| P2 | The Best in You, Made Possible |
| P5 | World Renowned University Partners |
| P6 | SEGi’s Edge |
| P7 | SEGian DNA |
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The Faculty of Engineering & The Built Environment focuses on a student-centered environment, allowing student-teacher interaction from Malaysia and our partner universities worldwide. You have access to work in advanced laboratories and workshops with essential tools in the development of engineering skills. The programmes are delivered using applied methodologies and state-of-the-art engineering facilities.

We offer an impressive range of engineering disciplines from Foundation and Diploma through to Bachelor, Master degrees and PhD in disciplines including civil engineering, chemical engineering, electronic & electrical engineering, automotive engineering and mechanical engineering. Our engineering students have gone on to write many success stories and the Faculty is proud to host students who obtained First Class Honours from top-notch universities worldwide.

The Built Environment covers a variety of disciplines such as architecture, construction management, quantity surveying, environmental design and planning. You get to address professional, industrial and consultancy activities while exploring relationship between the buildings/cities and individuals, communities and organisations that inhabit them, ensuring they develop a prosperous future in the growing job market.
Awards received by SEGi University & Colleges

**Education – Malaysia World Branding Award**
Outstanding Innovation Award 2014

**Reader’s Digest Trusted Brand 2015**
(Services, Private University/College)

**Reader’s Digest Trusted Brand 2014**
(Services, Private University/College)

**Reader’s Digest Trusted Brand 2013**
(Services, Private University/College)

**PUTRA BRAND AWARDS**
- **SILVER 2015**
  (Education & Learning)
- **SILVER 2014**
  (Education & Learning)
- **SILVER 2013**
  (Education & Learning)
- **BRONZE 2012**
  (Education & Learning)

- **Students Choice Awards 2015**
  (Top 10 Universities)

- **The Edge Billion Ringgit Club 2013**
  (Best Performing Stock Award - Trading & Services)

- **3rd Global Leadership Award 2013**
  (Leadership in Educational & Training Excellence)

- **Asia Pacific Entrepreneurship Awards 2012**
  (Most Promising Entrepreneur)

- **10th Asia Pacific International Honesty Enterprise Keris Award 2011**

- **The BrandLaureate Best Brand Award 2010 - 2011**
  (Education Tertiary Private)
ALMOST 40 YEARS OF ESTABLISHMENT

ACCREDITATION BY MALAYSIAN QUALIFICATION AGENCY (MQA)

WORLD RENOWNED UNIVERSITY PARTNERS

WIDE-RANGING QUALITY PROGRAMMES

BROAD ENTRY LEVEL

ADVANCE CREDIT TRANSFER

CUTTING EDGE FACILITIES

INNOVATIVE FINANCING

HOLISTIC LEARNING

ACCESSIBILITY

10 REASONS TO STUDY AT SEGi UNIVERSITY & COLLEGES
University of Sunderland, United Kingdom

A provider of higher education in the United Kingdom since 1901, University of Sunderland (UOS) proudly stands out to be an accessible and an inspirational university. Its innovative, forward-thinking with high standards of teaching, research and support of strong links from industry and business, has resulted them working closely with some of the world’s leading companies.

UOS is committed to ensuring that students have the best learning environments and support by listening to, understanding and acting on their needs. As of year-end 2012-2013, UOS raked in 15,152 students and its strength range from widening access and student experience to research, international and industry links.

University of Greenwich, United Kingdom

The University of Greenwich (UOG) has a proud and historic tradition of helping students attain academic excellence in a diverse range of disciplines and fields.

Its Educational Development Unit (EDU) is at the centre of activity to maximise the effectiveness of student learning, teaching and assessment at the university. It promotes and encourages innovation and excellence in curriculum design and delivery and act as a catalyst in the growth of networks and collaborations across the institution and into the Higher Education Sector.

The university works closely with a number of colleges, both in the local region and internationally. Through these partnerships the university helps to meet the rising demand for higher education at a local, regional, national and international level.
The modern and up-to-date high-technology laboratories especially for students to utilise and enhance the learning experience.

Chemical Engineering Laboratories
The laboratories are fully geared with instruments for classroom experiment exercises.

Comprehensive Lab Practice
There are multi-disciplinary laboratories for students to conduct various experiments for industrial applications.

PERINTIS Award 2014
Our engineering students participated in the Pertandingan Rekacipta dan Inovasi Institusi Pengajian Tinggi Swasta (PERINTIS) 2014 & yielded two medals:

- Manual Casting Machine
  Silver medal
- Polymer Solution Delivery System
  Bronze Medal

Congratulations to the winners and to their mentor, Dr Chan Mieow Kee for leading them all the way.

The Future Engineering Leaders
We aim to develop future engineers who are well-versed in technical knowledge and possess full understanding of their role in the society’s progress.


Our Engineering students took part in the Beyond Structures 2015 Competition and won an award for Outstanding Performance / Second Team Category.
SEGian DNA

1. Analytical/Creativity
   Critical Thinking
   Innovative problem-solver who can generate creative solutions.

2. Entrepreneurship
   Results-driven achiever with exemplary planning and organisational skills, along with a high degree of detail orientation.

3. Job Readiness
   Highly analytical thinking with demonstrated talent for identifying, scrutinising, improving, and streamlining complex work processes.

4. Lifelong Learning
   Flexible individual who is self-motivated and thrives to pursue knowledge autonomously for personal or professional reasons.

5. Managing EQ (Positive Thinking)
   Goal-driven leader who maintains a productive climate and confidently motivates, mobilises, and coaches employees to meet high performance standards.

6. Communication Skills
   Exceptional listener and communicator who effectively conveys information verbally and in writing.

7. Global Perspective/Citizenship
   Personable professional whose strengths include cultural sensitivity and an ability to build rapport with a diverse workforce in multicultural settings.

8. Leadership & Management
   Resourceful team player who excels at influencing as well as building trusting relationships with customers and colleagues.

SEGi graduates are fully equipped with the skills and tools of the trade essential in facing the challenges of today. These skills carved into everyday practice, proves that SEGians are all-rounders, at the top of their game in all aspects.
Study Route

**Degree**
- Bachelor of Engineering (Hons)
  - Electronic and Electrical Engineering
  - Mechanical Engineering
  - Automotive Engineering
- Bachelor of Environmental Technology (Hons)
- BSc (Hons) Quantity Surveying
- BEng (Hons) Chemical Engineering

**Dual Award**
- BEng (Hons) in Electronic and Electrical Engineering
- BEng (Hons) in Mechanical Engineering
- BEng (Hons) in Civil Engineering

**Master / PhD**
- PhD (Engineering) by Research
- PhD (Environmental Sciences) by Research
- MSc Engineering Management
- MSc in Telecommunication Engineering
- MSc in Engineering by Research
- Master of Environmental Management Technology
<table>
<thead>
<tr>
<th>Programme</th>
<th>Awarding Institution</th>
<th>Entry Requirements</th>
<th>Duration</th>
<th>Campus</th>
</tr>
</thead>
<tbody>
<tr>
<td>PhD (Engineering) by Research</td>
<td>SEGi University</td>
<td>• Master’s degree in a relevant field of study; OR • Any equivalent qualification in a related field of study recognised by the Malaysian government and University’s Senate; OR • 600 TOEFL score or minimum score of 6 for IELTS</td>
<td>3 - 6 years</td>
<td>Kota Damansara</td>
</tr>
<tr>
<td>PhD (Environmental Sciences) by Research</td>
<td>SEGi University</td>
<td>• A relevant Master’s degree or any equivalent qualification recognised by the Malaysian government • 600 TOEFL score or minimum score of 6 for IELTS</td>
<td>3 - 6 years</td>
<td>Kota Damansara</td>
</tr>
<tr>
<td>MSc Engineering Management</td>
<td>University of Sunderland, UK</td>
<td>• Degree in any Engineering field with CGPA 2.5 above or equivalent • Pass the Engineering Council Examination part III (EE or ME)</td>
<td>1½ years</td>
<td>Subang Jaya</td>
</tr>
<tr>
<td>MSc in Telecommunication Engineering</td>
<td>University of Sunderland, UK</td>
<td>• Degree in Electronic &amp; Electrical Engineering and Telecommunication Engineering with minimum 2:2 degree (Second Class Lower) classification or CGPA above 2.5 • International students must demonstrate a good command of the English language and required to undertake an IELTS examination prior to starting the programme • Pass Engineering council examination part III (Electrical / Electronic / Telecommunication Engineering)</td>
<td>1½ years</td>
<td>Subang Jaya</td>
</tr>
<tr>
<td>MSc (Engineering) by Research</td>
<td>SEGi University</td>
<td>• Related Bachelor’s degree with honours (minimum 2nd upper); OR • Any equivalent qualification in a related field of study recognised by the University’s Senate</td>
<td>2 - 4 years</td>
<td>Kota Damansara</td>
</tr>
<tr>
<td>Master of Environmental Management Technology</td>
<td>SEGi University</td>
<td>• Bachelor’s degree in Science or Applied Science • Bachelor’s degree in Engineering • Bachelor’s degree in Environment • Bachelor’s degree in Management • Bachelor’s degree in Economics • Other equivalent degrees in related subject areas that are recognised by SEGi • Other equivalent degrees that are recognised by Malaysian government</td>
<td>1 year 4 Months (Full time)</td>
<td>Kota Damansara</td>
</tr>
<tr>
<td>Programme</td>
<td>Awarding Institution</td>
<td>Entry Requirements</td>
<td>Duration</td>
<td>Campus</td>
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<td>-----------------------------------------------</td>
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</tr>
</tbody>
</table>
| BEng (Hons) Automotive Engineering (3+0)     | University of Sunderland, UK        | • Pass a recognised Matriculation / Foundation Programme with of at least CGPA 2.00 and credit in Mathematics in the SPM; OR  
• Pass STPM with at least CGPA 2.00 with full passes in 2 subjects; OR  
• Pass a Diploma in any related field with at least CGPA 2.50. Candidates with a score of below CGPA 2.50 but more than 2.00 may be accepted subject to evaluation | 3 years  | Subang Jaya       |
| BEng (Hons) Electronic & Electrical Engineering (3+0) | University of Sunderland, UK        | • STPM / A-Level / SM3 or equivalent (2 principal passes in Maths & Physics)  
• Pass a Diploma in Electronic & Electrical Engineering with a CGPA of 2.00  
• Pass a recognised Matriculation / Foundation Programme with a CGPA of 2.00 | 3 years  | Kota Damansara Subang Jaya Penang |
| BEng (Hons) in Mechanical Engineering        | SEGi University                     | • A-Level (2 principal passes in Maths & Physics)  
• STPM (2 principal Passes in Maths & Physics)  
• UEC / SM3 (including Maths & Physics)  
• SAM (65% including a Pass in Maths & Physics)  
• CPU (65% overall including Maths & Physics)  
• Foundation in Science / Engineering (CGPA 2.00 or pass overall including Maths & Physics)  
• Related certificate from IPT with approval from Sektor Pengurusan IPTS and MOHE (CGPA 2.00 or pass)  
• Other equivalent qualification recognised by the Malaysian government (CGPA 2.00 or pass)  
• Other equivalent foreign qualification (pre-university, Year 12) recognised by the Malaysian government (CGPA 2.00 or pass) | 4 years  | Kota Damansara   |
| BEng (Hons) in Mechanical Engineering        | SEGi University & University of Sunderland, UK | • Pass Foundation in Science  
• STPM / A-Level – 2 Principal Passes (Maths & Physics)  
• UEC 5 Bs (Maths & Physics)  
• SAM / CPU – 60%  
• Pass a Diploma in Electronic & Electrical Engineering with a CGPA of 2.00 | 3 years  | Kota Damansara Subang Jaya Penang |
<table>
<thead>
<tr>
<th>Programme</th>
<th>Awarding Institution</th>
<th>Entry Requirements</th>
<th>Duration</th>
<th>Campus</th>
</tr>
</thead>
</table>
| BEng (Hons) in Electronic & Electrical Engineering | SEGi University | • A-Level - 3 Passes with UCAS point of 240 [include Maths & Physics]  
• STPM - 3 Principal passes with Grade C / grade point of 2.0 and above [include Maths & Physics]  
• UEC - 5 Bs [include Maths & Physics]  
• SAM - 60% [include Maths & Physics]  
• CPU - 60% [include Advanced Functions, Calculus & Vectors and Physics]  
• Foundation in Science / Engineering - CGPA 2.0; OR  
• Pass [include Maths and Physics]  
• Other equivalent qualification recognised by the Malaysian government [CGPA 2.0 or Pass]  
• Other equivalent foreign qualification [Pre-U/ Year 12] recognised by the Malaysian government | 4 years | Kota Damansara |
| BEng (Hons) in Electronic & Electrical Engineering in Sunderland, UK | SEGi University & University of Sunderland, UK | • STPM/ A-Level with (2 principal passes including Maths and one analytical science subject); OR  
• UEC with 5 Bs (must include Maths and one analytical science subject); OR  
• Pass in relevant Pre-U / Foundation or other equivalent qualification | 4 years | Kota Damansara |
| Bachelor of Environmental Technology (Hons) | SEGi University | • STPM: 2 Principal passes (Must include Science subjects)  
• Pass Foundation in Science with minimum CGPA of 2.0  
• Pass Diploma in relevant field with minimum CGPA of 2.0  
• Any other equivalent qualification approved by MQA | 3 years | Kota Damansara |
<table>
<thead>
<tr>
<th>Programme</th>
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<th>Duration</th>
<th>Campus</th>
</tr>
</thead>
</table>
| BSc (Hons) in Surveying                      | SEGi University           | • A-Level [2 principal passes including Maths]  
• STPM [2 principal passes with Grade C / grade point of 2.0 and above (including Maths)]  
• UEC SM3 - 5Bs [including Maths]  
• South Australian Certificate of Education (SACE) 2 Passes with Grade C (including Maths)  
• Canadian Pre-U (CPU) - 60% (including Maths)  
• International Baccalaureate (IB) - 24 points (including Maths)  
• Foundation in relevant field - CGPA 2.00 or Pass  
• Other equivalent qualification recognised by Malaysian government - CGPA 2.00 or pass  
• Other equivalent foreign qualification (Pre-U, Year 12) recognised by Malaysian government  | 3 years  
3 Months | Kota Damansara          |
| BEng (Hons) in Chemical Engineering          | SEGi University           | • A-Level - 3 passes with UCAS point of 240 (include Maths & Physics / Chemistry / Biology)  
• STPM - 3 principal passes with Grade C / grade point of 2.0 and above (include Maths & Physics / Chemistry / Biology)  
• UEC - 5 Bs (include Maths & Physics / Chemistry / Biology)  
• SAM - 60% (include Maths & Physics / Chemistry / Biology)  
• CPU - 60% (include Advanced Functions, Calculus & Vectors and Physics / Chemistry / Biology)  
• Foundation in Science / Engineering CGPA 2.00 or Pass (include Maths & Physics / Chemistry / Biology)  
• Any other equivalent qualification approved by MQA  | 4 years | Kota Damansara          |
| Diploma in Electronic & Electrical Engineering | SEGi College              | • SPM / UEC with a minimum of 3 credits (including Maths and one Science subject) or other equivalent qualification  | 2 – 2½ years | Subang Jaya Penang |
| Diploma in Mechanical Engineering            | SEGi College              | • SPM / UEC with a minimum of 3 credits (including Maths and one Science subject) or other equivalent qualification  | 2 – 2½ years | Subang Jaya      |
| Foundation in Science                        | SEGi University & SEGi College | • SPM / O-Level / SM2 or equivalent (5 credits)  | 1 year | Kota Damansara  
Subang Jaya Penang Sarawak |

All diploma and degree programmes require students to take general subjects (Mata Pelajaran Umum), as required by the Ministry of Education, Malaysia. Beside, the programme duration may vary with different intake per year.

The following is an indication of current programme content. However, the rapidly changing nature of the subject area means that the courses offered and individual course content are continuously updated to meet industry needs. Also, please note that certain combinations of options may not be available.
PhD (ENGINEERING) BY RESEARCH
SEGi UNIVERSITY

The Doctor of Philosophy (Engineering) programme provides professionals in-depth knowledge of Engineering, thus shaping the ability to solve research and engineering problems effectively.

This doctorate programme keeps you updated with the latest developments in the field of engineering and cultivates research competitiveness to cater to societal needs. It also serves as a platform for innovation and creation.

With the guidance from our experienced academic team throughout the programme and well thought out curriculum, you will master far more advanced analytical thinking skills and be well prepared to take on new challenges relevant to the industry.

Programme Modules

Year 1
- Semester 1: Advanced Research Methods and Design
- Semester 2: Research Proposal and Seminar
- Semester 3: Research and Thesis

Year 2
- Research and Thesis

Year 3
- Research and Thesis

Career Opportunities
A PhD graduate in Engineering would have the opportunity to work in the industry as a full-fledged practicing engineer specialising in areas of his expertise from the research conducted.

PhD (ENVIRONMENTAL SCIENCES) BY RESEARCH
SEGi UNIVERSITY

The purpose of this PhD degree programme is to provide a doctoral level research experience to develop critical thinking to master both theoretical and practical applications on a higher level.

This programme will offer you a quality education that meets the needs of global scientific business and the research & academic environment industry. It offers intensive research skills and analytical capabilities that covers the overall environmental sciences component.

Programme Modules

Year 1
- Semester 1: Advanced Research Methods and Design
- Semester 2: Research and Thesis
- Semester 3: Research and Thesis

Year 2
- Research and Thesis

Year 3
- Research and Thesis

Career Opportunities
A PhD graduate in Environmental Sciences would have the opportunity to work in the industry as a full-fledged practicing environmental scientist specialising in areas of expertise from the research conducted, and later on as a manager in supervising younger environmentalists.
Programme Modules

**MSc ENGINEERING MANAGEMENT**

**UNIVERSITY OF SUNDERLAND, UK**

This postgraduate level programme equips you to be a leader in a technical team to deliver on time and on budget.

During the course of your studies, you will build on your technical background while adding business and management skills. These skills include project control, supply chain management, risk management and quality optimisation. You will also develop the soft skills of working with others and leading projects.

Your Master’s project will also involve a real-world project. It will include both a research and a practical element, and it is an opportunity to impress not only your academic assessors but also potential employers.

**Programme Modules**

**Module Title**

- Managing People and Project Leadership
- Project Risk and Quality Management
- Research Skills and Academic Literacy
- Decision Support for Management
- Engineering Operation Management
- Advanced Maintenance Practice
- Project Management and Control
- Project

**Career Opportunities**

A Master graduate in Engineering Management would have the opportunity to gain access to general management positions in the engineering sector. As a manager, he will be tasked in supervising younger engineers and technologists as well as the usage of facilities and resources in carrying out engineering project management works.

**MSc (ENGINEERING) BY RESEARCH**

**SEGi UNIVERSITY**

The MSc (Engineering) by research programme prepares you with comprehensive knowledge in the research area of Engineering.

Upon completion of the programme, you are able to establish and conduct surveys or experiments, analyse data and present the results in a professional manner. Through this programme, we will cultivate research competitiveness in you, equipping you with the capacity for continuous learning and analysing contemporary issues.

**Programme Modules**

**Year 1**

- Semester 1
  - Advanced Research Methods and Design
- Semester 2
  - Research Proposal and Seminar
- Semester 3
  - Research and Thesis

**Year 2**

- Research and Thesis

**Career Opportunities**

Alternatively, he can pursue an academic career in the university as a lecturer and researcher.
The programme aims to prepare you for a career in the design and management of converged enterprise networks and telecommunication systems.

The programme will allow you to develop the necessary skills needed to design and build a large multi-site network with a strong focus on the convergence of voice, video and data within the modern enterprise network.

**Cisco Certified Networking Associate (CCNA)**
Students may attend an additional specialist networking course that will prepare them for Cisco Systems CCNA professional Qualification.

**Board of Engineers Malaysia (BEM) Recognition**
Students with Degree in Electronic & Electrical Engineering who completed the Msc in Telecommunication would be able to register as a graduate member with Board of Engineers Malaysia.

**Programme Modules**

**Module Title**
- Broadcasting System
- Local and Wide Area Network
- Research Skills and Academic Literacy
- Digital Telephony
- Wireless Telecommunication
- Network Simulation
- Advanced Network Security System
- Project

**DID YOU KNOW?**

Our graduates can earn **UP TO RM36, 000 PER ANNUM** upon employment.

“...The engineering programme has been an eye opening experience. With the priority placed on practical based knowledge and design, coupled with the fundamental engineering principles, I am happy to say my future is bright.”

**HWANG CHIN SHERN**

**Career Opportunities**

Plenty of job opportunities are available for graduates in the telecommunication engineering industry. They could be employed as telecommunication engineer, administrator of convergent voice & data networks, network planner, network manager or system designer.
MASTER OF ENVIRONMENTAL MANAGEMENT TECHNOLOGY
SEGI UNIVERSITY

As technology advances, our Mother Earth is being depleted of its precious resources. Preserving the earth for the well-being of human kind and other living organisms in the environment is crucial and mandatory. Environmental knowledge is undoubtedly an essential component in any kind of development. This programme focuses on the ever growing demand for highly specialised and effectively trained managers and scientists to tackle significant environmental issues in today’s natural environment, agro-environmental issues and land use functions. Graduates, professionals and specialists majoring in a compatible discipline and with background knowledge on environmental issues have the opportunity to expose themselves to various environmental assessment methods, environmental management and environmental technology in this programme.

The graduates will have to apply their critical thinking skills in this programme. Be it problem-solving, situational learning, classroom learning or hands-on training, all of the teaching-and-learning approaches in this programme aim at producing managers and scientists who will be able to tackle environmental problems and propose creative yet effective solution in their respective workplaces then.

Programme Modules

Year 1
- Water Supply and Wastewater Treatment
- Elective I
- Ecology and the Environment
- Solid Waste Management and Disposal
- Environmental Impact Assessment and Risk Analysis
- Elective II
- Environmental Pollution and Control
- Research Methodology
- Environmental Ethics
- Environmental GIS Application
- Environmental Governance
- Environmental Remote Sensing Applications

Management Elective Courses
- Environmental Project Management
- Environmental Economics

Technology Elective Courses
- Energy and Environment
- Climate and Air Pollution

Year 2
- Research Project

INTERESTING FACT
96% OF OUR GRADUATES get employed within a span of 6 months upon graduation

Career Opportunities
This programme is vast and they vary depending on their area of interest. They can be employed by environmental consulting firms or any other industries which need expertise in environmental quality control and management. This programme is also suitable for management staff.
Programme Modules

BE(HONS)
AUTOMOTIVE ENGINEERING (3+0)
UNIVERSITY OF SUNDERLAND, UK

We provide you with a thorough understanding of advanced technologies and processes related to automotive systems, analysis techniques and design methodologies.

Develop skills for clear communication and responsible teamwork to inspire professional attitudes and ethics along the way. This prepares you for modern work environments and lifelong learning.

The multi-disciplinary nature of automotive systems ranging from manufacturing and power trains to electrical power / control systems and others, provides opportunities for you to gain exposure to disciplines at an advanced graduate level.

Programmes such as Automotive System Design, Automotive Electronic & Electrical System, Chasis Technology and Automotive Technology prepare you for employment within the automotive industry or many other related automotive fields.

Programme Modules

Year 1
- Applied Mechanics
- Manufacturing and Materials
- Engineering Mathematics
- Introduction to Automotive Engineering
- Design, Drawing and Practical Skills
- Electrical Principles
- Engineering Applications and
- Information Technology
- Thermodynamics
- Hubungan Emik
- Tamadun Islam & Asia Tenggara

Year 2
- Design Methods and Application
- Computer Aided Engineering Application
- Industrial Studies
- Measurement and Instrumentation
- Automotive Electronic & Electrical System
- Vehicle Drive Train and Chassis System
- Engineering Mechanics
- Thermofluid and Engine
- Steering and Suspension System
- Theory of Machines
- Public Speaking
- Entrepreneurship

Year 3
- Automotive Technology
- Material Selection
- Project
- Automotive Design
- Project Management, Planning and Control
- Manufacturing System Design
- Community Service

“Although engineering is a tough programme and requires a lot of hard work, SEGi has made it bearable with well equipped laboratories, library and dedicated lecturers.”

NAYTHAN SEK KOK TUNG

Career Opportunities

This programme provides you for a career in research, design, development, advanced engineering and production of various types of heavy or light vehicles. As graduates of this programme, you can create the latest design for vehicles, utilising knowledge in engine and transmission, vehicle dynamics, analysis of vehicle structure and electronics.
**BEng (HONS) ELECTRONICS & ELECTRICAL ENGINEERING (3+0)**

**UNIVERSITY OF SUNDERLAND, UK**

Get the skills and knowledge that enables you to influence the direction of electronic and electrical engineering, and make the world a better and more interesting place for future generations.

The University of Sunderland BEng (Hons) Electronic & Electrical (3+0) programme is designed to provide you with a wide range of engineering and management skills. This is achieved by working individually or as part of a team to solve technical problems and implement appropriate solutions. You will start by learning fundamental skills required to understand basic engineering principles. Then, the emphasis will be on a number of electronic & electrical subject areas.

### Programme Modules

#### Year 1
- Electronic Principles
- Electrical Principles
- Design, Drawing and Practical Skills
- Applied Mechanics
- Manufacturing and Materials
- Engineering Applications of Information Technology
- Engineering Mathematics
- Hubungan Etnik
- Tamadun Islam & Asia Tenggara

#### Year 2
- Electronics
- Electrical Power Systems and Machines
- Measurement and Instrumentation
- Control
- Simulation
- Microprocessor Systems
- Industrial Studies
- Manufacturing Processes
- Engineering Mathematics and Statistics
- Public Speaking
- Entrepreneurship

#### Year 3
- Electrical Power
- Electronic Systems Design
- Manufacturing Systems Design
- Project Management Planning and Control
- SCADA and PLCs
- Final Year Project
- Community Service

---

“\n
The internship placement gave me an avenue to apply my practical and theoretical knowledge before I graduated. This exposure helped me to know what was needed in the industry and also what are the latest system and technical technologies being used in the built environment.”

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**Career Opportunities**

As graduates of the BEng (Hons) Electronics & Electrical programme, you will have a wide choice of career in diverse sectors such as: Automotive Industry, Aerospace, Power Generation and Communications.
The BEng (Hons) Mechanical Engineering is an ideal programme if you are interested in technology and its use in creative design. This provides you with the skills and knowledge to become a modern mechanical engineer.

Throughout the programme, you will encounter problems that need to be solved individually or as a group. You will need to design and construct new equipment for novel and challenging applications and tackle problems using the tools and computer systems available to today’s engineers.

As the programme progresses, you will also learn about management and the business context of engineering projects, thus gaining the confidence to tackle the varied and demanding work of an engineer.

### Programme Modules

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
</table>
| - Electrical Principle  
- Design, Drawing and Practical Skills  
- Applied Mechanics  
- Manufacturing and Materials  
- Thermodynamics  
- Engineering Applications of Information Technology  
- Engineering Mathematics  
- Programming Methodology  
- Hubungan Etnik  
- Tamadun Islam & Asia Tenggara  
- Engineering Mechanics  
- Thermofluids & Engines  
- Measurement and Instrumentation Simulation  
- Computer Aided Engineering  
- Design Methods & Application  
- Industrial Studies  
- Manufacturing Processes  
- Numerical Analysis  
- Engineers & Society  
- Public Speaking  
- Entrepreneurship  
- Engineering Dynamics & Strength of Materials  
- Materials Selection  
- Design  
- Thermodynamics & Fluid Mechanics  
- Project Management Planning and Control  
- Manufacturing Systems Design  
- Final Year Project  
- Community Service  |

"My internship at a Korean construction company in Kuala Lumpur has taught me discipline and attention to the little details in engineering. The experience has helped me get a better idea of what my future holds and I can’t wait to start working!"
BEng (HONS) IN MECHANICAL ENGINEERING

SEGi UNIVERSITY

Mechanical Engineering is one of the oldest disciplines in engineering that covers a wide range of specialisations.

The BEng (Hons) in Mechanical Engineering at SEGi University is a broad industrial-driven degree programme, which equips you with the fundamentals of engineering and the technical skills required. The programme was designed to produce graduates who are able to address both technological and societal challenges in the field of mechanical engineering.

You will get to choose elective courses in the final year of your study, undertake a group integrated project in design as well as an individual research project in the area of your interest. The integration of mathematic and engineering learning will allow you to develop advanced knowledge of physics and materials science to mechanical design and manufacturing processes.

BEng (HONS) IN MECHANICAL ENGINEERING

BEng (HONS) ENGINEERING: MECHANICAL

SEGi UNIVERSITY & UNIVERSITY OF SUNDERLAND, UK

The Dual Award degree in collaboration with University of Sunderland offers identical modules with the SEGi homegrown degree in Mechanical Engineering. The Dual Award degree programme will be delivered at SEGi University, with joint involvement in the delivery and assessment by University of Sunderland.

Programme Modules

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Fundamental Engineering Mechanics</td>
<td>Engineering Statistics</td>
<td>Advanced Dynamics</td>
</tr>
<tr>
<td>Design I - Basic Skills</td>
<td>Fluids Engineering</td>
<td>Manufacturing Systems Design</td>
</tr>
<tr>
<td>Engineering Materials</td>
<td>Manufacturing Processing &amp; Technology</td>
<td>Advanced Fluid Mechanics</td>
</tr>
<tr>
<td>Fundamental Thermo-Fluids</td>
<td>Electrical and Electronic Circuits and Applications</td>
<td>Integrated Design Project I</td>
</tr>
<tr>
<td>Laboratory Investigations I</td>
<td>Laboratory Investigations III</td>
<td>Entrepreneurship Development</td>
</tr>
<tr>
<td>Materials under Stress</td>
<td>Computational and Numerical Analysis</td>
<td>Advanced Thermodynamics</td>
</tr>
<tr>
<td>Thermo-Fluids</td>
<td>Thermodynamics &amp; Heat Transfer</td>
<td>Electrical Machines and Motors</td>
</tr>
<tr>
<td>Laboratory Investigations II</td>
<td>Dynamics of Machine and Structures</td>
<td>Advanced Engineering Materials</td>
</tr>
<tr>
<td>Design II - Advanced Drawing Techniques</td>
<td>Design of Machine Elements</td>
<td>Integrated Design Project II</td>
</tr>
<tr>
<td>Engineering Mathematics II</td>
<td>Measurement and Instrumentation</td>
<td>Engineers and Society</td>
</tr>
<tr>
<td>Engineering Mechanics</td>
<td>Laboratory Investigations IV</td>
<td></td>
</tr>
</tbody>
</table>

** Elective courses

Career Opportunities

As graduates of the BEng (Hons) Mechanical Engineering, you will have the necessary skills and knowledge to play a major role in design, management and manufacturing in a wide range of industries.
At SEGi University, the BEng [Hons] in Electronic & Electrical Engineering programme is designed to develop students with the analytical skills, design expertise and practical applications to solve crucial engineering issues towards sustainable and affordable solutions. The area of electronic & electrical engineering is very broad and after 3 years of common study, the programme allows the students to focus on one of the following major areas:

**Electronic Engineering**
- Concerned primarily with solid state devices and integrated circuits to design systems that contribute to fields of communication, electronics, computers, VLSI, signal processing and other related areas.

**Electrical Engineering**
- Concerned mainly with designing, installation, manufacturing and control of electrical energy.

Students will undertake an integrated design project in Year 3 before embarking in the final year on an extensive design project of their own choosing. Students will be given options to select elective courses in Year 4 to specialise in their own area of interest.

The Dual Award degree in collaboration with University of Sunderland offers identical modules with the SEGi homegrown degree in Electronic & Electrical Engineering. The Dual Award degree programme will be delivered at SEGi University, with joint involvement in the delivery and assessment by University of Sunderland.

### Programme Modules

#### Year 1
- Engineering Mathematics I
- Circuits and Signals I
- Electronic Devices
- Electromagnetic I
- Engineering Drawing
- Laboratory Investigations I
- Engineering Mathematics II
- Circuits and Signals II
- Analogue Electronics I
- Communication System I
- Digital Electronics I
- Laboratory Investigations II

#### Year 2
- Engineering Statistics
- Programming in C++
- Analogue Electronics II
- Electromagnetic II
- Measurement and Instrumentation
- Laboratory Investigations III
- Computational and Numerical Analysis
- Digital Electronics II
- Control Systems
- Electrical Machines
- Microprocessor
- Laboratory Investigations IV

#### Year 3
- Electrical Power System
- Computer Architecture
- Environmental Management & Technology
- Research Methodology
- Communication System II
- Integrated Design Project I
- Embedded System
- Engineers and Society
- Project Management, Planning and Control
- Integrated Design Project II
- Digital Signal Processing
- Industrial Training

#### Year 4
- Final Year Project I
- Power Electronics and Drives
- PLC and SCADA
- Advanced Microprocessor (Electronic)**
- Advanced Electrical Power (Electrical)**
- Final Year Project II
- Energy Conversion
- Electronics Systems and VLSI Design (Electronic)**
- Design of Electrical and Protection Systems (Electrical)**

** Elective courses

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**Career Opportunities**

As graduates of the BEng [Hons] Electronic & Electrical Engineering programme, you will have a wide choice of career in sectors including: Automotive Industry, Aerospace, Power Generation and Communications.
**BEng (HONS) IN CIVIL ENGINEERING**
**SEGi UNIVERSITY & UNIVERSITY OF GREENWICH, UK**

Discover Civil Engineering at SEGi and be involved in all stages of development of the physically and naturally built infrastructure in our modern world.

The expertise in planning, design, construction and maintenance of civil engineering projects are highly demanded of civil engineers. This sets us to design intensive civil engineering classes and shape graduates to be highly skilled professionals that possess technical, managerial, organisational, financial, communication, research and critical analysis skills.

The BEng (Hons) in Civil Engineering is a broad industrial-driven degree programme, which equips you with the fundamentals of engineering and science with the technical skills and knowledge required – shaping you to be literate, highly numerate and competent in all aspects of civil engineering.

### Programme Modules

#### Year 1
- Engineering Mathematics I
- Statics and Dynamics
- Construction Materials
- Engineering Drawing
- Soil Mechanics I
- Engineering Mathematics II
- Programming Methodology & Problem Solving
- Fluid Mechanics
- Mechanics of Materials
- Engineering Survey

#### Year 2
- Construction Technology
- Engineering Statistics
- Structural Analysis I
- Hydraulics & Hydrology I
- Soil Mechanics II
- Construction Project Management
- Numerical Analysis
- Hydraulics & Hydrology II
- Conceptual Design
- Geotechnics

#### Year 3
- Design of Reinforced Concrete Structures I
- Highway Engineering
- Structural Analysis II
- Water Resources & Supply Engineering
- Design of Steel and Timber Structures
- Design of Reinforced Concrete Structures II
- Engineering Application and Analysis
- Engineers & Society
- Foundation Design
- Integrated Project
- Industrial Training

#### Year 4
- Environmental Management & Technology
- Entrepreneurship Development
- Traffic Engineering
- Project & Research Methodology
- Elective I
- Elective II
- Project

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The BEng in (Hons) Civil Engineering programme has given me great opportunity to pursue my career as a professional in the built environment industry. With well-balanced programme modules between the theory and technical aspect required by civil engineers. I am well equipped to make my mark on the world.

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**ALAN LAI POH HENG**

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**Career Opportunities**

As civil engineers, your career opportunities are vast and varied, depending on your area of specialisation and interest. Your potential employers include local and international consulting firms, construction companies and research institutions, as well as all levels in government.
BACHELOR OF ENVIRONMENTAL TECHNOLOGY (HONS)
SEGi UNIVERSITY

The health of the environment is up to us, thus environmental knowledge is an essential component in any kinds of developments. This programme is developed to produce graduates who are literate, competent in all environmental aspects while being able to develop creative solutions for environmental problems.

Students will be introduced to a wide range of environmental issues and threats the world is facing now. With the expanding needs of relevant expertise in rectifying the deteriorating environmental conditions today, this programme exposes students to the latest environmental technologies on wastewater treatment, air pollution control and solid waste treatment which will enable the students to contribute and work towards a greener environment.

Environmental sciences and management are also incorporated in this program, equipping the students with necessary scientific knowledge and managerial skill to execute environmental policies and plans in their future working places.

Programme Modules

<table>
<thead>
<tr>
<th>Year 1</th>
<th>Year 2</th>
<th>Year 3</th>
</tr>
</thead>
<tbody>
<tr>
<td>Introduction to Environment</td>
<td>Environmental Sampling Instrumentation and Analysis II</td>
<td>Environmental System Modeling</td>
</tr>
<tr>
<td>Numerical Methods and Statistics for</td>
<td>Environmental Management and Technology</td>
<td>Solid Waste Management Technology</td>
</tr>
<tr>
<td>Environmental Scientists and Technologists</td>
<td>Ecotoxicology</td>
<td>Wastewater Treatment Technology</td>
</tr>
<tr>
<td>Principles of Environmental Biology</td>
<td>Environmental Geographical Information</td>
<td>Final Year Project I</td>
</tr>
<tr>
<td>Principles of Environmental Physics</td>
<td>System</td>
<td>Business Ethics and Corporate</td>
</tr>
<tr>
<td>Population and Community Health</td>
<td>Hydrology</td>
<td>Responsibility</td>
</tr>
<tr>
<td>Principles of Environmental Chemistry</td>
<td>Industrial Training</td>
<td>Entrepreneurship and Leadership Skills</td>
</tr>
<tr>
<td>Ecology and Ecosystem</td>
<td>Project Management and Planning</td>
<td>and Development</td>
</tr>
<tr>
<td>Environmental Sampling Instrumentation and Analysis I</td>
<td>Environmental Impact Assessment</td>
<td>Hazardous Waste Management Technology</td>
</tr>
<tr>
<td>Introduction to Marine Sciences</td>
<td>Water Quality Management Technology</td>
<td>Environmental Remote Sensing</td>
</tr>
<tr>
<td>Energy and Environment</td>
<td>Air Pollution Control Technology</td>
<td>Elective I</td>
</tr>
<tr>
<td>Air Quality and Pollution</td>
<td>Hydrogeology</td>
<td>Elective II</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Final Year Project II</td>
</tr>
</tbody>
</table>

Most of our students undergo their industrial training programme at MULTINATIONAL ORGANISATIONS such as Gamuda MMC, Sunway Construction, WCT Construction and Petronas.

DID YOU KNOW?

Career Opportunities

This programme are vast and they vary depending on their area of interest. They can be employed by environmental consulting firms or any other industries which need expertise in environmental quality control and management. They can also be self-employed, providing consultation and environmental solutions to industries, research institutions as well as all levels of governmental agencies that need advice on environmental issues.
With the BSc (Hons) Quantity Surveying programme, we aim to empower you with academic and practical knowledge with relevant soft skills in Quantity Surveying, grooming you to respond to high demands of qualified and competent quantity surveyors by the local as well as international construction industry.

Understanding the roles of a Quantity Surveyor requires a combination of technical, economic, legal and managerial skills in every stage of the construction and development process. This stretches from the project brief issued to the lead consultant through all the design and planning stages to the construction, completion, occupation and maintenance of the facilities.

As graduates of this programme, you’ll be empowered to:

- Demonstrate accurate techniques and skills of measurement, quantification and cost estimation in construction projects.
- Apply knowledge of economics, building constructions, maintenance and services related to quantity surveying areas.
- Understand and apply the relevant laws, procedures, procurements and dispute resolutions when handling projects.
- Demonstrate good knowledge and analytical skills, problem-solving and communication with relevant soft skills.
- Participate in project management, financial management, entrepreneurship and current construction issues in the area of quantity surveying.
- Practice professional and ethical responsibilities in quantity surveying; as well as conduct further research and development activities to retain a professional membership status in quantity surveying (Sr.) or related disciplines.

Programme Modules

**Year 1**
- Building Construction I
- Construction Materials
- Management of Built Environment
- Basic Architectural and Engineering Design
- Building Services I
- Engineering Drawing
- Building Construction II
- Building Services II
- Introduction to Measurement of Building Works
- Construction Law
- Geomatic Engineering
- Principle of Economics

**Year 2**
- Quantity Surveying Practice I
- Measurement of Building Works I
- Construction Contract Law
- Construction and Project Management
- Tendering and Estimating
- Measurement of Building Works II
- Quantity Surveying Practice II
- Construction Contract Administration
- Building Economics
- Civil and Infrastructures Construction Works
- Business and Professional Ethics
- Entrepreneurship
- Environmental Management & Technology

**Year 3**
- Measurement of Civil Engineering Works
- Information Computer Technology (ICT)
- Data Analysis and Statistic
- Dissertation I
- Academic Research
- Integrated Project
- Development Economics
- Value Engineering and Management
- Dissertation II
- Project Financial Management
- Industrial Training

**INTERESTING FACT**

Our appointed Industrial Advisory panel members are from **REPUTABLE ORGANISATIONS SUCH AS AECOM, DAIKIN MALAYSIA, NORMAN DISNEY AND YOUNG AND BINA PURI.**

**Career Opportunities**

Quantity Surveyor, Contract and Cost Administrator, Property and Commercial Executive, Procurement Advisor & Contract Executive / Project Executive are just some of the possible employment prospects for QS graduates.
BEng (HONS) IN CHEMICAL ENGINEERING
SEGi UNIVERSITY

The growth of industries drives the need of chemicals to create and manufacture a wide variety of products, thus keeping Chemical Engineers in constant demand. Typical chemical products such as fertilizers, cosmetics, pharmaceutical, oil and gas, petrochemicals and advance materials.

The rise of green initiatives such as bio-based chemical manufacturing and energy sustainability, also provides opportunities for Chemical Engineers in these emerging areas. The chemical and environmental engineering industry continues to grow as the dwindling supply of natural resources and pollution control technologies for sustainable development have markedly increased.

This Chemical Engineering programme is designed to produce stellar Chemical Engineers who are capable of contributing knowledge both to the industry and society. Through our programme, students will be able to demonstrate their analytical, deductive reasoning, and problem-solving skills in designing problems and formulating solutions based on a systematic approach. This programme will also equip student to conduct research and interpret the outcomes, among many other qualities instilled through the degree programme.

Programme Modules

** Year 1**
- Mass and Energy Balance
- Physical and Organic Chemistry
- Engineering Mathematics I
- Engineering Drawing
- Material Science
- Chemical Engineering Laboratory I
- Fluid Mechanics
- Thermodynamics
- Strength of Materials
- Engineering Mathematics II
- Project Year I
- Chemical Engineering Laboratory II
- Hubungan Etnik / Bahasa Melayu Komunikasi 2
- Pengurusan Ko-Kurikulum
- Malaysian Studies 3
- Effective Listening
- Personal Health Management

** Year 2**
- Heat and Mass Transfer
- Separation Processes I
- Numerical Analysis
- Computer Aided Chemical Engineering
- Electrical Technology
- Chemical Engineering Laboratory III
- Chemical Engineering Thermodynamics
- Particle Technology
- Separation Processes II
- Engineers and Society
- Chemical Engineering Laboratory IV
- Project Year II

** Year 3**
- Process Control and Instrumentation
- Separation Processes III
- Chemical Reaction Engineering
- Environmental Management and Technology
- Chemical Engineering Laboratory V
- Biochemical Engineering Principle
- Chemical Process Safety
- Project Management and Economics
- Engineering Statistics
- Industrial Training
- Project Year III

** Year 4**
- Process and Plant Design
- Transport Phenomena
- Entrepreneurship Development
- Design Project I
- Research Methodology
- Bio-Separation: Recovery Processes (Biochemical Engineering)*
- OR Water and Wastewater Engineering (Environmental Engineering)*
- Chemical Process Safety
- Environmental Management and Technology
- Engineers and Society
- Chemical Engineering Laboratory IV
- Fuel and Energy Utilisation
- Research Project
- Design Project II
- Bioreactor Engineering Design (Biochemical Engineering)*
- OR Solid Waste Engineering (Environmental Engineering)*
- Bio-Separation: Recovery Processes (Biochemical Engineering)*
- OR Water and Wastewater Engineering (Environmental Engineering)*

** Elective courses**

Career Opportunities
As Chemical Engineers, you’ll have exciting career opportunities in areas including: Chemical and allied products, environmental engineering, contracting, oil and gas, consultancy, pharmaceutical, energy, water, food and beverage, materials and design.
DIPLOMA IN ELECTRONIC & ELECTRICAL ENGINEERING

The Diploma in Electronic & Electrical Engineering programme covers a broad-based suite of electronic and electrical engineering modules, ensuring you are equipped with the necessary skills, knowledge and expertise to face challenges across a wide range of electrical and electronic industries.

Programme Modules

<table>
<thead>
<tr>
<th>Foundation</th>
<th>Power</th>
<th>Communication</th>
</tr>
</thead>
<tbody>
<tr>
<td>Foundation Mathematics</td>
<td>Electric Machines</td>
<td>Electromagnetic Field</td>
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<tr>
<td>Foundation Physics</td>
<td>Power Systems/Malaysian Studies</td>
<td>Communication Systems</td>
</tr>
<tr>
<td>Foundation Chemistry</td>
<td>Bahasa Malaysia</td>
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</tr>
<tr>
<td>Computer Application</td>
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</tbody>
</table>

<table>
<thead>
<tr>
<th>Software</th>
<th>Electronic</th>
<th>Basics Of Electrical &amp; Electronic Engineering</th>
</tr>
</thead>
<tbody>
<tr>
<td>English</td>
<td>Circuit Theory and Signals</td>
<td>Programming Methodology and Problem-Solving</td>
</tr>
<tr>
<td>Engineering Communication and Case Studies</td>
<td>Solid State Devices</td>
<td>Engineering Drawing</td>
</tr>
<tr>
<td>Industrial Training</td>
<td>Digital Electronics</td>
<td>Engineering Maths</td>
</tr>
<tr>
<td>Malaysian Studies</td>
<td>Analogue Electronics</td>
<td>Principles of Electrical and Electronic</td>
</tr>
<tr>
<td>Decision Making Skills</td>
<td>Microprocessors</td>
<td>Engineering</td>
</tr>
<tr>
<td>Moral Studies / Islamic Studies</td>
<td>Microelectronics</td>
<td>Engineering</td>
</tr>
<tr>
<td>Community Service</td>
<td></td>
<td>Engineering</td>
</tr>
</tbody>
</table>

Control

- Instrumentation and Measurement
- Control Systems
- Industrial Electronics

The dedicated lecturers at SEGi have provided me guidance throughout my journey from Diploma to Degree. The qualification I obtained has served as a key to open doors of career opportunities and I can fully apply the skills I learned in classrooms to the real world. Thanks to SEGi, I am excited to fulfil my potential in the engineering world.

SATHESHKUMAR

Career Opportunities

As graduates of the Diploma in Electronic & Electrical Engineering, you are able to pursue a variety of job roles. Possible job titles relevant to this qualification include: Electrical Engineering Technical Officer, Technologist, Design Specialist, Assistant Engineer.
The mechanical engineering industry comprise of a range of occupations involving the design, production and service of machinery, equipment, tools and mechanical systems.

The Diploma in Mechanical Engineering provides you with a solid foundation in mechanical engineering. As graduates of this diploma, you possess a broad understanding of engineering fundamentals, preparing for studies at Degree level as well as working in industry. You will have the skills and knowledge to apply analytical, design, industrial, laboratory, and or fieldwork skills.

**Programme Modules**

### Foundation
- Foundation Mathematics
- Foundation Physics
- Foundation Chemistry
- Computer Application

### Thermo-fluid and Heat
- Fluid Mechanics
- Thermodynamics
- Heat Transfer

### Manufacturing
- Manufacturing Processes
- Industrial Management

### Soft Skills
- Engineering Communication and Case Studies
- Industrial Training
- Malaysian Studies
- Decision Making Skills
- Moral Studies / Islamic Studies
- Community Service

### Basics of Mechanical Engineering
- Programming Methodology and Problem Solving
- Engineering Mathematics
- Principles of Electrical and Electronic Engineering
- Engineering Mechanics
- Dynamics
- Mechanical Engineering Practice

### Design
- Engineering Drawing
- Design of Machine Element

### Materials
- Material Science
- Mechanics of Materials

### HAVE YOU HEARD?

Our Bachelor in Chemical Engineering programme is globally **RECOGNISED VIA THE WASHINGTON ACCORD (AN INTERNATIONAL AGREEMENT RESPONSIBLE FOR ACCREDITING ENGINEERING PROGRAMMES)**, and thus making our graduates employable in developed countries such as the US, UK, Australia, Canada and Japan.
The Foundation in Science programme is designed to equip students with the knowledge and skills needed to meet the demands of undergraduate study and bridge the transition from secondary studies to a university degree in a variety of science and technology related fields. Upon completion of this one-year science-oriented foundation programme, students are guaranteed entry into science and technology degree programmes from top-notch universities in UK offered in partnership with SEGi.

Programme Modules

<table>
<thead>
<tr>
<th>Semester 1</th>
<th>Semester 2</th>
<th>Semester 3</th>
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</thead>
<tbody>
<tr>
<td>Mathematics 1</td>
<td>Mathematics 2</td>
<td>Chemistry 3</td>
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<tr>
<td>Physics 1</td>
<td>Physics 2</td>
<td>Mathematics 3</td>
</tr>
<tr>
<td>Chemistry 1</td>
<td>Chemistry 2</td>
<td>Physics 3</td>
</tr>
<tr>
<td>Pengajian Malaysia 1</td>
<td>Effective Listening</td>
<td>Family Issues</td>
</tr>
<tr>
<td>Bahasa Melayu Communikasi (Int)</td>
<td>Information Technology / Biology 2</td>
<td></td>
</tr>
<tr>
<td>Computer Application / Biology 1</td>
<td></td>
<td></td>
</tr>
</tbody>
</table>

“Studying in SEGi is the best choice I’ve ever made. There are many financial assistance options to choose from and I am worry-free while studying!”

CHEW SHO YIN

Career Opportunities

This qualification is specially designed for students with SPM, O-Level or equivalent qualifications and who have decided to pursue a career in science or technology. Upon successful completion of the SEGi Foundation in Science programme, students can venture into a range of Science degree programmes and, depending on units completed during their studies, students may be eligible to apply for advanced standing.
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