SENTRAL
COLLEGE PENANG

COMPUTING & INFORMATION TECHNOLOGY

Certificate in Business Information Technology
Diploma in Computer Systems Technology
BSc. (Hons) Software Engineering 3+0

COMPUTING & INFORMATION TECHNOLOGY

Technological progress is the driving force behind economic growth, citizen engagement and job creation. Information and Communication Technology (ICT) in particular is reshaping many aspects of the world's economy and society atlarge. Businesses can harness the transformative power of ICT to provide more efficient services, catalyst economic growth and strengthen social network.

SENTRAL College Penang is committed to continuously improve the delivery of ICT to equip students to be literate lifelong learners and global citizens of the 21st century.

"TECHNOLOGY"
THE NEXT GENERATION OF BIG BUSINESS.

University of Salford
United Kingdom

The University of Salford, Manchester has over 100 years of history and experience from its humble beginning in the 19th Century during the great Industrial Revolution. The University College Salford and the University of Salford finally merged into a single institution in 1996 – precisely 100 years after the formation of the original Royal Technical Institute. Today the University has a thriving global presence and a turnover of £189m. With a total of 7 schools, 20,000 students and 2,500 staff the University serves the needs of industry, commerce and education.
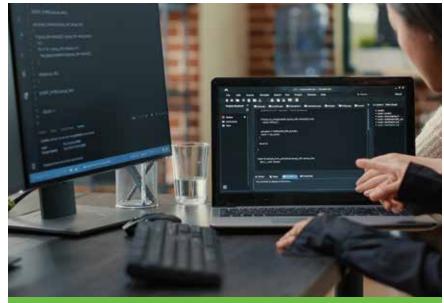
TOP-NOTCH CAMPUS FACILITIES

ONLINE COMPUTER ROOMS

As technology continues to expand, the College offers well-equipped networked computer laboratories on the IT floor for all its IT related subjects.

The smaller labs accommodate 20 terminals at minimum while larger labs accommodate up to 42 terminals.

EQUIPED STUDENTS TO BE LITERATE LIFELONG LEARNERS

OPEN-LAB

The College aims to provide a service that fully supports its students in their studies.

The Open Lab at Level 11 is freely accessible to students to conduct their research, write assignments and discuss and complete projects.

WORKING IN PARTNERSHIP WITH

JABIL

PLEXUS

ViTrox

The Library

The Library offers a wide selection of resources and learning materials for all students and staff for reference and borrowing. Located at Level 11, it provides a conducive ambience for learning. The private discussion room within the Library offers a place for students to discuss, plan and write their assignments.

THEATRE ROOM

The Theatre Room 1 at Level 9 seats 38 in comfort while Theatre Room 2 at Level 11 has 30 seats. Each Theater Room is equipped with LCD projector, motorize screen, sound system, dimmer switch and power outlet at every seat.

SENTRAL FITNESS CENTRE

The College is committed to produce wholesome graduates who excel academically as well as be fit physically. The gymnasium at Level 8 gives the students an opportunity to make healthy lifestyle choices for achieving their maximum potential.

CERTIFICATE IN BUSINESS INFORMATION TECHNOLOGY

Awarded by
SENTRAL COLLEGE PENANG

JPT/BPP(K)1000- 600/P712 Jld.4(1) (FA 2666) 3/23

Gain a new set of insights and competencies in the dynamic world of IT and business!

The development and rapidly-changing business world require multi-talented professionals in its management and information systems departments. In the wake of globalization, organisations are fast automating their business processes and systems. In meeting those demands, the Certificate equips you with the fundamental knowledge on IT and Business as well as IT in Business; essentially leading the way to nurture you into an array of innovative professions in the Business and IT industries.

This certificate equips you with a good foundation in IT and relevant knowledge and skills in business studies. Its broad curriculum covers updated IT knowledge which is tested through practical assessments in class. This certificate is a good stepping stone for one to pursue his/her diploma studies and eventually move on to degree.

PROGRAMME STRUCTURE

- Bahasa Kebangsaan A/B
- Pendidikan Moral/ Pengajian Islam
- Pengajian Malaysia
- Basic English
- Mathematics
- Computer Applications Skills
- Basic Economics
- Basic Statistics
- Personal Development and Leadership
- Fundamentals of Business and Management
- Introduction to Computer Systems
- Business Accounting
- Communication Skills
- Marketing Essentials
- Desktop Publishing
- Introduction to Management Accounting
- Website Development
- Introduction to Organizational Behaviour
- Introduction to Database
- Introduction to Programming
- Community Service

ENTRY REQUIREMENTS

- Pass SPM/SPMV/O-Level with a minimum of 1 credit and a pass in Mathematics; or
- Pass UEC with at least grade B in 1 subject and a pass in Mathematics; or
- Other equivalent qualification recognized by Malaysian Government

STUDY PATHWAY/ CAREER OPPORTUNITIES

Graduates can progress into any related Diploma programmes such as the Diploma in Business Studies, Diploma in Computer Systems Technology and Diploma in Accounting offered at SENTRAL. They can also pursue any related Diploma programmes offered by Malaysian, Australian and UK universities or colleges.

For those who are keen to embark on their careers, they can consider joining the following functions or field of work:

- Finance and Banking
- Hotel and Hospitality
- Administration / management
- Production / operations
- Supply Chain / Warehousing

- Retailing / Merchandising
- IT Technical Support / Technician
- Marketing and Promotions
- Legal Administration

DURATION

- 1 Year 5 Months

INTAKES

- January • April • June • August • October

DIPLOMA IN COMPUTER SYSTEMS TECHNOLOGY

Awarded by
SENTRAL COLLEGE PENANG

JPT/BPP(K)1000- 600/P712 Jld.3(22) (FA 2665) 3/23

With the growth in today's business world and handling of data, it has become more vital for one to possess sound knowledge of IT. This Diploma not only provides you an extensive competence in the world of computer science and IT, but it also develops your critical thinking, problem solving and communication skills, hence enhancing your ability to provide effective and efficient Computing and IT services and solutions to various organisations across varied industries.

The versatility of skills acquired from the Diploma has enabled our students to move onto careers in the world of IT. Our history and track record will testify that our graduates have either gained employment in reputable organizations and MNCs or have used this qualification as advanced entry into the second year of relevant Bachelor's degree programme.

PROGRAMME STRUCTURE

• Computer Applications
• Computer System Fundamentals
• Introduction to Programming
• Academic English
• Bahasa Kebangsaan A/ Etika Professional
• Calculus and Algebra
• Introduction to Multimedia
• Human Computer Interaction
• Database Management System
• Windows Operating System
• Object Oriented Programming
• Pengajian Malaysia
• System Analysis & Design
• Enterprise Application Development
• Data Structures & Algorithms
• Elective 1
• Web Design
• Introduction to Networking
• Linux Operating System
• Project Management
• Web Development
• Elective 2
• Final Project
• Community Service
• Fundamental of Life Long Learning
• Practical Training

DURATION

• 2 Years 4 Months

ENTRY REQUIREMENTS

• Passed SPM/SPMV/O-Level with a minimum of 3 credits including Mathematics; or
• Passed UEC with at least a grade B in 3 subjects including Mathematics; or
• Possess SKM Level 3 and a credit in Mathematics at SPM level or its equivalent; or
• MOE/MQA Recognized Certificate in a related field, or other equivalent qualifications

ELECTIVE MODULES

Elective 1 - Introduction to E-Commerce
Elective 2 - Introduction to Mobile Programming

INTAKES

• January
• April
• June
• August
• October

STUDY PATHWAY/ CAREER OPPORTUNITIES

Graduates can progress into the second year of a 3+0 degree programme currently offered at SENTRAL or any other relevant degree programme in Malaysian, Australian or UK universities.

Employment opportunities are abundant in government or private organizations in the following fields or area:

• Enterprise Application Programmer • IT Officer
• Enterprise Web Developer
• Technical Support Assistant
• Database Administrator • System Administrator
• Network Engineer
• Project Manager

PROGRAMME STRUCTURE

BSC. (HONS) SOFTWARE ENGINEERING 3+0

University of Salford MANCHESTER

Awarded by
UNIVERSITY OF SALFORD

JPT/BPP(K)1000- 600P712 Jld.5(12) (PA 15233) 5/29

Software systems are at the centre and heart of our daily lives. This includes commerce, industry, healthcare and communications. With organizations of all sizes seeking talented professionals to create software systems that are usable, robust and maintainable, there is no better time than now to study software engineering at SENTRAL College Penang.

The BSc (Hons) Software Engineering 3+0 programme is designed to develop in-depth knowledge and understanding of software specification, design, implementation and deployment using software development methodologies. It will equip students with advanced computing knowledge and a hands-on ethos, so the graduates are ready to build a successful and lucrative career in programming and software development. This degree is awarded by the University of Salford, which received a Royal Charter in 1967 from Her Majesty the Queen. The University is fully recognized by the British government.

PROGRAMME STRUCTURE

YEAR 1
- MPU
- Computer System Internals and Linux
- Database Systems
- Programming 1
- Academic English
- Computer Applications
- Mathematics for Computing
- MPU
- Professional Development & Practices
- Web Development and HCI
- Programming 2

YEAR 2
- MPU
- Career Development
- Client Server Systems
- Design Patterns
- Data Structures and Algorithms
- MPU
- Digital Marketing Innovation
- Elective 1
- Networking and Security
- Software Projects with Agile Techniques
- Software Evolution

YEAR 3
- MPU
- Dependable Software Engineering
- Information Security Management
- Project for SE
- Elective 2
- Business Management
- Software Quality Management
- Elective 3
- Industrial Training

ELECTIVE PAPERS
- Introduction to Big Data
- Internet of Things
- Cloud Computing

MPU SUBJECTS
- Penghayatan Etika dan Peradaban
- Falsafah dan Isu Semasa
- Youth Development
- Environmental Management
- Socio-Economic Engagement

INTAKES
- June • August

ENTRY REQUIREMENTS

- Pass the Matriculation program or Foundation or equivalent to a minimum CGPA of 2.00 or pass STPM or equivalent to a minimum grade of C (GPA 2.00) in any of the 2 subjects and credit in the following subjects at SPM level or equivalent:
  (a) Additional Mathematics; or
  (b) Mathematics and one of the subjects of Science, Technology or Engineering. or
- Passed STPM in Science or equivalent, with a minimum of Grade C (GPA 2.00) in one subject of Mathematics and one subject of Science / ICT; or
- Diploma in Computer Science OR Software Engineering OR Information Technology OR Information System or equivalent to a minimum CGPA of 2.50 and a credit in Additional Mathematics at SPM level or its equivalent; or
- Any Diploma in Science and Technology (Level 4, MQF) with a minimum CGPA of 2.75.

CAREER OPPORTUNITIES

- Software/Application Engineer
- Software Project Engineer
- Systems Analyst, Systems Engineer
- Software Quality Engineer
- Software Configuration Engineer
- Software Architect
- Software Process Engineer
- Software Test Engineer
- Software Maintainer
- Academician
- Researcher
- Software Designer
- Web Developer
- Mobile Developer

SENTRAL'S MERIT SCHOLARSHIP

The scholarship awarded is based on academic merits. The students submit the scholarship form with supporting documents to confirm their academic achievements. This scholarship is applicable to selected programmes at SENTRAL College Penang.

Diploma Programmes:

SPM	Entitlement
9A's / Above	100% Tuition Fee Waiver
8A's	50% Tuition Fee Waiver
7A's	40% Tuition Fee Waiver
6A's	30% Tuition Fee Waiver
5A's	15% Tuition Fee Waiver
4A's	15% Tuition Fee Waiver

*Terms and conditions apply/ Subject to change without prior notice

Degree Programmes:

Diploma/ STPM	A-Levels/ UEC	Entitlement
CGPA ≥ 3.50	2A's	30% Tuition Fee Waiver
CGPA ≥ 3.00	1A	20% Tuition Fee Waiver

*Terms and conditions apply/ Subject to change without prior notice

Recognition of Distinction:

MyQUEST BERDAYA SAING COMPETITIVE

PEEAM 2021

NAPEI RECOGNISING EXCELLENCE
NAPEI EDUCATION EXCELLENCE AWARD
NATIONAL ASSOCIATION OF PRIVATE EDUCATIONAL INSTITUTIONS

星洲教育奖 Sin Chew Education Awards

Member of StudyPENANG:

STUDY PENANG

A College Certified by:

QUALITY MANAGEMENT
ECAAS ISO 9001 CERTIFIED

Contact Us

College Location

SENTRAL COLLEGE PENANG DK197(P)
Menara SENTRAL, 3 Penang Street, 10200 Penang.

☏ 604 262 1888   ⊜ 604 263 6368
✆ 0111 0937 968

🌐 sentral.edu.my
f SENTRAL College Penang

Opening Hours

Monday - Friday:
9:00 a.m. - 7:00 p.m.
Saturday:
9:00 a.m. - 5:00 p.m.
Sunday :
10:00 a.m. - 4:00 p.m.

*Closed on Public Holidays