ATAR	Mininum TEA for ATAR
30.05	134.8		80.00	242.2
40.00	160.2		81.00	245.1
45.00	170.7		82.00	248.0
50.00	181.3		83.00	250.8
55.00	191.3		84.00	254.1
60.00	200.0		<b>85.00</b>	<b>257.1</b>
61.00	201.9		86.00	260.6
62.00	203.4		87.00	264.2
63.00	205.0		88.00	268.0
64.00	206.9		89.00	271.7
65.00	208.8		90.00	275.7
66.00	210.7		91.00	280.6
67.00	213.0		92.00	285.7
68.00	215.1		93.00	290.9
69.00	217.4		94.00	296.3
70.00	219.2		95.00	302.8
71.00	221.3		96.00	310.5
72.00	223.5		97.00	319.0
73.00	225.7		98.00	331.3
74.00	227.9		98.50	339.8
75.05	230.1		99.00	350.6
76.00	232.2		99.50	366.5
77.00	234.6		99.70	377.7
78.00	237.0		99.90	394.5
79.00	239.7		99.95	404.0

# GATEWAY TO TOP UNIVERSITIES WORLDWIDE

## AUSTRALIAN MATRICULATION PROGRAM GRADUATES

Australian Matriculation Program graduates will gain entry into more than 80 different universities worldwide, including reputable top-notch universities in Australia, United Kingdom, Ireland, Canada, USA, China, Germany, Hong Kong, India, Japan, Korea, Malaysia, New Zealand, Norway, Poland, and Singapore.



\*Course Seeker helps you make informed decisions about your future study by allowing you to access clear, meaningful, and transparent information on ATARs, prerequisites, and enrolment policies. Information has been sourced from across Australia and presented in a nationally consistent and comparable format to improve transparency across the higher education sector.



## AUSTRALIA

Australian National University  
Bond University  
Catholic University  
Charles Sturt University  
Curtin University  
Deakin University  
Griffith University  
La Trobe University  
Macquarie University  
Monash University

Murdoch University  
Northern Melbourne  
Institute of TAFE  
Notre Dame University  
Queensland University of Technology  
RMIT  
Swinburne University of Technology  
University of Adelaide  
University of Melbourne  
University of New South Wales

University of Queensland  
University of South Australia  
University of Sydney  
University of Tasmania  
University of Wales  
University of Western Australia  
University of Wollongong  
Victoria University  
Western Australia Academy of Performing Arts

## UK & IRELAND

Aberdeen University  
Architectural Association  
School of Architecture  
Glasgow School of Arts  
Bournemouth University  
Coventry University  
Durham University  
Griffith University, Dublin  
King's College London  
London School of Business & Finance  
London School of Economics  
Northumbria University  
Queen's University Belfast  
Regent's College London  
The Royal College of Surgeons  
The University of the Arts London  
The University of Sheffield  
University of Bristol  
University of Cardiff  
University of Derby  
University of Dublin  
University of Edinburgh  
University of Exeter  
University of Greenwich  
University of Hertfordshire  
University of Kent  
University of Leeds  
University of Manchester  
University of Portsmouth  
University of Southampton  
University of Sunderland  
University of Surrey  
University of Sussex  
University of the West England, Bristol  
University of West England  
Dublin University of Technology

## CANADA & USA

Foothill College  
Georgian College  
Green River College  
Long Island University  
Rhode Island School of Design  
Rochester Institute of Technology, New York  
Simon Fraser University  
The University of Connecticut  
University of Alberta  
University Of Prince Edward Island  
University of Washington

## SINGAPORE

LASALLE College of the Arts  
Nanyang Technological University  
National University of Singapore

## INDIA

Indian School of Business and Finance  
JJM Medical College  
Manipal University  
M S Ramaiah Institute of Technology  
Vinayaka Missions University, Salem

## NEW ZEALAND

Auckland University of Technology  
Canterbury University  
Massey University  
University of Auckland  
University of Canterbury  
University of Otago  
Victoria University, Wellington

## JAPAN

Musashino University  
Nagoya University  
Osaka University  
Waseda University

## MALAYSIA

Monash University Malaysia  
Sunway University  
Victoria University, Sunway  
Public and Private Universities in Malaysia

## CHINA

Fudan University

## KOREA

Seoul National University

## HONG KONG

Hong Kong Polytechnic University  
University of Hong Kong

## NORWAY

University of South-Eastern Norway

## GERMANY

Rwth Aachen University  
University Of Duisburg-Essen

## POLAND

Jagiellonian University  
Medical University of Lodz  
Medical University of Warsaw

# SUBJECT OVERVIEW: ATAR LANGUAGES

## ATAR English

The course focuses on developing students' analytical, creative, critical thinking and communication skills in all language modes, encouraging students to critically engage with texts from their contemporary world, the past, and from various cultures. Through close study and wide reading, viewing and listening, students develop the ability to analyse and evaluate the purpose, stylistic qualities and conventions of texts and to enjoy creating imaginative, interpretive, persuasive and analytical responses in a range of written, oral, multimodal and digital forms.

### UNIT CONTENT

.....

Students are encouraged to evaluate the purpose, stylistic qualities and conventions of texts from a range of genres – non-fiction print texts, literature, and visual texts. They are also expected to create imaginative, interpretive, persuasive, and analytical responses in written and oral forms. This course is designed to enable students to critically engage with texts from their contemporary world, the past, and from Australia and other cultures.

#### Two main areas of discourse:

- Language and identity
- Language and ideas

## ATAR English as an Additional Language or Dialect (EALD)

This course is designed for students who speak another language or dialect as their first or 'home' language. EAL/D focuses on development of the competent use of Standard Australian English (SAE) in a range of contexts. Academic English skills are developed to prepare students for tertiary study.

### UNIT CONTENT

.....

- Australia as a Cultural Community
- Language and Empowerment

Requirement: Only available to students for whom English has not been the major language of instruction for a period of 7 years prior to commencement of the current year of study.

## ATAR Chinese as a Second Language

The course is designed to further develop students' knowledge and understanding of the culture and the language of Chinese-speaking communities, providing them with opportunities to gain a broader and deeper understanding of Chinese and extend and refine their communication skills. The course focuses on the interrelationship of language and culture, and equips students with the skills needed to function in an increasingly globalised society, a culturally and linguistically diverse local community, and provides them with the foundation for life-long language learning.

### UNIT CONTENT

.....

The subject content is organised around five broad Topic areas which provide contexts for the acquisition of vocabulary and the study of grammar and structures. Through the study of these Topic areas, students gain insight into target language countries and communities.

#### The Topic areas are:

- Everyday activities
- Personal and social life
- The world around us
- The world of work
- The international world

# SUBJECT OVERVIEW: **ATAR MATHEMATICS**

## **ATAR Mathematics Methods**

This course focuses on the use of calculus and statistical analysis. The study of calculus provides a basis for understanding rates of change in the physical world and includes the use of functions, their derivatives and integrals, in modelling physical processes. The study of statistics develops students' ability to describe and analyse phenomena that involve uncertainty and variation. The course provides a foundation for further studies in disciplines in which mathematics and statistics have important roles. This course is designed for students whose future pathways may involve mathematics and statistics and their applications in a range of disciplines at the tertiary level, including the health and social sciences.

### **UNIT CONTENT**

.....

- Bivariate data analysis
- Further differentiation and applications
- Integrals
- Discrete random variables
- The logarithmic function
- Continuous random variables and the normal distribution
- Interval estimates for proportions

Working with CAS-enabled Calculator is essential

A minimum grade B in IGCSE Mathematics or equivalent is highly recommended.

## **ATAR Mathematics Specialist**

This course provides opportunities, beyond those presented in the Mathematics Methods ATAR course, to develop rigorous mathematical arguments and proofs, and to use mathematical models more extensively. Mathematics Specialist contains topics in functions and calculus, as well as their application in many areas. The course extends understanding and knowledge of statistics and introduces the topics of vectors, complex numbers, and matrices. It is recommended that Mathematics Specialist should be studied in conjunction with the Mathematics Methods ATAR course, as preparation for entry to specialised university courses such as engineering, physical sciences, and mathematics.

### **UNIT CONTENT**

.....

- Complex numbers
- Functions and sketching graphs Vectors in three dimensions
- Integration and applications of integration
- Rates of change and differential equations
- Statistical inference

Working with CAS-enabled Calculator is essential

Requirement: Mathematics Methods must be taken simultaneously

# SUBJECT OVERVIEW: ATAR SCIENCE

## ATAR Chemistry

The Chemistry ATAR course equips students with the knowledge, understanding and opportunity to investigate properties and reactions of materials. Theories and models are used to describe, explain and make predictions about chemical systems, structures and properties. Students make informed, balanced decisions about chemical use. Investigations and laboratory activities develop an appreciation of the need for precision, critical analysis and informed decision making.

### UNIT CONTENT

.....

#### Equilibrium, acids and bases, and redox reactions

- Acid base equilibrium systems and applications
- Properties, uses and strengths of acids and bases
- Oxidation and reduction reactions
- Electrochemical cells

#### Organic chemistry and chemical synthesis

- Structure, properties and chemical
- reactions of different functional groups
- Chemical synthesis to form useful substances and products

A minimum grade B in IGCSE Chemistry or equivalent is highly recommended.

## ATAR Biology

A unique appreciation of life and a better understanding of the living world are gained through studying the Biology ATAR course. This course encourages students to be analytical, to participate in problem-solving and to systematically explore fascinating and intriguing aspects of living systems, from the microscopic level through to ecosystems.

Students develop a range of practical skills and techniques through investigations and fieldwork in authentic contexts, such as marine reefs, endangered species, urban ecology, or biotechnology. Scientific evidence is used to make informed decisions about controversial issues.

### UNIT CONTENT

.....

#### Continuity of Species

- Heredity
- Continuity of Life on Earth
- Science as a Human Endeavour

#### Surviving in a Changing Environment

- Homeostasis
- Infectious Diseases
- Science as a Human Endeavour
- Science Inquiry Skills

## ATAR Physics

Students will learn how energy transformations can shape the environment from the small scale, in quantum leaps inside an atom's electron cloud, through the human scale, in vehicles and the human body, to the large scale, in interactions between galaxies. Students have opportunities to develop their investigative skills and use analytical thinking to explain and predict physical phenomena. Students plan and conduct investigations to interpret observations and solve problems using evidence to justify conclusions.

### UNIT CONTENT

.....

#### Gravity and electromagnetism

- Motion of objects in gravitational fields
- Motion of projectiles, orbiting satellites, planets and moons
- Ways in which force may affect the stability of extended objects
- Electromagnetism
- Interaction of magnetic field and current electricity
- Electromagnetic induction

#### Revolutions in modern physics

- Wave particle duality quantum theory
- Special relativity
- The Standard Model of particle physics
- Big Bang Theory

A minimum grade B in IGCSE Physics or equivalent is highly recommended.



# SUBJECT OVERVIEW: ATAR HUMANITIES & APPLIED SCIENCES

## ATAR Accounting & Finance

The Accounting and Finance ATAR course focuses on financial literacy and aims to provide students with the knowledge, understanding and a range of skills that enables them to make sound financial judgement. Through the preparation, examination and analysis of a variety of financial documents and systems, students develop an understanding of the fundamental principles and practices upon which accounting and financial management are based. An understanding and application of these principles and practices enables students to analyse their own financial data and that of businesses and make informed decisions, forecasts of future performance, and recommendations based on that analysis.

### UNIT CONTENT

.....

- Introduction to Management
- Accounting and Financial Accounting
- Cost Volume Profit Analysis
- Costing, Standard Costing and Variance Analysis
- Budgets
- Capital Budgeting
- Companies and External Reports
- Ratio Analysis
- Accounting Regulations and Bodies
- Corporate Social Responsibility and Disclosure
- Conceptual Framework and Concepts

## ATAR Modern History

Studying the Modern History ATAR course enables students to become critical thinkers and helps inform their judgments and actions. Students are exposed to a variety of historical sources, including government papers, extracts from newspapers, letters, diaries, photographs, cartoons, paintings, graphs, and secondary sources, in order to determine the cause and effect, and the motives and forces influencing people and events. Through the process of historical inquiry, students are encouraged to question and evaluate historical sources, identify various representations and versions of history, use evidence to formulate and support their own interpretations and communicate their findings in a variety of ways.

### UNIT CONTENT

.....

- Modern Nations in the 20th Century
- The Modern World Since 1945



# ST. MARK'S AUSTRALIAN

INTERNATIONAL SCHOOL

Tri-Lingual School of Mathematics and Science



Government of  
Western Australia

## Rama 9 Campus

900 Rama 9 Road

Suanluang, Bangkok 10250

Tel: 02 300 5463

| Email: [info@stmarks.ac.th](mailto:info@stmarks.ac.th)

## Srinakarin Campus

Opening August 2022

1312 Srinakarin Road

Suanluang, Bangkok 10250

| [www.stmarks.ac.th](http://www.stmarks.ac.th)