

Star Special

THE STAR, TUESDAY 17 DECEMBER 2024

POSTGRADUATE

Enhancing skills for success

THERE is no doubt that 21st-century economic dynamics have changed the landscape of business at home and abroad. All levels of management in corporate and industrial sectors seek cost-effective ways to stay afloat in the red ocean. One vital question remains: are the current human capital or talent resources able to adapt to the megatrends of disruptive changes?

The combined approaches of Management and Science University (MSU) to 21st-century learning and industry-driven education have established strong traditions that enhance current and future pools of human capital assets to address the challenges of the 21st-century Knowledge Economy. Global companies in Malaysia, the Asean Economic Community, and the Asia-Pacific are constantly on the lookout for innovative approaches to talent enhancement in sustaining business leadership beyond the national boundary.

The MSU Master of Business Administration (MBA), offered through the Graduate School of Management (GSM), focuses on equipping students with essential skills for talent development in the business and management fields. The MSU MBA is highly regarded in



MSU offers world-class teaching and strategic industry collaborations tailored to meet the demands of the 21st century.

21st-century education, attracting professionals and leaders who wish to develop business-related skills to address the growing human capital needs and emerging business perspectives worldwide.

By adopting global standards of industry best practices, the MSU MBA modules pioneer new directions in building capacity and enhancing key abilities for all levels of management; in business innovation, strategy and decision-making skills, across the

entrepreneurial, managerial, financial, ICT technology, governance and human resource spectra.

The MSU MBA seeks to transform real-world practice into classrooms for an immersive 360-degree experiential learning that excites. Advocating the United Nations Sustainability Goals (UNSDG), the MSU MBA incorporates practical dimensions in developing top-tier management skills encompassing entrepreneurial leadership,

strategic management, Islamic finance, project management and key business and management knowledge for the 21st-century market.

The MSU MBA's combination of affordable fees, world-class teaching and leading industry collaborations has enabled the creation of a sustainable network of graduates and managers who are well prepared to meet the demands of 21st-century business. The MSU series of CEO Talks and Entrepreneur Talks provide MBA students the opportunity to be up close and personal with global CEOs on cross-sectional approaches across the business and management spectrum.

MSU currently holds positions in the QS Top 100 best young universities in the world, the QS Top 150 best universities in Asia, the QS Top 30 best universities in South-East Asia and the QS Top 301+ for Graduate Employability Ranking. MSU is also listed in the QS World University Rankings (WUR) 2025 and the Times Higher

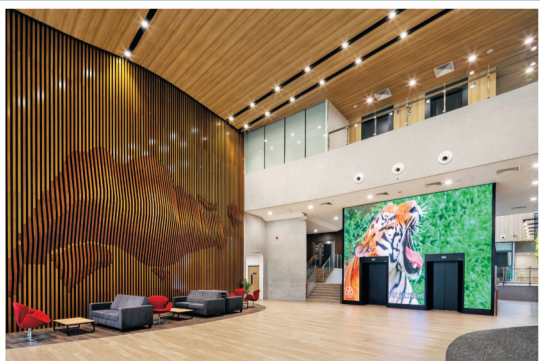
Education (THE) World University Rankings 2025.

Besides the MBA programme, the GSM also offers PhD and master's programmes in Management/Business, Accounting/Finance, Management, Educational Management and Leadership, Education (TESL), International Business, Counselling and Guidance, Fashion Business, International Hospitality and Tourism Management, International Event Management, Counselling and Guidance and Early Childhood Education.

MSU offers foundation, undergraduate, postgraduate and flexible programmes through an entry system that facilitates admission of students from all walks of life, where it aims at transforming lives and enriching the future.

■ For more information on postgraduate programmes offered at MSU, call 03-5521 6868, email enquiry@msu.edu.my or visit www.msu.edu.my

Master your path to success



MSc (Smart Industries and Digital Transformation)

Multidisciplinary Programme
(Offered by Six NUS Schools and Faculties)

Why Choose This Program?

Build essential Industry 4.0 skills to become a professional who blends technological expertise with business insights. Gain hands-on experience with advanced tools like AI and AR/VR, preparing for future-ready careers as Knowledge Analysts, Solutions Architects, or Industrial UX/UI Designer.

We incorporate learning opportunities both inside the classroom and out in the industry. A key

component of the program is the core Capstone Project Course, which enables students to apply all their learnings in collaboration with a sponsoring company to produce a prototype, minimum viable product, or innovation solution.

Intake - Aug 2025
Application Deadline - 31 Jan 2025

<https://masters.nus.edu.sg>

pgc@nus.edu.sg

Scan the QR code to find out more about the featured graduate degree programmes from NUS. Get in touch with us and let us guide you through the journey towards a prestigious NUS Graduate Degree.



Paving the way for a digital future

WITH robotics, automation, data analytics, and the Internet of Things (IoT), industries worldwide are being reshaped as Industry 4.0 revolutionises the way the world works, creates and innovates.

In this new era, success is not just about keeping up, it is about mastering both cutting-edge technology and strategic business acumen to stay ahead in a fiercely competitive global economy.

Recognising this need, the National University of Singapore's (NUS) Master of Science (Smart Industries and Digital Transformation), formerly Master of Science (Industry 4.0), is a multidisciplinary programme designed to prepare graduates for this rapidly evolving landscape.

The programme leverages the deep expertise of its six leading NUS academic



The 2024 cohort of the National University of Singapore's (NUS) Master of Science in Smart Industries and Digital Transformation kicked off their journey with an engaging orientation.

units which include the NUS Business School, School of Continuing and Lifelong Education, School of Computing, College of

Design and Engineering, Faculty of Science and Institute of Systems Science.

With manufacturing playing a pivotal role in Asian economies, governments are heavily invested in advancing Industry 4.0 initiatives, making this programme an ideal gateway to vast career opportunities for professionals who are eager to lead in this space.

NUS Master of Science (Smart Industries and Digital Transformation) academic director Prof Goh Puay Guan, shared how the programme structure encompasses perspectives and courses along process, technology and organisation. The programme was influenced by the Singapore Economic Development Board's (EDB) Smart Industry Readiness Index (SIRI), now part of the World Economic Forum Global SIRI initiative.

It offers both technical training in Industry 4.0 technologies as well as strategic business insight on technology application and implementation. This combination prepares graduates to support Singapore's and other countries' efforts to become a Smart Nation and thrive in an increasingly dynamic, technology-driven global economy.

Goh explains, "We aim to nurture T-shaped graduates – professionals with deep expertise in a specialised field along with broad knowledge across various Industry 4.0 domains."



Prof Goh Puay Guan.

"Beyond the classroom, students have the unique opportunity to participate in experiential learning, travelling to visit leading technology companies and innovation hubs worldwide."

processes to pinpoint operational inefficiencies and formulate solutions that enhanced productivity, preparing them to navigate and lead in the ever-changing technology landscape confidently and competently."

Cultivating a global perspective

Beyond the classroom, students have the unique opportunity to participate in experiential learning, travelling to visit leading technology companies and innovation hubs worldwide.

This immersive experience provides them with a global perspective on how the latest technologies are implemented in real business settings, deepening their understanding of global industry challenges and trends.

With NUS's world-renowned reputation in university rankings and faculties made up of highly qualified experts, students benefit from top-tier education that blends rigorous academic theory with meaningful industry engagement.

"The curriculum is continually updated to meet student needs and industry changes, ensuring students stay ahead of the curve and are prepared for the future with the latest technological advancements," Goh emphasises. "Applicants for this programme will benefit from having a technical background and foundational programming skills. Other applicants may fulfil the prerequisites by enrolling in bridging courses."

This combination of excellence in education and real-world experience ensures graduates of the Master in Science (Smart Industries and Digital Transformation) are well positioned to lead the charge upon graduation, equipped with the skills and insights to excel and shape the future of industries across the globe.

■ For more information about the programme, visit [masters.nus.edu.sg/programmes/master-of-science-\(smart-industries-and-digital-transformation\)](https://masters.nus.edu.sg/programmes/master-of-science-(smart-industries-and-digital-transformation)).

IMU University enters a new chapter where we go beyond medical and health sciences into the realms of business, technology and social sciences to shape tomorrow's global leaders. Unlock your potential with us today.

Step into the future
fuelled by our One Health vision



Centre for Pre-University Studies

Foundation in Arts

KPT/JPT(N/0011/3/0128)03/2029
MQA/PSA17403
APR . SEP

Foundation in Science

KPT/JPT(R2/010/3/0186)09/2028
MQA/FA3974
APR . JUL . SEP

School of Alternative and Complementary Medicine

Acupuncture (MSc)

KPT/JPT(R/721/7/0071)03/2027
MQA/SWA8570
SEP

Chinese Medicine

KPT/JPT(R2/721/6/0059)01/2027
MQA/A10260
FEB . APR . JUL . SEP

Chiropractic

KPT/JPT(R/726/6/0054)08/2026
MQA/A8294
APR . SEP

School of Business and Technology

Business Administration with Healthcare Management

KPT/JPT(N/0414/6/0180)01/2029
MQA/PSA17191
FEB . APR . JUL . SEP

Digital Health

KPT/JPT(N/482/6/0209)03/2028
MQA/PSA14380
FEB . APR . JUL . SEP

School of Dentistry

Dentistry

KPT/JPT(R3/724/6/0010)01/2030
MQA/FA7026
FEB . SEP

Endodontics (PG Dip)

KPT/JPT(R/0911/7/0003)05/2029
MQA/SWA12162
OCT

Implant Dentistry (PG Dip)

KPT/JPT(R/724/7/0019)06/2026
MQA/SWA6111
OCT

Prosthodontics (PG Dip)

KPT/JPT(R/0911/7/0002)05/2029
MQA/SWA12163
AUG

School of Health Sciences

Biomedical Science

KPT/JPT(R3/421/6/0011)12/2027
MQA/A8230
JUL . SEP

Dietetics with Nutrition

KPT/JPT(R2/726/6/0021)09/2029
MQA/A8176
JUL . SEP

Medical Biotechnology

KPT/JPT(R2/545/6/0014)09/2027
MQA/FA15505
JUL . SEP

Nursing

KPT/JPT(R/723/6/0125)04/2027
MQA/FA8944
SEP

Nursing #*

KPT/JPT(N-DL/0913/6/0001)09/2029
MQA/PA14397
APR . SEP

* Available to registered nurses only

Nutrition

KPT/JPT(R2/726/6/0011)06/2027
MQA/FA1298
JUL . SEP

School of Medicine

Bioveterinary Science

KPT/JPT(N/0841/6/0001)07/2029
MQA/PSA17574
JUL . SEP

Medicine

KPT/JPT(R2/721/6/0033)09/2026
MQA/FA6155
FEB . SEP

School of Pharmacy

Pharmaceutical Chemistry

KPT/JPT(R3/442/6/0003)01/2028
MQA/A8229
FEB . APR . JUL . SEP

Pharmacy

KPT/JPT(R2/0916/6/0020)09/2026
MQA/FA8374
JUL . SEP

School of Psychology and Social Sciences

Clinical Psychology (Master)

KPT/JPT(N/0313/7/0001)07/2027
MQA/PSA15641
SEP

Communication with Health

KPT/JPT(N/0323/6/0056)07/2029
MQA/PSA17573
FEB . APR . JUL . SEP

Counselling (Master)

KPT/JPT(N/762/7/0046)09/2026
MQA/FA12002
SEP

Psychology

KPT/JPT(R3/311/6/0013)09/2027
MQA/A8177
FEB . APR . JUL . SEP

School of Postgraduate Studies

Analytical and Pharmaceutical Chemistry # (MSc)

KPT/JPT(R2-CDL/442/7/0001)01/2027
MQA/FA1191
KPT/JPT(N-DL/442/7/0022)02/2026
MQA/PSA11367
MAR . SEP

Business Administration in Healthcare Management

(PG Cert / PG Dip / Master)

KPT/JPT(R/345/7/1082)09/2028
MQA/PSA11354
KPT/JPT(R/345/7/1090)12/2028
MQA/SWA11355
KPT/JPT(R/345/7/1085)10/2028
MQA/SWA11353
MAR . SEP

Diabetes Management and Education ** (PG Dip)

KPT/JPT(N-DL/0915/7/0004)11/2027
MQA/PSA16046
MAR . JUL

** Available in ODL mode only

Healthcare Management

(PhD)

KPT/JPT(N/0910/8/0002)10/2030
MQA/PSA16676
THROUGHOUT THE YEAR

Health Informatics and Analytics

(PG Cert / PG Dip / Master)

KPT/JPT(N/720/7/0131)09/2025
MQA/SWA13973
KPT/JPT(N/720/7/0130)09/2025
MQA/SWA13972
KPT/JPT(N/720/7/0129)09/2025
MQA/SWA13974
SEP

Health Professions Education

(PG Cert # / PG Dip / Master)

KPT/JPT(R/145/7/0066)09/2025
MQA/SWA05162
KPT/JPT(R/145/7/0064)09/2025
MQA/PA5163
KPT/JPT(R/145/7/0070)09/2025
MQA/SWA5164
KPT/JPT(N/0114/8/0001)09/2030
MQA/PSA 17112
MAR . JUL # . SEP #

Health Professions Education

(PhD)

KPT/JPT(N-DL/145/7/0120)02/2026
MQA/SWA14379
THROUGHOUT THE YEAR

Medical and Health Sciences

(MSc / PhD)

KPT/JPT(R2/720/7/0049)06/2026
A10618
KPT/JPT(R2/721/8/0043)01/2027
A3767
THROUGHOUT THE YEAR

Molecular Medicine (MSc)

KPT/JPT(R2/545/7/0078)07/2027
MQA/FA1299
KPT/JPT(N-DL/545/7/0101)09/2025
MQA/SWA11357
MAR . SEP . NOV

Pharmacy Practice (Master)

KPT/JPT(R2/0916/7/001)03/2029
MQA/SWA02796
MAR . SEP

Public Health # (MSc)

KPT/JPT(R2/720/7/0077)09/2025
A10261
KPT/JPT(N-DL/720/7/0811)09/2028
MQA/SWA11356
MAR . SEP

Available in Conventional and Open & Distance Learning mode (ODL)

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Advancing knowledge in chemistry

I AM Marcelina Aloyce Mtaló, and starting my university journey as an international student has been an exciting experience, brimming with both challenges and opportunities. Reflecting on my time at university, I recognise the significant growth I've achieved both academically and personally, particularly while managing my studies alongside an online job and family caregiving responsibilities.

Moving to a new country for education presents both exciting opportunities and significant challenges. The cultural diversity on campus has greatly enhanced

Marcelina Aloyce Mtaló managed to balance work, study, and family commitments while still achieving her goals.

my educational journey. At IMU University, I have encountered a profound level of acknowledgement and acceptance of differences, fostering respect for diversity, effective communication, and meaningful relationship-building with individuals from various cultural backgrounds. Celebrating the achievements and heritage of different communities has been a rewarding experience.

I had the privilege of engaging with peers from diverse backgrounds through international conferences focused on professional development and skill-sharing, which has expanded my perspectives and deepened my understanding of global issues. IMU provides numerous networking opportunities through workshops, seminars and career fairs, while also maintaining strong connections with both national and international universities. For example, I was able to conduct part of my research at another university, which significantly broadened my academic knowledge and facilitated multinational networking.

Participating in group projects and discussions has not only improved my communication skills but also highlighted the importance of collaboration within diverse teams. Thus, IMU is an environment where everyone can flourish.

The academic atmosphere at IMU University is markedly different from my prior educational experiences. The focus on critical thinking, scientific literature analysis, independent research and self-motivation has encouraged me to cultivate new study habits. I have effectively

learned to stay updated on scheduled programmes and activities, manage my time efficiently and balance both online and in-person lectures and assignments while adjusting to a new educational framework. Leveraging resources such as information technology services, academic advisors, and libraries have been instrumental in facilitating this transformation.

While pursuing my studies, I am also employed in my home country. Balancing my class activities, work responsibilities, and family commitments remotely can be quite challenging. However, I have organised my work and family obligations into specific time intervals to ensure they do not interfere with my academic pursuits. Fortunately, my job is aligned with my career goals, which provides an added benefit. Working in a field related to my studies enables me to apply theoretical concepts in practical situations, reinforcing what I learn in the classroom.

The university coursework is closely aligned with my career goals and surrogate skill development from various perspectives. One of the standout achievements is the enhancement of critical thinking, which equips me to analyse complex problems and make informed decisions. Engaging in presentations, literature reviews and group projects sharpen both my verbal and written communication skills, essential for any professional environment. Additionally, the coursework effectively boosts my technical competencies relevant to my career through programmes that integrate practical technological applications. This hands-on experience with current tools

greatly enriches my understanding and significantly enhances my fieldwork performance.

My experience as an international student has been incredibly enriching, marked by personal growth, challenges, and valuable lessons. Juggling work, family and studies has equipped me with vital life skills, including prioritisation, time management and adaptability. Additionally, the coursework I am pursuing not only deepens my academic understanding but also strengthens my technical abilities, paving the way for a successful career in the future.

IMU's MSc in Analytical & Pharmaceutical Chemistry programme encompasses drug discovery, drug design, drug development, techniques for the qualitative and quantitative analysis of drugs, quality management and the regulatory environment and research skills including writing proposals, scientific writing and specialised laboratory skills. The programme is accredited by the Royal Society of Chemistry, UK, the world's leading chemistry community and the oldest chemical society in the world. Accreditation by the Royal Society of Chemistry is a formal recognition that the programme is in line with international quality and standards.

The next commencement of this programme is in March 2025. If you are interested in joining this programme, make an online application today.

■ For more information on this or IMU's other postgraduate programmes, call 03-2731 7272, email postgraduate@imu.edu.my or visit www.imu.edu.my

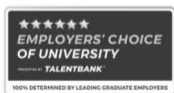


Enhance your life by pursuing postgraduate studies at Management and Science University.

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- . Educational Management and Leadership
- . Education (Teaching English as Second Language)
- . International Business
- . Fashion Business
- . International Hospitality and Tourism Management
- . Early Childhood Education
- . Counselling and Guidance
- . International Event Management



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