PRE-UNIVERSITY STUDIES 2021

Pathway to a Brighter Future
Experienced in and committed to working with students in Pre-University Studies, our lecturers and the teaching-learning approaches bring out the best academic performance and leadership attributes in our students.

The unique aspect of our Pre-University Studies experience is the mentoring and guidance students receive from dedicated and professional academics.

AUSTRALIAN MATRICULATION PROGRAMME (AUSMAT)

CAMBRIDGE GCE ADVANCED-LEVEL (A-LEVEL)

CANADIAN INTERNATIONAL MATRICULATION PROGRAMME (CIMP)

MONASH UNIVERSITY FOUNDATION YEAR (MUFY)

SUNWAY FOUNDATION PROGRAMME
- FOUNDATION IN ARTS (FIA)
- FOUNDATION IN SCIENCE AND TECHNOLOGY (FIST)
PATHWAY TO A BRIGHTER FUTURE

FOUNDATION FOR TERTIARY STUDIES
The six internationally recognised Pre-University programmes are tailored to suit individual student’s academic pathway. Every success story is a testimony of Sunway College’s high degree of pastoral care and academic guidance.
• Australian Matriculation Programme (AUSMAT)
• Cambridge GCE Advanced-Level (A-LEVEL)
• Canadian International Matriculation Programme (CIMP)
• Monash University Foundation Year (MUFY)
• Sunway Foundation in Arts (FIA)
• Sunway Foundation in Science and Technology (FIST)

A strong tradition of academic excellence prevails at Sunway College. Every attention is given to our students’ development. Students develop teamwork, communication and independent learning skills which build confidence and success.

ENRICHING LEARNING EXPERIENCES
Students have a head-start not only academically but also personally through exposure to extracurricular activities in clubs & societies. They are also enriched by lectures, eminent speakers and industry leaders.

LEARNING RESOURCES & FACILITIES
Sunway College provides a comprehensive range of teaching and learning resources and facilities. Classes are conducted in conducive and well-facilitated premises and are supported by state-of-the-art technology.

EXPERIENCED & DEDICATED LECTURERS
Lecturers are committed to teaching and learning, offer personalised attention and mentoring through small-group learning to assist students in achieving their goals. More than 70% of Pre-University lecturers at Sunway College have more than 5 years of teaching experience.

GUIDANCE TO UNIVERSITY PLACEMENT
Lecturers and guidance advisers assist students with information and advice on career choices and university applications and place students in the university of their choice. Sunway College’s Pre-University students have successfully progressed into prominent universities worldwide such as Oxford and Cambridge in the UK, Harvard and Cornell in the USA, and Group of Eight Universities in Australia, to name a few.
EDUCATION PATHWAYS

UNIVERSITIES WORLDWIDE
Australia / Canada / Ireland / Malaysia / New Zealand / Russia / Singapore / UK / USA and others

SUNWAY UNIVERSITY

MONASH UNIVERSITY
Malaysia Campus / Australian Campuses

PRE-UNIVERSITY STUDIES

AUSTRALIAN MATRICULATION PROGRAMME (AUSMAT)
1 year

CAMBRIDGE GCE ADVANCED-LEVEL (A-LEVEL)
15 / 18 / 21 months

CANADIAN INTERNATIONAL MATRICULATION PROGRAMME (CIMP)
9 / 12 / 15 months

MONASH UNIVERSITY FOUNDATION YEAR (MUFY)
9 - 12 months

SUNWAY FOUNDATION PROGRAMME
- FOUNDATION IN ARTS (FIA)
- FOUNDATION IN SCIENCE AND TECHNOLOGY (FIST)
1 year

SPM / O-LEVEL / EQUIVALENT
Over 110 World Awards To-date

Best Performing AUSMAT Provider
Based on 2019 results

55% AUSMAT Graduates Achieved ATAR* 80 And Above
*ATAR: Australian Tertiary Admission Rank
Based on 2019 results
The School Curriculum and Standards Authority of Western Australia, on behalf of the Government of Western Australia, oversees the quality implementation of the AUSMAT Programme.

- Best Smart School Award at the 2019 Edutech Asia Award
- The only WACE provider in Malaysia that offers both ATAR & General courses
- Year 12 Curriculum of Western Australia
- Prepares students for the Western Australian Certificate of Education (WACE)
- More than 30 years of excellence
- Unique assessment structure: 50% School-based assessment & 50% External examination
- More than 100 subject combinations that include Science & Humanities
- Flexibility to explore diverse academic and career interests
- Focus on lifelong learning skills such as consistency, multitasking, time management, collaboration and communication
- Academic Advising programme: Personalised pastoral care for each student
- Mentor-mentee programme: Peer support for academic progress
AUSMAT PROGRAMME OVERVIEW

You’re suitable for AUSMAT if you:

▶ Want a qualification recognised in Malaysia and worldwide
▶ Are a 21st century learner who prefers lessons that incorporate effective use of educational technology
▶ Want the flexibility to choose subjects from Science & Humanities
▶ Prefer the balance of continuous school-based assessment and external exam
▶ Prefer to develop skills such as multitasking, consistency, time management, collaboration & communication

CHOICE OF SUBJECTS

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

OPTION
5 ATAR subjects is for you if:
• You would like to take advantage of choosing best 4 of 5 subjects for your ATAR calculation
• You can cope with external exam for 5 subjects in November

OPTION
4 ATAR subjects & 1 GENERAL subject is for you if:
• You would like to take a less rigorous subject to explore different interests
• You would like to focus on only 4 subjects in November external exam

ATAR Language
English
English as an Additional Language or Dialect

ATAR Mathematics
Mathematics Applications
Mathematics Methods
Mathematics Specialist

ATAR Sciences
Chemistry
Human Biology
Physics

ATAR Humanities and Social Sciences
Accounting and Finance
Business Management and Enterprise
Economics
Psychology

GENERAL SUBJECT*
Career & Enterprise
Computer Science
English
Food Science & Technology
Politics and Law

* To be offered in March 2021
* The programme reserves the right not to offer a subject if less than 20 students enrol for the subject
AUSMAT PROGRAMME STRUCTURE

STRUCTURE
The AUSMAT programme is delivered over two semesters (January and March intakes) or three semesters (September intake).

ASSESSMENT AND EXAMINATIONS
AUSMAT offers a balanced assessment approach of 50% school assessment and 50% external examinations.

The school assessment component removes the pressure associated with a single high-stakes end-of-year examination. A variety of assessment methods such as tests, quizzes, assignments, investigations, research, presentation and examinations will develop students as versatile learners.

Officers appointed by the School Curriculum and Standards directly supervise and conduct examinations. Moreover, all external examination scripts are sent to Western Australia for marking.

CALCULATION OF ATAR
AUSMAT provides the benefit of calculating a student’s score based on ‘Best 4- ATAR’ subjects. These scores are then ranked for the Australian Tertiary Admission Rank (ATAR) for university applications.

Entry Requirements
Passed SPM, O-Level or equivalent with minimum five (5) credits including English

English Language Requirement:
For students without a credit or higher in English:
• IELTS - minimum score of 5.5 and Writing not less than 5.5 with no band less than 5.0 or equivalent

Intakes
January / March / April / September

External Examinations
First week of November

OUR GRADUATES MOVE ON TO...

London School of Economics, UK
Actuarial Science
Aaron Khoo

University of Auckland, New Zealand
Biomedical Science
Stephen Choong

Vinayaka Missions University, India
Dental Surgery
Vanashri Saravanan
57.8% STRAIGHT A* / As
Based on October/November 2019 Examination

360 TOP IN THE WORLD / TOP IN MALAYSIA AWARDS TO-DATE
CAMBRIDGE GCE ADVANCED-LEVEL (A-LEVEL)

We prepare students for the General Certificate of Education Advanced Level (GCE A-Level) qualification through examinations by the Cambridge International Examinations (CIE).

- Accepted as proof of academic ability for entry into highly competitive courses and top-ranked universities worldwide
- Examination structure: Advanced Subsidiary (AS) and Advanced Level (A2)
- Emphasis is on analysis and application of in-depth knowledge and laboratory skills
- Assessment: 100% examination-based
- Mentor-mentee system guides students through their academic progress and university applications
A-LEVEL PROGRAMME OVERVIEW

You’re suitable for A-Level if you:

- Are academically inclined with a strong analytical and inquisitive mind
- Intend to keep open as many options as possible in terms of university studies
- Aim to apply for competitive courses and / or universities
- Prefer a 100% examination-based assessment

CHOICE OF SUBJECTS

The A-Level subjects offered are:

- Accounting ##
- Biology
- Chemistry
- Economics
- Further Mathematics *
- History
- Law
- Literature in English #
- Mathematics
- Physics
- Psychology
- Thinking Skills (AS only)

* To be taken as a fourth subject in addition to Mathematics;
# Literature in English is not offered in the March Intake.
## Accounting is not offered in the September intake.

Students shall be required to choose a minimum of three (3) or a maximum of four (4) A-Level subjects. Thinking Skills is offered at AS Level only. We encourage students to consider Thinking Skills as a fourth or additional subject to strengthen their university applications.

The following is a guide to the most popular subject combinations students choose as pathways to various university programmes.

Pre-Medicine & Pre-Science

- Biology
- Chemistry
- Literature in English #
- Mathematics
- Physics
- Psychology

Pre-Engineering & Pre-Science

- Chemistry
- Economics
- Further Mathematics *
- Literature in English #
- Mathematics
- Physics

Pre-Business & Pre-Law

- Accounting ##
- Economics
- History
- Law
- Literature in English #
- Mathematics
- Psychology
A-LEVEL PROGRAMME STRUCTURE

STRUCTURE
The Cambridge A-Level curriculum provides a bedrock of foundational knowledge and comprehensive coverage in the breadth and depth of subjects offered. Students are assessed on their mastery of subject matter, their application of knowledge, understanding of everyday scenarios and their ability to think critically in unfamiliar situations. In the Sciences, a fair part of the assessment involves demonstration of laboratory-based skills.

ASSESSMENT AND EXAMINATIONS
The A-Level syllabus is divided into AS Level, the first half of the programme, which forms the foundation of A-Level (A2). The A2 Level is the second part of the syllabus and covers more advanced topics. Each level contributes 50% towards the final A-Level grade.

The examination papers for both the AS and A2 Levels are set and marked by examiners from Cambridge International Examinations.

OUR GRADUATES MOVE ON TO...

King’s College
Cambridge, UK
Medicine
Marcus Ho

University of California, Davis
Psychology and Linguistics
Melanie Yoon Weng Mun

University of Cambridge, UK
Medicine
Danial Bin Muhammad Syafiq Baljit

Entry Requirements
Passed SPM, O-Level or equivalent with minimum five (5) credits including English

English Language Requirement:
For students without a credit or higher in English:
• IELTS - minimum score of 5.5

Intakes
January / July - Standard
March / April - Accelerated
September - Extended

Examinations
June and November
THE ONLY CANADIAN PRE-UNIVERSITY PROGRAMME IN MALAYSIA

227 GLOBAL UNIVERSITIES HAVE ADMITTED OVER 10,000 CIMP GRADUATES

Ontario (Canada) Education system is ranked No.1 among all traditional English-speaking countries throughout the world in terms of students performance in Math, Science & Literacy.
CIMP is the Canadian Year 12 School curriculum delivered according to the requirements of the Ontario (Canada) Ministry of Education.

- Current faculty has over 370 years of teaching experience and have taught in 29 countries in addition to Malaysia
- Students graduate with the internationally recognised Ontario Secondary School Diploma, with the necessary academic and interpersonal skills to compete successfully in the global world
- CIMP focusses on:
  - High level of communication with students and parents regarding attendance & academic progress (letters of early communication, attendance reports, 2 report cards each semester, email communication, webpage & social media, consulting & curriculum progress on digital classroom)
  - Extra-curricular activities including Student Council, Model United Nations, People to People International, Varsity Athletics in the International School Athletic Conference, various clubs and societies; poetry, fitness, Math & English help, coding, entrepreneurship, sports
  - Student recognition: Community service awards, extra-curricular activities awards, student of the month, subject achievement awards
  - Character education: Virtues of the month: Acceptance, Responsibility, Loyalty, Creativity, Optimism, Citizenship, Diligence, Ambition, Aspiration, Gratitude
CIMP PROGRAMME OVERVIEW

You’re suitable for CIMP if you:

- Prefer emphasis on continuous assessment and formative feedback, rather than final external examination
- Learn best through a variety of assessment techniques to develop communication, collaboration and critical thinking skills
- Value contributing to society through volunteering to foster character development and citizenship
- Wish to be engaged in the educational community by participating in extracurricular activities and exploring individual interests and creative skills

CHOICE OF SUBJECTS

Students are required to choose six (6) subjects from the list below that best suit the entry requirements for their university studies.

<table>
<thead>
<tr>
<th>English</th>
<th>Social Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG4C</td>
<td>CGW4U World Issues: A Geographic Analysis</td>
</tr>
<tr>
<td>ENG4U</td>
<td>CHY4U World History since the Fifteenth Century</td>
</tr>
<tr>
<td>EWC4U</td>
<td>CIA4U Analysing Current Economic Issues</td>
</tr>
<tr>
<td>OLC4O</td>
<td>HHS4U Families in Canada</td>
</tr>
<tr>
<td></td>
<td>HSB4U Challenge and Change in Society</td>
</tr>
<tr>
<td></td>
<td>PSK4U Introductory Kinesiology</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Business Studies</th>
<th>Sciences</th>
</tr>
</thead>
<tbody>
<tr>
<td>BAT4M</td>
<td>SBI4U Biology</td>
</tr>
<tr>
<td>BBB4M</td>
<td>SCH4U Chemistry</td>
</tr>
<tr>
<td>BOH4M</td>
<td>SPH4U Physics</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Computer Studies</th>
<th>Mathematics</th>
</tr>
</thead>
<tbody>
<tr>
<td>TGJ4M</td>
<td>MCV4U Calculus and Vectors</td>
</tr>
<tr>
<td>ICS4U</td>
<td>MDM4U Mathematics of Data Management</td>
</tr>
<tr>
<td></td>
<td>MHS4U Advanced Functions</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Performing Arts</th>
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</tr>
</thead>
<tbody>
<tr>
<td>ADA4M</td>
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<tr>
<td>AMU4M</td>
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</tbody>
</table>
STRUCTURE
All students must successfully complete the following to graduate with the Ontario Secondary School Diploma (OSSD):
- Six (6) pre-university courses including ENG4U or ENG4C.
- An external literacy test (OSSLT) administered with the Ontario Ministry of Education.
- Ten (10) hours of approved Community Service.
Students should select subjects that best suit the entry requirements for their university studies.

ASSESSMENT AND EXAMINATIONS
Assessment is based on continuous evaluation.
- 70% is formative assessment (tests, assignments, daily work, etc.)
- 30% is final exam and / or culminating activity

Parents / Guardians will receive two formal report cards of their child’s performance, sent out each semester. Students will receive an Ontario Student Transcript (OST) disclosing full information on all subjects taken.

OUR GRADUATES MOVE ON TO...

<table>
<thead>
<tr>
<th>Seattle Pacific University, USA</th>
<th>University of Toronto, Canada</th>
<th>University of Melbourne, Australia</th>
</tr>
</thead>
<tbody>
<tr>
<td>Global Development and Social Justice &amp; Cultural Studies</td>
<td>Bachelor of Applied Science – Industrial Engineering</td>
<td>Bachelor of Commerce – BComm, Accounting &amp; Finance</td>
</tr>
<tr>
<td>Eirene Smith</td>
<td>Loo Foong Ann</td>
<td>Swarna Laxmi A/P Selvaraja</td>
</tr>
</tbody>
</table>

The Ontario Secondary School Diploma is a world-recognised pre-university qualification that is offered in many countries outside of Canada. The programme is approved and annually inspected by the Ontario Ministry of Education to maintain high academic integrity.
Based on 2019 results

ACHIEVED AN OVERALL HIGH DISTINCTION (SCORE OF 80% & ABOVE)

AWARDED THE MONASH HIGH ACHIEVER SCHOLARSHIP (SCORE OF 89% & ABOVE)

TOP IN 24 OUT OF 24 SUBJECTS Among Global MUFY Providers

754 GRADUATES

266 GRADUATES

Based on 2019 results

Based on 2019 results

Based on 2019 results
The academic bridge for students to transition successfully into undergraduate studies at Monash University and other universities.

- Sunway College is the only provider of the MUFY Programme in Malaysia
- Recognised by all Australian universities, selected NZ and UK universities, branch campuses of overseas universities in Malaysia and other local private universities
- Non-discipline specific foundation programme that prepares students for all university courses
- Flexible mode of study through modular delivery
- Coursework-focused curriculum develops vital skills for success in university
- Many MUFY graduates are awarded scholarships to pursue undergraduate studies
MUFY PROGRAMME OVERVIEW

You’re suitable for MUFY if you:

- Have Monash University on your radar
- Are considering other Australian, New Zealand, UK or private universities in Malaysia
- Are interested in a non-discipline specific foundation programme that prepares students for a broad range of university courses

### CHOICE OF SUBJECTS

#### Language

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUF0011</td>
<td>English Unit 1 (Compulsory)</td>
</tr>
<tr>
<td>MUF0012</td>
<td>English Unit 2 (Compulsory)</td>
</tr>
</tbody>
</table>

#### Business

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUF0021</td>
<td>Accounting Unit 1</td>
</tr>
<tr>
<td>MUF0022</td>
<td>Accounting Unit 2</td>
</tr>
<tr>
<td>MUF0061</td>
<td>Economics Unit 1</td>
</tr>
<tr>
<td>MUF0062</td>
<td>Economics Unit 2</td>
</tr>
</tbody>
</table>

#### Computer Science

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
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</thead>
<tbody>
<tr>
<td>MUF0051</td>
<td>Information and Communication Technology Unit 1</td>
</tr>
<tr>
<td>MUF0052</td>
<td>Information and Communication Technology Unit 2</td>
</tr>
</tbody>
</table>

#### Mathematics

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUF0101</td>
<td>Advanced Mathematics Unit 1</td>
</tr>
<tr>
<td>MUF0102</td>
<td>Advanced Mathematics Unit 2</td>
</tr>
<tr>
<td>MUF0141</td>
<td>Fundamental Mathematics Unit 1</td>
</tr>
<tr>
<td>MUF0142</td>
<td>Fundamental Mathematics Unit 2</td>
</tr>
<tr>
<td>MUF0091</td>
<td>Mathematics Unit 1</td>
</tr>
<tr>
<td>MUF0092</td>
<td>Mathematics Unit 2</td>
</tr>
</tbody>
</table>

#### Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUF0031</td>
<td>Biology Unit 1</td>
</tr>
<tr>
<td>MUF0032</td>
<td>Biology Unit 2</td>
</tr>
<tr>
<td>MUF0041</td>
<td>Chemistry Unit 1</td>
</tr>
<tr>
<td>MUF0042</td>
<td>Chemistry Unit 2</td>
</tr>
<tr>
<td>MUF0121</td>
<td>Physics Unit 1</td>
</tr>
<tr>
<td>MUF0122</td>
<td>Physics Unit 2</td>
</tr>
</tbody>
</table>

#### Social Sciences

<table>
<thead>
<tr>
<th>Course Code</th>
<th>Course Title</th>
</tr>
</thead>
<tbody>
<tr>
<td>MUF0131</td>
<td>Global Studies Unit 1</td>
</tr>
<tr>
<td>MUF0132</td>
<td>Global Studies Unit 2</td>
</tr>
<tr>
<td>MUF0151</td>
<td>Contemporary Issues Unit 1</td>
</tr>
<tr>
<td>MUF0152</td>
<td>Contemporary Issues Unit 2</td>
</tr>
</tbody>
</table>

*The Programme reserves the right not to offer a unit if less than ten students enrol for the unit.*

**SUCCESSFUL COMPLETION OF THE PROGRAMME**

A student must pass a minimum of eight different units to complete MUFY successfully. At least six of the eight units must be derived from three subjects i.e. there must be at least three complete subjects. One of the three complete subjects must be English. The remaining two units can be derived from either the same subject or from different subjects.

The MUFY programme is offered on a modular or semester basis. Each subject is divided into two units i.e. unit 1 and unit 2. In total, the programme offers twelve subjects in twenty-four units.
MUFY PROGRAMME STRUCTURE

STRUCTURE & MODE OF LEARNING
MUFY is a two semester programme which is available across multiple intakes and offered in two formats:
• Standard programme, commencing in January, March and July. Students study 4 units in semester 1 and another 4 in semester 2.
• Intensive programme, commencing in August. Students study 3 units in semester 1, and 5 units in semester 2.

MUFY is delivered on a blended learning format which combines face-to-face instruction with self-directed learning delivered on an e-learning platform. To cope with this learning approach, students are advised to bring their own laptops.

ASSESSMENT AND EXAMINATIONS
Students are assessed through a mix of coursework (e.g. assignments, class tests, research projects, presentations) and final examinations. Coursework constitutes 70% of the total score while the remaining 30% is based on final examinations.

The MUFY programme scoring scale is determined as follows:

<table>
<thead>
<tr>
<th>GRADE SCORE</th>
<th>(%)</th>
<th>GRADE SCORE</th>
<th>(%)</th>
</tr>
</thead>
<tbody>
<tr>
<td>HD (High Distinction)</td>
<td>80 – 100</td>
<td>P (Pass)</td>
<td>50 – 59</td>
</tr>
<tr>
<td>D (Distinction)</td>
<td>70 – 79</td>
<td>N (Fail)</td>
<td>0 – 49</td>
</tr>
<tr>
<td>C (Credit)</td>
<td>60 – 69</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

CALCULATION OF THE MUFY SCORE
To arrive at the MUFY score, the passed marks obtained from all eight units are added up and then divided by eight. Bonus marks are awarded to students who complete nine or ten units in two semesters.

Entry Requirements
Passed SPM, O-Level or equivalent with minimum five (5) credits including English

English Language Requirement:
For students without a credit or higher in English:
• IELTS - minimum score of 5.5 and Writing not less than 5.5 with no band less than 5.0 or equivalent

Students should be at least 16 years old in the year of enrolment.

Duration ▶ 9 - 12 months
Intakes ▶ January / March / July (Standard)
▶ April / August (Intensive)
Examinations May, June and November

Sunway College’s MUFY programme assures students’ successful progression into degree programmes at Monash University upon meeting Monash’s requirements. There is a good record of successful placements into other Australian, New Zealand, UK and private universities in Malaysia.

OUR GRADUATES MOVE ON TO...

Monash University
Bachelor of Medical Science and Doctor of Medicine
Matteus Lim Zhen Chien

Monash University
Bachelor of Electrical and Computer Systems Engineering
Alia Qamelia

Monash University
Bachelor of Business and Commerce
Rajiv Martin

*For more information on the MUFY programme, kindly refer to the MUFY Student Guide 2021: https://college.sunway.edu.my/programmes/pre-u/mufy/resources
OF THE SUNWAY UNIVERSITY STUDENTS AWARDED FIRST CLASS HONOURS IN 2020, 48% ARE FIA & FIST ALUMNI

MORE THAN 80% GRADUATES QUALIFIED FOR JEFFREY CHEAH CONTINUING SCHOLARSHIP
SUNWAY FOUNDATION PROGRAMME
(FIA & FIST)

FOUNDATION IN ARTS (FIA)
FIA creates an academic pathway for students to transition smoothly into tertiary level studies at Sunway University or to selected local and overseas universities.

• Enables students to set personal and academic goals and to identify their individual talents
• Develops social responsibility through community involvement and participation in extra-curricular activities
• Equips students with technical and soft skills necessary to be resourceful and successful in higher studies and enterprising in their careers
• Assessment: 50% coursework and 50% examination
• Support and guidance to students on academic and personal matters by dedicated lecturers

FOUNDATION IN SCIENCE AND TECHNOLOGY (FIST)
FIST charts a learning strategy to prepare students to move into tertiary fields of study in science in their areas of interest.

• The programme is designed to ensure that students are able to set personal achievement targets
• Compulsory subjects of English for Science and Academic Writing Skills prepare students for language used in higher level scientific literature and academic rigor of undergraduate courses. The programme inculcates a sound understanding of ICT application skills and statistics
• The programme encourages enrichment in general knowledge, critical thinking skills and Professional Development
• Students explore through interactive discourses in units of Critical Thinking, Science and Ethics, Scientific Revolutions, Introduction to Psychology and Professional Development
• All aspects of learning in FIST are current with practical situations and experience that will ensure understanding of concepts and theories
FIA PROGRAMME OVERVIEW

You’re suitable for FIA if you:

➤ Prefer a direct pathway to Sunway University Degree Programmes
➤ Perform better through 50% coursework and 50% examination
➤ Want to develop strong foundation in a chosen field of study
➤ Are active and like working in teams
➤ Enjoy academic rigor and student-driven activities

CHOICE OF UNITS

Students are to complete minimum thirteen (13) units. They are required to take all Core Units and Enrichment Units. They are advised to take minimum 4 Academic Electives.

CORE UNITS

• Communication: Audience and Context
  • Language and Communication
  • Language and Knowledge

• Contemporary Business Mathematics
• Mathematical Techniques and Analysis
• Statistical Techniques OR
  Contemporary Creative Expression (Film as Art)*

ACADEMIC ELECTIVES

• Introduction to Accounting Techniques
• Accounting Processes and Reports
• Introduction to Business: World of Finance
• Microeconomics: Concepts and Models
• Macroeconomics: The Global View
• Introduction to Business: Management and Marketing
• Mathematics for Actuarial Studies

• Introduction to Mass Communication
• Introduction to Advertising
• Introduction to Public Relations
• Travel and Cuisine
• Introduction to Computer Science
• Social Media in the New IT World
• Introduction to Programming
• Calculus**

ENRICHMENT UNITS

• Critical Thinking Skills
• Culture: Art & Expressions
• Introduction to Psychology

* Note: Please consult programme advisors for selection of this unit as an option to Statistical Techniques.
** Note: Please consult programme advisors for selection of this unit.
FIA PROGRAMME STRUCTURE

ASSESSMENT AND EXAMINATIONS
Students are evaluated through 50% coursework (quizzes, projects, topic reviews, investigations, assignments and presentations) and 50% examination at the end of each unit. The completion certificate awarded will show a combined CGPA and grade.

CGPA calculation is based on all units attempted.

STUDENT SUPPORT SYSTEM
The Director of Programme, Deputy Director and Coordinators provide academic guidance and monitor students’ progress.

Students are supported by:
• Programme mentor
• We Care Team
• Peer Support

STRUCTURE
• 3 semesters of 14-week duration each
• 6 Core and 3 Enrichment Units are COMPULSORY
• 4 Academic Electives are COMPULSORY
• All units are 4 credit hours each

ENRICHMENT UNITS
Broadens students’ general knowledge; develops their critical thinking skills through understanding of individuals, groups and events influencing the world around them.

OUR GRADUATES MOVE ON TO...

Sunway College's FIA is a direct pathway to Sunway University Degree Programmes (mostly validated by Lancaster Universities or accredited by Le Cordon Bleu). You can pursue degrees in Accounting & Finance, Business Management, Psychology, Information Technology, Computer Science, Actuarial Studies and many more upon meeting requirements of the programmes.

Entry Requirements
Passed SPM, O-Level or equivalent with minimum five (5) credits.

Duration
1 year

Intakes
January / April / July / September

Completion
December / March / July / August
FIST PROGRAMME OVERVIEW

You're suitable for FIST if you:

- Have a love for the sciences and the environment around you
- Have an inquiring mind and desire to pursue science related fields in university
- Have Year 11 or equivalent qualifications in the last two years of school either in pure science or biological science

CHOICE OF UNITS

Students are to complete minimum thirteen (13) units. They are required to take all Core Units and Enrichment Units. They are advised to take minimum 6 Academic Electives.

CORE UNITS

- English Language for Scientists
- Statistics for Scientists
- ICT Application Skills
- Academic Writing Skills

ACADEMIC ELECTIVES

Technical Sciences
- Mathematics for Scientists**
- Principles of Mechanical Science
- Principles of Electrical Science*
- Technical Mathematics
- Basic Computer Concepts
- Introduction to Programming
- Introduction to Renewable Energy

Life Sciences
- Basic Chemistry
- Principles of Chemistry*
- Introduction to Biology
- Principles of Cell Biology*
- Introduction to Psychology
- Introduction to Food Science
- Safety, Health and Environment

ENRICHMENT SUBJECTS

- Critical Thinking Skills
- Science and Ethics
- Scientific Revolutions

* Note: Completion of prerequisite is needed before pursuing this subject. Please consult programme advisors.
** This subject is highly recommended for all stream of studies.
FIST PROGRAMME STRUCTURE

ASSESSMENT AND EXAMINATIONS
Students are evaluated through 50% coursework (quizzes, projects, topic reviews, investigations, assignments and presentations) and 50% examination at the end of each unit. The completion certificate awarded will show a combined mark and grade for all units.

CGPA calculation is based on all units attempted.

STUDENT SUPPORT SYSTEM
The Director of Programme, Deputy Director and Coordinators provide academic guidance and monitor students’ progress.

Students are supported by:
• Programme mentor
• We Care Team
• Peer Support

STRUCTURE
• 3 semesters of 14-week duration each
• 4 Core and 3 Enrichment Units are COMPULSORY
• 6 Academic Electives are COMPULSORY

ENRICHMENT UNITS
Broadens students’ general knowledge, develops their critical thinking skills through understanding the impact of scientific discoveries on society, environment, and the world around them.

OUR GRADUATES MOVE ON TO...

Sunway University
BSc (Hons) Medical Biotechnology
Gurpreet Kaur

Sunway University
BSc (Hons) in Computer Science
Chong Yoong Zeng

Sunway University
BSc (Hons) Psychology
Raenuga Indran

Entry Requirements
Passed SPM, O-Level or equivalent with minimum five (5) credits including Mathematics and two (2) Science subjects.

Duration
1 year

Intakes
January / April / July / September

Completion
December / March / July / August

You can pursue degrees in General Sciences, Engineering, Computer Science, Information Technology and all areas of Life Sciences: Medicine, Dentistry, Nutrition, Dietetics, Genetics, Biological Sciences upon meeting requirements of specific universities.
AUSMAT I-Care Run

The Ausmazing Race

A-Level Sport Leadership & Teambuilding at Cambridge

MUFY Talent Quest

MUFY Champs at Monash Arts Competition
Our students don’t only hit the books all day; they also get involved in all things fun! Our programmes nurture students through academic methods complemented with learning beyond the classroom. Participation in student activities, clubs and societies, field trips and educational workshops, mould our students into effective leaders and communicators.
International Office University Placement (IOUP) offers advice and assistance to Sunway students on application to universities in Australia, UK, US, Canada, New Zealand and other countries. Our students have progressed to top universities worldwide.
WHERE SOME OF OUR GRADUATES HAVE GONE:

**AUSTRALIA**

Australian National University  
Sudharsan Thiruengadam,  
Former student of St. Joseph’s Institution, Singapore

University of Melbourne  
Amanda Soon,  
Former student of SMK (P) Methodist Ipoh, Perak  
Chin Siew May,  
Former student of Sekolah Sri Cempaka, KL

University of Sydney  
Tan Li Lynn,  
Former student of SMK Bandar Utama Damansara (4), Selangor

**CANADA**

University of Alberta  
Ooi Khel Shin,  
Former student of SMK Pendang, Kedah

University of British Columbia  
Chua Alexander Ye-Jiat,  
Former student of Sekolah Sri Tenby, Selangor

University of Toronto  
Jeevaa Velayutham,  
Former student of SMK Sultan Badlishah, Kedah  
Sim Yu Szu,  
Former student of SMK Perlis, Kangar, Perlis  
Jason Nicholas Davison,  
Former student of SMK Zon R1 Wangsa Maju, KL

University of Waterloo  
Joy Christal Ng Seet Wan,  
Former student of SMK Bandar Utama Damansara (2), Selangor

McMaster University  
Prabhjeet Kaur,  
Former student of Dasmesh International School, KL

University of Victoria  
Yoghini Kandasamy,  
Former student of Dasmesh International School, KL

**HONG KONG**

University of Hong Kong  
Chin Shih Kean,  
Former student of SMK USJ 12, Selangor

**IRELAND**

University College Dublin  
Siti Nurliyana Binti Mohd Lukhman,  
Former student of SMK Tun Fatimah, Johor

**JAPAN**

Nagoya University  
Pang Tho Qin,  
Former student of SMK USJ 4, Subang Jaya, Selangor

**KOREA**

Seoul National University  
Gan Rachel,  
Former student of SMK Tengku Ampuan Rahimah, Klang, Selangor

**MALAYSIA**

Sunway University  
Ong Shang Kheng,  
Former student of SMK St. George, Perak

Monash University  
Teh Jun Ze,  
Former student of SMK Jit Sin, Penang

**NEW ZEALAND**

University of Auckland  
Stephen Choong,  
Former student of SMK Seri Saujana, KL  
Tan Aik Zen,  
Former student of SMK Taman Desa, KL

**QATAR**

Weill Cornell Medical College  
Aulia Ahmad,  
Former student of Sunway International School, Selangor

**RUSSIA**

Russian State Medical University  
Charmaine Leong,  
Former student of Tile Hill Wood School and Language College, Coventry, UK

**SINGAPORE**

National University of Singapore  
Fong Sook Yin,  
Former student of SMK Taman Sea, Selangor  
Nanyang Technological University  
Michelle Soong,  
Former student of SMK Tunku Abdul Rahman Putra, Johor

**UNITED KINGDOM**

Imperial College London  
Cherlyn Tong Ka Lyn,  
Former student of Sekolah Sri Bestari, KL

King’s College London  
Chew Yi Hsien,  
Former student of SMK Taman Sea, Selangor

London School of Economics  
Cheong Chiew Theng,  
Former student of SMK Seri Saujana, KL

University of Cambridge  
Danial Bin Muhammad Syafiq Baljit,  
Former student of Sekolah Seri Cempaka, KL

University of Edinburgh  
Tan Yin Qin,  
Former student of SMK Bandar Utama Damansara (3), Selangor

University of Leeds  
Andrew Ho Ken Chye,  
Former student of SMK Bukit Jelutong, Selangor

University College London  
Ida Thien,  
Former student of SMK Green Road, Kuching

University of Manchester  
Yau Jing Ying,  
Former student of SMJK Chung Hwa, Kelantan

University of Oxford  
Lee Min Rong,  
Former student of Kuen Cheng High School, KL  
Oh Yue Jin,  
Former student of SMK Penang Free, Penang

University of Sheffield  
Joni Tan Ern Ling,  
Former student of SMK USJ 4, Selangor

University of Warwick  
Jocelyn Ho Khai Enn,  
Former student of Sekolah Sri KDU, Selangor

**UNITED STATES OF AMERICA**

Massachusetts Institute of Technology  
Oh Coyin,  
Former student of Chong Hwa Independent High School, KL

University of Pennsylvania  
Nur Dayana Mohamed,  
Former student of SMK Bukit Jelutong, Selangor
The Jeffrey Cheah Foundation (JCF) is founded on the fundamental premise of giving to society. In line with the spirit of the Foundation, good education at the highest level should not be denied to those deserving, and for those from disadvantaged backgrounds. JCF scholarships create opportunity for all deserving students to succeed in life. JCF safeguards its institutions for the purpose of providing and sustaining quality education for present and future generations of students.

JEFFREY CHEAH ENTRANCE SCHOLARSHIP
This Scholarship is offered to all students in recognition of their excellent academic achievements prior to admission into Pre-University Studies in Sunway College. Partial and full scholarships are disbursed according to students’ academic results in SPM / O-Level.

JEFFREY CHEAH ACE SCHOLARSHIP
This Scholarship is offered to all Sunway College Pre-University and Foundation Studies students progressing into undergraduate programmes at Sunway University and Victoria University’s Bachelor of Business.

TALENT SCHOLARSHIP (SPORTS)
Awarded to students who are actively involved in sports at state / national level.

Kindly refer to our Scholarship Brochure for more details or log on to sunway.edu.my/scholarships for the full list of scholarships available. To obtain further details, do visit the Admissions Office located at the Ground Floor of Sunway College.
EXPLORE is a self-development program for Pre-University students designed by the Sunway Career Services of Student LIFE. It is tailored specifically for Pre-University students and prepares them for college life and beyond.

Activities organised by EXPLORE include on-campus seminars, talks and workshops. The most well-known of these are the EXPLORE Tea Time Talks, where speakers and trainers are brought in to have a quick one-hour session, with topics covering areas of soft skills, study skills and industry-specific sharing.

EXPLORE also organises exploration trips to companies from various industries which includes a mixture of company presentations, exhibitions and office tour. This provides students a platform and opportunity to explore further on various industries, professions and career paths.

Other events such as career exploration fairs, career interest tests and more are lined up, and will be publicised via email, Vine and the Sunway Career Services Facebook page.

The EXPLORE program is flexible and caters to every student’s schedule via a ‘stamp’ system that must be completed within a year of joining. Every EXPLORE event awards training stamps to EXPLORE members, which are collected on a card given at registration. Upon completion of the card (8 stamps), members are awarded a certificate of completion, signed and endorsed by Sunway College and the Director of Student LIFE.
STATE-OF-THE-ART FACILITIES

SUNWAY CAMPUS LIBRARY

The ISO 9001:2015 certified Library is one of the largest libraries for private educational institutions in Malaysia. Equipped with the latest library technology, Sunway Campus Library is linked worldwide, providing easy access to international e-databases and thousands of e-journals.

Its spacious 72,000 square feet of floor space provides a variety of learning spaces including individual and collaborative learning, Viewing Zone, Group Project Pods, Training Rooms, Instructional Lab, Drink and Phone Area, and Computer clusters. Users may study in the Extended Hour Study Area until 2.00 am every day.

Our library is ever growing with a huge variety of books, e-journals, online e-databases, audiovisual and other collections to support the teaching, learning and research efforts of the academic community at Sunway College KL.
QUICK FACTS

- State-of-the-art library, with latest technologies, including RFID and the SirsiDynix integrated library system
- A Discovery Service (SearchAll) to search across the catalogue, library e-resources and Internet resources at one go
- Excellent collection comprising over 147,000 books, 127 e-databases, 55,663 e-journals, 207,085 e-books, and 11,800 audiovisual materials
- 1,300 seats
- Wi-Fi access, plus 115 wired computers
- Research support for staff and students, including information skills workshops, Help Desk and orientation briefings
- Assistance in academic writing through the Academic Language Learning Service
- Online access to the Library’s e-resources using PCs and mobile devices from anywhere
- Over RM2.8 million spent for library materials annually
- 40 library staff, with 18 professional librarians
- Reciprocal borrowing privileges and access to books and e-resources from Monash University Malaysia Library and Learning Commons
- Access to e-resources from Victoria University for students following VU programmes

SCIENCE LABORATORIES

For students taking science subjects, they have access to equipments and materials at the laboratories specially designated for Biology, Chemistry and Physics practicals.
CAMPUS LIFE

EAT. PLAY. MOVE.

Eat and chill out at the spacious on-campus cafeteria, nearby off-campus restaurants and food centre, or at the endless variety available at Sunway Pyramid mall — only a Canopy Walk away.

RESIDE ON CAMPUS

Plus points — no traffic jam, convenient to get to classes, opportunity to meet new friends. Three types of on-campus accommodation are available: Sun-U Apartment, Sun-U Residence and Sunway Monash Residence.

Sunway College offers various types of excellent on-campus accommodation, with priority given to outstation and international students. All hostel units are a mere walk from everything a student would want or need.

SAFETY & SECURITY

The campus values security and have therefore set up a 24-hour Security and Auxiliary Police & Security personnel who are accorded full-fledged auxiliary police status.

Whenever a student feels under the weather, they can make their way to the sick bay. Endearingly known as Nightingale Bay, it is located at the Ground Floor of South Building West, Sunway College where a matronly Registered Nurse is on duty and well-equipped to handle minor ailments.
Sunway hosts United Nations Sustainable Development Goals event - Join Hands & Make the Pledge
Sunway City is home to world-class retail, hospitality, leisure and healthcare amenities, offering a safe lifestyle with high-technology surveillance cameras, auxiliary police and security guards.

Everything is within walking distance connected by pedestrian-friendly tracks, allowing students to fully immerse in an all-encompassing campus township lifestyle. Sunway City is also connected to the city by an efficient network of public transportation.

Sunway City, Integration at its Finest

Amazing Sunway City

An award-winning multi-themed park, Sunway Lagoon is fun for all and regularly plays host to international performances making it a vibrant event hub.

Sunway Lagoon

An accredited private hospital dedicated to specialised healthcare services with some of the best healthcare professionals in the country.

Sunway Medical Centre

Less than 5-minute walk between campus via the shaded Canopy Walk, Sunway Pyramid is a retail haven with plenty of exhibition space and activity areas.

Sunway Pyramid

A reputable, top international school that follows the renowned Ontario Secondary School curriculum.

Sunway International School

SUNWAY CITY, INTEGRATION AT ITS FINEST
An internationally recognised institution offering pre-university, diploma and professional accounting programmes as well as undergraduate twinning degree with a well-recognised Australian university.

Sunway University has established a reputation both in Malaysia and overseas, as an inspiring educational leader. Perfectly harnessing the highest quality of academic personnel and an exceptional portfolio of local and international programmes reflective of a global educational powerhouse.

Connected to Sunway Pyramid, these trendy hotels are convenient places for visiting families and friends to stay.

SUNWAY MONASH RESIDENCE
A hub for students to experience an independent lifestyle with premium facilities and service, all within a 3-minute walk away from Monash University Malaysia.

SUN-U RESIDENCE
The safe accommodation of choice to maintain an active and healthy lifestyle, that is a 3-minute walk away from Sunway University / Sunway College and 7 minutes from Monash University Malaysia.

SUN-U APARTMENT
A short 3-minute walk from the Sunway University / Sunway College campus and 10 minutes from Monash University Malaysia, boasting 24-hour security surveillance and patrol.