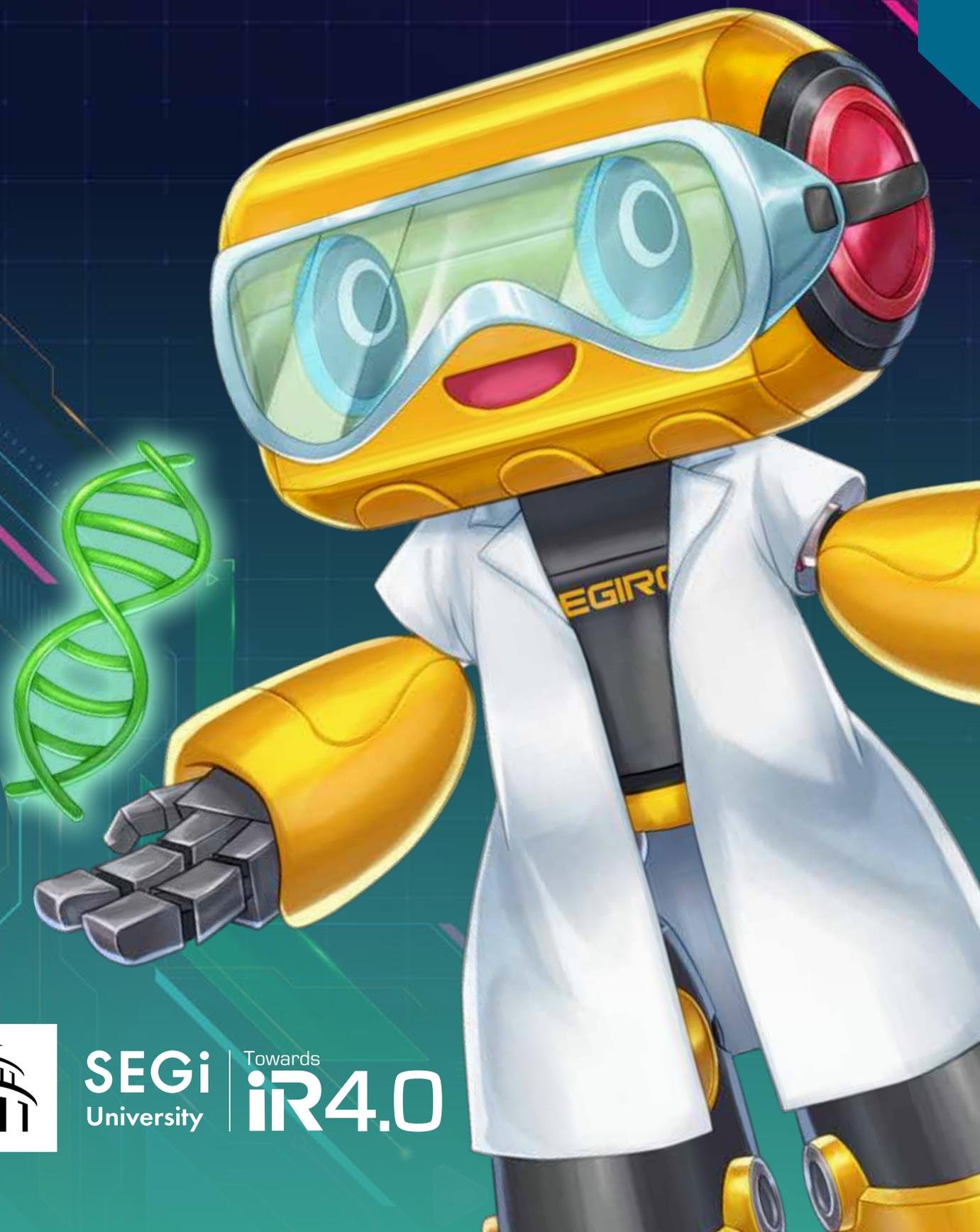


BIOMEDICAL SCIENCE

SEGi UNIVERSITY



SEGi
University

Towards

iR4.0

INTRODUCTION TO SEGi UNIVERSITY

SEGi was established in 1977 as Systematic College in the heart of Kuala Lumpur offering professional qualifications. Since its founding over four decades ago, SEGi has undergone significant growth, strengthening the quality of its wide range of programmes from foundation to doctorate level.

It is one of the most established private higher education institutions in Malaysia with its flagship campus located in Kota Damansara and four other campuses in Subang Jaya, Kuala Lumpur, Penang, and Kuching. Currently, SEGi has a population of 20,000 local and international students across its campuses.

SEGi is recognised as “The first Malaysian University that earned 5 Stars for Prioritising Society’s Needs in Malaysia” by QS Stars, an international evaluation system for universities based on auditing.



Towards

iR4.0

IR4.0 IN A NUTSHELL

The IR4.0 has a big impact on the local economy and community as it changes the job market, which in turn, changes the human capital's qualification requirements. The new-age industries require human capital with relevant and adequate digital and data literacy.

Global data point towards major shifts in perceptions and hiring trends. A study by McKinsey Global Institute shows that one-fifth of the global workforce will be impacted by the adoption of AI and automation. Similarly, another study by Cisco and Oxford Economics found that emerging technologies have the capacity to change 28 million jobs in ASEAN alone.

SEGi's 4R APPROACH

SEGi has taken a calculated view of the new market and has set a strategic direction to achieve its goal of becoming a leading IR4.0 institution. Guided by the drive "Towards IR4.0", we have recognised four thrusts to drive the institution forward.

REIMAGINE possibilities

Increasing the employability and marketability of graduates through the creation of new jobs and roles to meet tomorrow's industry needs.

RECOGNISE your potential

Unleashing the true nature of graduates and their ability to touch lives and make a significant impact on the community

REDEFINE your future

Imbibing the idea of change as the only constant and creating a sustainable future through qualifications that matter

REVOLUTIONISE the market

Introducing innovative programmes that are in tandem with the market's growth and direction

AT A GLANCE

GLOBAL RECOGNITION

- Emerged in the top 45% of the 2021 QS World University Rankings: Asia
- Double Awards from Top 3.3% of Universities Worldwide (The Centre for World University Rankings 2017 (CWUR) University of Central Lancashire (UCLAN)
- MQA Fully-Accredited Programmes
- 2017 QS Overall 3-star rating with 5-star rating in teaching, facilities, social responsibility, and inclusiveness

SKILLS ENRICHMENT & SUPPORT

- More than 100 SEGi Enrichment Programmes in the areas of leadership, communication, and grooming skills (among others) to enhance students' learning experience
- Academic Skills Unit to assist students in academic writing and effective study, research techniques, time management, academic integrity, and exam preparation
- Mentor-Mentee system to provide guidance to students on academic matters and to foster a close and constructive professional relationship between students and lecturers

EXCELLENT TEACHING, LEARNING & RESEARCH

- SETARA 2018/2019 5-star rating for SEGi University in the Emerging Universities (Universities which have been established within the last 15 years) category
- QS 5 Stars Rated for Excellence in Teaching
- QS 5 Stars Rated for Facilities
- SETARA, 2017 scored above medium of 83 in the category of Teaching and Learning
- Independent students' 2017 evaluation rating: more than 95% of students rated our lecturers for excellence in teaching
- Student to academic staff ratio 21:1, based on SETARA (2017)
- Research-led environment

GLOBALLY RECOGNISED,
DISTINCTIVELY SEGi.

OUR 6 COMPETITIVE ADVANTAGES

SCHOLARSHIPS

- 1st Malaysian University that earned 5 Stars for Prioritising Society's Needs in Malaysia (by QS Stars)
- Over RM100 million worth of Group scholarships awarded in the past 40 over years
- QS 5 Stars rated for inclusiveness and social responsibility

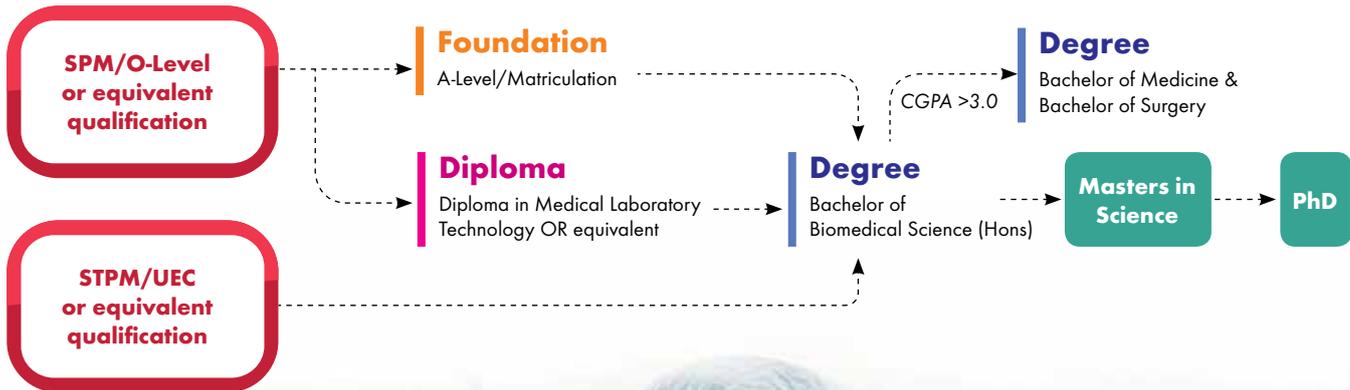
STUDENT SATISFACTION

- 80% of students are willing to recommend their friends and family to study with us

INDUSTRY DRIVEN GRADUATES

- 2017 SETARA Graduate Employability 85%

PATHWAY TO BACHELOR OF BIOMEDICAL SCIENCE (HONS) AT SEGi UNIVERSITY



TOP-NOTCH RESOURCES FOR A QUALITY LEARNING EXPERIENCE

STUDENT-CENTERED LEARNING APPROACH

We place a strong emphasis on students' interest to foster the development of skills for problem solving, critical thinking, and communication as we try to shape students to become lifelong learners.

EXPERIENCED ACADEMICIAN

We pride ourselves on having a team of academicians who are not only highly qualified, but also experienced in academia and are readily approachable to assist students in all aspect of learning.

RESEARCH-BASED PROGRAMME

The programme places a strong emphasis on research that form the basis of research productivity. Students who are inclined towards health science research will benefit from the opportunity.

MENTORING

We adopt an innovative approach that utilises enhanced reflection portfolio for affective domain assessment. It is augmented with regular sessions of mentoring activities with our students.

OUR LABORATORIES

Our labs (e.g., Power Lab, Anatomy Dissection Hall, and Multi-disciplinary Lab) offer the best instrument and equipment (e.g., Electrocardiogram, Cardiac Stress Test equipment, and mannequin) to familiarise students with laboratories operation and improve their understanding on laboratory techniques and laboratory results analysis.

INDUSTRIAL TRAINING

We offer at least 6 months industrial training in selected relevant industries. Opportunities are aplenty in hospitals and diagnostic laboratories.

BACHELOR OF BIOMEDICAL SCIENCE (HONS)

SEGi UNIVERSITY

The Bachelor of Biomedical Science (Hons) offered at SEGi University is a 3-year programme which is in-line with the National Higher Education Strategic Plan to produce a desirable percentage of scientists and researchers in Malaysia.

The programme encompasses the study of medical sciences which includes anatomy, physiology, human genetics and genomics, medical biochemistry, medical microbiology, medical immunology, diagnostic pathology, pharmacology, laboratory management, and others. In the programme, students will also undertake research project, industrial training, and study technology in medical methods and equipment. The personal development programme included in this programme such as communication skills, the study of psychology and behavioural sciences, entrepreneurial skills, and business ethics will further enhance the students with the skills and knowledge needed for the new and challenging world.

The BBMS graduates of SEGi University will not only fulfill the nation needs for scientists and researchers but they are also highly trained skilled graduates with the technical know-how in medical sciences technology and knowledge. Upon completion of the programme, the University will produce students with skills and talents in diagnostic, analytical, managerial, and research competencies.

With the strategic learning methods and experiences adopted by SEGi University, graduates are equipped with competencies required to seek employment in various industries of choice. These include pharmaceutical companies, hospitals, community health centres, biotechnology companies, universities, research institutes, laboratories, medical/clinical diagnostics laboratories, blood banks, education industries, and many more.

Programme Modules

- Human Anatomy & Physiology
- Medical Biochemistry
- Medical Microbiology
- Haematology
- Transfusion Science & Blood Banking
- Biostatistics
- Medical Parasitology and Entomology
- Human Genetics and Genomics
- Fundamentals of Health Informatics
- Diagnostic Pathology
- Medical Immunology
- Epidemiology & Public Health
- Pharmacology
- Forensic Toxicology
- Communication Skills
- Psychology and Behavioral Science
- Laboratory Management
- Business Ethics
- Entrepreneurship
- Clinical Diagnostic Technology
- Molecular Biology Technology
- Intellectual Properties, Bioethics, Biosafety and Biosecurity
- Research Methodology
- Research Project
- Biomedical Science Laboratories Placement
- Industrial Training

Career Opportunities

- Biomedical Scientist
- Research Scientist
- Scientific Journalist
- Health Informatician
- Bioinformatician
- Patent Advisor
- Clinical Biochemist
- Clinical Cytogeneticist
- Immunologist
- Microbiologist
- Toxicologist
- Science Officer
- Medical Underwriter
- Academician
- Medical Device Sales Consultant
- Medical Product Specialist
- Medical Product Consultant
- Other Healthcare Industry

N/721/6/0048 KD CAMPUS

ENTRY REQUIREMENTS

- Obtain MUET Band 3 or IELTS 5.5/TOEFL 550 AND
 - i) Pass Matriculation/Pre-University/STPM or its equivalent with a minimum CGPA of 2.33 in any TWO of the following subjects:
 - Biology • Physics/Mathematics • Chemistry **OR**
 - ii) United Education Certificate (UEC) with minimum GRADE B in 5 subjects which include the following subjects:
 - Biology/Physics AND Chemistry **OR**
 - iii) A-Level or its equivalent with minimum GRADE D in any TWO of the following subjects:
 - Biology • Physics/Mathematics • Chemistry **OR**
 - iv) Recognised diploma with a minimum CGPA of 2.75 in related field **OR**
 - v) Recognised diploma with CGPA less than 2.75 in related field and a minimum of 3 years (36 months) working experience in related field

Intake Dates

May & September

Duration

3 years



STUDENT TESTIMONIALS



"I've always enjoyed gaining more knowledge and I love that science is like a never-ending puzzle that you can continue to solve and it gets more exciting over time. The programme itself is well organised and the staff/lecturers are friendly."

Nur Nazirah Nasir
BBMS



"I joined the BBMS Programme in SEGi because the lecturers are good and their teaching methods are easy to understand. I'm able to achieve distinction when I put more efforts and pay more attention in class. I enjoy the facilities here especially the library which contains a good collection of reference books. It is fun and enjoyable to study this course and I believe this programme will provide me with diverse job opportunities in the future."

Joel Banner
BBMS



"The programme is interesting and thoroughly thought-out, with excellent lecturers. The syllabus, subjects, and facilities provided are better compared to other universities. The learning environment that SEGi provides to the students is amazing. The laboratories are fully equipped. SEGi is indeed a nice place to study in because SEGiians from all over the world make me feel welcomed."

Annabelle Rita Clothilde
BBMS



"I feel convenient and comfortable to study at SEGi. SEGi has provided me the best study environment. The lecturers here are helpful. Overall, it is a good experience for me being in SEGi."

Loshni A/P Thanabalan
BBMS



"The reason I chose SEGi is because I feel the warmth of the people here. The lecturers and staff make me feel at home: SEGiians encourage me. I always believe that no matter how much hardship I have to go through, SEGi will always show me the way."

Jerusha Alethia A/P Francis Xavier
BBMS

segiuniversity.edu.my



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POSSIBLE

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