

UNIVERSITI
TENAGA
NASIONAL



The Energy University

UNITEN POSTGRADUATE PROSPECTUS



uniten.edu.my

YOU'RE
ONE STEP
CLOSER TO
SOARING
HIGHER

The image features a dark blue background with the text 'YOU'RE ONE STEP CLOSER TO SOARING HIGHER' in large, white, bold, sans-serif capital letters. Each letter is filled with a different photograph of people in professional or business environments. For example, the 'O' in 'CLOSER' shows a woman smiling, the 'A' in 'SOARING' shows a high-five, and the 'H' in 'HIGHER' shows a handshake. The overall message is one of progress and achievement.

Contents

Meet UNITEN	2
College of Graduate Studies (COGS)	4
At a Glance	6
A University Like No Other	8
Cultivating Excellence	10
Research Chairs	12
Innovating the Future of Energy (NEC)	14
Research Institutes	16
Our Successful Alumni	18
Industry Advisory Panel	22
Industry Guest Lecture	24
Our Programmes	26
College of Computing and Informatics (CCI)	28
College of Engineering (COE)	34
UNITEN Business School (UBS)	42
Future Proof Your Career	52
Your Support Network	54
Sporting Facilities	56
In the Heart of Putrajaya	58
In the Heart of Pahang	62
Accommodation	66
Funding Your Studies	67
Applying to UNITEN	68



Meet UNITEN

Universiti Tenaga Nasional, popularly known as UNITEN, is a private university with a Government Link University (GLU) status. Wholly owned by Tenaga Nasional Berhad (TNB), UNITEN operates in two campuses: the main campus in Putrajaya and the branch campus in Bandar Muadzam Shah, Pahang.

The Putrajaya Campus offers programmes in Engineering, Computer Science, Information Technology, International Business, Accounting, Economics and Corporate Management, whereas the branch campus, Sultan Haji Ahmad Shah Campus (KSHAS) in Bandar Muadzam Shah, Pahang focuses on Accounting, Finance, Business Administration (Human Resource Management, Marketing, and Entrepreneurship & Venture Management), and International Business Programmes. All programmes offered at UNITEN are also accredited by the Malaysian Qualifications Agency (MQA).

As the first Energy University in Malaysia, UNITEN aspires to become a globally competitive energy-focused university by emitting the best of Malaysian and Asian university traditions. Due to its excellent academic achievements, UNITEN is

regarded as a serious player in the academic world with its vision to be a leading global Energy University that shapes a sustainable future.

Over the years, the world has witnessed an exceptional transformation of UNITEN in pursuit of academic excellence which has subsequently improved its reputation. UNITEN consistently achieves five stars (Excellent) in the Rating System used by the Malaysian Higher Education Institutions (SETARA) since 2017. UNITEN has also been granted with Self-Accreditation Assessment which serves as a testament of a reliable quality assurance system is in place within UNITEN to systematically review its own academic programmes. Apart from that, obtaining this Self-Accreditation Status implies the empowerment and trust laid upon UNITEN by MQA to certify its own courses.



SULTAN HAJI AHMAD SHAH
CAMPUS (KSHAS)

In the Quacquarelli Symonds (QS) Asian University Rankings, UNITEN is ranked #164 in 2024. Additionally, UNITEN has also been recognised for its outstanding achievements in Engineering & Technology subjects, as well as in Engineering - Electrical & Electronic subject category. UNITEN ranked #501-550 in Engineering & Technology and #301-350 in the Engineering - Electrical & Electronic category, placing us among some of the most esteemed institutions in the world. In the latest Times Higher Education (THE) World University Rankings 2024, UNITEN is ranked #601-800 among the world's best universities. In Malaysia, UNITEN is ranked #3 for private university and #8 overall.

Throughout its rich history and establishment, UNITEN has produced well-rounded graduates that possess a balanced combination of academic knowledge, practical skills, critical thinking abilities, strong interpersonal skills, and a strong sense of social responsibility. UNITEN is a boutique university that specialises in emerging industry sectors, such as engineering, computer science, business, accounting, finance, and economics. This core focus makes us best at what we do and our close connection with the energy industry, through our affiliation with TNB provides students with unique opportunities to engage in real-world projects and research related to the energy sector.



College of Graduate Studies

The College of Graduate Studies (COGS) at Universiti Tenaga Nasional (UNITEN) proudly stands as a beacon of academic excellence, fostering a dynamic and enriching environment dedicated to postgraduate educations. Specializing in advanced studies across disciplines such as Engineering, Computer Science, Information Technology, Accounting, Finance, and Business Management, our comprehensive programmes, comprising mixed-mode, full research, coursework, and ODL options, bear accreditation from the Malaysian Qualification Agency and official approval from the Ministry of Higher Education Malaysia.

Guided by a team of accomplished and seasoned academic experts hailing from UNITEN's three distinguished colleges – the College of Engineering, the College of Computing and Informatics, and UNITEN Business School, our programmes exemplify a commitment to scholarly distinction.

COGS transcends its role as a hub for academic pursuits; it functions as a dynamic ecosystem where faculty members actively engage in research and consultancy, precisely tailored to meet the evolving demands of the business landscape. Our strong alliances with both local and international industries, alongside collaborations within academia, serve to uphold the relevance of our programmes, positioning them at the forefront of industry trends. This commitment reflects and embodies the overarching vision and objectives of UNITEN.

Postgraduate students benefit from an array of opportunities through the selection of research projects provided by our well-established and widely recognised six research institutes:

- Institute of Power Engineering (IPE)
- Institute of Sustainable Energy (ISE)
- Institute of Energy Infrastructure (IEI)
- Institute of Energy Policy and Research (IEPR)
- Institute of Informatics and Computing in Energy (IICE)
- Institute of Nuclear Energy (INE)

Our objective at COGS is to cultivate graduates who are not only knowledgeable, but also possess a high degree of skill, autonomy, and professionalism. This approach aims to equip them as valuable assets to any organisation in the future.

At a Glance

25



DEDICATED
ACADEMIC STAFF

3



PHD
PROGRAMMES

14



MASTER
PROGRAMMES

Global Ranking Recognition



RANKED

226

BEST GLOBAL ENGINEERING
UNIVERSITIES

RANKED

28

IN THE WORLD -
PERCENTAGE OF HIGHLY CITED
PAPERS AMONG THE TOP 1%
MOST CITED IN ENGINEERING



RANKED

641-650

WORLD UNIVERSITY
RANKINGS 2025

RANKING BY SUBJECT 2024

501-550

ENGINEERING AND
TECHNOLOGY

164

ASIA UNIVERSITY
RANKINGS 2024

301-350

ELECTRICAL AND
ELECTRONIC

711-720

SUSTAINABILITY
RANKINGS 2024

701-720

COMPUTER SCIENCE AND
INFORMATION SYSTEMS

841



STUDENTS
ENROLLED

2025



ALUMNI
(SINCE 2003)



Times
Higher
Education

RANKED

601-800

WORLD UNIVERSITY
RANKINGS 2024

3

PRIVATE UNIVERSITY
IN MALAYSIA

185

ASIA UNIVERSITY RANKINGS 2024

8

UNIVERSITY IN MALAYSIA

RANKINGS BY SUBJECT 2024

501-600

ENGINEERING

601-800

COMPUTER SCIENCE

EAC



5 YEARS

ACCREDITATION BY ENGINEERING ACCREDITATION COUNCIL (EAC) TO ALL ENGINEERING BACHELOR DEGREE PROGRAMME AND BY MALAYSIA BOARD OF TECHNOLOGISTS (MBOT) TO ALL COMPUTING AND INFORMATICS PROGRAMMES

MyRA®

MALAYSIA RESEARCH ASSESSMENT

5 STARS

RATING FOR MyRA 2019 & 2020



COMPETITIVE

RATING FOR SETARA 2022

A University Like No Other

So, why choose UNITEN for postgraduate studies?



TOP CLASS LECTURERS WITH INTERNATIONAL RECOGNITION

Our teaching staff and researchers are not only recognised internationally; they are leaders in their fields, and they leverage their research and industry links to develop comprehensive course content for graduates to remain forward-looking and relevant in the industry.



AN UNBEATABLE OPPORTUNITY TO GET AHEAD

A well-established brand with a great reputation for highly marketable graduates, UNITEN offers students a getaway of knowledge and experiential learning that gives students an added advantage in the competitive academia and job market.



STRONG RESEARCH COLLABORATIONS WITH OTHER HIGHER LEARNING INSTITUTIONS AND INDUSTRIES

For UNITEN, research collaboration with other Higher Learning Institutions is important to address trending issues and to continuously remain innovative in our contribution to the community. University-industry research collaboration also serves a salient role in ensuring that the needs of the industry are sustainably fulfilled.



GREAT PLACE TO STUDY & LIVE

Conducive environment for students to study is vital to ensure that they are focused throughout the completion of their programmes. At UNITEN, we encourage students to live their best life while getting the best education. Both campuses offer a myriad of clubs and societies, facilities, and amenities, and most of all, the cost of living as a UNITEN student is affordable and reasonable.



SCHOLARSHIP & FUNDING OPPORTUNITIES

University life can be financially demanding and UNITEN vows to provide comprehensive support through various channels: Yayasan Canselor Universiti (YCU) Postgraduate Scholarships, Graduate Excellence Programme (GrEP), private companies sponsorships, and many more. This is especially vital to ensure that our students get peace of mind and can fully concentrate to finishing their studies with flying colours.



EXPOSURE TO CORPORATE AND INDUSTRIAL SPECIALIST

Building a professional network and real-life exposure to the complexities of the industry and corporate world help students bridge theoretical knowledge and practical application apart from leading to job opportunities and mentorship.



HIGH RATE OF EMPLOYABILITY

UNITEN graduates are favoured by top employers for its combination of education, skill set, and exposure to industry that ensures graduates a competitive edge. Any programme or degree from UNITEN will give a resume an added value.







Cultivating Excellence

UNITEN has always been strategic in our aspirations and objectives. Hence why we remain steadfast in aligning ourselves and keeping up with global trends to deliver and cultivate academic excellence.

The only energy university in Malaysia, UNITEN takes pride in nurturing students through an academically stimulating environment. Our achievements and dedication are rated 5 Stars by the Ministry of Higher Education, Malaysia.



INTERNATIONALLY RECOGNISED PROGRAMMES

With over 74 partner universities in 30 countries, it is not surprising that our rigorous academic programmes are able to equip graduates with valuable skills for the industry, resulting to up to 12% of our total graduates currently serving and working abroad and across continents.



EXCELLENT ACADEMIC STAFF

Our university's academic staff comprises of more than 430 capable and highly qualified academicians and staff members with excellence in teaching and research. With their diverse backgrounds and experiences, we believe that they will add a unique value to each and every graduate of UNITEN.



GRADUATE EMPLOYABILITY

Currently, our Employability Rate is 96.8% which is one of the highest among public and private Malaysian universities nationwide. Our graduates contribute to workforces around the globe, signifying the value and trust in UNITEN's quality of education and the professionals that it produces to fill positions across sectors, including Engineering, Computer Science, Information Technology, Business, and Accounting.

Research Chairs

The Research Chairs at UNITEN aim to attract and foster research collaborations and innovations among postgraduate students through research funds. Our active Research Chairs are listed as follows:

Institute of Sustainable Energy

AAIBE CHAIR OF RENEWABLE ENERGY IN UNITEN

RM 20 MILLION

AAIBE
AKAUN AMANAH INDUSTRI
BEKALAN ELEKTRIK



Institute of Energy Policy And Research

CHAIR IN ENERGY ECONOMICS OF ENERGY COMMISSION AT UNITEN

RM 6 MILLION



Institute of Informatics And Computing In Energy

TAN SRI LEO MOGGIE DISTINGUISHED CHAIR IN ENERGY INFORMATICS

RM 5 MILLION



Institute of Energy Infrastructure

DAM SAFETY MANAGEMENT CHAIR

*expected to commerce in 2022

RM 5 MILLION



AAIBE Chair of Renewable Energy at UNITEN (Chair of RE) is a programme under the Ministry of Natural Resources, Environment, and Climate Change (NRECC) and funded by Malaysia Electricity Supply Industry Trust Account (MESITA), envisioned primarily to enhance renewable energy (RE) resources in our electricity supply industry (ESI).

UNITEN has been entrusted by NRECC to drive the Chair of RE initiatives through a ten-year (2018-2027) programme with RM 20 million funding. The Chair of RE programme focuses on technology advancement and key enablers for RE (biogas, biomass, and biofuel) adaptation in ESI to benefit its stakeholders, namely the power generation and the RE resources supply industry.

The Chair of RE programme is entrusted with three strategic objectives focusing on enhancing RE application in ESI, boosting energy production from renewable resources, and fostering value creation from environmental, social, and governance (ESG) perspectives. The programme implementation is designed with specific scopes on scientific knowledge advancement, human capital empowerment, and synergising ESI stakeholders' involvement towards successful RE transition in the power generation industry. Successful programme implementation is assessed by seven key deliverables derived to address all the essential elements ensuring the programmes objectives are well accomplished.

Biomass research activities include innovative production technologies harnessing RE from waste (agricultural and other organic wastes) and advanced

technologies scaling up biomass mix via co-firing in power generation plants. Research under the Chair of RE is in partnership with a leading biomass technology developer from Japan, along with collaboration and support from the local biomass industry. The programme also spearheads the development of policies and national biomass hub envisioned to support the RE mix in power generation. Biogas research activities include emerging technologies that produce biomethane and biohydrogen from waste (agricultural and other organic waste), along with advanced production technologies.

The activities focus on the enhanced ionic liquid catalyst, conversion of CO₂ into syngas and innovative pre-treatment and post-treatment technologies. Biofuel research focuses on advanced technologies that produce algae biofuel from tropical marine microalgae species and synthesised hydrocarbon-producing green diesel/bio-jet fuel from organic waste.

Production technology research aims to deliver innovative processes offering feedstock flexibility, enhanced fuel properties and overall cost reduction, making biofuel an economically viable RE source. The research in advanced biofuel will include a comprehensive field trial in power generation plants.

The programme is now progressing well into its seventh year of implementation and has been instrumental for Institute of Sustainable Energy (ISE)'s recognition as one of the Higher Institute Centre of Excellence (HiCoE) by the Ministry of Higher Education (MOHE).



Innovating the Future of Energy

The National Energy Centre or famously abbreviated as NEC is a hub of collaboration for experts from renowned foreign and local universities, and industry leaders. Based in our Putrajaya Campus, NEC is also a combined collaboration between research institutes, industrial linkages, international linkages, and government agencies, and is expected to expose our students to technological solutions for Malaysia's energy transition.

As the pivotal centre for handling the national energy transition, several significant energy-related modules will be explored in depth at NEC, including the use of hydrogen, space-based solar power, magma power, algae energy power, solar power, wind power, and fusion power for renewable energy along with the development of electric vehicle technological ecosystems.

These developments will be conducted through 5 centres of excellence, which include:

- Institute of Sustainable Energy (ISE)
- Institute of Power Engineering (IPE)
- Institute of Energy Infrastructure (IEI)
- Institute of Energy Policy & Research (IEPR)
- Institute of Informatics & Computing in Energy (IICE)
- Institute of Nuclear Energy

For UNITEN students, the work carried out at NEC will give them a jumpstart to equip themselves with the necessary education, skills, and experience to be a part of the country's future workforce as Malaysia marches towards its carbon-neutral goal.





Research Institutes

As UNITEN moves forward to become a globally competitive and energy-focused university, energy-focused projects, such as solar and biodiesel powered vehicles become the centre of our interest. We actively identify opportunities, research areas, and programmes that correspond to the long-term needs of our stakeholders.

Through a multitude of groundbreaking research and innovative ideas, our researchers have secured more than RM100 million research grants and consultancy projects to transform theories into practical and beneficial reality. This is also supported by our close partnerships that foster interdisciplinary work and opportunities.

Let's look at our 6 research institutes to learn more about their functions and focus.

Institute of Sustainable Energy (ISE)

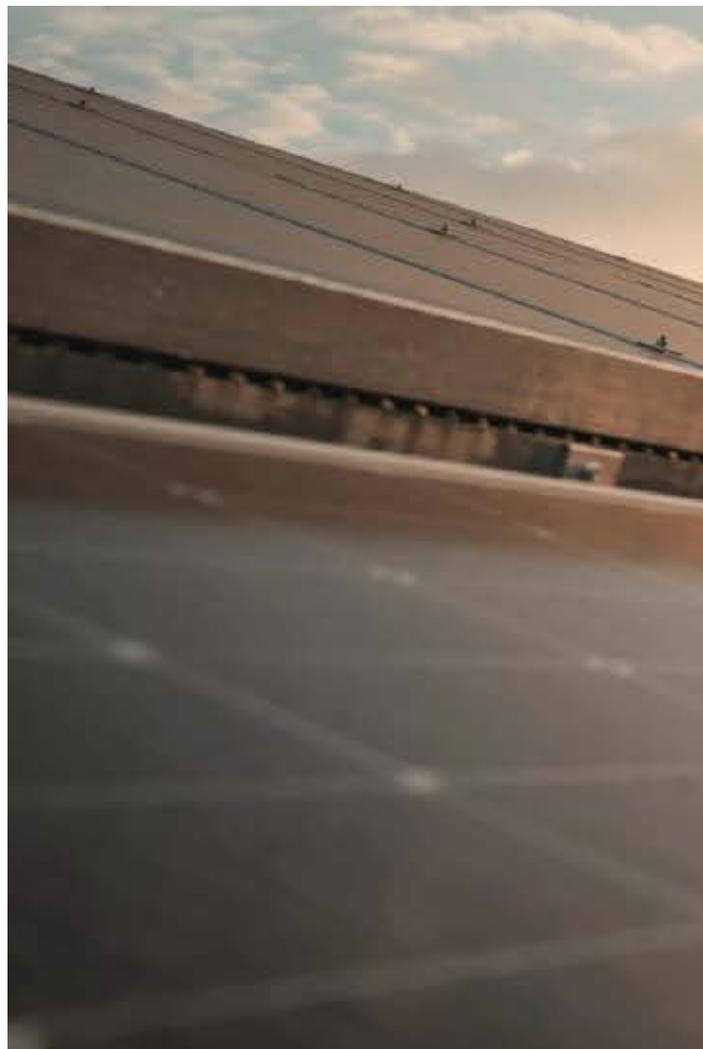
The ISE strives to undertake research development and innovation in renewable energy with strategic alliances to serve the larger society. Over the last 5 years, ISE has secured approximately RM60 million project grants from the government and industries for research and consultancy services that are in line with Sustainable Development Goals (SDG) of the United Nations. The niche areas that ISE focuses on include bioenergy, advanced thin film solar cell, low speed wind turbine, smart hybrid RE system, and energy sustainability technology. a more promising future driven by nuclear innovation.

Institute of Energy Infrastructure (IEI)

IEI provides a broad range of research and consultancy services, products, and solutions, with the greatest depth of expertise, to the industrial, commercial, and infrastructure markets in Malaysia and other parts of the world. Over the previous five years, IEI has secured more than RM42 million in research grant and consultancy services. The four niche areas of IEI's core research and consultancy capabilities cover Geospatial Intelligence, Sustainable Built Environment, Energy Water Security, and Disaster Risk Reduction.

Institute of Power Engineering (IPE)

IPE aspires to be the point of reference for education, research, and development in the field of Power Engineering in Malaysia. To date, IPE has secured more than RM40 million worth of fund in the form of consultancies and research contracts.



Institute of Energy Policy and Research (IEPR)

The core of IEPR's strategic direction is to provide quality, reliable, sound, and impactful research and service to its stakeholders, mainly in the six focus areas of Energy Economics, Energy Security, Energy Policy, Energy & Environment, Energy & Social Sustainability, and Energy Supply Industry. IEPR has also received strong support from Tenaga Nasional Berhad, the Energy Commission, and the Ministry of Energy, Green Technology, and Water.

Institute of Informatics and Computing in Energy (IICE)

IICE is committed to providing frontier research and development in the use of ICT to address energy challenges and to provide high quality solutions for the energy sector. IICE has also identified three research areas to concentrate on, which are Intelligent and Secure Energy Systems, Energy Infostructure and Governance, and Energy Data Analytics and Visualisation.

Institute of Informatics and Computing in Energy (IICE)

IICE is committed to providing frontier research and development in the use of ICT to address energy challenges and to provide high quality solutions for the energy sector. IICE has also identified three research areas to concentrate on, which are Intelligent and Secure Energy Systems, Energy Infostructure and Governance, and Energy Data Analytics and Visualisation.

Institute of Nuclear Energy (INE)

INE aims to lead the national charge to embrace the atom, especially in reactor design advancements, pioneering fusion technology, and cutting-edge radiation detection methods. Through innovative public education campaigns and exploration of new nuclear applications, INE highlights the profound importance of nuclear energy in addressing global challenges as well as dispelling the misconceptions surrounding nuclear technology. With a focus on safety, sustainability, and collaboration, INE is reshaping perceptions and propelling the field towards a more promising future driven by nuclear innovation.



Our Successful Alumni



KHALID A. KODIO

Master of Energy Management (Structure C)

Electrical Engineer,
AZZ CGIT Arabia



IR. ABDUL MALEK

Master in Engineering Management

Head of Department,
Control & Automation Engineering,
Miri, Sarawak



STEPHANNY SYLVESTER MALUDA

Master of Science in Management (Structure A)

Freelance Professional Trainer,
Atameez Management Services



MUHAMMAD ZUFAR BIN AHMAD FAUDZLI

Master of Mechanical Engineering (Structure A)

UNITEN's prestige extends through its vast alumni network, with graduates in influential positions across various industries. Our alumni network also comprises of graduates who embark on rewarding career paths and those who have established themselves in their domains.

Through this esteemed alumni network, graduates get to foster valuable connections and collaborations across industries, as well as contributing to their local communities and cultural spheres.

Among our distinguished alumni, include



**PREVINSHA NAIDU A/L
POORNACHENDRAN**

Master of Electrical Engineering (Structure B)



LEONG YANG SING

Master of Electrical Engineering (Structure A)



PUTERI ZAHARAH

Master of Business Administration (Structure C)



**MUHAMMAD IQMAL
BIN A. MANAP**

Master of Science in Accounting (Structure A)

Accountant,
Jabatan Akauntan Negara Malaysia



TS. JOSHUA SOONG

Master of Energy Management (St.C)
Chief Technology Officer
VSD Automation



LIM SOON ENG

Master in Information Technology (St.A)
Software Developer



MOHD AZHAR BIN ABD RAHMAN

Master in Information Technology (St.B)
Senior Software Engineer



USHAMALAR A/P SELVARAJAH

Master in Information Technology (St.B)



DR. IR. TS. WAN SYAKIRAH

Doctor of Philosophy (Engineering)



DR. LEE CHEN KANG

Doctor of Philosophy (Information and Communication Technology)



DR. MARWAN RASMI ASSAD ISSA

Doctor of Philosophy (Business Management)



MOHD QADDURA

Master's of Structural Engineering, 2022

Site Engineer/Project Manager Assistant,
El Race Cons. & Gen. Cont.

Industry Advisory Panel (IAP)

At COGS, each programme has established its own Industry Advisory Panel (IAP), which comprises of industry experts and leaders. This advisory panel serves a crucial role in providing strategic advice to ensure our programmes are parallel in relevance to the current industry practices and requirements.

Additionally, these advisory panels also contribute valuable insights on the latest trends and issues in research. Apart from fostering a strong academic-industry partnership, the IAP actively engages with students through talks, workshops, and seminars, offering industrial perspectives and trends related to respective courses.

Among the prominent employers represented in our IAP are:









Industry Guest Lecture (IGL)

In alignment with our university's commitment to enhancing industry exposure and fostering networking opportunities, COGS facilitates access to accomplished senior leaders through its own Industry Guest Lecture ("IGL") programme—a gateway to invaluable insights and real-world expertise. This initiative brings distinguished professionals from relevant industries directly into our classrooms, creating an immersive learning experience for all.

Our IGL Speakers, each with a minimum of 5 years of hands-on industry experience, share their wealth of knowledge on topics aligned with the course syllabus. This dynamic exchange not only supplements theoretical understanding, but also offers a unique glimpse into the practical applications of classroom concepts, an initiative designed to bridge the gap between academia and industry, ensuring a holistic and enriching educational journey for our students.



Our programmes

The College of Graduate Studies (COGS) at Universiti Tenaga Nasional (UNITEN) offers a diverse range of postgraduate programmes designed to cater to the needs of aspiring professionals and researchers.

The programmes span various disciplines, including engineering, information technology, business management, and energy economics. Each programme is meticulously structured to provide students with advanced knowledge, practical skills, and research opportunities that are essential for excelling in their respective fields. With a strong emphasis on innovation and industry relevance, COGS UNITEN ensures that graduates are well-prepared to tackle the challenges of a rapidly evolving global landscape. Additionally, the faculty comprises experienced academics and industry experts who are dedicated to delivering a high-quality educational experience.

STRUCTURE A (by Research)

- Doctor of Philosophy (Engineering)*
- Doctor of Philosophy in Information and Communication Technology*
- Doctor of Philosophy (Business Management)*
- Master of Science in Civil Engineering*
- Master of Science in Mechanical Engineering*
- Master of Science in Electrical Engineering*
- Master of Science in Information Technology*
- Master of Science in Accounting**
- Master of Science in Finance**
- Master of Science in Management**

STRUCTURE B (by Coursework & Research)

- Master in Electrical Engineering*
- Master in Information Technology*

STRUCTURE C (by Coursework & Project)

- Master in Structural Engineering*
- Master in Energy Management*
- Master in Engineering Management*
- Master of Business Administration*
- Master of Business Administration (Open Distance Learning)

* Based in Putrajaya Campus

** Based in Sultan Haji Ahmad Shah Campus (KSHAS), Bandar Muadzam Shah



COLLEGE OF COMPUTING AND INFORMATICS (CCI)

The College of Computing and Informatics (CCI) at UNITEN is dedicated to establishing itself as the premier institution for cutting-edge, dynamic, and market-driven education in computing and informatics. CCI offers a wide array of academic programmes aimed at cultivating graduates who not only possess comprehensive skills and expertise across all facets of computer science and information technology but also demonstrate robust personal attributes, and most importantly job-ready!

Recognised by



Ministry of Higher Education



Self-accrediting Private University



Malaysia Board of Technologists



```
(groupsalloc);  
EXPORTSYMBOL(groupsalloc);  
void groups_free(struct group_info *group_info)  
{  
    void groups_free(struct group_info *group_info)  
    {  
        if (groupinfo->blocks[0] != group_info->small_block) {  
            int i;  
            if (groupinfo->blocks[0] != group_info->small_block) {  
                for (i = 0; i < group_info->nblocks; i++)  
                    int i;  
                    freepage((unsigned long)groupinfo->blocks[i]);  
                for (i = 0; i < group_info->nblocks; i++)  
                    freepage((unsigned long)groupinfo->blocks[i]);  
                kfree(groupinfo);  
            }  
            kfree(groupinfo);  
        }  
    }  
    EXPORTSYMBOL(groupsfree);  
    EXPORTSYMBOL(groupsfree);  
    /* export the groupinfo to a user-space array */  
    static int groups_touser(gid_t user *grouplist,  
    /* export the groupinfo to a user-space array */  
    const struct group_info *group_info)  
    static int groups_touser(gid_t user *grouplist,  
    const struct group_info *group_info);  
    {  
        int i;  
        {  
            unsigned int count = groupinfo->nblocks;  
            int i;  
            unsigned int count = groupinfo->nblocks;  
            for (i = 0; i < group_info->nblocks; i++) {  
                unsigned int cpcount = min(NGROUPSPERBLOCK, count);  
                for (i = 0; i < group_info->nblocks; i++) {  
                    unsigned int len = cpcount * sizeof(*grouplist);  
                    unsigned int cpcount = min(NGROUPSPERBLOCK, count);  
                    unsigned int len = cpcount * sizeof(*grouplist);  
                    if (copyto_user(grouplist, group_info->blocks[i], len))  
                        return -EFAULT;  
                    if (copyto_user(grouplist, group_info->blocks[i], len))  
                        return -EFAULT;  
                }  
            }  
        }  
    }  
}
```

mod.use_x = False
mod.use_y = True
mod.use_z = False
operation == "MIRROR_Z":
mod.use_x = False
mod.use_y = False
mod.use_z = True
ob.select=1
ob.select=1
context.scene.objects.active = modifier_ob
selected" + str(modifier_ob) # modifier_ob
ob.select = 0
key_context.selected_object = 1
selected object
_x"

Master of Science in Information Technology

R3/0611/7/0004 (12/27) (MQA/A8588)



Be at the forefront of numerous aspects of information management through technology.

Our Master of Science in Information Technology by Research is an advanced academic programme designed to develop critically informed, agile, and resourceful graduates who are prepared to adapt to future changes in information technology via a comprehensive understanding of fundamental theories and current practices. This intensive research-oriented programme will push one's potential by employing research skills and making original contributions to the field.

What to Expect

This programme consists of a research methodology seminar and followed by a research project. It provides a comprehensive education in information technology fundamentals, strategic insights, and a spectrum of essential skills, including leadership, decision-making, and innovative problem-solving, equipping for success in the dynamic and multifaceted working world.

In close collaboration with dedicated supervisors, students will undertake a research project to put into practice the knowledge and skills they have acquired to produce a concise and detailed thesis, which will be examined externally upon completion.

Key research areas for Master of Science in Information Technology include:

- Information Systems
- Data Analytics
- IT Governance
- Computer Security
- Systems Network
- Artificial Intelligence
- Software Engineering
- Multimedia
- Visual Information
- User Experience and Interaction Design

🕒 2-3 years (full time)
3-4 years (part time)

📅 Open all year

🎓 Structure A
(by Research)

Potential Career Paths

Graduates in Master of Science in Information Technology by Research will possess specialised technical knowledge and practical skills to pursue professional careers in diverse industries, utilising skills in big data, cloud, tech consulting, and management of complex IT systems to address real-world problems.

The Master of Science in Information Technology can also serve as a springboard towards doctoral research for those who wish to pursue a career in academia.

Master in Information Technology

R3/0611/7/0018 (05/29) (MQA/A9499)

Our Master in Information Technology by Coursework and Research is an advanced academic programme designed to develop critically informed, agile, and resourceful graduates who are prepared to adapt to future changes in information technology via a comprehensive understanding of fundamental theories and current practices.

What to Expect

This programme consists of seven core courses, followed by a research project. It provides a comprehensive education in information technology fundamentals, strategic insights, and a spectrum of essential skills, including leadership, decision-making, and innovative problem-solving, equipping for success in the dynamic and multifaceted working world.

In close collaboration with dedicated supervisors, students will undertake a research project to put into practice the knowledge and skills they have acquired to produce a concise and detailed thesis, which will be examined externally upon completion.

Key research areas for Master in Information Technology include:

- Information Systems
- Data Analytics
- IT Governance
- Computer Security
- Systems Network
- Artificial Intelligence
- Software Engineering
- Multimedia
- Visual Information
- User Experience and Interaction Design

🕒 1-3 years (full time)
2-4 years (part time)

📅 January and September

🎓 Structure B
(by Coursework & Research)

Potential Career Paths

Graduates in Master in Information Technology by Coursework and Research can pursue careers in a diverse range of sectors that depend on the design, implementation, and management of Information Technology. Popular roles among graduates include IT Consultant, Data Scientist, Cybersecurity Analyst, Software Engineer, and more.

The Master in Information Technology also provides a sound basis for those who are keen to further their study or building their career in academia.

The tech field is constantly growing and changing; there is always room to be on the cutting edge of innovation.



Doctor of Philosophy in Information and Communication Technology

R2/0610/8/0001 (07/27) (MQA/A11224)

Our Doctor of Philosophy in Information and Communication Technology by Research is an advanced academic programme designed to nurture the potential of experts and highly skilled professionals who are able to manage ICT resources in accordance with professional and ethical standards, as well as capable of investigating and identifying solutions and making original contributions to the field of Information and Communication Technology.

🕒 3-7 years (full time)
4-7 years (part time)

📅 Open all year

🏠 Structure A
(by Research)

Potential Career Paths

Traditionally, the academic world is the destination of a PhD holder. However, the insights and skills developed during the Doctor of Philosophy in Information and Communication Technology programme are extremely useful for careers in computing solutions, information systems, cybersecurity, artificial intelligence, and more. Whether in academia, research, consultancy, or policy advisor roles, graduates are highly sought after for their expertise and advanced knowledge.



What to Expect

In close collaboration with dedicated supervisors, students will undertake a research project to put into practice the knowledge and skills they have acquired to produce a concise and detailed thesis, which will be examined externally upon completion.

The Doctor of Philosophy in Information and Communication Technology requires students to explore and undertake a research project, as well as developing a thesis in related areas (and not limited to the following):

- Information Systems
- Data Analytics
- IT Governance
- Computer Security
- Systems Network
- Artificial Intelligence
- Software Engineering
- Multimedia
- Visual Information
- User Experience and Interaction Design



COLLEGE OF ENGINEERING (COE)

The College of Engineering (COE) at UNITEN has kept pace with the demands of scientific and technological world. The college strives to provide a first-rate educational experience and first-class education to its undergraduate students.

Today, the college comprises of four departments, which are Electrical and Electronics Engineering, Mechanical Engineering, Civil Engineering, and Engineering Foundation and General Studies. COE offers programmes at Bachelor, Diploma, and Foundation levels, and in collaboration with the College of Graduate Studies, offering programmes at Master and PhD levels.

Recognised by



Ministry of Higher Education



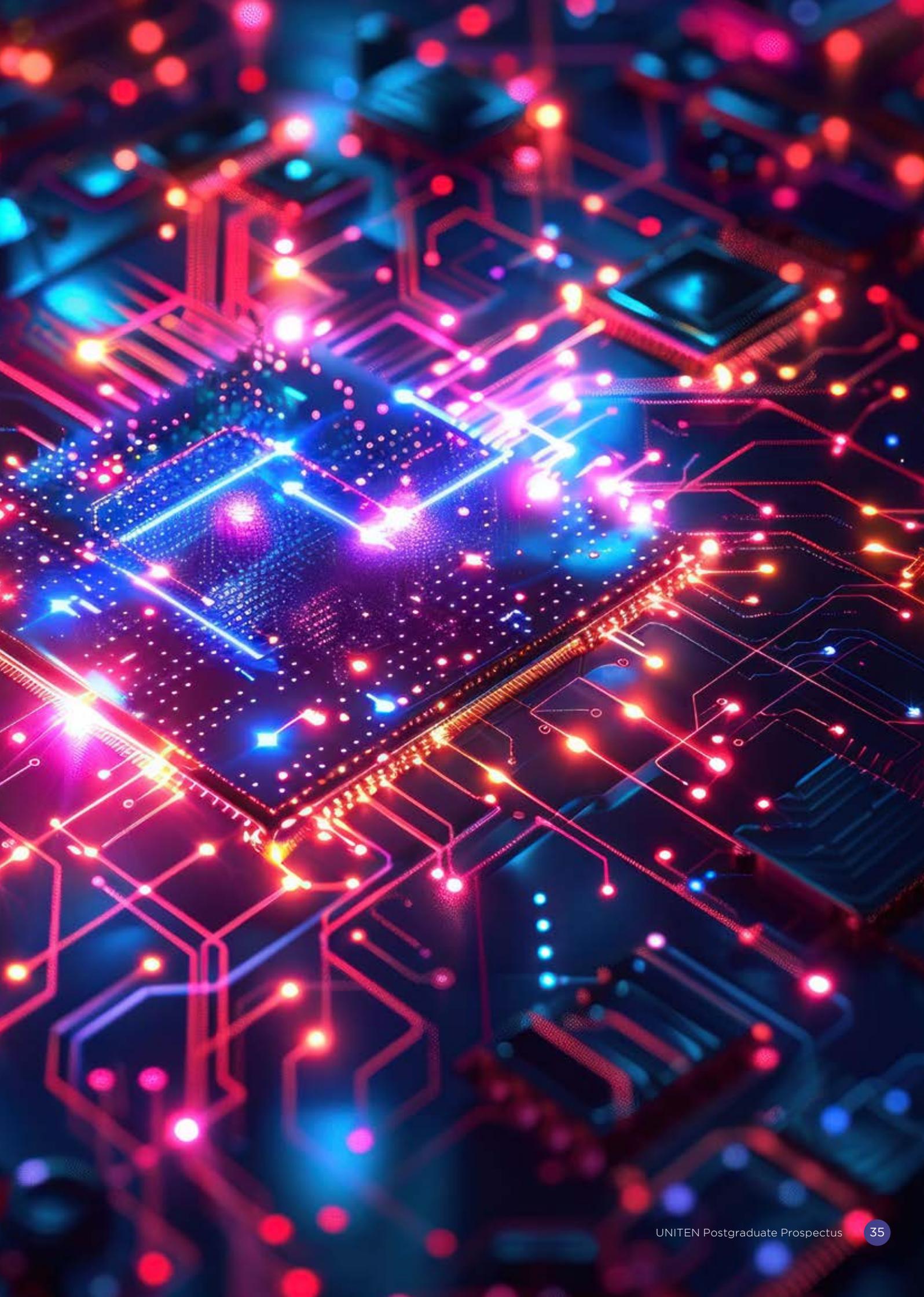
Self-accrediting Private University



Lembaga Jurutera Malaysia



IEA Washington Accord



Master of Science in Electrical Engineering

R3/O712/7/0006 (02/29) (MQA/A9734)

Our Master of Science in Electrical Engineering by Research is an advanced academic programme designed to equip students with robust knowledge and training on modern power engineering technologies, with a focus on renewable energy conversion and smart grids. This intensive research-oriented programme will push one's potential by employing research skills and making original contributions to the field.

What to Expect

This programme consists of a research methodology seminar and followed by a research project. It provides a comprehensive education in electrical engineering fundamentals, strategic insights, and a spectrum of essential skills, including leadership, decision-making, and innovative problem-solving, equipping students for success in the dynamic and multifaceted working world.

In close collaboration with dedicated supervisors, students will undertake a research project to put into practice the knowledge and skills they have acquired to produce a concise and detailed thesis, which will be examined externally upon completion.

Key research areas for Master of Science in Electrical Engineering include:

- Automation and Embedded Computing System
- Communication Systems and Networks
- Micro and Nano Engineering
- Photonics Technologies
- Radio Frequency and Microwave Engineering
- Signal Processing and Control Systems
- System and Machine Intelligence
- Distributed Generation
- High Voltage Systems
- Power Quality
- Power System Analysis
- Renewable Energy and Energy Efficiency
- Smart Grid

🕒 2-3 years (full time)
3-4 years (part time)

📅 Open all year

🎓 Structure A
(by Research)

Potential Career Paths

Graduates in Master of Science in Electrical Engineering by Research can potentially lead to a fulfilling career, including roles in power system analysis, power quality, smart grid, renewable energy, and sustainability, as well as research areas in electronics and communication engineering, including microelectronics, photonic technologies, intelligent sensing and processing, and wireless technology.

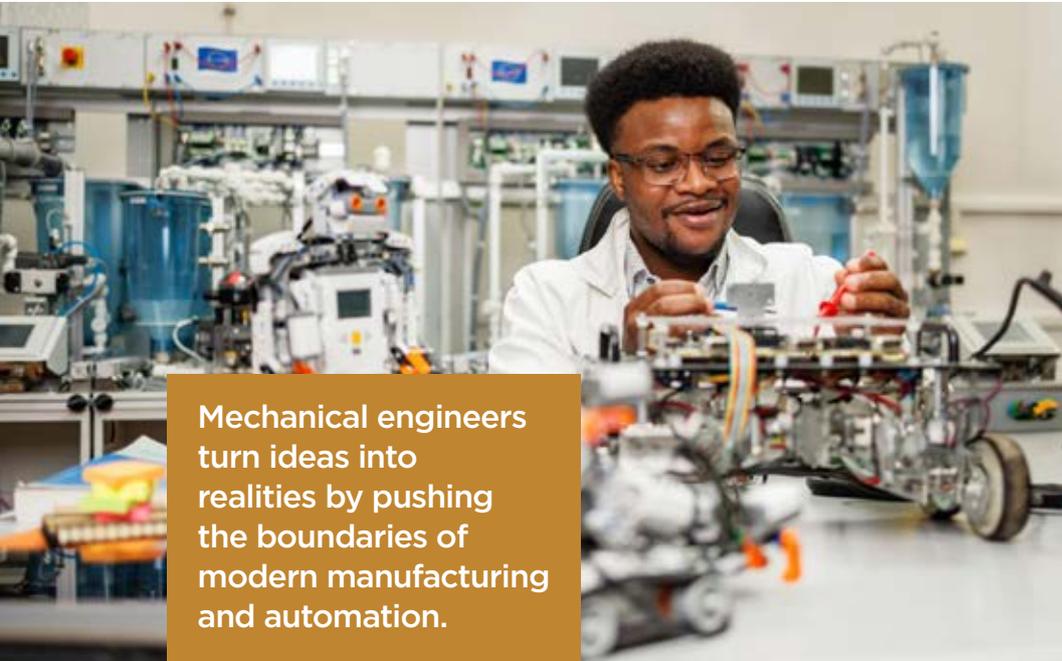
The Master of Science in Electrical Engineering can also serve as a springboard towards doctoral research for those who wish to pursue a career in academia.

As we can't imagine our lives without electricity, we cannot imagine a world without electrical engineers.



Master of Science in Mechanical Engineering

R3/0714/7/0007 (04/29) (MQA/A9733)



Mechanical engineers turn ideas into realities by pushing the boundaries of modern manufacturing and automation.

Our Master of Science in Mechanical Engineering by Research is an advanced academic programme designed to prepare students for a successful mechanical engineering career, leading large and complex projects. This intensive research-oriented programme will push one's potential by employing research skills and making original contributions to the field.

What to Expect

This programme consists of a research methodology seminar and followed by a research project. It provides a comprehensive education in mechanical engineering fundamentals, strategic insights, and a spectrum of essential skills, including leadership, decision-making, and innovative problem-solving, equipping students for success in the dynamic and multifaceted working world.

In close collaboration with dedicated supervisors, students will undertake a research project to put into practice the knowledge and skills they have acquired to produce a concise and detailed thesis, which will be examined externally upon completion.

Key research areas for Master of Science in Mechanical Engineering include:

- Advanced Materials
- Computational Fluid Dynamics
- Heat and Mass Transfer
- Mechanical Design
- Mechanics and Vibration
- Mechatronics, Control, and Automation
- Nuclear Engineering
- Power Plant Technology
- Renewable Energy
- Robotics
- Thermal System and Energy

🕒 2-3 years (full time)
3-4 years (part time)

📅 Open all year

🎓 Structure A
(by Research)

Potential Career Paths

Graduates in Master of Science in Mechanical Engineering by Research are equipped with engineering skills, expertise, and experience that are transferable to various industries, including energy, automotive, manufacturing, aerospace, and more. Graduates also have the option to choose a career in the industry, public authorities, or research as this programme prepares them to be well-versed in mechanical and thermal systems, machines, materials, and power.

The Master of Science in Mechanical Engineering can also serve as a springboard towards doctoral research for those who wish to pursue a career in academia.

Master of Science in Civil Engineering

R3/0716/7/0007 (04/29) (MQA/A10022)

Our Master of Science in Civil Engineering by Research is an advanced academic programme designed to provide students with associated analytical and problem-solving skills as well as developing their ability to apply this knowledge in engineering design. This intensive research-oriented programme will push their potential by employing research skills and making original contributions to the field.



Civil Engineering centres around problem-solving and improving the quality of lives.

What to Expect

This programme consists of a research methodology seminar and followed by a research project. It provides a comprehensive education in civil engineering fundamentals, strategic insights, and a spectrum of essential skills, including leadership, decision-making, and innovative problem-solving, equipping students for success in the dynamic and multifaceted working world.

In close collaboration with dedicated supervisors, students will undertake a research project to put into practice the knowledge and skills they have acquired to produce a concise and detailed thesis, which will be examined externally upon completion.

Key research areas for Master of Science in Civil Engineering include:

- Asset Management
- Construction and Building Materials
- Environmental and Wastewater Engineering
- Forensic Engineering
- Geotechnical and Geological Engineering
- Highway and Transportation Engineering
- Hydropower and Dam Engineering
- Project Management
- Structural Engineering
- Water Resources Engineering

🕒 2-3 years (full time)
3-4 years (part time)

📅 Open all year

🏠 Structure A
(by Research)

Potential Career Paths

Graduates in Master of Science in Civil Engineering by Research are highly sought after, especially to fill the gaps in civil engineering, structural engineering, environmental engineering, oil and gas, working alongside design consultants, contractors, public authorities, or the private sector.

The Master of Science in Civil Engineering can also serve as a springboard towards doctoral research for those who wish to pursue a career in academia.

Master in Electrical Engineering

R3/0712/7/0001 (12/27) (MQA/A8614)

Our Master in Electrical Engineering by Coursework and Research is an advanced academic programme designed to equip students with robust knowledge on modern power engineering and future connectivity with sustainable practices.

What to Expect

This programme consists of coursework and research which offers students a unique opportunity to further explore their interest in a specialised area Electrical/Communication Systems Engineering. It provides a comprehensive education in electrical engineering fundamentals, strategic insights, and a spectrum of essential skills, including leadership, decision-making, and innovative problem-solving, equipping for success in the dynamic and multifaceted working world.

In close collaboration with dedicated supervisors, students will undertake a research project to put into practice the knowledge and skills they have acquired to produce a concise and detailed thesis, which will be examined internally upon completion.

Key research areas for Master in Electrical Engineering include:

- Automation and Embedded Computing System
- Communication Systems and Networks
- Micro and Nano Engineering
- Photonics Technologies
- Radio Frequency and Microwave Engineering
- Signal Processing and Control Systems
- System and Machine Intelligence
- Distributed Generation
- High Voltage Systems
- Power Quality
- Power System Analysis
- Renewable Energy and Energy Efficiency
- Smart Grid



Advancing towards reliable, sustainable, and efficient electricity for affordable modern energy services.

🕒 1-3 years (full time)
2-4 years (part time)

📅 January and September

🎓 Structure B
(by Coursework & Research)

Potential Career Paths

Graduates in Master in Electrical Engineering by Coursework and Research can pursue careers in engineering services, electrical power generation, transmission and distribution, design and production of communications systems, universities, and research institutions. Popular roles among graduates include Power Systems Engineer, Renewable Energy Specialist, Electric Grid Analyst, Control Systems Engineer, and more.

The Master in Electrical Engineering also provides a sound basis for those who are keen to further their studies or build their career in academia.

Master in Structural Engineering

R/0716/7/0002 (02/26) (MQA/SWA7212)

Our Master in Structural Engineering by Coursework and Project is an advanced academic programme designed to shape the understanding of engineering principles and practices, together with methods used to analyse, design, test, and monitor structural engineering systems, materials, and structural performance. Students' focus will also draw widely on the operational areas of steel, concrete, and sustainable composite materials and structures.

What to Expect

This programme consists of a combination of core and elective courses, followed by a research project. The curriculum for Master in Structural Engineering revolves around construction management with emphasis on the dynamic behaviour of structures in steel and concrete.

In close collaboration with dedicated supervisors, students will undertake a research project to put into practice the knowledge and skills they have acquired to produce a concise and detailed thesis, which will be examined externally upon completion.

🕒 1-3 years (full time)
2-4 years (part time)

📅 January and September

🏠 Structure C
(by Coursework & Project)

Potential Career Paths

Graduates in Master in Structural Engineering by Coursework and Project can pursue a career across a range of commercial and professional areas, as well as sectors as diverse as civil and structural engineering design, building and infrastructure construction, quality engineering, structural repair, assessment and rehabilitation and construction management. Popular roles among graduates include Consulting Structural Engineer, Design Engineer, Project Manager, Sustainability Consultant, Urban Designer, and more.

The Master in Structural Engineering also unlocks the opportunity for graduates to progress to doctoral research and academia.



Structural engineers create the 'bones and muscles' of human-made structures.

Doctor of Philosophy (Engineering)

R3/0710/8/0001 (12/27) (MQA/A8615)

Our Doctor of Philosophy (Engineering) by Research is an advanced academic programme designed to empower engineering specialists, technopreneurs, and those who are innovative and passionate to make significant academic and industry contributions.

At UNITEN, we applaud cutting-edge research, and we celebrate discoveries that will redefine the limits of engineering knowledge. Therefore, we are honoured to be the home of your doctoral studies, and it is our pleasure to ensure that your journey achieves the intended research trajectory.



What to Expect

In close collaboration with dedicated supervisors, students will undertake a research project to put into practice the knowledge and skills they have acquired to produce a concise and detailed thesis, which will be examined externally upon completion.

Key research areas for Doctor of Philosophy (Engineering) include:

Electrical and Electronics Engineering

- Automation and Embedded Computing System
- Communications Systems and Networks
- Micro and Nano Engineering
- Photonics Technologies
- Radio Frequency and Microwave Engineering
- Signal Processing and Control Systems
- System and Machine Intelligence
- Distributed Generation
- High Voltage Systems
- Power Quality
- Power System Analysis
- Renewable Energy and Energy Efficiency
- Smart Grid

Mechanical Engineering

- Advanced Materials
- Computational Fluid Dynamics
- Heat and Mass Transfer
- Mechanical Design
- Mechanics and Vibration
- Mechatronics
- Control and Automation
- Nuclear Engineering
- Power Plant Technology
- a Energy
- Robotics
- Thermal System and Energy

Civil Engineering

- Asset Management
- Construction and Building Materials
- Environmental and Wastewater Engineering
- Forensic Engineering
- Geotechnical and Geological Engineering
- Highway and Transportation Engineering
- Hydropower and Dam Engineering
- Project Management
- Structural Engineering
- Water Resources Engineering

🕒 3-7 years (full time)
4-7 years (part time)

📅 Open all year

🎓 Structure A
(by Research)

Potential Career Paths

Traditionally, the academic world is the destination of a PhD holder. However, the insights and skills developed during the Doctor of Philosophy (Engineering) programme in specialised disciplines of engineering, namely mechanical, electrical power, civil and electronics, and communication engineering, will gear them up to drive bleeding-edge innovation and progress in their niche domains.

UNITEN BUSINESS SCHOOL (UBS)

UNITEN Business School (UBS) strives to provide first class education to prepare students for positions in the industry. We aim to nurture sustainable and innovative leaders through holistic education, impactful research, and inclusive engagement that contribute to business excellence and society well-being.

In Putrajaya campus, UBS offers foundation, diploma, and bachelor's degree programmes to meet the needs of the industry. These include accounting, business administration, economics, international business, and corporate management.

Recognised by



Ministry of
Higher Education



Self-accrediting
Private University



Master of Science in Accounting

R2/0411/7/0002 (06/27) (MQA/FA1235)

Our Master of Science in Accounting by Research is an advanced academic programme designed to provide students with comprehensive understanding of accounting practices and the practical expertise to apply it in the real world. This intensive research-oriented programme will push one's potential by employing research skills and making original contributions to the field.

What to Expect

This programme consists of a research methodology seminar and followed by a research project. It provides a comprehensive education in accounting fundamentals, strategic insights, and a spectrum of essential skills, including leadership, decision-making, and innovative problem-solving, equipping for success in the dynamic and multifaceted working world.

In close collaboration with dedicated supervisors, students will undertake a research project to put into practice the knowledge and skills they have acquired to produce a concise and detailed thesis, which will be examined externally upon completion.

Key research areas for Master of Science in Accounting include:

- Sustainability accounting and reporting (e.g., environmental reporting, carbon reporting, environmental management accounting)
- Corporate Governance
- Public Sector Accounting
- Financial Accounting
- Auditing
- Earnings Management
- Risk Management
- Accounting Education
- Islamic Accounting
- Corporate Reputation

🕒 2-3 years (full time)
3-4 years (part time)

📅 Open all year

🎓 Structure A
(by Research)

Potential Career Paths

Graduates in Master of Science in Accounting by Research are perfectly placed to serve key accounting positions or managerial and consultancy roles in the private and the public sector. From leading accountancy firms and financial institutions to multinational corporations, various career opportunities await graduates who are equipped with a solid knowledge of accounting and its applications.

The Master of Science in Accounting can also serve as a springboard towards doctoral research for those who wish to pursue a career in academia.

Explore theories and cutting-edge accounting practices in the context of global business.



Master of Science in Finance

R2/0412/7/0001 (06/27) (MQA/FA1234)

Our Master of Science in Finance by Research is an advanced academic programme designed to provide students with contemporary insights and solid grounding in finance and investment, offering extensive training in the relevant tools and techniques and how to apply them practically in the global finance workplace. This intensive research-oriented programme will push one's potential by employing research skills and making original contributions to the field.



In a capitalist world, the more financial knowledge you have, the better your chances are to thrive and succeed.

What to Expect

This programme consists of a research methodology seminar and followed by a research project. It provides a comprehensive education in finance fundamentals, strategic insights, and a spectrum of essential skills, including leadership, decision-making, and innovative problem-solving, equipping for success in the dynamic and multifaceted working world.

In close collaboration with dedicated supervisors, students will undertake a research project to put into practice the knowledge and skills they have acquired to produce a concise and detailed thesis, which will be examined externally upon completion.

Key research areas for Master of Science in Finance include:

- Corporate Finance
- Investment/Stock Market Behaviour
- Islamic Finance and Banking
- International Finance
- Financial Engineering
- Financial Derivatives
- Financial Distress
- Risk Management and Insurance
- Treasury Management
- Behavioural Finance

🕒 2-3 years (full time)
3-4 years (part time)

📅 Open all year

🎓 Structure A
(by Research)

Potential Career Paths

Graduates in Master of Science in Finance by Research are well-versed to serve a multitude of roles in the area of investment banking, corporate finance, financial services, strategic financial management, and risk management apart from performing financial function of a diverse range of global and multinational corporations.

The Master of Science in Finance can also serve as a springboard towards doctoral research for those who wish to pursue a career in academia.

Master of Science in Management

R2/0414/7/0020 (03/27) (MQA/FA1194)

Our Master of Science in Management by Research is an advanced academic programme designed to provide a critical business understanding of contemporary management issues in an ever-changing business environment. Apart from developing an adaptive mindset, students will also be able to put theory and contemporary thinking into practice. This intensive research-oriented programme will push one's potential by employing research skills and making original contributions to the field.



Challenge perceptions and embrace diversity in the 21st century business environment.

What to Expect

This programme consists of a research methodology seminar and followed by a research project. It provides a comprehensive education in management fundamentals, strategic insights, and a spectrum of essential skills, including leadership, decision-making, and innovative problem-solving, equipping for success in the dynamic and multifaceted working world.

In close collaboration with dedicated supervisors, students will undertake a research project to put into practice the knowledge and skills they have acquired to produce a concise and detailed thesis, which will be examined externally upon completion.

Key research areas for Master of Science in Management include:

- Organisational Behaviour
- Human Resource Management
- Strategic Management
- International Business
- Marketing
- Other related areas

🕒 2-3 years (full time)
3-4 years (part time)

📅 Open all year

🏠 Structure A
(by Research)

Potential Career Paths

Graduates in Master of Science in Management by Research can venture into a range of roles, from specific functional roles to management roles across industries. Typically, graduates pursue roles in Audit, Business Development, Finance, Management Consulting, Project Management, and Strategy Consulting.

The Master of Science in Management can also serve as a springboard towards doctoral research for those who wish to pursue a career in academia.

Master in Energy Management

R/0414/7/1118 (12/27) (MQA/SWA9745)

Our Master in Energy Management program integrates engineering, business, economics, governance, and policy development to craft a comprehensive educational journey, empowering students to navigate and contribute effectively to the dynamic field of energy and sustainability.

What to Expect

This program offers a fusion of core and elective courses, culminating in a research project. Students will delve into a robust curriculum covering diverse aspects of energy and sustainable management, providing them with a holistic understanding crucial for addressing the intricate challenges and opportunities within the energy sector.

Under the guidance of dedicated supervisors, students embark on a research project where they apply their acquired knowledge and skills to produce a meticulously detailed project. The final project undergoes internal examination by esteemed scholars and researchers, ensuring the highest standards of academic rigour and innovation.

Networking Opportunities

Students have the chance to forge meaningful connections with industry professionals, esteemed researchers, and like-minded peers. This dynamic network serves as more than just a professional resource; it's a gateway to endless possibilities for career advancement, collaborative projects, and invaluable mentorship.

Global Perspective

Students will explore energy management from a global perspective, delving into the unique challenges and opportunities across diverse regions and markets worldwide. They will prepare themselves for upcoming trends and technologies in the energy sector, positioning themselves as leaders in shaping the future of sustainable energy management.

🕒 1-3 years (full time)
2-4 years (part time)

📅 January, July, and September

🎓 Structure C
(by Coursework & Project)

Potential Career Paths

Graduates emerge from this programme primed for a myriad of career opportunities spanning energy corporations, sustainability consultancies, and government agencies, where the imperative focus on energy management and sustainability drives organizational goals. They adeptly step into positions as Energy Managers, Sustainability Consultants, Policy Advisors, Energy Efficiency Analysts, Renewable Energy Specialists, and Energy Management Trainers, leveraging their expertise to champion sustainable energy practices.

The Master in Energy Management also paves the path for graduates to advance into doctoral research and academia, fostering a continuum of scholarly inquiry and expertise development.

Shape the Future of Sustainable Energy Management and Drive Transformation in the Global Energy Sector.



Master in Engineering Management

R3/0414/7/0077 (02/27) (MQA/A7679)

Our Master in Engineering Management by Coursework and Project is a specialised academic programme designed to bridge the gap between engineering and business management, providing engineers with enhanced technical skills and a deep understanding of management principles to lead and manage engineering projects effectively.

🕒 1-3 years (full time)
2-4 years (part time)

📅 January, July,
and September

🏠 Structure C
(by Coursework
& Project)

Empowering Future Engineering Leaders with Expertise in Innovation, Sustainability, and Visionary Management to Achieve Engineering Excellence.



What to Expect

This programme consists of a combination of core and elective courses, followed by a research project. It provides a comprehensive blend of skills in operations management, managerial economics, project management, and strategic leadership, along with advanced business engineering knowledge, equipping individuals to effectively manage and lead complex engineering projects in a technologically evolving business landscape.

In close collaboration with dedicated supervisors, students will undertake a research project to put into practice the knowledge and skills they have acquired to produce a concise and detailed project, which will be examined internally by a reputable researcher upon completion.

Potential Career Paths

This programme opens career opportunities in diverse sectors such as technology, manufacturing, project management, and consulting, where the blend of engineering and management skills is highly valued. Famous roles for graduates include Project Managers, Operations Directors, Engineering Managers, Technical Consultants, and Strategic Planners, leveraging their dual expertise in engineering and management.

The Master in Engineering Management also unlocks the opportunity for graduates to progress to doctoral research and academia.

Master of Business Administration

R3/0414/7/0025 (02/27) (MQA/A7678)

Our Master of Business Administration by Coursework and Project is a comprehensive, graduate-level course offering in-depth knowledge and practical skills across various business disciplines, including finance, marketing, and strategic management, designed to prepare students for leadership roles in the dynamic business world.

What to Expect

This programme consists of a combination of core and elective courses, followed by a research project. It provides a comprehensive education in business fundamentals, strategic insights, and a spectrum of essential skills, including leadership, decision-making, and innovative problem-solving, equipping for success in the dynamic and multifaceted business world.

In close collaboration with dedicated supervisors, students will undertake a research project to put into practice the knowledge and skills they have acquired to produce a concise and detailed thesis, which will be examined externally upon completion.

🕒 1-3 years (full time)
2-4 years (part time)

📅 January, July, and September

🏠 Structure C
(by Coursework & Project)

Potential Career Paths

Graduates of this programme are poised for diverse career opportunities in various sectors, such as finance, marketing, consulting, and technology, adapting to evolving business landscapes. Typical roles these graduates take include Business Analysts, Marketing Managers, Financial Consultants, Operations Directors, and Strategic Planners, where they apply their acquired business acumen and strategic insights.

The Master of Business Administration also unlocks the opportunity for graduates to progress to doctoral research and academia.



Crafting Tomorrow's Business Success with Forward-Thinking Insight, Strategic Decision-Making, and Progressive Leadership.

Master of Business Administration (Open Distance Learning)

N-DL/0414/7/0055 (08/28) (MQA/PSA16903)

Our Master of Business Administration (Open Distance Learning) mode by Coursework and Project is a comprehensive, graduate-level course offering in-depth knowledge and practical skills across various business disciplines, including finance, marketing, and strategic management, designed to prepare students for leadership roles in the dynamic business world.

The Open and Distance Learning program (“ODL”), is an educational approach that enables students to learn without being physically present in a traditional classroom. This mode of learning leverages technology and various instructional methods to deliver educational content to learners remotely. Some key benefits of ODL include Location Flexibility; Time Flexibility; Accessibility; Cost-effectiveness; Customisation; Technology Integration; Remote interaction; and Remote Assessment.

Overall, ODL expands access to education, promotes flexibility, and adapts to the diverse needs of learners in the modern era.

What to Expect

This programme consists of a combination of core and elective courses, followed by a research project conducted online. It provides a comprehensive education in business fundamentals, strategic insights, and a spectrum of essential skills, including leadership, decision-making, and innovative problem-solving, equipping for success in the dynamic and multifaceted business world. In close collaboration with dedicated supervisors, students will undertake a research project to put into practice the knowledge and skills they have acquired to produce a concise and detailed thesis, which will be examined externally upon completion.

Potential Career Paths

Graduates of this programme are poised for diverse career opportunities in various sectors, such as finance, marketing, consulting, and technology, adapting to evolving business landscapes. Typical roles these graduates take include Business Analysts, Marketing Managers, Financial Consultants, Operations Directors, and Strategic Planners, where they apply their acquired business acumen and strategic insights. The Master of Business Administration (ODL) also unlocks the opportunity for graduates to progress to doctoral research and academia.

🕒 1-3 years (full time)
2-4 years (part time)

📅 January, July, and September

🎓 Structure C
(by Coursework & Project)

Potential Career Paths

Graduates of this programme are poised for diverse career opportunities in various sectors, such as finance, marketing, consulting, and technology, adapting to evolving business landscapes. Typical roles these graduates take include Business Analysts, Marketing Managers, Financial Consultants, Operations Directors, and Strategic Planners, where they apply their acquired business acumen and strategic insights.

The Master of Business Administration (ODL) also unlocks the opportunity for graduates to progress to doctoral research and academia.



Doctor of Philosophy (Business Management)

R3/0414/8/0037 (02/31) (MQA/A9481)

Our Doctor of Philosophy, Business Management by Research is an advanced academic programme designed with an intellectually stimulating curriculum to heighten innovation, financial analytics and entrepreneurship, and general management skills to make significant academic and industry contributions. This programme also focuses on practical learning with a focus on leadership and change, ethical practices, and social responsibilities.

What to Expect

The Doctor of Philosophy (Business Management) requires students to explore and undertake a research project, as well as developing a thesis in related areas (and not limited to the following):

- Accounting
- Economics
- Entrepreneurship
- Environmental Management
- Finance
- Human Resource Management
- Information Systems Management
- Marketing
- Organisational Behaviour Management
- Strategic Management

🕒 3-7 years (full time)
4-7 years (part time)

📅 Open all year

🎓 Structure A
(by Research)

Potential Career Paths

Traditionally, PhD holders have found their careers predominantly in academia. Yet, the knowledge and skills developed in a Doctor of Philosophy programme are increasingly applicable across various industries. Graduates of this programme are adept at translating theoretical concepts into practical business and management solutions, as well as identifying effective resolutions to organisational challenges.





Future Proof Your Career

It is no secret that UNITEN graduates have the best of both worlds, from immersive learning in classes and lecture halls, to experiential learning, making room for hands-on learning and reflection to better connect theories in real-world situations. Choosing to study at UNITEN means your learning will go beyond our campus.

At UNITEN, we bring the industry into our classrooms to bridge the gap between academia and the professional world. Our unique approach includes getting industry experts to teach our students 2 weeks every semester for every module across the curriculum to expose students to industry trends and perspectives. This allows them to have a better idea on what is expected out of them and how they can assimilate into the industry once their programmes have ended. UNITEN also welcomes up to 50 visiting professors annually and up to 590 modules in the curriculum are taught by industry professionals. To date, 5 more new energy related courses will be introduced and added to the current selection of programmes.

Most importantly, students are introduced to skills and knowledge that are demanded by companies and organisations, therefore giving them a head start in preparing themselves to enter the workforce with the right skill set and capabilities. Additionally, since the industry also has the advantage of getting to know our students and their abilities in person through this programme, it paves the way for our graduates to make their mark in the industry, too as they are highly sought after and in-demand to fill the talent gaps in various industries.

Industrial linkages



ASK-PENTEST



SIEMENS
ENERGY

sarawak energy

Deloitte.



IndahWater



*ab



TOP GLOVE
TOP QUALITY, TOP EFFICIENCY

MTE
Materials Technology Educator Sdn Bhd



arvato

POS Aviation

POS Logistics

TheGrid



MIGHT
Malaysian Industry Government Group
for High Technology



NANOMALAYSIA®

NEUTO

SS
Karamuning

mrc malaysia
malaysia research consortium sdn bhd
www.mrc.com.my



KeTAPHA
KEMENTERIAN TERAGAL,
TEKNOLOGI HIDAU DAN AIR

CyberSecurity
MALAYSIA

Globe
RESOURCES

YETTOSEE
DESTINATION MANAGEMENT

Your Support Network



LIBRARY

Our campuses, both in Putrajaya and Bandar Muadzam Shah, Pahang offer a conducive environment for students to thrive in their studies and enrich their experiences. With on-site libraries located within the university, students have unlimited access to books, periodicals, serials, conference papers, reports, standards, and non-book materials. The Information Resource Centre (IRC) in Putrajaya Campus focused its collection on engineering, computer science, and information technology subjects, whereas the IRC of Sultan Haji Ahmad Shah Campus (KSHAS) in Pahang Campus hosts a myriad of resources on business management and accounting.

STUDENTS STUDY AREA

Studying, whether for the individual or group of students, is never limited to just classrooms. UNITEN provides ample interactive co-studying spaces for students to make full use of. These spaces include seating areas for group and e-discussion, advanced learning, and more than 200 reader spaces for students to relax and refresh their minds while writing their assignments at the IRC. During examination week, IRC also offers 24-hour Study Area for students to focus on their revision.

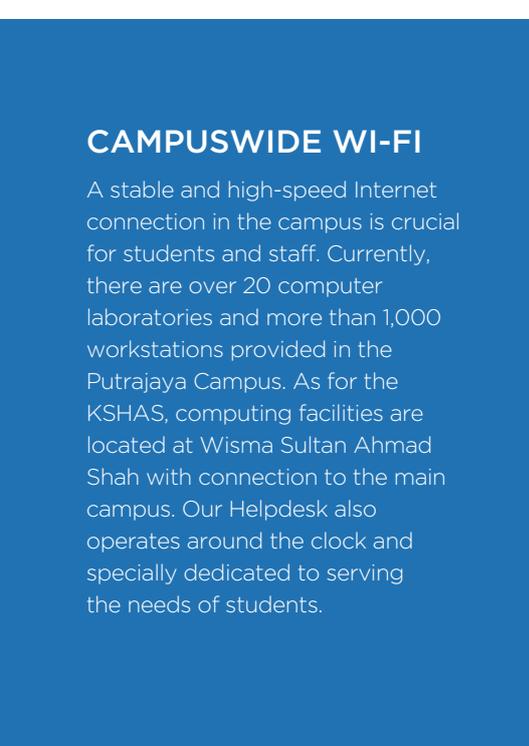
DISABILITY & WELL-BEING

As a university that aims to be the first green campus in Malaysia, a fully covered walkway and cycle path were constructed for students to stay active and spend time outdoor for a healthier body and mind. For students with disability, there are various supports available, including financial support through Bantuan Kewangan Pelajar Orang Kurang Upaya (BKOKU Scheme), support in learning, teaching and assessment practices, and physical environment support covering wheelchair ramps- around campus, ablution seats, toilets with handles, pedestrian bridge, and dedicated parking space.



GUIDANCE & COUNSELLING

Being away from home and families, as well as striving daily juggling classes and assignments can be overwhelming for some. Through its Student Guidance Unit (SGU), UNITEN offers guidance and counselling services to ensure that the mental health of our students are given sufficient attention and care. Assistance and guidance are not restricted to personal problems and stress management, as our trained counsellors are also capable of providing academic and career advice.



CAMPUSWIDE WI-FI

A stable and high-speed Internet connection in the campus is crucial for students and staff. Currently, there are over 20 computer laboratories and more than 1,000 workstations provided in the Putrajaya Campus. As for the KSHAS, computing facilities are located at Wisma Sultan Ahmad Shah with connection to the main campus. Our Helpdesk also operates around the clock and specially dedicated to serving the needs of students.



TRANSPORTATION

Both campuses in Putrajaya and Bandar Muadzam Shah have good connectivity for students to move around and outside campus. Among the services provided for students are internal and external shuttle bus services. For those feeling adventurous, there are always e-scooters for rent around campus! Travelling within and inter-state is also easy as there is a wide range of options spanning from the local public transportation network to e-hailing services.



HEALTH & WELLNESS

Staying active and healthy—mind, body, and soul, is vital to have the best of university life. Our Putrajaya Campus is conveniently located near 3 major government hospitals, namely Hospital Serdang (3km), Hospital Kajang (9km), and Hospital Putrajaya (11km) and several private hospitals, whereas students at KSHAS can get treatment from Hospital Muadzam Shah.



Sporting Facilities

SPORTS & ACTIVITIES

UNITEN encourages its students to live a healthy and balanced lifestyle. Students can find various sports facilities in our campuses, including an Olympic-sized swimming pool, tennis court, football field, and the gymnasium. The UNITEN Main Stadium, an impressive sporting arena that meets the requirements of national level athletics competition, is also home to 11 indoor courts for futsal, netball, basketball, volleyball, and sepak takraw. Outdoor courts, including for tennis and hockey, are available for students to utilise them for practice or simply to sweat it out after a long day of revision and attending lectures.





In the Heart of Putrajaya

Putrajaya is one of Malaysia's federal administrative capitals known for its futuristic architecture, lush green landscapes, and serene waterways. Putrajaya boasts iconic landmarks that showcase Malaysian cultural heritage and innovation, including the pink-domed Putra Mosque, Seri Wawasan Bridge, Putrajaya Corporation (PjC), Tuanku Mizan Zainal Abidin Mosque, and the Federal Court of Malaysia. Supplementing these landmarks, both Taman Wawasan and Putrajaya Lake offer residents and visitors respite from urban bustle. Furthermore, the UNITEN Putrajaya campus is just a seven-minute drive from the IOI City Mall, one of the largest malls in Southeast Asia, providing UNITEN students with a conducive environment and convenient location to further their studies.





PUTRA MOSQUE



SERI WAWASAN BRIDGE



PERBADANAN PUTRAJAYA



MASJID TUANKU MIZAN ZAINAL ABIDIN



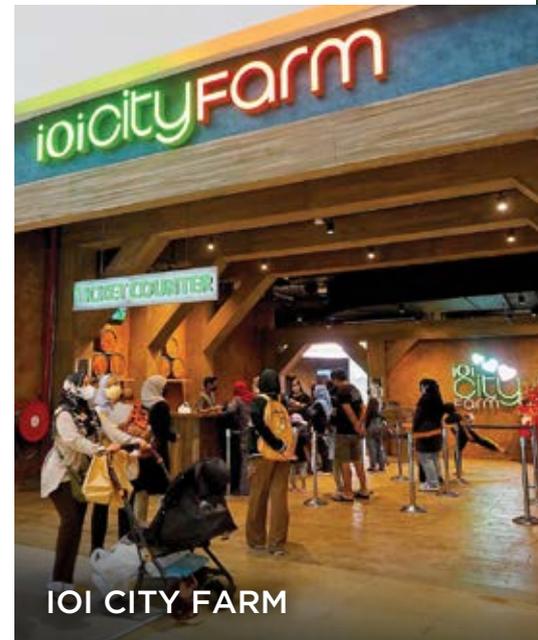
FEDERAL COURT OF MALAYSIA



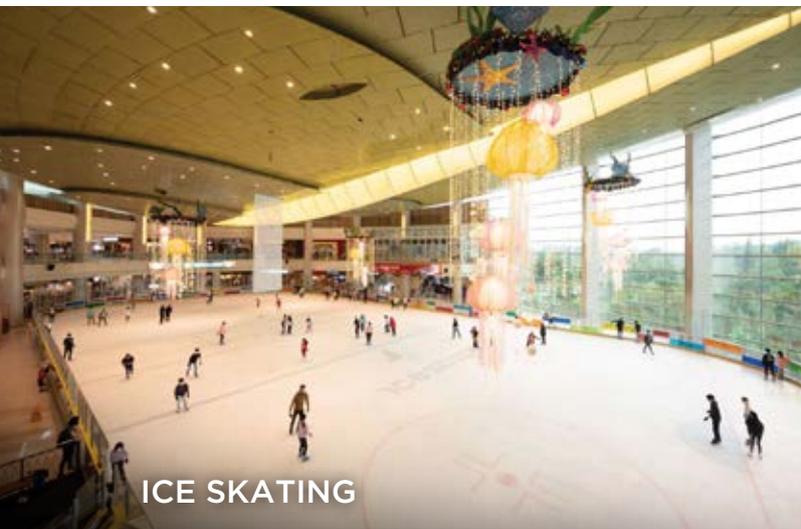
IOI CITY MALL PUTRAJAYA

Attractions around UNITEN Putrajaya

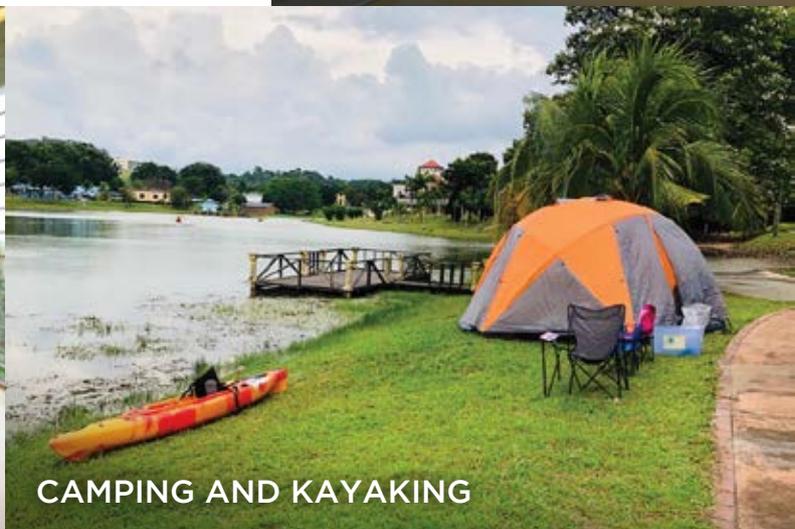
Around UNITEN Putrajaya, students have access to a range of attractive places and activities to explore, including flyboarding, an extreme park, an indoor animal farm, camping, kayaking, and more. Their lives are infused with challenges and excitement. Additionally, one of the largest malls filled with activities is conveniently located approximately five minutes' drive away from UNITEN. IOI City Mall is a vibrant hub where shopping, dining, and entertainment converge. Spanning 1.5 million square feet, it offers a diverse retail mix and a culinary journey through local and international flavors. Thrill-seekers can enjoy its state-of-the-art cinema and indoor theme park. Beyond its offerings, it's a community space, hosting events and fostering connections.



IOI CITY FARM



ICE SKATING



CAMPING AND KAYAKING



DISTRICT 21



INDOOR ROLLER SKATING



FLYBOARDING



GUIDED ECO RIDE SEGWAY TOUR



1

TAMAN NEGARA



2

MENARA KUANTAN 188



3

MASJID SULTAN AHMAD SHAH



In the Heart of Pahang

Pahang, as the largest state in Peninsular Malaysia, is known for its diverse landscapes and rich cultural heritage. From the majestic mountains including Cameron Highlands, to the pristine beaches along the East Coast, Pahang offers a plethora of natural beauty and outdoor adventures. Home to Malaysia's oldest national park, Taman Negara, Pahang boasts lush rainforests teeming with wildlife and stunning waterfalls. The UNITEN Muadzam Shah Campus, situated in the serene town of Muadzam Shah in Pahang, provides a distinctive educational experience amidst the region's natural splendour. Its strategic location enables students with easy access to outdoor activities such as hiking, camping, and exploring the nearby Endau-Rompin National Park, thereby enhancing their overall learning journey.



EAST COAST MALL KUANTAN



TIOMAN ISLAND



BERJAYA HILLS BUKIT TINGGI



TIOMAN SCUBA DIVING AND SNORKELING



CAMPING IN A CAVE

Attractions around UNITEN Muadzam Shah

Around UNITEN Muadzam, students get to explore the peaceful nature surrounding the university. They can do activities like hiking, obstacle courses, scuba diving, snorkeling, and relaxing by the seaside. This creates a conducive environment for students to focus on their studies without many distractions. For students, UNITEN serves as an ideal retreat location for studying.



BATHING ELEPHANTS



HIKING



RELAXING ON THE BEACH



EXCURSION AT TEA PLANTATION



FLYING FOX



PICNIC AT WATERFALL



Accommodation

For most students, being part of UNITEN is their first time living away from home. Our range of accommodation will surely help new students adapt to university life; all while enjoying independence in safe, sociable, and supportive surroundings.

While living costs may differ depending on individual expenses, and lifestyle, our types of accommodation are structured to fit different budgets and needs.

	On-campus accommodation (room)	Off-campus accommodation (room)	Shared apartment and house
WHAT YOU NEED TO KNOW	A convenient option for those looking to experience shared living space and interaction. The room comes with a comfortable single bed and mattress, study table and chair, storage space, wardrobe, mirror and fan.	An affordable option for those looking to experience shared living space and interaction. The room may be fully furnished, semi-furnished, or unfurnished depending on student's budget and preference.	An option that allows students to rent and share space with students or other individuals.
WHY IS IT A GOOD IDEA?	Convenient access to classes, libraries, sports facilities, and other amenities offered by the university.	More independence and options on types of rentals.	More independence and options on types of rentals.
WHY IS IT NOT AN ENTIRELY GOOD IDEA?	May be slightly expensive compared to the other options.	Students may need to purchase furniture and allocate transportation budget to get to university.	Students may need to purchase furniture and allocate transportation budget to get to university.

Funding Your Studies

For most students, financial circumstance could be a significant factor when considering pursuing higher learning.

Here at UNITEN, there are many sources of financial support to make postgraduate education more accessible, including university scholarships and funding options, externally funded research opportunities, and government postgraduate doctoral loans or scholarships.

MyBrain

The MyBrain 2.0 programme by Ministry of Higher Education (MOHE) is dedicated to Master and Doctor of Philosophy (PhD) studies at selected local public universities and private higher education institutes (IPTS) with priority given to the fields of Science, Technology, Engineering and Mathematics (STEM). 500 outstanding students are selected annually to receive funding support through this programme.

Being a Graduate Research Assistant or Research Assistant

Another convenient and popular option among postgraduates to 'earn whilst they learn' is taking on the role of Graduate Research Assistant or Research Assistant. Apart from the thrill of getting hands-on experience and involvement in innovative projects, students also get to develop mentoring relationship with faculty members, gain skills outside the classroom, and earn outstanding recommendation letters for graduate school or career.

Other scholarships for PG

UNITEN also offers comprehensive financial aid through various channels: scholarships, grants and education loans to assist students to help make their dreams come true. Our extensive list of scholarships also includes special incentives Yayasan Canselor Universiti (YCU) Postgraduate Scholarships, Graduate Excellence Programme (GrEP), and many more.

Read the requirements and eligibility at

 www.uniten.edu.my/scholarship-plus-aid/

Discounts for alumni

Additionally, we take cognisance of the difficult times and provide discounts for various categories of family income as well as alumni discount.

For more details, refer to:

 www.uniten.edu.my/scholarship-plus-aid/education-incentive-discount-diskaun-insentif-pendidikan/

ADDITIONAL DISCOUNTS

Type of Discount	Amount of Discount	Level of Study
Family Discount <ul style="list-style-type: none"> Siblings of UNITEN students Siblings of UNITEN employees Siblings of TNB Staff Working with UNITEN 	20% of Tuition Fees	<ul style="list-style-type: none"> Masters PhD
Loyalty Discount I <ul style="list-style-type: none"> Alumni UNITEN 	20% of Tuition Fees	<ul style="list-style-type: none"> Masters PhD
Loyalty Discount II <ul style="list-style-type: none"> Children of UNITEN Alumni Siblings of UNITEN Alumni Spouse of UNITEN Alumni 	20% of Tuition Fees	<ul style="list-style-type: none"> Masters PhD
Education Incentive Discount A (T20)*	10% of Tuition Fees	<ul style="list-style-type: none"> Masters PhD
Education Incentive Discount B (M40)*	20% of Tuition Fees	<ul style="list-style-type: none"> Masters PhD

Applying to UNITEN

Choosing to study at UNITEN is only the first step to unleash your potential and achieve your aspired academic excellence. Here are the next steps to take to embark on this journey:

HOW TO APPLY TO UNITEN

STEP 1 EXPLORE

Visit our website and explore programmes that match your interest and qualifications.

STEP 2 APPLICATION

Submit your application together with the required documents before the deadline.

STEP 3 PROCESSING

We process applications diligently and successful applicants will receive their Offer Letter subsequently.





UNIVERSITI TENAGA NASIONAL

Putrajaya Campus

Jalan IKRAM - UNITEN
43000 Kajang, Selangor
Malaysia

T +603-8921 2020

F +603-8928 7166

Sultan Haji Ahmad Shah Campus

Wisma Sultan Haji Ahmad Shah
26700 Muadzam Shah, Pahang
Malaysia

T +609-455 2020

F +609-455 2000

Uniten    