

FACULTY OF ENGINEERING, TECHNOLOGY & BUILT ENVIRONMENT

- BEng (HONS) CHEMICAL ENGINEERING
- BEng (HONS) COMMUNICATION & ELECTRONIC ENGINEERING
- BEng (HONS) CIVIL ENGINEERING
- BEng (HONS) ELECTRICAL & ELECTRONIC ENGINEERING
- BEng (HONS) MECHANICAL ENGINEERING
- BEng (HONS) MECHATRONIC ENGINEERING
- BEng (HONS) PETROLEUM ENGINEERING
- DIP. ELECTRICAL & ELECTRONIC ENGINEERING
- DIP. ENGINEERING (MATERIALS SCIENCE)

SCHOOL OF ARCHITECTURE & BUILT ENVIRONMENT

- BA (HONS) INTERIOR ARCHITECTURE
- BSc (HONS) ARCHITECTURE
- DIP. ARCHITECTURAL STUDIES
- DIP. INTERIOR ARCHITECTURE

ALSO AVAILABLE

- MSc ELECTRICAL ENGINEERING



www.ucsiuniversity.edu.my





FACULTY OF **ENGINEERING, TECHNOLOGY & BUILT ENVIRONMENT**

The Faculty of Engineering Technology and Built Environment (FETBE) came into existence in 2007 as a result of a synergetic merger between the School of Engineering and the School of Architecture and Built Environment, which were established in 1992 and 2005, respectively.

Supported by decades of accumulated experience in the education and industrial sectors, the faculty has evolved rapidly to become one of the most prestigious and innovative providers of engineering and architectural education, not only in Malaysia but throughout the region. Notably, the faculty offers a wide range of undergraduate and postgraduate programmes that have gained national and international recognition.

One of the many attractive features that distinguishes the FOETBE at UCSI University from conventional programmes is the exceptional learning and teaching environment it provides – all supported by its very own custom-built campus that includes state-of-the-art educational and recreational facilities.

Its philosophy envisages the creation of an entirely new system of engineering and architectural education that supports diversity and integration between programmes. To exemplify such diversity, the faculty offers a comprehensive range of undergraduate degree and diploma programmes in the following engineering and Built Environment areas: Architecture, Interior Architecture, Petroleum, Civil Engineering, Chemical Engineering, Electrical and Electronic Engineering, Communication and Electronic Engineering, Mechatronic Engineering, and Mechanical Engineering. On the other hand, in an effort to create a culture of innovation, the faculty also provides its scholars with key integrations for major-minor specialisations, postgraduate studies and research.

Attainment of Professional Engineer Status

Professional Engineering
Continuation of Professional Development

Professional Status Registration
Reside in Malaysia for more than 1 year

Professional Examination
Pass the Professional Assessment Examination (PAE) of BEM; or
Be elected as a Corporate Member of the Institution of Engineers Malaysia (IEM)

- Training**
Three years of practical experience
- in the planning, design, execution or management of such works as comprised within the profession of engineering;
 - in engineering research; or
 - in the teaching of a course leading to a qualification in engineering research; or in the teaching of a course leading to a qualification approved by the BEM

Bachelor of Engineering
4 - year Engineering Programme
(completed in UCSI University)

Foundation in Science / Diploma in Electrical and Electronic Engineering
A-levels / SAM / CPU / IB / UEC/
STPM and other recognised Foundation / Diploma qualifications

SPM / O-Levels or Equivalent

PROFESSIONAL PATHWAY

ACADEMIC ROADMAP

MINIMUM ENTRY REQUIREMENTS

Diploma in Programmes

SPM/ 'O' Levels	3 credits inclusive of B.M., Maths and Science
UEC	3 credits inclusive of Maths and Science
Certificate(s) from a Polytechnic Institution	Pass (Minimum CGPA 2.0)
Other Year 11 Equivalent	Average 50% with pass in Maths & Physics

Recognition

Upon successful completion of the Diploma programme, students will gain:

- (a) Direct entry into Year 2 of BEng (Hons) Electrical & Electronic Engineering
- (b) Direct entry into Year 2 of BEng (Hons) Communication & Electronic Engineering.
- (c) Direct entry into Year 2 of BEng (Hons) Mechatronic Engineering
- (d) Direct entry into Year 2 of BEng (Hons) Mechanical Engineering and Petroleum Engineering
- (e) Advanced Standing into BEng (Hons) Chemical Engineering and Civil Engineering

Bachelor Programmes

'A' Levels (Science stream)	2 D's (inclusive of Mathematics, and Physics / Chemistry)*
STPM	2 principal passes (inclusive of Maths and Physics / Chemistry)*
UEC (Science stream)	5 Credits (inclusive of Maths, and Physics / Chemistry)*
Other Year 12 Equivalent	Average 65% and min. 65% in Maths and Physics / Chemistry*

* Chemistry is required for Chemical Engineering, Physics is required for all other programmes

English Requirements

SPM / UEC English	A+, A or A-
MUET	Band 5
TOEFL	213 (Computer), 550 (Written) or 79-80 (Internet)
IELTS	Band 5.5
UCSI English Foundation or equivalent	Pass

Note : If English Language requirements are not fulfilled, additional English module(s) must be taken at UCSI University.

INTAKES JANUARY, MAY & SEPTEMBER

BEng (Hons) CHEMICAL ENGINEERING



Chemical engineers are known as the universal engineers of all time and are well-versed in converting raw materials to more practical forms by applying both physical sciences and life sciences. Fusing chemistry, physics, biology, microbiology and biochemistry with mathematics, this branch of engineering is versatile and allows room for specialisation in many areas, such as nanotechnology, refining, bio-diesel production and petrochemical production, to name a few.

The Chemical Engineering degree programme offered at UCSI University is designed to equip students with fundamental engineering and scientific knowledge in the field of chemical engineering.

The programme focuses on core technical operations in the chemical sector such as material handling, fluid flows, material and energy balances, mass and heat transfers, thermodynamics, chemical reaction designs, separation processes, environmental engineering and petroleum refining processes, to name a few. Apart from being solidly grounded in technical applications, the students are also furnished with management skills during the course of their study, in line with current demands of the industry.

In this programme, students are also required to undergo industrial training under UCSI University's Co-operative Placement (Co-op) Programme at the end of their 2nd and 3rd academic years. The objective of the Co-op programme is to provide an avenue for students to gain exposure to professional practices in an actual working environment in addition to developing the necessary soft skills pertinent to their individual development. Student learning is also enhanced by industry visits, talks by prominent guest speakers from professional bodies, laboratory works as well as plant design projects, among other hands-on activities.

CAREER OPPORTUNITIES

Today, the field of chemical engineering is a diverse one, encompassing a wide range of areas - from biotechnology and nanotechnology to mineral processing, among others.

Graduates are able to find career opportunities in the following roles:

- Process Engineer
- Environmental Engineer
- Production Engineer
- Service Engineer
- Health and Safety Engineer
- Material Engineer
- Lab Engineer
- Process Control Engineer
- Product Engineer
- Design Engineer
- Quality Engineer
- Risk Engineer
- Project Engineer
- Cost Engineer
- Instrumentation Engineer

COURSES OFFERED

Year 1

- Foundation of Chemistry I
- Calculus and Analytical Geometry II
- Technical Communication
- Elements of Material Sciences
- Foundation of Chemistry 2
- Mathematical Methods for Engineers 1
- Physics for Scientists and Engineers 1

Year 2

- Mathematical Methods for Engineers 2
- Engineering Graphics and Design
- Electrical Principles
- Fluid Mechanics
- Industrial Chemistry
- Numerical and Computing Methods
- Mass Transfer
- Introduction to Material and Energy Balances
- Thermodynamics for Chemical Engineers
- Co-operative Placement 2

Year 3

- Chemical Process Simulation and Design
- Engineers in Society
- Process Dynamics and Controls
- Heat Transfer
- Separation Process Fundamentals
- Environmental Engineering and Abatement Processes
- Surface Chemistry and Catalysis
- Reaction Engineering and Design
- Process Instrumentation and Instrumental Analysis
- Corrosion

Year 4

- Engineering Management and Economics
- Final Year Project A
- Final Year Project B
- Plant and Safety Engineering
- Process Equipment Design
- Plant Design Project
- Petroleum Refining Engineering
- Chemical Process Design and Optimization
- Pilot Plant and Scale Up Methods (Elective)
- Fuels and Combustion (Elective)
- Polymer Technology (Elective)
- Natural Gas and Reservoir Technology (Elective)
- Petrochemical Industries (Elective)
- Co-operative Placement 4

General Courses (MPU) are compulsory for all students.

U1 – For Malaysian students :

1. Ethnic Relations
2. Islamic Civilisation & Asian Civilisation

– For Foreign students:

1. Malaysian Studies
2. Communication in Bahasa Melayu 3

U2 – University Life

U3 – Malaysian Experiential Tourism/ Malaysian Ethnic Food

U4 – Extra-curricular Learning Experience 1 to 3

All information is correct at the time of printing and UCSI University reserves the right to make amendments without prior notice.

COURSES OFFERED

Year 1

- Calculus & Analytical Geometry II
- Circuit Theory I *
- Digital Electronics I *
- Analogue Electronic I *
- Mathematical Methods for Engineers I
- Technical Communication
- Electromagnetic Theory I *
- Electronic Laboratory 1A
- Electronic Laboratory 1B

Year 2

- Advanced Circuit Theory & TL *
- Engineering Design *
- Mathematical Methods for Engineers II
- Electronic Manufacturing Industry *
- Engineering Softwares & Applications *
- Electrical Power *
- Computing for Engineers *
- Co-operative Placement 2
- Analogue Electronics II *
- Digital Electronics II *
- Electronic Laboratory 2A
- Electronic Laboratory 2B

Year 3

- Communication Circuits *
- Electromagnetic Theory II
- Communication Theory *
- Numerical Analysis
- Data Communication & Networks *
- Microprocessor Systems *
- Environmental Engineering and Abatement Processes*
- Optical Communication *
- Engineering & Management & Economics
- Engineers in Society
- Electronic Laboratory 3A
- Communication Laboratory 3B

Year 4

- Communication Systems *
- Communication Sub-System Design
- Microwave System Design
- Antennas & EMC
- Digital Signal processing *
- Digital Systems & HDLs *
- Final Year Project A
- Embedded Systems Design *
- Final Year Project B
- Co-operative Placement 4
- Electronic Laboratory 4A
- Communication Laboratory 4B

Elective :

- Electronic Circuit Design e*
- Introduction to Production and manufacturing
- VLSI Design
- Technopreneurship

General Courses (MPU) are compulsory for all students.

- U1 – For Malaysian students :
 1. Ethnic Relations
 2. Islamic Civilisation & Asian Civilisation
- For Foreign students:
 1. Malaysian Studies
 2. Communication in Bahasa Melayu 3

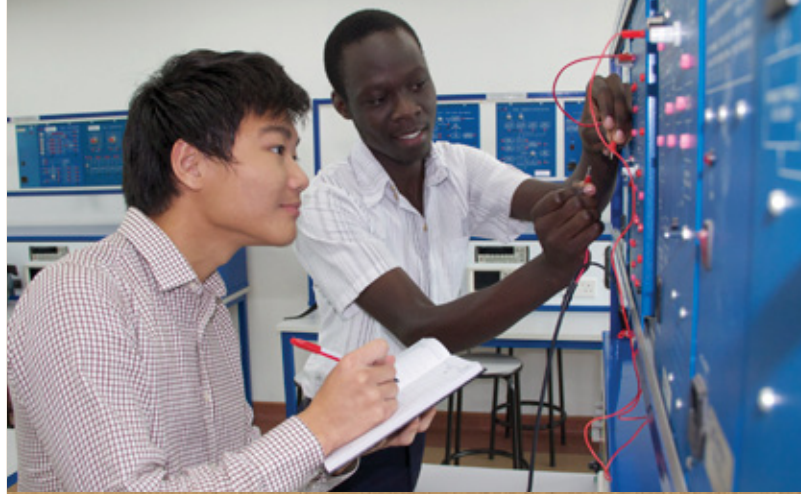
U2 – University Life

U3 – Malaysian Experiential Tourism/ Malaysian Ethnic Food

U4 – Extra-curricular Learning Experience 1 to 3

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BEng (Hons) COMMUNICATION & ELECTRONIC ENGINEERING



Communication Engineering is the branch of engineering that deals with communications technology development and operations, including telecommunications and computer networks, to name a few.

Modern society has become increasingly dependent on instantaneous communication of information in a world of integrated digital communication networks. Thus, this degree programme caters to society's demands for seamless transfer of information, through mobile phones, TVs, radios, the Internet or other media.

Communication has been identified as one of the major growth areas in the industry. Students will learn about operating principals and designing devices, ranging from mobile phones to wireless networks and satellite communication systems, among others. Notably, the programme covers a wide range of subjects, from electrical science and circuit design to computing, optical fibre systems, microwave circuits, communications and digital networks.

To nurture competitiveness among graduates, they are also required to undergo industrial training under UCSI University's Co-operative Training Placement Scheme at the end of the 2nd and 3rd academic years. This training allows students to learn and familiarise themselves with the real-life working environment. Apart from that, students also undertake a research and development project in their final year of study.

CAREER OPPORTUNITIES

Graduates are able to find career opportunities in the following roles:

- RF Design
- Device and System Design
- Fabrication & Data Transmission
- Micro Design
- Communication Design
- Power Plant Transmission
- Electronic Design
- R & D Engineer
- Project Engineer
- Manufacturing
- Antennae Design

BEng (Hons) CIVIL ENGINEERING



The Civil Engineering degree programme at UCSI University is designed to cater to today's modern world needs and respond to society's escalating demands for a better quality of life. This programme focuses on the development of theoretical concepts, practical engineering skills and teamwork, comprising a wide range of relevant subjects – including structural analysis and design, geotechnical study, hydrology and hydraulic, highway and traffic, water and sewer systems – that also emphasises on management skills and economics, at the same time.

The primary objective of the engineering programme at UCSI University is to develop creative and well-trained individuals who are able to communicate fluently and coherently, demonstrate awareness of financial and ethical constraints, use their engineering knowledge and skills to critically and creatively evaluate situations or projects, and solve engineering problems. The programme is suited for undergraduate students who combine intellectual talents with a creative, innovative and practical outlook – students who seek a wide variety of opportunities and challenges during their university course and later on in their careers as well as those who wish to further develop their skills to effect change and improve the environment on a local and global scale.

In this programme, students are also required to undergo industrial training under UCSI University's Co-operative Placement (Co-op) Programme at the end of their 2nd and 3rd academic years - to learn from industry leaders and familiarise themselves with the actual working environment. Towards the end of their course of study, students will undertake a one-semester capstone project to assess and gauge their understanding of their learning and the outcome of their formal education. They will also undertake a research and development project in their final year of study.

CAREER OPPORTUNITIES

Civil Engineers plan, design, construct and maintain buildings, airports, harbours, roads, railways, bridges, and tunnels among others. Thus, Civil Engineers play a very important role in shaping and controlling the environment (e.g. water and waste, floods and irrigation, traffic management).

COURSES OFFERED

Year 1

- University Life (MPU-U2)
- Extra-curricular Learning Experience 1 (MPU-U4)
- Calculus & Analytical Geometry 2
- Mathematical Methods For Engineers 1
- Engineering Graphics & Design
- Engineering Statics
- Technical Communication
- Electrical Principles
- Geomatics
- Construction Technology

Year 2

- Malaysian Experiential Tourism/ Malaysian Ethnic Food (intl and local) (MPU-U3)
- Extracurricular Learning Experience 2 (MPU-U4)
- Mathematical Methods For Engineers 2
- Numerical Analysis
- Fluid Mechanics
- Mechanics Of Materials
- Materials In Civil Engineering
- Theory Of Structure
- Environmental Engineering Analysis & Design
- Soil Mechanics
- Co-operative Placement 2

Year 3

- Extra-curricular Learning Experience 3 (MPU-U4)
- Engineering Dynamics
- Engineering Management & Economics
- Engineering Hydrology
- Engineers In Society
- Structural Analysis
- Highway Engineering
- Geotechnical Materials & Analysis
- Water And Waste-Water Engineering
- Structural Steel And Timber Design
- Hydraulics
- Co-operative Placement 3
- Reinforced Concrete Design

Year 4

- Extra-curricular Learning Experience 4
- Geotechnical Design
- Groudwater Hydrology
- Highway Design
- Capstone Design Project
- Design/Research Project A
- Contract & Estimation
- Transportation Engineering
- Finite Element Analysis
- Project Construction & Management
- Design/Research Project B
- Co-operative Placement 4

General Courses (MPU) are compulsory for all students.

- U1 – For Malaysian students :
 1. Ethnic Relations
 2. Islamic Civilisation & Asian Civilisation
- For Foreign students:
 1. Malaysian Studies
 2. Communication in Bahasa Melayu 3

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COURSES OFFERED

Year 1

- Calculus & Analytical Geometry II
- Circuit Theory I *
- Digital Electronics I *
- Analogue Electronic I *
- Mathematical Methods for Engineers I
- Technical Communication
- Electromagnetic Theory I *
- Electronic Laboratory 1A
- Electronic Laboratory 1B

Year 2

- Advanced Circuit Theory &TL *
- Engineering Design *
- Mathematical Methods for Engineers II
- Electronic Manufacturing Industry *
- Engineering Softwares & Applications *
- Electrical Power *
- Computing for Engineers *
- Co-operative Placement 2
- Analogue Electronics II *
- Digital Electronics II *
- Electronic Laboratory 2A
- Electronic Laboratory 2B

Year 3

- Communication Theory *
- Numerical Analysis
- Instrumentation & Measurement *
- Data Communication & Networks *
- Microprocessor Systems *
- Electrical Machines *
- Environmental Engineering and Abatement Processes"
- Control Systems *
- Engineering & Management & Economics
- Engineers in Society
- Energy Conversion & High Voltage Power Transmission*
- Electronic Laboratory 3A
- Electrical Laboratory 3B
- Electrical Laboratory 3C

Year 4

- Digital Signal processing *
- Digital Systems & HDLs *
- Electronic Circuit Design
- Power Electronics *
- Final Year Project A
- Embedded Systems Design *
- Power Systems *
- Final Year Project B
- Co-operative Placement 4
- Power System Protection
- Electronic Laboratory 4A
- Electrical Laboratory 4B

Elective :

- Electromagnetic Theory II
- Introduction to Production and manufacturing
- VLSI Design
- Technopreneurship

General Courses (MPU) are compulsory for all students.

- U1 – For Malaysian students :
 1. Ethnic Relations
 2. Islamic Civilisation & Asian Civilisation

- For Foreign students:
 1. Malaysian Studies
 2. Communication in Bahasa Melayu 3

U2 – University Life

U3 – Malaysian Experiential Tourism/ Malaysian Ethnic Food

U4 – Extra-curricular Learning Experience 1 to 3

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BEng (Hons)

ELECTRICAL & ELECTRONIC ENGINEERING



Electrical Engineering is a field of engineering that generally studies the designing, installation, manufacturing, maintenance and testing of electrical and electronic equipment. On the other hand, Electronics Engineering focuses on solid state devices and integrated circuits that enable the creation of devices such as cellular phones, miniature computers, electronic controls for automotive and navigation systems in cars, home appliances, and a vast variety of other products for daily usage.

At UCSI University, the Electrical and Electronic Engineering programme covers a tremendous array of subjects related to both fields, ranging from basic topics such as circuits, analogue and digital devices and systems, computing, machines, communications and digital networks to more specialised topics like filter design, control, instrumentation, power, signal processing, VLSI design, and microprocessors / microcontrollers, among others.

This well-established and broad-based engineering degree programme combines theoretical studies with practical applications and problem-solving skills in the realm of engineering. The course grooms students to be well-trained individuals and exposes them to hands-on sessions with software and hardware design tools, in line with industry needs.

To foster competitiveness among graduates, students are also required to undergo industrial training under UCSI University's Co-operative Placement Training Scheme at the end of the 2nd and 3rd academic years. This training allows students to learn and familiarise themselves with the real-life working environment. Apart from that, students also undertake research and development projects in their final year of study.

CAREER OPPORTUNITIES

Graduates are able to find career opportunities in the following roles:

- Design Engineer
- R&D Engineer
- Analog Design
- PCB Design Engineer
- Digital Design
- Project Engineer
- System Design
- Test Engineer
- Electrical Engineer
- Mixed Signal Design

BEng (Hons) MECHANICAL ENGINEERING

Mechanical Engineering is concerned with the designing, manufacturing and analysis of various types of machines and mechanical systems. Individuals who are keen at problem-solving and possess a strong interest in mathematics and physics have the potential to be nurtured as professional Mechanical Engineers who strive to improve the quality of life for the community and are armed with strong social awareness.

At UCSI University, the programme is designed to groom future Mechanical Engineers who are team players, are innovative in solving complex problems and possess excellent communication skills. The course starts with a basic foundation in mathematics and physics, and towards the end of the programme, strong emphasis is placed on developing the students' abilities in designing mechanical components and systems, as well as solving complex engineering problems by applying various techniques and computational methods. The programme offers sufficient depth and breadth of study through a variety of subjects such as thermodynamics, heat transfer, air-conditioning systems, power plant technology and internal combustion engines, among others. Apart from that, students are exposed to the latest advances in engineering technologies from time to time, in order to inculcate lifelong learning habits.

To foster competitiveness among graduates, students are required to undergo industrial training under UCSI University's Co-operative Training Placement Scheme at the end of their 2nd and 3rd academic years. This allows students to be exposed to and prepare themselves for a real-life working environment. Students are required to undertake a research and development project in their final year of study.

CAREER OPPORTUNITIES

Today's Mechanical Engineers are involved with all forms of energy utilisation and conversion, machines, manufacturing materials and processes, as well as engines. The energy crisis has brought to focus a need for new sources of energy. Thus, Mechanical Engineers actively research solar, geothermal and wind energy sources, along with other relevant related research activities to increase efforts in producing electricity from fossil fuels, and hydroelectric and nuclear sources. Mechanical Engineers are also involved in designing and developing machines and mechanisms used in all forms of manufacturing and transportation.

Graduates of this Mechanical Engineering course will find career opportunities in the fields of energy technology, combustion, acoustics, noise and vibration control, manufacturing processes, metallurgical processes, machine design, automated machinery and robotics, quality management, plant layouts, and process simulation, among others.

COURSES OFFERED

Year 1

- Calculus & Analytical Geometry II
- Engineering Graphics & Design
- Engineering Statics
- Circuit Theory I
- Mathematical Methods For Engineers I
- Material Science
- Engineering Dynamics
- Technical Communication
- Fluid Mechanics

Year 2

- Mathematical Methods For Engineers II
- Mechanics Of Machines
- Stress Analysis & Design
- Thermodynamics I
- Computing For Engineers
- Introduction To Microprocessor
- Manufacturing Processes
- Mechanical Drawing & Assembly Techniques
- Electrical Power & Machines
- Co-operative Placement 2

Year 3

- Numerical Analysis
- Engineering Experimentation And Measurement
- Engineers In Society
- Introduction To Production & Manufacturing
- Elements Of Heat Transfer
- Mechanical Engineering Design
- Thermodynamics II
- System Dynamics
- Mechanical Vibrations
- Co-operative Placement 4

Year 4

- Control Systems
- Engineering Management & Economics
- Environmental Engineering and Abatement Processes
- Design Project
- Final Year Project A
- Final Year Project B

Elective Subject *(Select any four)*

- Programmable Logic Control
- Heating, Ventilating & Air Conditioning
- Power Plants
- Acoustics And Noise Control
- Internal Combustion Engines
- Mechanical Design With Finite Element Methods

General Courses (MPU) are compulsory for all students.

U1 – For Malaysian students :

1. Ethnic Relations
2. Islamic Civilisation & Asian Civilisation

– For Foreign students:

1. Malaysian Studies
2. Communication in Bahasa Melayu 3

U2 – University Life

U3 – Malaysian Experiential Tourism/ Malaysian Ethnic Food

U4 – Extra-curricular Learning Experience 1 to 3

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COURSES OFFERED

Year 1

- Calculus & Analytical Geometry II
- Circuit Theory I
- Digital Electronics I
- Technical Communication
- Mathematical Methods For Engineers I
- Engineering Graphics & Design
- Engineering Statics
- Analogue Electronics I

Year 2

- Engineering Dynamics
- Fluid Mechanics
- Advanced Circuit Theory & Transmission Lines
- Computing For Engineers
- Mathematical Methods For Engineers II
- Material Science
- Digital Electronics II
- Electronic Manufacturing Industry
- Engineering Software & Applications
- Co-operative Placement 2

Year 3

- Numerical Analysis
- Microprocessor Systems
- Electrical Power & Machines
- Thermodynamics
- Engineers In Society
- Control Systems
- Stress Analysis & Design
- Manufacturing Processes
- Instrumentation & Measurements (Lab)
- Co-operative Placement 4

Year 4

- Final Year Project A
- Embedded System Design
- Mechatronic Systems Design
- Engineering Management & Economics
- Final Year Project A
- Final Year Project B

Elective Subject *(Select any four):*

- Digital Control Systems
- Intelligent Systems
- Digital Signal Processing
- Fluid Power & Drives
- Robotic Systems
- Power Electronics

General Courses (MPU) are compulsory for all students.

- U1 – For Malaysian students :
 1. Ethnic Relations
 2. Islamic Civilisation & Asian Civilisation
- For Foreign students:
 1. Malaysian Studies
 2. Communication in Bahasa Melayu 3
- U2 – University Life
- U3 – Malaysian Experiential Tourism/ Malaysian Ethnic Food
- U4 – Extra-curricular Learning Experience 1 to 3

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BEng (Hons) MECHATRONIC ENGINEERING

Mechatronic Engineering is a field that integrates various components in different engineering disciplines - such as electronics, computer and mechanical engineering, among others - to meet the increasing demands of complex and sophisticated industries.

In mechatronics, students are equipped with the essential skills in industrial technology and learn a combination of mechanical, electronic and computer science techniques to design, fabricate, assemble and maintain automation and modern manufacturing systems.

The programme encompasses three major engineering fields, with a well-balanced focus on Electrical and Electronics, Mechanical and Robotics and Automation Engineering. Students are furnished with the fundamental skills in analysing and designing complex systems to serve the needs of the industry and to meet challenges posed by emerging technologies. The mechatronic laboratories are well-equipped with the latest equipment and software packages to enhance the students' learning experience and expose them to the latest technology in the market. The course aims to provide the industry with a new generation of engineers armed with interdisciplinary skills essential in managing modern engineering tasks such as designing, maintaining, calibrating, selecting, and procuring advanced integrated systems.

To increase their employability, students are also required to undergo industrial training under UCSI University's Co-operative Placement Training Scheme at the end of their 2nd and 3rd academic years. This allows students to learn and familiarise themselves with a real-life working environment. Apart from that, students also undertake a research and development project in their final year of study.

CAREER OPPORTUNITIES

Generally, Mechatronic Engineers find their place in industries where there is a potential for improvement through the integration of computer, electrical hardware and mechanical systems. As they possess the fundamental skills in Electrical, Mechanical and Robotic Engineering, graduates have the opportunity to be leaders in the following industrial fields: Automotive, Consumer Electronics, Biomedical, Robotics and Automation, to name a few.

Mechatronic Engineering has spawned a lot of research work and has become a popular field of study. Some of the active research topics in this area are: Actuators and Sensors, Control of Mechatronic Systems, Machine Intelligence, Embedded Computing and Software Engineering.

BEng (Hons) PETROLEUM ENGINEERING



The Petroleum Engineering degree programme at UCSI University is designed to equip students with a solid foundation and knowledge of oil and gas exploration, production and development.

The programme encompasses a well-balanced curriculum that focuses on both upstream and downstream industries. It covers a wide range of subjects that include but are not limited to mathematics, basic sciences, computing, introductory engineering, geology and petrophysics, drilling engineering, reservoir engineering, production engineering, economic and project management, as well as humanities and social sciences. Special features of the programme include:

- Commercial reservoir simulation software used for teaching and learning;
- Reservoir engineering including elements in rocks and fluid properties, enhanced oil recovery and natural gas engineering;
- Oil and gas production operations including well completion, well diagnosis and treatments;
- Field trips;
- Laboratories to study drilling, rocks and fluid properties;
- Field development project; and
- Final Year research and development project.

In this programme, students are also required to undergo industrial training under UCSI University's Co-operative Placement (Co-op) Programme at the end of their 2nd and 3rd academic years. The Co-op programme aims to provide an avenue for students to gain exposure to professional practices in an actual working environment as well as develop the necessary soft skills.

CAREER OPPORTUNITIES

Graduates from the Petroleum Engineering course conduct studies for the exploration, development and extraction of oil and gas deposits as well as; plan, design, develop and supervise projects for the drilling, testing, re-working and completion of oil and gas wells. A graduate of this programme will find career opportunities as one of the following:

- Drilling Engineer
- Field Engineer
- Operation Engineer
- Mud Engineer
- Cost Engineer
- Process Engineer
- Offshore Engineer
- Health and Safety Engineer
- Production Engineer
- Reservoir Engineer
- Project Development Engineer
- Well Completion Engineer
- Workover Engineer
- Subsea Engineer
- Simulation Engineer

COURSES OFFERED

Year 1

- Chemistry for Pet. Eng. Technology I
- Calculus and Analytical Geometry II
- Technical Communication
- Element of Material Science
- Chemistry for Pet. Eng. Technology II
- Mathematical Methods for Engineers 1
- Physics for Scientists & Engineers I
- Engineering Graphics & Design

Year 2

- Mathematical Methods for Engineers 2
- Introduction to Petroleum Engineering
- Environmental Science and Technology
- Physical Geology
- Thermodynamic
- Industrial Chemistry
- Numerical & Computing Methods
- Fluid Mechanics
- Computing for Engineers
- Co-operative Placement 2

Year 3

- Drilling Engineering
- Engineers in Society
- Transport Phenomena
- Safety in Oil and Gas Industry
- Elements of Reservoir Rock and Fluid Properties
- Petroleum Geology
- Reservoir Engineering
- Oil and Gas Production Operations
- Well Completion
- Engineering Management & Economics

Year 4

- Petroleum Refining Engineering
- Final Year Project A
- Enhanced Oil Recovery
- Natural Gas Engineering
- Formation Evaluation
- Reservoir Simulation
- Field Development Project
- Petroleum Economy
- Well Diagnosis and Treatment
- Final Year Project B
- Co-operative Placement 4

General Courses (MPU) are compulsory for all students.

- U1 - For Malaysian students :
1. Ethnic Relations
 2. Islamic Civilisation & Asian Civilisation

- For Foreign students:
1. Malaysian Studies
 2. Communication in Bahasa Melayu 3

U2 - University Life

U3 - Malaysian Experiential Tourism/ Malaysian Ethnic Food

U4 - Extra-curricular Learning Experience 1 to 3

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COURSES OFFERED

Year 1

- Engineering Physics I
- Engineering Mathematics I
- Computer Applications
- Electrical and Electronic Principles
- Engineering Physics II
- Circuit Analysis I
- Engineering Mathematics II
- Engineering Design
- Digital Electronics

Year 2

- Engineering Principles
- Applied Computing
- Circuits Analysis II
- Electrical Technology I
- Electrical Technology II
- Engineering Mathematics III
- Industrial Studies
- Project A
- Analogue Electronics
- Co-operative Placement II

Year 3

- Telecommunication Principles
- Control and Instrumentation Systems
- Microprocessor-based Systems
- Project B

General Courses (MPU) are compulsory for all students.

U1 – For Malaysian students:
Malaysian Studies

- For Foreign students:
Communication in Bahasa Melayu 2

U2 – Study Skills and Employability

U3 – Malaysian Eco-Tourism/ Malaysian Traditional Food

U4 – Extra-curricular Learning Experience 1 to 2

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Dip. ELECTRICAL AND ELECTRONIC ENGINEERING



The Diploma in Electrical & Electronics Engineering course at UCSI University is designed to provide fundamental theoretical knowledge and practical skills to individuals who are eager to join the industry at an earlier stage. The programme equips students with the relevant academic and “hands-on” experience to enable them to adapt quickly to their jobs after graduation, and provides flexibility, motivation and the essential knowledge and skills as a solid foundation for further studies. Upon successful completion of this programme, graduates may opt to pursue the prestigious degree programme at the faculty.

In a nutshell, this programme incorporates design projects - that aim to improve skills in design, problem-solving and report-writing - and furnishes students with the necessary skills, knowledge and expertise for challenges in various electrical and electronic industries.

The students are also required to undergo a minimum of three months’ industrial training under UCSI University’s Co-operative Placement scheme to learn and familiarise themselves with a real-life working environment.

CAREER OPPORTUNITIES

Graduates are able to find career opportunities in the following roles:

- Design Engineer
- Project Engineer
- R&D Engineer
- System Design
- Analogue Design
- Test Engineer
- PCB Design Engineer
- Electrical Engineer
- Digital Design
- Mixed Signal Design

DIPLOMA IN ENGINEERING (MATERIALS SCIENCE)



Materials have become part and parcel of our everyday lives. They exist in various forms; semiconductors in computer chips; light materials in aerospace applications; biomaterials in artificial organs or bone replacements; catalyst substrates in energy industries; and optical materials in communications systems, among others. Suffice to say, it is no exaggeration that the revolution of today's technologies largely depend on the development of new and innovative materials.

Materials science emphasises the relationship between synthesis and processing of materials, the structure (of materials) at atomic scales and their macroscopic properties. Material properties can be tailored by manipulating its composition and structure through synthesis and processing.

The programme is designed to build a strong foundation of knowledge that incorporates the elements of applied physics and chemistry at the introductory level in year 1. At a later stage, students will be exposed to metallurgy, polymer science, ceramics and composites, and will be trained to handle various instruments and tools for characterisation and analysis through practical sessions and cooperative placements.

Our graduates are recognised as well-qualified candidates in numerous areas; metallurgists in metal industries; material scientists in ceramic or plastic industries; quality specialists in manufacturing industries; and laboratory technologists in research institutions, to name a few. The future of materials science has no limits – undoubtedly this field is one of the most versatile research fields with abundant job opportunities.

COURSES OFFERED

Year 1

- Mathematics I
- Material Science
- Computer Applications
- Engineering Principles
- Physical Chemistry
- Mechanics of Materials
- Engineering Design
- Principles of Metal Extraction
- Tools of the Trade
- Mathematics II

Year 2

- Physical Metallurgy
- Polymer Science & Composites
- Quality Assurance and Control
- Principles of Electrical Technology
- Metal Forming and Joining Techniques
- Processing Iron & Steel
- Non-Ferrous Metals and Powder Metallurgy
- Ceramics and Glasses
- Project A
- Co-operative Placement

Year 3

- Corrosion
- Semiconductor Materials
- Failure Analysis and Non-Destructive Testing
- Occupational Safety, Health & Environment
- Project B

General Courses (MPU) are compulsory for all students.

U1 – For Malaysian students:
Malaysian Studies

– For Foreign students:
Communication in Bahasa Melayu 2

U2 – Entrepreneurship

U3 – Malaysian Eco-Tourism/ Malaysian Traditional Food

U4 – Extra-curricular Learning Experience 1 to 2

All information is correct at the time of printing and UCSI University reserves the right to make amendments without prior notice.

CAREER OPPORTUNITIES

The understanding of materials properties, processing and application of materials enables our Material Science graduates to contribute positively in the areas of research, design and development.

Upon graduation, our graduates can employ their strong technical knowledge and analytical skills across industries - including consulting - around the world. The growing manufacturing sector places great demand for more Material Science specialists who have the right expertise and knowledge. As such, graduates in this niche field have an added advantage over their peers in careers related to design and development of materials for technology advancement; testing and control of quality of different materials; exploration and application of new materials in the industry; improvement and enhancement of the characteristics of materials; investigate and prevent material failure as well as to meet design requirements.





EXPERIENCE DESIGN SIGN

with UCSI University



SCHOOL OF ARCHITECTURE & BUILT ENVIRONMENT

MINIMUM ENTRY REQUIREMENTS

Diploma in Architectural Studies

SPM / 'O' Levels/ SPMV or its equivalent	3 Credits (inclusive of Maths or Science)
SKV	Pass (Sijil Kemahiran Vokasional)
UEC	3 Credits (inclusive of Maths or Science)
Other Year 11 Equivalent	Overall average of 50% (inclusive of Math & Science)

Bachelor of Science (Hons) in Architecture

Foundation in Arts / Science or its equivalent	CGPA 2.0 (average grade C+)
Foundation in Architectural Studies or equivalent	CGPA 2.0 (average grade C)
STPM	CGPA of 2.33 for 3 subjects Credits in Maths or Science at SPM level
'A' Levels	3 Principals (average grade C, D, D for 3 subjects) Credits in Maths or Science at SPM level or Equivalent
UEC	5B Credits (inclusive of Maths or Science)
Other Year 12 Equivalent	Average of 65% inclusive of minimum score of 65% in Maths, Science & Arts ***
Equivalent Courses	Case-by-case basis <i>(Submission of certified transcripts, syllabus description & portfolio for exemption purposes)</i>

Diploma in Interior Architecture

SPM / 'O' Levels / SPMV or its equivalent	3 Credits
SKV (Sijil Kemahiran Vokasional)	Pass
UEC	3 Credits
Other Year 11 Equivalent	Overall average of 50%

Bachelor of Arts (Hons) in Interior Architecture

Foundation in Arts or Science	CGPA 2.0
STPM	CGPA of 2.33 for 3 subjects
'A' Levels	3 Principals (average grade C, D, D for 3 subjects)
UEC	5B (inclusive of Maths)
Other Year 12 Equivalent	Average of 65%
Equivalent Courses	Case-by-case basis <i>(Submission of certified transcript, syllabus description & portfolio for exemption purposes)</i>

English Requirements

SPM / UEC English	A+, A or A-
MUET	Band 5
TOEFL	213 (Computer), 550 (Written) or 79-80 (Internet)
IELTS	Band 5.5
UCSI English Foundation or equivalent	Pass

Note : If English Language requirements are not fulfilled, additional English module(s) must be taken at UCSI University.

DEGREE INTAKES JANUARY & JULY

DIPLOMA INTAKES JANUARY, MAY & SEPTEMBER

BSc (Hons)

ARCHITECTURE

Diploma in

ARCHITECTURAL STUDIES



Architecture is the art of designing the human built environment. Buildings are one of the most visible productions of man, of which the Architect is responsible for. The Architect's ideas and vision will inadvertently have profound effects on the built environment, and consequently, on the people who interact with the environment.

Unique selling points of the course

Architecture is an art form - the learning of which requires professional practice, personal artistic development and technical knowledge of a building. The constant dialogue between society and the architect is what produces architecture - as a product and as a discipline.

The School of Architecture and Built Environment understands that all those who study and work in the field of architecture need a framework for aesthetics and a functional appreciation for buildings and context. This can only be achieved via a thorough grounding in the design process, building sciences and technologies allied to an understanding of the important social, cultural, artistic, and historical factors which influence architecture. This philosophy underpins every teaching and research programme delivered at the School.

The architecture programme develops both academic understanding and practical skills required for careers in the professional field. Graduates will be equipped for careers in the broad field of design in the built environment sector.



COURSES OFFERED

BSc (Hons) Architecture

Year 1

Semester 1

- Architecture Design Studio 1
- Building Construction and Technology 1
- Architecture History 1
- Design Communication 1
- Professional Communication

Semester 2

- Architecture Design Studio 2
- Structure 1
- Building Construction and Technology 2
- Architecture History 2
- Design Communication 2

Year 2

Semester 3

- Architecture Design Studio 3
- Building Services 1
- Building Construction and Technology 3
- Architecture History 3
- Computer-aided Design 1
- Building Science 1

Semester 4

- Architecture Design Studio 4
- Building Construction and Technology 4
- Theories of Architecture & Design
- Building Science 2
- Structure 2
- Experiencing Architecture

Year 3

Semester 5

- Architecture Design Studio 5
- Building Services 2
- Professional Architecture Office Practice
- Architecture Inquiries
- Architecture Option*

*** Architectural Option 1** (Choose any ONE)

- Furniture Workshop
- Project Management
- Digital Architecture
- Architecture Site Planning
- Architecture Site Surveying & Coordination

End Sem 5 / 6 Practical

- Professional Architectural Internship

Semester 6

- Integrated Architectural Design Project
- Working Drawing

General Courses (MPU) are compulsory for all students.

U1 - For Malaysian students :

1. Ethnic Relations
2. Islamic Civilisation & Asian Civilisation

- For Foreign students:

1. Malaysian Studies
2. Communication in Bahasa Melayu 3

U4 - Local & International:

1. Experiencing Architecture
2. Minor: Experiencing Culture 1
3. Minor: Experiencing Culture 2

All information is correct at the time of printing and UCSI University reserves the right to make amendments without prior notice.

Diploma In Architectural Studies

Year 1

- Technical Mathematics
- Building Construction & Science
- Intro to Design principles
- Architecture Drawing I
- Introduction to Structure
- English Communication
- Architecture Design Studio I
- Architecture Drawing II
- Building Construction & Materials
- Architecture History I
- Architectural digital Media I (MPU-U2)
- Introduction to Writing & Research
- Architectural digital Media II

Year 2

- Furniture Workshop Elective 3
- Community Architecture (MPU-U4)
- Architecture Design Studio II
- Architecture Drawing III
- Building Construction I
- Architecture History II
- Services
- Architecture design Studio III
- Building Construction II
- Professional Practice (MPU-U3)
- Structure
- Working Drawing

Year 3

- Industry Experience

Elective : to choose max 2 courses to make up 4 credits to graduate

- Entrepreneurship
- Extra-curricular Learning Experience 1
- Extra-curricular Learning Experience 2

General Courses (MPU) are compulsory for all students.

U1 – For Malaysian students:
Malaysian Studies

– For Foreign students:
Communication in Bahasa Melayu 2

All information is correct at the time of printing and UCSI University reserves the right to make amendments without prior notice.

CAREER OPPORTUNITIES

BSc(Hons) Architectural Technology

- Assistant Architect
- Design Consultant
- Interior Designer
- Visualiser
- Research Assistant
- Academic Tutor

Dip. Architectural Studies

- Technical Assistant
- Draughtsperson
- Marketing Promoter
- Facility Manager
- Visualiser
- Model Maker
- Supervisor

ACADEMIC ROADMAP

Diploma
Architectural Studies

Foundation
Studies

BSc (Hons)
Architectural
Technology

Diploma

Year 2

+

6 months Industry Experience

Degree

Year 2 & 3

Diploma

Year 1

Foundation

1 Year

Degree

Year 1

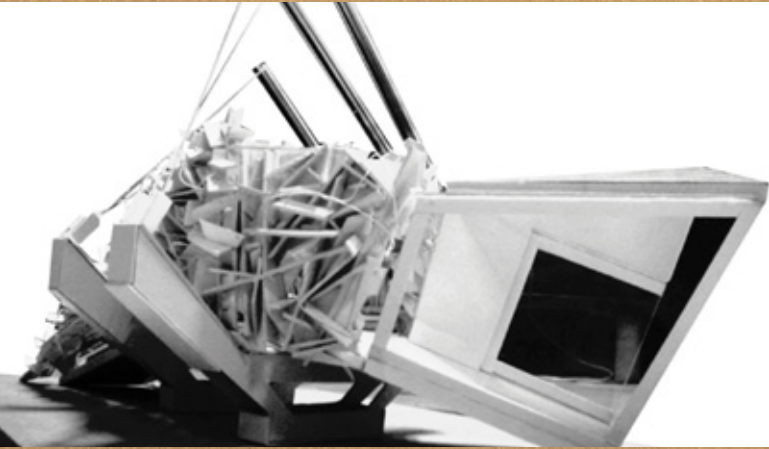
SKV
Pass

SPMV/SPM
3 Credits

SPM
5 Credits

STPM
3 Principals

BA (Hons) INTERIOR ARCHITECTURE Diploma in INTERIOR ARCHITECTURE



The Diploma in Interior Architecture programme explores the link between interior space and its architectural domain where spaces are inhabited and experienced as works of art that are rich in spatial investigations and interventions. Interior Architecture is a never ending journey of design development, conceptual creativity, theory and philosophy of spaces that creates exciting and practical environments in which people live, work and play. This 2.5 year full time diploma programme has received full accreditation recognition by Malaysian Qualification Agency (MQA).

Bachelor of Arts (Honours) in Interior Architecture offered at UCSI University is a 3.5 year full time professional degree programme governed by the Council of Architectural Accreditation & Education of Malaysia (CAAEM). The programme gears its students towards the future of being thinkers rather than just doers; 'think-and-do-tanks' that addresses human needs on a variety of scales. This will enable students to engage with current public expectations of interior architecture practice with the adaptive and increasingly complex and ever changing demands of design and current industry trends.

Various elective modules are introduced in the degree programme where interior architecture and environmental skills are developed through lectures, studio presentations and workshop-based projects. Theoretical and technological studies offered in the electives explore the use and experience of interiors in various ways. Elective/Option modules are introduced in the degree programme in order for students to obtain exposure in a selected field of interest. A list of elective/option subjects offered includes:

- Concept Design
- Visual Arts
- Furniture Design & Workshop
- Advertising and Promotion for Designers
- Experiencing Culture

UCSI University is the 1st university in Malaysia to receive full accreditation for an Interior Architecture degree programme by the Board of Architects Malaysia (LAM) and Malaysia Qualifications Agency (MQA).

COURSES OFFERED

BA (Hons) Interior Architecture

Year 1

Semester 1

- Interior Architecture Design 1
- Design Communication 1
- Interior Architecture Technology 1
- Interior Architecture History 1
- Professional Communication

Semester 2

- Interior Architecture Design 2
- Design Communication 2
- Interior Architecture Technology 2
- Interior Architecture History 2
- Architectural Digital Media 1

Year 2

- Interior Architecture Design 3
- Interior Architecture Technology 3
- Interior Architecture History 3 (MPU-U3)
- Architectural Digital Media 2
- Communication & Visualisation
- Minor 1*

Semester 4

- Interior Architecture Design 4
- Interior Architecture Technology 4
- Theories of Interior Architecture
- Interior Architecture Management
- Minor 2*

Year 3

Semester 5

- Interior Architecture Design 5
- Interior Architecture Practice
- Design Report
- Building Science 1
- Minor 3*

Semester 6

- Interior Architecture Design 6
- Interior Architecture Contract & Law
- Building Science 2
- Minor 4*

Practical Training (6 months)

- Professional Internship

* Minor/ MPU (U2 & U4)

- Minor: Concept Design & Visual Arts 1 (MPU-U2)
- Minor: Concept Design & Visual Arts 2 (MPU-U2)
- Minor: Furniture Design Workshop 1 (MPU-U2)
- Minor: Furniture Design Workshop 2 (MPU-U2)
- Minor: Experiencing Culture 1 (MPU-U4)
- Minor: Experiencing Culture 2 (MPU-U4)
- Minor: Advertising & Promotion 1 (MPU-U4)
- Minor: Advertising & Promotion 2 (MPU-U4)

General Courses (MPU) are compulsory for all students.

- U1 - For Malaysian students :
 1. Ethnic Relations
 2. Islamic Civilisation & Asian Civilisation
- For Foreign students:
 1. Malaysian Studies
 2. Communication in Bahasa Melayu 3

Diploma In Interior Architecture

Year 1

- Technical Mathematics
- Building Construction & Science
- Introduction to Design Principles
- Architecture Drawing I
- English Communication
- Interior Architecture Studio 1
- Architecture Drawing II
- Building Construction & Materials
- Architecture History 1
- Architectural Digital Media 1 (MPU-U2)
- Introduction to Writing & Research
- Architectural Digital Media 2
- Building Construction I

Year 2

- Furniture Workshop
- Community Architecture
- Interior Architecture Studio 2
- Architecture Drawing III
- Architecture History 2
- Services
- Interior Architecture Studio 3
- Interior Architecture Technology 2
- Professional Office Practice (MPU-U3)
- Interior Architecture Research & Dev.
- Working Drawing
- Furniture Design

Year 3

- Industry Experience

Elective : to choose max 2 courses to make up 4 credits to graduate

- Entrepreneurship
- Extra-curricular Learning Experience 1
- Extra-curricular Learning Experience 2

General Courses (MPU) are compulsory for all students.

U1 – For Malaysian students:
Malaysian Studies

– For Foreign students:
Communication in Bahasa Melayu 2

All information is correct at the time of printing and UCSI University reserves the right to make amendments without prior notice.

CAREER OPPORTUNITIES

Graduates will be able to gain professional working experience in the following:

- Interior Design & Architectural Firm
- Developer Firm
- Film and Television Organisation
- Construction Firm

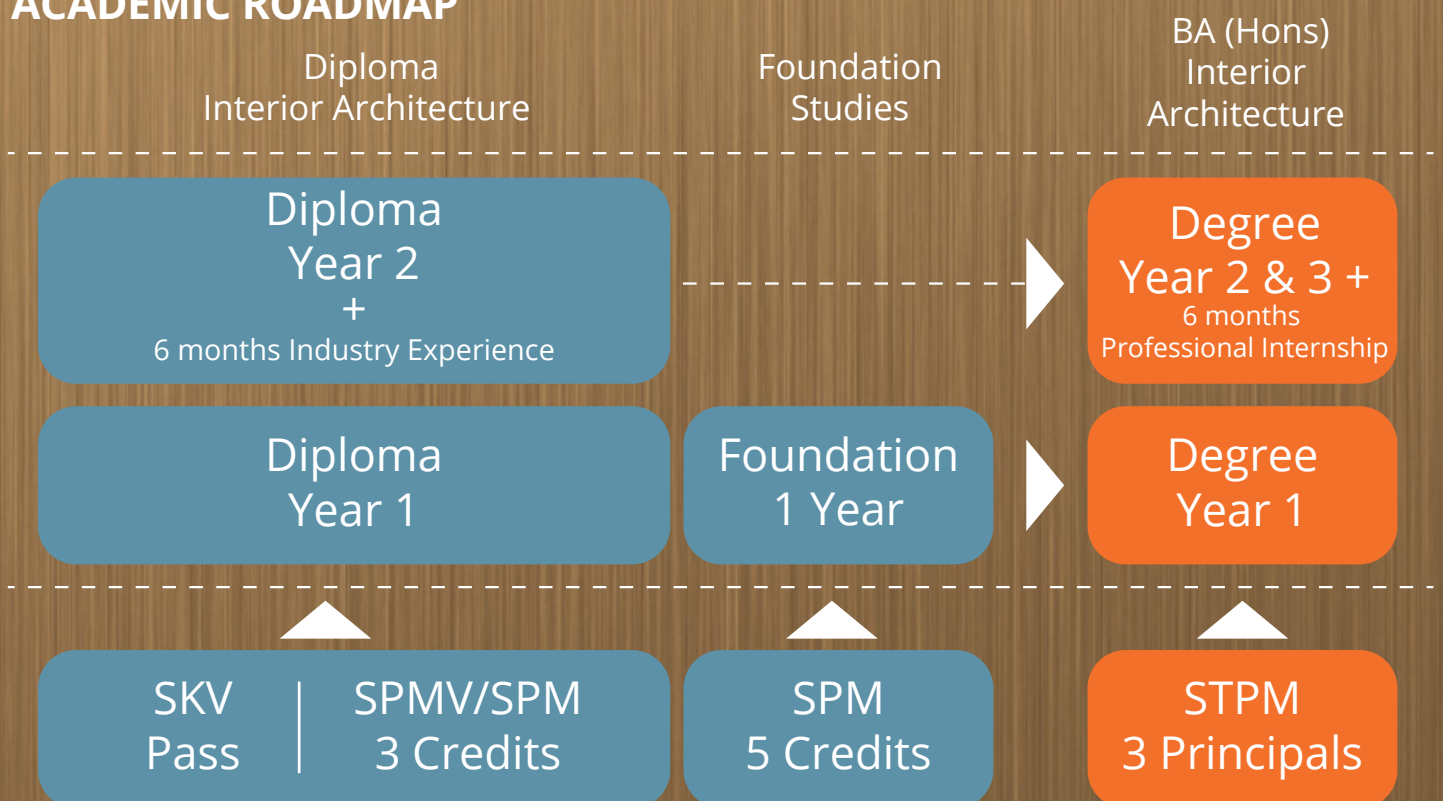
Graduates may also venture into other roles / fields of expertise, such as:

- Interior Architect / Designer / Consultant
- Technical Assistant / Draftsperson
- Project Manager
- Site Supervisor
- Environmental & Theme Park Design
- Lighting & Furniture Design
- Residential Design
- Retail & Commercial Design
- Hospitality & Healthcare Design
- Stage, Set & Exhibit Design

Opportunities also exist in support areas including:

- Building Product Marketing & Promotion
- Facilities Management & Development
- Building Industry Resource Supplier
- 3D Visualiser

ACADEMIC ROADMAP



FOUNDATION IN SCIENCE

The Foundation in Science programme is a comprehensive, flexible and dynamic programme specifically designed to prepare students for their specific career path in various UCSI University science-based degrees such as Biotechnology, Food Science and Nutrition, Communication & Electronics, Electrical & Electronics, Mechatronic Engineering, Doctor of Medicine, Nursing and Pharmacy, among others. This one-year programme is tailored for students who are confident of their chosen path of studies, and who are committed to attaining the best preparation for a science-based university degree programme at UCSI University.

MINIMUM ENTRY REQUIREMENTS

Foundation in Science (Engineering & Applied Sciences)

SPM / O-Levels	5 Credits including Mathematics & 2 Pure Science Subjects
UEC	4 Credits including Mathematics & 2 Pure Science Subjects
Other Year 11 equivalent	Average of 60% Including 60% Scores in Mathematics & 2 pure Sciences subjects

Foundation in Science (Medical & Pharmaceutical Sciences)

SPM	5 B's including Biology, Chemistry, Physics, Mathematics and Additional Mathematics
O-Levels	4 B's including Biology, Chemistry, Physics and Mathematics
Other Year 11 equivalent	Average of 65% Including 65% Scores in Mathematics & 2 pure Sciences subjects

English Language

A distinction (A+, A or A-) in SPM / UEC English, MUET Band 5, or a score of 213 (Computer-based) / 550 (Writing-based) / 79-80 (Internet-based) in TOEFL, or Band 5.5 in IELTS. If English Language requirements are not fulfilled, additional English module(s) must be taken at UCSI University.

INTAKES

January*, May* and September

*ONLY available to the students who wish to do Foundation in science leading to Medicine and Pharmacy.

COURSES OFFERED

- General Chemistry I [▲]
- General Chemistry II [▲]
- General Biology I [▲]
- General Biology II ^{▲/▲▲}
- General Physics I [▲]
- Fundamentals of Mathematics
- Algebra & Trigonometry
- Calculus
- Introduction to Probability & Statistics
- Introduction to Business
- Computing Essentials
- Moral Studies / Islamic Studies*
- Malaysian Studies*

▲ Science Lab

Notes:

- * International students are exempted from the abovementioned subjects.
- ** Bahasa Kebangsaan is required if the student did not obtain a credit for Bahasa Melayu (SPM level).
- ▲▲ Engineering student take accounting practice instead.

Duration:

1 Year / 3 semesters
(14 weeks per semester, no short semester)

Assessment

Integrating both coursework and written examinations, this programme incorporates a practice-oriented approach and furnishes students with relevant interesting, stimulating and hands-on experience via a variety of teaching methods and practical exercises. Different dynamic learning processes are employed in the delivery of this programme including lectures, tutorials, computer lab work, team-based projects, real-life system developments, presentations and independent projects, to name a few, supervised by both university lecturers and industry experts alike.



COURSES OFFERED

- Foundation in Arts
(Non-Actuarial Science)**
- Accounting Practice
 - Computing Essentials
 - Writing for Academic Purposes
 - Quantitative Methods
 - Office Application
 - Film & Arts Appreciation
 - Positive Psychology
 - Economics
 - Introduction to Business
 - Intro to Probability & Statistics
 - Human Communication
 - Moral Studies / Islamic Studies*
 - Malaysian Studies*

- Foundation in Arts
(Actuarial Science)**
- Basic Concepts of Mathematics
 - Calculus
 - Accounting Practice
 - Writing for Academic Purposes
 - Office Application
 - Film & Arts Appreciation
 - Positive Psychology
 - Economics
 - Introduction to Business
 - Intro to Probability & Statistics
 - Human Communication
 - Moral Studies / Islamic Studies*
 - Malaysian Studies*

- Foundation in Arts
(ELC, Mass Com, Psychology)**
- Accounting Practice
 - Quantitative Methods
 - Speech & Oral Communication
 - Psychology of Adjustment
 - Positive Psychology
 - Computing Essentials
 - Introduction to Language & Communication
 - Human Communication
 - Office Applications
 - Introduction to Marketing
 - Writing for Academic Purposes
 - Moral Studies / Islamic Studies*
 - Malaysian Studies*

Notes:

* International students are exempted from the abovementioned subjects.

** Bahasa Kebangsaan is required if the student did not obtain a credit for Bahasa Melayu (SPM level).

Duration:

1 Year / 3 semesters
(14 weeks per semester, no short semester)



FOUNDATION IN ARTS

The Foundation in Arts programme is a full-time three-semester intensive foundation course. It encompasses a comprehensive, flexible and dynamic curriculum where subjects are specially packaged to enable students to pursue their specific career pathway such as Computer Science, Business, Accounting, Logistics, Actuarial Science, Mass Communication and Psychology in UCSI University. This programme is tailored for students who are confident of their chosen path of studies and are committed to attaining the best preparation for a university degree programme at UCSI University.

Assessment

Integrating both coursework and written examinations, this programme incorporates a practice-oriented approach and furnishes students with relevant interesting, stimulating and hands-on experience via a variety of teaching methods and practical exercises. Different dynamic learning processes are employed in the delivery of this programme including lectures, tutorials, computer lab work, team-based projects, real-life system developments, presentations and independent projects, to name a few, supervised by both university lecturers and industry experts alike.

MINIMUM ENTRY REQUIREMENTS

SPM / O-Levels	5 Credits
UEC	4 Credits
Other Year 11 equivalent	Average of 60%

English Language

A distinction (A+, A or A-) in SPM / UEC English, MUET Band 5, or a score of 213 (Computer-based) / 550 (Writing-based) / 79-80 (Internet-based) in TOEFL, or Band 5.5 in IELTS. If English Language requirements are not fulfilled, additional English module(s) must be taken at UCSI University.

INTAKES

January, May and September



UCSI Education Sdn. Bhd. (185479-U)

UCSI University, Kuala Lumpur Campus (South Wing)

(KPT / JPT / DFT / US / W06)

No. 1, Jalan Menara Gading, UCSI Heights, Cheras, 56000 Kuala Lumpur, Malaysia

Tel: 603 - 9101 8880 Fax: 603 - 9102 2614

Latitude: 3.079548 (3° 4' 46.37" N) Longitude: 101.733216 (101° 43' 59.58" E)

UCSI University, Kuala Lumpur Campus (North Wing)

Lot 12734, Jalan Choo Lip Kung, Taman Taynton View,

56000 Cheras, Kuala Lumpur, Malaysia

Tel: 603 - 9101 8880 Fax: 603 - 9102 3606

Latitude: 3.084869 (3° 5' 5.53" N) Longitude: 101.736844 (101° 44' 12.64" E)

UCSI University, Terengganu Campus

(KPT / JPT / DFT / US / T01)

Bukit Khor, PT 11065, Mukim Rusila, 21600 Marang,

Terengganu Darul Iman, Malaysia

Tel: 609 - 628 1880 / 1889 Fax: 609 - 628 1885

Latitude: 5.216519 (5° 12' 59.47" N) Longitude: 103.161621 (103° 9' 41.84" E)

UCSI University, Sarawak Campus

(KPT / JPT / DFT / US / Y04)

Lot 2498, Block 16, KCLD, Jalan Tun Jugah,

93350 Kuching, Sarawak, Malaysia

Tel: 6082 - 455 255 Fax: 6082 - 455 015

Latitude: 1.517408 (1° 31.0445" N) Longitude: 110.353422 (110° 21.2053" E)

All information is correct at the time of printing but maybe subject to changes.

Date: 15.05.2013