SUNWAY COLLEGE

A Brighter Future

SUNWAY FOUNDATION PROGRAMME

Foundation in Science and Technology (FIST)

STUDENT GUIDE 2025

MESSAGE FROM THE DIRECTOR

Welcome to the Sunway Foundation Programme at Sunway College. This programme believes in holistic education. This means that, coupled with academic knowledge you will be exposed to experiential learning as an integral part of your well-rounded education. We are committed to moulding and shaping students who have a balanced world view and an understanding of social issues and world affairs outside of just text books. Our emphasis is not confined to you doing well in examinations and moving on to tertiary studies but in developing your love for lifelong learning, your confidence in your own ability and finding your own talents. Enjoy this journey where you chart your own success, built on solid foundation. Good luck!

Suzana Ahmad Ramli
Director of Programme
Sunway Foundation Programme

FOUNDATION IN SCIENCE AND TECHNOLOGY

An academic bridge for students to transition effectively into tertiary level studies.

- **Developing Learning Strategies**
- **Developing Technical & Soft Skills**
- **Setting Personal & Academic Goals**
- **Finding Individual Talents**
- **Becoming Confident Learners and Leaders**
- **Honing Communication Skills**
- **Engaging in Extra-Curricular Activities**
- **Involvement in the Community**

ENTRY REQUIREMENTS

Passed SPM, O-Level or equivalent from a Science stream background, with minimum five (5) credits including Mathematics.

DURATION

1 year

INTAKE	COMPLETION
January 2025	January 2026
April 2025	April 2026
August 2025	August 2026

PROGRAMME STRUCTURE

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

CHOICE OF UNITS

A student is required to pass 50 credit hours which is equivalent to thirteen (13) units in order to complete FIST successfully.This is inclusive of four (4) Core Units, three (3) Enrichment Units and six (6) Academic Elective Units which are COMPULSORY. **Core and Enrichment Units for every semester are fixed by the programme. Academic electives for every semesters are subject to change. Students will be advised during subject registration.**

SEMESTER 1 (5 UNITS)

CORE UNITS

- **FSTM3044** Statistics for Scientists
- **FSTM3014** ICT Application Skills

ENRICHMENT UNITS

- **FSTE3012** Critical Thinking Skills

ACADEMIC ELECTIVES (Choose 2 Units)

- **FSTM3054** Basic Computer Concept
- **FSTM3144** Introduction to Biology (Lab)
- **FSTM3114** Basic Chemistry (Lab)
- **FSTM3094** Principles of Mechanical Science (Lab)

SEMESTER 2 (4 UNITS)

CORE UNITS

- **FSTM3024** English Language for Scientists

ENRICHMENT UNITS

- **FSTE3032** Scientific Revolutions

ACADEMIC ELECTIVE (Choose 2 Units)

- **FSTM3074** Mathematics for Scientists*
- **FSTM3124** Principles of Chemistry (Lab)**
- **FSTM3095** Introduction to Renewable Energy
- **FSTM3064** Introduction to Programming
- **FSTM3164** Principles of Cell Biology (Lab)**

SEMESTER 3 (4 UNITS)

CORE UNITS

- **FSTM3034** Academic Writing

ENRICHMENT UNIT

- **FSTE3022** Science and Ethics

ACADEMIC ELECTIVE (Choose 2 Units)

- **FSTM3084** Technical Mathematics
- **FSTM3074** Mathematics For Scientists*
- **FSTM3104** Principles of Electrical Science (Lab)**
- **FSTM3174** Introduction to Food Science (Lab)
- **FSTM3042** Introduction to Psychology
- **FSTM3154** Principles of Human Biology (Lab)**

* This subject is highly recommended for all stream of studies.

** Completion of prerequisite is needed before pursuing this unit. Please consult programme advisors.

PROGRAMME INFORMATION

STUDENT SUPPORT SYSTEM

We have special programme advisors who provide academic guidance and support.

- Programme mentors
- Peer Support
- We Care

ATTENDANCE POLICY

- 80% attendance is expected for all lessons.
- Parental confirmation and/or medical certificate is necessary for any absence. Other reasons are based on acceptance by the Director of Programme.

ASSESSMENT AND EXAMINATION

- Evaluation is based on 50% coursework (quizzes, projects, investigations, assignments and presentations) and 50% examination at the end of each unit.
- The final transcript will show a combined mark and grade for all units. Successful students will be awardedthe Certificate of Completion and official transcript.

GRADING SYSTEM

Students will be graded based on CGPA system. Please refer to the Grading Chart below:

ASSESSMENT AND EVALUATION POLICY

- All progress reviews and examinations are set by academic staff to assess the student's understanding of a particular unit.
- Examination papers are moderated at random by university faculty members to ensure that necessary standards and learning outcomes are achieved by the students.
- The coursework component allows students to monitor, improve and set personal goals.
- The examinations evaluate the final learning objectives and the standards required for the student to progress to tertiary studies.
- Students are responsible for complying with the assessment requirements of individual units according to the unit outline provided.
- Stipulated dates for submission of assignments are to be followed. Disciplinary action may be taken if students fail to submit their assignments on time.
- In the event a student misses an examination/assessment with a valid and acceptable reason (eg: hospitalisation) the student will write the paper at the earliest possible date with permission from the Director of Programme.
- Progress Report will be sent to parents every semester.

MARKS (%)	GRADE	GRADE POINT	DESCRIPTION
80 - 100	A+	4.00	DISTINCTION
75 - 79.99	A	3.70	
70 - 74.99	B+	3.30	CREDIT
65 - 69.99	B	3.00	
60 - 64.99	B-	2.70	
55 - 59.99	C+	2.30	PASS
50 - 54.99	C	2.00	
0 - 49.99	F	0	FAIL

SUCCESSFUL COMPLETION OF THE PROGRAMME

- A student is required to pass 50 credit hours which is equivalent to thirteen (13) units in order to complete FIST successfully. This is inclusive of four (4) Core Units, three (3) Enrichment Units and six (6) Academic Elective Units.

UNIVERSITY APPLICATION

- Students must attain the entry requirements of the undergraduate programmes they wish to pursue at their university of choice.

FEE SETTLEMENT AND REFUND

- The Management reserves the right to exclude students from accessing the campus network, attending classes and using campus facilities until the fees are settled. Any assessment or examination result(s), and academic transcripts shall be withheld if payment remains outstanding, and the students concerned will not be able to enrol in the subsequent semester or to graduate. Enrolment and General fees are NOT refundable. The proportion of tuition fee refund, upon official withdrawal, is shown below:
  - 75% refund (by the 5th working day from the commencement of semester)
  - 50% refund (by the 6th-8th working day from the commencement of semester)
  - No refund (after the 8th working day from the commencement of semester)

UNIT SYNOPSIS

CORE UNITS

English Language for Scientist (FSTM 3024)

Science is logic, and logic is Science. Here, students will be exposed to various topics under the Sun, be it about dreams, space, atoms, right up to superstition, music, and personalities. They will be looking at the logic and reason behind them, and along the way, learn to improve their reading, writing, speaking, and as well as listening skills. The various topics will keep the students engaged in the learning of improving their language, which is important for young scientists to deduce and communicate with their fellow scientists.

Statistics for Scientists (FSTM3044)

This subject covers topic from three basic areas of statistics namely descriptive statistics, probability and statistical inference, and forecasting technique. Descriptive statistics covers organising, presenting and summarising data. Probability includes the use of the probability laws and conditional probability of events, while probability distributions covers the study of discrete and continuous random variables. Statistical inferences emphasise on estimation, hypothesis testing of one sample. In addition, students are introduced to the widely used SPSS software in research where they learn how to present the data collected, and their analyses.

ICT Application Skills (FSTM3014)

The objective of this subject is to create understanding of the main functions of the software tools for word processing, spreadsheet and presentation, to accommodate to the current business needs. This subject also equips students with the basic understanding of computer skills, internet and its safety, and knowledge to solve common technological issues in order to tackle the challenges in the ever-growing digital era.

Academic Writing (FSTM 3034)

This subject teaches how to conduct a research and to write the academic paper that comes with the research. It exposes students to many topics and allows them to be creative when conducting an actual research. Students also learn how to cite and reference, avoiding plagiarism in their work. On the overall, this is a set of knowledge that is crucial for any young scientist to have.

ENRICHMENT UNITS

Scientific Revolutions (FSTE3032)

This unit helps students gain a critical understanding of key arguments and issues in the philosophy of science, combining historical awareness of influential writings and perspectives from the late 19th century onwards. It imparts factual information and encourages students to develop their own critical perspective on the issues.

Science and Ethics (FSTE3022)

This unit addresses some of the moral concerns and attempts to enrich the understanding of ethics and social responsibility in science, technology, and medicine. It links up to present standards and practices and offers multi-faceted training and experiences, which would be indispensable to the young scientist throughout his/her career.

Critical Thinking Skills (FSTE3012)

This unit explores issues on the nature and techniques of critical thought, which is viewed as a way to establish a reliable basis for our claims, beliefs and attitudes about the world. The unit explores multiple perspectives, placing established facts, theories, and practices in tension with alternatives to see how things could be otherwise. Various views on the production of knowledge and thought processing in social context are also taken into consideration. Special attention is given to translating what is learned into strategies, materials, and interventions for use in students' own educational and professional settings.

ACADEMIC ELECTIVES

Mathematics for Scientists (FSTM3074)

The unit provides a further development of mathematical skills including the use of applications of mathematics in the context of the ability to analyse problems logically, recognising when and how a situation may be represented mathematically. It covers solving of polynomial, logarithmic and exponential equations which relates to daily life situations. Students are also required to solve problems relating to limits and continuity, matrices and vectors.

Principles of Mechanical Science (FSTM3094)

This unit emphasises on applications and the broad field of mechanical science will be narrowed to the essential concepts that underlie all technical knowledge. Mechanical science is basically concerned with the position (statics) and motion (dynamics) of matters. Statics represents the study of physics associated with bodies at rest whereas dynamics is concerned with a description of motion and its causes.

Principles of Electrical Science (FSTM3104)

Electrical science is basically concerned with the importance of energy and properties and applications of waves in the electromagnetic spectrum, ionising radiation and the solar system. It will help students to adopt a method of systematic thinking and the theories necessary to allow them to understand how things we rely on work. Students will also be able to strengthen their qualitative reasoning and problem-solving skills that are valuable in areas beyond mechanical science.

Technical Mathematics (FSTM3084)

This unit covers topics such as circular measurements, measurements of surface area and volume of various solids, triangular measurements and elementary calculus techniques which includes differentiation, differential equations and integration. These topics are applicable to practical engineering problems. It also enables students to gain confidence in the various mathematical techniques used in the science field.

Basic Computer Concept (FSTM3054)

This unit equips students with the fundamental knowledge about computer systems and IT. It also provides exposure on the latest technology development in various industries and the contribution of technology in day-to-day life. It aims to stimulate the interest in the computing discipline. It focuses on topics such as information systems, computer hardware and software, designing and building of database, networking and human computer interaction. The technical concepts learnt will be then applied practically. By doing so, it will enable the appreciation of contents in higher level of academic advancement.

Introduction to Programming (FSTM3064)

With the rise of technology, new applications are utilised to automate our jobs and find solutions to everyday problems. Therefore, coding knowledge has become one of the most valuable skills in the 21st century. The syllabus focuses on the fundamentals of Java programming which equips students with the understanding on programming concepts. From this, students will be able to build basic programmes and explore innovation from a technological perspective. The unit is taught in a hands-on manner and is essential for students intending to pursue any degree in the field of Computing.

Introduction to Renewable Energy (FSTM3095)

This is an introductory unit which provides a brief overview of renewable energy and its significance in sustaining a better environment. The unit aims to communicate a theoretical basis of understanding of the different types of renewable energy and its nature and its conversion into useful energy services. With this context, students will learn and comprehend contemporary issues pertaining to renewable energy, environment and society from global perspectives.

Basic Chemistry (FSTM3114)

In the chemical industry, science employees need to have knowledge of atomic structures, elements in the periodic table and chemical compounds and need to be able to use and apply this knowledge to chemical reactions involved in the manufacture of useful products. Knowledge of acids, alkalis and pH is essential for people working in soil science, environmental science and cosmetic science. This unit gives the students an understanding of concepts and practical techniques in basic chemistry especially on the atomic structure, the periodic table, substances and chemical reactions.

Principles of Chemistry (FSTM3124)

This unit is an emphasis on the topics and areas necessary for an understanding of Physical Sciences, Biological Sciences and Food Chemistry relevant to the chemistry of living systems. Areas covered include: introductory organic chemistry; inorganic chemistry; physical chemistry; and a laboratory programme designed to extend aspects of theory and chemical laboratory techniques. This unit provides the students deep understanding of chemical principles and a laboratory programme designed to illustrate aspects of theory as well as appropriate chemical laboratory skills.

Introduction to Biology (FSTM3144)

Students will understand and explore the basic structures, functions, and interactions of living organisms as well as explore the concept of the cell theory, metabolism, genetics, energetics, evolution and ecology.

Principles of Cell Biology (FSTM3164)

Cell biology is the study of the structure and function of prokaryotic and eukaryotic cells. In this unit, students will examine many different areas of cellular biology including: the synthesis and function of macromolecules such as DNA, RNA, and proteins; control of gene expression; membrane and organelle structure and function; bioenergetics; and cellular communication.

Introduction to Psychology (FSTE3042)

This introductory unit will provide students with an overview of the current body of knowledge and methods of the science of psychology. This unit aims to introduce students to common themes, concepts and theories in psychology that have potential interest and relevance to science and technology.

Introduction to Food Science (FSTE3125)

Intending to diversify students' tertiary study options, this unit covers the fundamental concepts of food science, human nutrition, food safety and the industry. Through this unit, students get to learn the properties and applications of different food components; the requirement of different food components to human body, the roles of different processes involved in food processing, packaging, storage and production; as well as the importance of safe, sustainable practices when developing and using food-related technologies.

Principles of Human Biology (FSTM3154)

Principles of Human Biology explores the concepts of genes, inheritance and the coordination of different body systems. It also provides an overview of the different types of diseases that affect human health and the body's immune system in overcoming infections. This subject provides a good foundation in handling advanced studies in these areas.

VIsit to Jingxing Holdings (M) paper manufacturing factory for the Engineering and renewable energy subjects

Study visit to an animal aquarium

Visit to Sua Betong biogas powerplant to learn about renewable energy

Nature walk

BioSciences Lab bootcamp

AVAILABLE PATHWAYS:
UNDERGRADUATE PROGRAMMES AT SUNWAY UNIVERSITY

FOUNDATION IN SCIENCE AND TECHNOLOGY (FIST)

- Bachelor of Science (Honours) in Computer Science
- Bachelor of Information Systems (Honours) (Data Analytics)
- Bachelor of Science (Honours) in Information Technology
- BSc (Hons) Information Technology (Computer Networking and Security)
- Bachelor of Software Engineering (Hons)
- Bachelor of Science (Honours) Psychology
- Bachelor of Science (Honours) Biomedicine
- BSc (Hons) Medical Biotechnology

CGPA 2.3

- Doctor of Medicine

CGPA 3.0

- Bachelor of Electronic and Electrical Engineering with Honours
- Bachelor of Chemical Engineering with Honours
- Bachelor of Civil Engineering with Honours
- Bachelor of Mechatronic Engineering (Robotics) with Honours
- Bachelor of Mechanical Engineering with Honours
- Bachelor of Nursing (Honours)

CGPA 2.5

For further details on entry requirements, refer to 'Sunway Undergraduate Degree Entry Requirements' on page 14 & 15.

GRADUATION DAY

STUDY ABROAD OPPORTUNITIES

Some of the degree programmes offered in Sunway have study abroad arrangements:
3-week summer programme, 1 semester abroad, 1+2, 2+1 options are available to selected overseas universities for selected degree programmes. Terms and conditions apply.

OUR GRADUATES ALSO PURSUE:

- Bachelor of Food Science (Honours)
- Bachelor of Food Science and Technology
- Bachelor of Science (Hons) in Pharmaceutical Chemistry
- Bachelor of Robotic Design and Development (Honours)
- Bachelor of Computer Science in Data Science
- BSc (Hons) Economics
- Bachelor of Arts and Social Sciences
- Bachelor of Mass Communication (Hons)

ALUMNI

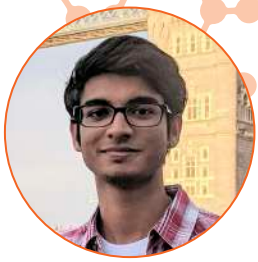
GURPREET KAUR

Secondary School
SMK Bandar Puchong Jaya (A)

Graduated with
First Class Honours, BSc (Hons) Medical Biotechnology, Sunway University

Achievements and Contributions
- Sunway Student Volunteer and Sunway Student Ambassador
- Research assistant in Department of Biological Science

KAARTIIK VIJAYAN



Secondary School
SMK Vivekananda

Graduated with
First Class Honours, BSc (Hons) in Computer Science, Sunway University

Achievements and Contributions
- Jeffrey Cheah Continuing Scholarship Recipient
- Founder of ScreenCrash Clothing & Apparel

RAENUGA INDRAN

Secondary School
SMK (P) Methodist, Kuala Lumpur

Graduated with
BSc (Hons) Psychology, Sunway University

Achievements and Contributions
- Jeffrey Cheah Foundation Scholarship (Pre-University & Degree)
- Sunway Extracurricular Achiever Award
- President of Sunway Student Ambassadors
- Event Organising Chairperson for Sunway's Got Talent Season 3

KOH MEI QUEN

Secondary School
SMJK Yu Hua, Kajang

Graduated with
Bachelor of Software Engineering (Hons), Sunway University

Achievements and Contributions
- Combat Robot Malaysia 2019 - Top 14
- #codeathon 2017: Technopreneurship for Gender Equality
- Lancaster Summer Programme 2018 Participant
- Peer Assisted Learning Programme (PALP) March 2018 – March 2019
- Sunway University Ensemble 2016 -2017
- Certifications - Certified Professional in Requirements Engineering (CPRE) Foundations Level 2019

AJNISH GHIMIRE

Secondary School
V.S. Niketan Higher Secondary School, Kathmandu, Central Region, Nepal

Graduated with
BSc (Hons) Medical Biotechnology, Sunway University

Achievements and Contributions
- Graduated with BSc (Hons) Medical Biotechnology - 2 degrees, 1 from Sunway University and 1 from Lancaster University, UK. Looking forward to a postgraduate research degree (Ph.D.)
- Discovered novel anti-tumor molecules - https://pubmed.ncbi.nlm.nih.gov/32630812/
- Secretariat of Solidarity International (INGO), based in Nepal
- Certified Taekwondo 2nd DAN, South Korea

SUNWAY FOUNDATION PROGRAMME EXTERNAL SPONSORSHIP

The Sunway Foundation Programme is a popular choice among students from external sponsorship bodies, such as JPA, Peneraju, Petronas, Maybank and JCorp. Upon completion of the Sunway Foundation Programme, they can pursue their degree in Sunway University or other universities of their choice.

AINA DIANA BINTI YUSOF

Secondary school: MRSM Langkawi

Sponsorship from Petronas
Programme: Bachelor of Science (Hons) in Accounting and Finance, Sunway University

WONG KAM THOR

Secondary school: Penang Free School

Sponsorship from Petronas
Programme: Bachelor of Science (Hons) in Accounting and Finance, Sunway University

CINDY CHIENG LAY TING

Secondary school: SMK Bandar Kuching No. 1

Sponsorship from Jabatan Perkhidmatan Awam (JPA)
Programme: Bachelor of Science (Hons) in Accounting and Finance, Sunway University

CHAN HUI SHAN

Secondary school: SMJK Chung Hwa Wei Sin, Terengganu

Sponsorship from Petronas
Programme: Bachelor of Science (Hons) in Accounting and Finance, Sunway University

AHALYA SUKUMARAN

Secondary school: SMK Pusat Bandar Puchong 1

Sponsorship from Maybank
Programme: Bachelor of Science (Hons) in Actuarial Studies, Sunway University

STEWART TING SHI YU

Secondary school: SMK Bintulu

Sponsorship from Petronas
Programme: Bachelor of Software Engineering (Hons), Sunway University

NAVIN RAO RAMACHANDRAN

Secondary school: Victoria Institution

Sponsorship from Maybank
Programme: Bachelor of Science (Hons) in Actuarial Studies, Sunway University & B. Education, UNITAR

RABIATUL AISYAH BINTI HAZNI

Secondary school: Sekolah Tun Fatimah, Johor Bahru

Sponsorship from Johor Corporation (JCorp)
Programme: Bachelor of Science (Hons) in Accounting and Finance, Sunway University

WAN NUR NAADIAH BINTI WAN SUKRI

Secondary school: SMK Seri Nilam, Kuala Terengganu

Sponsorship from Petronas
Programme: Bachelor of Science (Hons) in Accounting and Finance, Sunway University

NAZATUL SYASYA BINTI AZIZUL

Secondary school: Akademi Lembah Ilmu

Sponsorship from MARA
Programme: Bachelor of Science (Hons) Financial Economics, Sunway University

SARA IMAN BINTI AHMAD FARIZ FAKARDIN

Secondary school: SMK Seri Hartamas

Sponsorship from MARA
Programme: Bachelor of Science (Hons) Financial Economics, Sunway University

AISYAH AMINAH SAFIYAH BINTI SABARIN

Secondary school: MRSM Tun Ghafar Baba, Melaka

Sponsorship from MARA
Programme: Bachelor of Science (Hons) Financial Economics

MUHAMMAD ANIQ ARSHAD BIN MOHD NOR

Secondary school: Sekolah Menengah Sains Kuala Terengganu

Sponsorship from Petronas
Programme: Bachelor of Software Engineering (Hons), Sunway University

STUDENT ACTIVITIES

Check out our exciting activities beyond the classroom!

@SFP.Sunway

Sunway Foundation Programme - SFP

IMU Science Discovery Challenge

Sunway Lagoon Theme Park Trip

Spirit Game

3D Periodic Table Model Presentation

Science Exhibition

Charity Carnival

BioSciences immersion workshop

Movie Night

SFP STUDENTS COMMITTEE (SFPSC)

The SFPSC is a community that nurtures the dynamic qualities of a student leader through unity. It is also a medium for students to enhance their communication, leadership, and events management skills through various student activities, project planning, and events organised.

Follow our Instagram page for more updates.

GAMES NIGHT

TALENT TIME

VALORANT TOURNAMENT

MOVIE NIGHT

SPORTS CARNIVAL

ENTRY REQUIREMENTS INTO SUNWAY UNDERGRADUATE PROGRAMMES (2025)

The Entry Requirements stated are valid for 2025 intakes and serve as a reference for students entering 2026 intakes. Please check with education advisors at the Admissions Office for the latest entry requirements.

PROGRAMMES	FIST GRADES	SPECIFIC REQUIREMENTS
MEDICINE, NURSING		
Doctor of Medicine	CGPA 3.00	Attained 5Bs in Biology, Chemistry, Physics, Mathematics / Additional Mathematics and another subject at SPM, O-Level or equivalent. Must have taken these subjects: FSTM3144, FSTM3114, FSTM3074, FSTM3124, FSTM3164 AND Pass an interview and a medical check-up
Bachelor of Nursing (Honours)	CGPA 2.50	Attained 5 Credits, including Bahasa Melayu, 1 Mathematics, and 1 Science at SPM, O-Level or equivalent. Recommended subjects are: FSTM3144, FSTM3114, FSTM3074, FSTM3124, FSTM3164 AND Pass an interview and a medical check-up
BIOSCIENCES		
BSc (Hons) Medical Biotechnology	CGPA 2.30	Minimum 3 credits in Mathematics, 1 Science subject and 1 more subject at SPM or Pre-University or its equivalent.
Bachelor of Science (Honours) Biomedicine		Pass in 2 of the following subjects: Biology, Physics/Mathematics, Chemistry. Recommended subjects are: FSTM3144, FSTM3114, FSTM3074, FSTM3124, FSTM3164
PSYCHOLOGY		
BSc (Hons) Psychology	CGPA 2.30	Credit in Mathematics and Science subjects at SPM, O-Level or equivalent.
COMPUTING		
BSc (Hons) in Computer Science	CGPA 2.30	Credit in Additional Mathematics at SPM or its equivalent. Students without a credit in Additional Mathematics at SPM, O-Level or equivalent must obtain a credit in 3 FIST Mathematics units (FSTM 3044, FSTM 3074, and FSTM 3084)
Bachelor of Software Engineering (Hons)		
Bachelor of Information Systems (Honours) (Data Analytics)		Credit in Mathematics at SPM or its equivalent.
Bachelor of Science (Honours) in Information Technology		
BSc (Hons) Information Technology (Computer Networking and Security)		
ENGINEERING		
Bachelor of Electronic and Electrical Engineering with Honours	CGPA 2.50	Pass Mathematics and 1 Science subject (Physics, Chemistry, or Biology). Physics will be given preference. Recommended subjects are: FSTM 3054, FSTM 3094, FSTM 3074, FSTM 3104, FSTM 3084
Bachelor of Chemical Engineering with Honours		Pass Mathematics and 1 Science subject (Physics, Chemistry, or Biology). Chemistry will be given preference. Recommended subjects are: FSTM 3114, FSTM 3074, FSTM 3124, FSTM 3084
Bachelor of Mechanical Engineering with Honours		Pass Mathematics and 1 Science subject (Physics, Chemistry, or Biology). Physics will be given preference. Recommended subjects are: FSTM 3054, FSTM 3094, FSTM 3074, FSTM 3084, FSTM 3095
Bachelor of Civil Engineering with Honours		Pass Mathematics and 1 Science subject (Physics, Chemistry, or Biology). Physics will be given preference. Recommended subjects are: FSTM 3054, FSTM 3094, FSTM 3074, FSTM 3084, FSTM 3095
Bachelor of Mechatronic Engineering (Robotics) with Honours		Pass Mathematics and 1 Science subject (Physics, Chemistry, or Biology). Physics will be given preference. Recommended subjects are: FSTM 3054, FSTM 3094, FSTM 3074, FSTM 3084, FSTM 3095

FIST graduates can also pursue non-Science degrees as below.

PROGRAMMES	FIST GRADES	SPECIFIC REQUIREMENTS
PROFESSIONAL ACCOUNTANCY		
ACCA	CGPA 2.80	Credit in English and Mathematics at **SPM/O-Level**.
ICAEW	CGPA 3.20	Credit in English and Mathematics at **SPM/O-Level**.
ACTUARIAL, STATISTICS		
Bachelor of Science (Hons) in Actuarial Studies	CGPA 2.00	Credit in Mathematics at SPM, O-Level or equivalent.
Bachelor of Science (Honours) in Statistical Data Modelling		
HOSPITALITY, CULINARY, EVENTS		
Bachelor of Science (Hons) in Culinary Management	CGPA 2.00	-
Bachelor of Science (Honours) in Conventions and Events Management		
Bachelor of Science (Hons) in International Hospitality Management		
ACCOUNTING, BUSINESS, FINANCE		
Bachelor of Science (Hons) in Accounting and Finance	CGPA 2.50	Credit in Mathematics at SPM, O-Level or equivalent.
Bachelor (Honours) in Finance		
Bachelor of Science (Honours) Financial Analysis		
Bachelor of Science (Honours) Financial Economics		
Bachelor of Business Analytics (Honours)	CGPA 2.00	
Bachelor of Science (Hons) Business Management		Pass in Mathematics at SPM, O-Level or Pre-University or its equivalent.
BSc (Hons) Business Studies		
Bachelor of Arts (Honours) Entrepreneurship		
Bachelor of Science (Honours) Global Supply Chain Management		
Bachelor of Science (Honours) in International Business		
Bachelor of Science (Honours) Marketing		
Victoria University Bachelor of Business (Majors: Accounting, Banking & Finance, Financial Risk Management, International Trade, Management & Innovation, Marketing, Supply Chain and Logistics Management)		-
COMMUNICATION, CREATIVE ARTS		
Bachelor of Arts (Honours) in Advertising and Branding	CGPA 2.00	Credit in English at SPM, O-Level or equivalent or Obtain a credit in the 2 FIST English units (FSTM 3024, FSTM 3034)
BA (Hons) in Communication		
Bachelor of Arts (Honours) Digital Film Production		-
Bachelor of Arts (Honours) Contemporary Music (Audio Technology)		All candidates must pass an audition.*
Bachelor of Arts (Honours) Music Performance		
Bachelor of Arts (Honours) in Theatre Production		Pass an audition and an interview.*
Bachelor of Arts (Honours) Design Communication		All candidates must pass a portfolio review.*
Bachelor of Arts (Honours) in Interior Architecture		

*Please check with education advisors at the Admissions Office for details of the audition / portfolio / interview requirements.

QUALITY POLICY

Sunway College (KL) is committed to providing quality education through efficient and effective practices in compliance with statutory and regulatory requirements including the requirements of our external partners.

We are committed to continual improvement of our Quality Management System by focusing on the competency of our academic and administration staff; continually reviewing our key processes, and responding to our stakeholders in a timely manner.

QUALITY OBJECTIVES

1. Promote and establish a culture of quality at all levels of the college community.
2. Continuously improve our Quality Management System in compliance with statutory and regulatory requirements including the requirements of external partners.
3. Enhance customer satisfaction by providing a learning environment conducive for quality teaching and learning.

SUNWAY COLLEGE DK265-01 (W)
Owned and governed by the Jeffrey Cheah Foundation Registration no: 200701042913 (800946-T)

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SunwayCollegeKL

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Owned and governed by the

Jeffrey Cheah Foundation

Nurturing the Seeds of Wisdom

This brochure is valid for our 2025 intakes.
All information is correct at the time of printing (February 2025).

JPT/BPP(K)(R2/0011/3/0116/FA4687)08/29