



澳門科技大學

MACAU UNIVERSITY OF
SCIENCE AND TECHNOLOGY



澳門科技大學

Macau University of Science and Technology

MUST



▲ 圖書館大樓 Library Building

科大概況

澳門科技大學建校於 2000 年，發展迅速，已成為澳門規模最大的綜合型大學，也是海峽兩岸暨港澳二十強大學¹。大學致力為社會培養各類高質素人才，推行教研並重政策，注重辦學特色，追求卓越，使學術發展不斷踏上新臺階。大學已連續十年位列上海軟科發佈的“中國兩岸四地大學排名”的百強大學，2020 年位列第 17。大學更連續兩年位列《泰晤士高等教育》2020 年及 2021 年世界大學排名三百強²。2020 年，大學首次參與《泰晤士高等教育》亞洲大學排名，位列亞洲大學第 32 位³。大學坐落澳門氹仔島，校園佔地面積約二十一萬平方米，環境優美，交通便利，是學子求學及從事研究的理想之地。

辦學宗旨與發展願景

大學秉持“意誠格物”之校訓，恪守“增進文化交流，致力人才培育，促進經濟發展，推動社會進步”的辦學宗旨，緊貼澳門和國家發展所需，充分吸納國際一流大學的辦學經驗，創辦各類教育課程，培養基礎理論紮實、實踐及創新能力強、通曉中英雙語、德才兼備、符合科技與經濟全球化發展所需的高質素人才，同時積極拓展多元化和前沿性學術研究，促進大學跨越式發展，努力躋身亞太區知名學府行列。

院系設置與課程特色

經澳門特區政府批准，大學擁有博士、碩士、學士三級學位授予權，提供數十個學位課程供各類學員選擇修讀，授課語言以英語為主，部分課程以中、葡或西班牙語授課。除澳門本地學生外，大學吸引了大批中國內地和港台地區學生前來求學，目前各類在校生逾一萬四千人，其中博士及碩士研究生逾 4,700 人，本科生逾 9,300 人⁴。大學現設資訊科技學院、商學院、法學院、中醫藥學院、酒店與旅遊管理學院、人文藝術學院、醫學院、國際學院、藥學院、博雅學院、通識教育部，涵蓋文、理、法、管、商、醫、藥、旅遊、藝術、傳播、語言等學科門類課程。博雅學院除提供全日制學位課程外，還開設夜間學位課程和短期培訓課程，為有意繼續進修的人士提供終身學習的機會。

目前，本校畢業生就業和深造進修學習等均很理想，許多畢業生獲得國際知名學府的獎學金繼續深造，更有大批畢業生進入中國內地和港澳的政府機構和知名企業工作。

1 上海軟科發佈 2020 年“中國兩岸四地大學排名”百強名單

2 泰晤士高等教育發佈 2021 年《泰晤士高等教育》世界大學排名

3 泰晤士高等教育發佈 2020 年《泰晤士高等教育》亞洲大學排名

4 2020 年 9 月在籍生人數



師資隊伍與科研發展

擁有學識淵博、造詣精湛、經驗豐富的國際化師資隊伍，是發展優質教育和卓越研究的關鍵。大學現有講座教授、教授、特聘教授、副教授、助理教授等數百人，大部分教研人員擁有博士學位，同時具有在世界知名大學或研究機構的工作或學習經驗。除了既有的師資隊伍以外，大學也特聘一批名師為本科生和研究生授課，包括中國科學院院士、中國工程院院士、臺灣中央研究院院士、美國科學院院士、世界高被引科學家等頂尖學者。這批優秀學者為本科生授課及指導研究生，不僅能夠傳授最新知識和科研成果，更能擴大學生的國際視野和接受世界多元文化的熏陶。

大學崇尚學術自由，支持教師和研究人員開展多元化的學術研究，鼓勵團隊協作，創造新知識、新技術、新產品，促進學術多元發展，為澳門及國家發展服務。大學特別注重發展特色與優勢研究領域，如中藥質量與創新藥物、月球與行星科學、癌症與風濕病治療、系統工程、環境科學、智慧城市、建築與城市規劃、人力資源與博彩旅遊管理、澳門社會文化與可持續發展研究、兩岸四地跨域法律比較、藝術設計、傳媒、知識產權保護、海洋保護與開發利用、下一代互聯網、智能機器人技術創新、數學、拉丁美洲研究、澳門歷史、澳門知識產權服務等。大學鼓勵教研人員發表高質量的研究成果，近年來在國際 SCI/SSCI 的 Q1 第一區間學術期刊發表的高質量研究論文不斷增加，獲國內外發明專利授權則數倍增加。

經過多年建設，大學現有兩個國家重點實驗室：中藥質量研究國家重點實驗室及月球與行星科學國家重點實驗室，以及多個重大的研究院所及研究中心，如澳門藥物及健康應用研究院、可持續發展研究所、太空科學研究所、社會和文化研究所、澳門系統工程研究所、澳門中藥國際標準中心、仲裁與爭議解決研究中心、澳門傳媒研究中心、澳門環境研究院、澳門金融科技創新研究院、電影學院、下一代互聯網國際研究院、澳門創新中藥與產業化技術創新中心、智能機器人技術創新中心、澳門數學研究中心、澳門拉丁美洲研究中心、中國歷史研究院澳門歷史研究中心、澳門知識產權服務中心。2016 年，大學還新設了智慧城市研究院和澳門首個諾貝爾獎得主命名的實驗室“生物物理與中醫藥實驗室”。自 2018

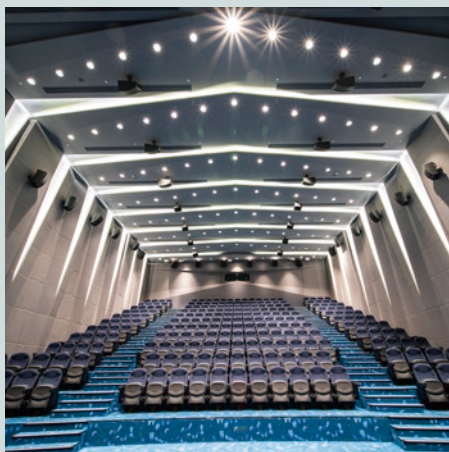
年，大學獲國家教育部批准，與內地五所高校共同建立人文社科重點研究夥伴基地及聯合實驗室。這些實驗室及研究所同時兼備教研方面的功能，為培養優秀研究人才提供實踐機會和研究平臺，亦對澳門社會持續發展和經濟適度多元發展作出新貢獻。2019 年，大學與珠海市人民政府簽署了框架合作協議，將在創新教育、前沿科技、優質醫療與醫學研究、醫藥與健康產業、下一代互聯網、空間大數據、人工智能、航空航天、優秀文化傳承、青年創新創業創造等領域拓展深度合作，共同推進大灣區科技的創新發展。

學生活動與生活配套

在教學設施方面，大學不僅校園優美，更有多座現代化教學大樓和一批設施完善的教學實驗室，以及館藏豐富的大學圖書館等。大學倡導兼容並蓄、和諧精業、尊師愛生，培育學生綜合素質和促進學生全人發展。大學設立導師制度輔助學生在學習和生活上解決疑難。大學鼓勵學生積極開展各種課餘活動，包括組織多種形式的學生社團活動，培養學生的組織能力和社會認知能力，同時拓寬知識領域。大學為學生提供開展豐富多彩課餘活動的各種設施，設立學生活動中心及鋼琴室、排演廳和多功能廳等，常年供學生免費使用。藝術團為學生提供施展藝術才華的舞臺，已成為大學的文化藝術品牌。創業就業發展中心協助學



▲ 科大醫院 University Hospital



▲ 影視廳 Movie Hall



生發掘自身潛能和專長，建立健康、良好生涯發展的核心價值，提升個人的競爭力，為進入社會就業創業做好規劃準備。學生事務處為學生組織參觀、考察和社區活動，亦鼓勵學生積極參與國內外各類專業競賽等，根據學生的興趣群體組織多種形式訓練班，及為學生提供生活輔導與心理諮詢。

校園內設置了便利店、銀行中心、學生餐廳、教學餐廳、廚藝天地、咖啡閣、電腦店和具奧林匹克運動會標準的田徑運動場、室內體育館和網球場等設施，提供學生鍛煉和衣食住行便利的場所。位於大學校園內的科大醫院為學生提供 24 小時校醫支援服務。科大醫院設備先進，除擁有本地專業的醫療團隊外，還有一批來自中國內地和香港等地的著名專科醫生。另外，大學配備有 24 小時的保安人員在校園和宿舍巡邏看守，以保障校園環境的秩序。

校園共五座學生宿舍，另有校區和澳門區宿舍，為師生提供了充裕的工作、學習和生活條件。新落成的 R 座是綜合教學大樓，設有演藝廳及電影院以及教室、研究和實踐型教學實驗室、工作室、學院辦公室及後勤支援配備室等已陸續投入使用。

學術交流與國際合作

國際化是大學發展的強勁動力，也是大學發展的重要方向。在學術管理上，大學根據澳門的社會及人文特點，充分吸納國際知名學府的經驗，建立適應大學國際化發展的管理理念與文化、管理模式與架構、管理制度與程式等，創辦具有先進管理水平的國際型大學。目前，大學在教育課程、學術研究、人才培訓、學生交流等領域，已與歐洲、美洲、澳洲及中國內地、臺灣、香港等近 100 多所教研機構建立了多種形式的合作關係，也是亞太大學聯合會 (AUAP) 及國際大學聯合會 (IAU) 成員。大學鼓勵學生海外交流，為優異生提供長、中、短期海外研習資助，大力支持畢業生向海外繼續升學或就業，包括保薦學生升讀海外研究生課程等。

展望未來，澳門科技大學將繼續以教研為本，廣納賢才，牢牢把握“質量”和“創新”兩個關鍵要素，充分發揮非牟利私立大學之優勢，不斷發展優質教育和卓越研究，服務社會，實現其辦學宗旨和教育使命。



▲ 學生宿舍 Student Dormitory

Introduction

Founded in 2000, Macau University of Science and Technology (M.U.S.T.) has rapidly developed into the largest multi-disciplinary university in Macao and is ranked among the Top 20 Universities in the Greater China¹. M.U.S.T. endeavors to educate students specialized in various fields, attaches equal importance to teaching and research, highlights quality of programs, pursues excellence, and has continuously reached new heights in academic development. For ten consecutive years, M.U.S.T. ranked among the Top 100 universities in the “Ranking of Top Universities in Greater China” released by Shanghai Ranking, and ranked 17th in 2020. M.U.S.T. ranked among the top 300 universities in the “World University Rankings” for two consecutive years in 2020 and 2021 by Times Higher Education². In 2020, the University debuted at The Times Higher Education Asia University Rankings 2020 and placed 32nd³. The University sits on Taipa with a campus of 210,000m². The beautiful surroundings and convenient transport render it an ideal place for students to pursue higher education and carry out research.

Mission and Vision

Upholding the motto of “Dedication to practical studies, Enhancement of knowledge, Ability and Quality”, M.U.S.T. adheres to its mission, “To promote cultural exchange, nurture intellectual growth, foster economic development and further societal progress”. The University aligns closely with the needs of Macao and the rapid development of the motherland, draws on and incorporate experiences from world-class higher education institutions, creates and offers a great diversity of educational programs, and aims to cultivate high-quality talents, who are solid in theories, competitive in practice and innovation, proficient in Chinese and English, noble in character, admirable in morality, and adaptive in the context of a globalized economy. In the meantime, M.U.S.T. puts forth great efforts in conducting multi-disciplinary cutting-edge research, and strives to fulfill a leap and join the ranks of renowned universities in Asia-Pacific.

Faculties and Programs

Macao S.A.R. government has authorised M.U.S.T. to award academic degrees at doctoral, master and bachelor levels. To cater to different interests from different people, M.U.S.T. offers tens of programs that are conducted mainly in English, with some conducted either in Chinese, Portuguese or Spanish. In addition to local students, M.U.S.T. attracts a great many students from mainland China, Hong Kong and Taiwan. Currently, there are more than 14,000 students enrolled at the University, with over 4,700 master and doctoral students and over 9,300 undergraduate students⁴. As of today, M.U.S.T. owns the following faculties/departments: Faculty of

¹ “Ranking of Top Universities in Greater China” 2020 released by Shanghai Ranking

² “World University Rankings” 2021 released by Times Higher Education (THE)

³ “Asia University Rankings” 2020 released by Times Higher Education (THE)

⁴ Statistics based on the number of students in September, 2020



Information Technology, School of Business, Faculty of Law, Faculty of Chinese Medicine, Faculty of Hospitality and Tourism Management, Faculty of Humanities and Arts, Faculty of Medicine, University International College, School of Pharmacy, School of Liberal Arts and the Department of General Education, providing a wide range of courses, including social sciences, science, law, management, business, medicine, pharmacy, tourism, art, communications and language. In addition to degree programs offered by The School of Liberal Arts, the School also provides evening degree programs and a wide range of short courses (daytime/evening) for lifelong learners and people who wish to enrich their knowledge.

So far, the employability and the opportunity to further studies of M.U.S.T. graduates proves to be highly satisfying. A number of graduates have received scholarships from world renowned universities to continue further studies abroad, and an even greater number of graduates have taken up employment in government departments and well-known enterprises in Mainland China, Hong Kong and Macao.

Faculty members and Research Development

The key to excellent education and extraordinary research is to have a knowledgeable, professional, experienced and internationalized faculty team. M.U.S.T. has hundreds of chair professors, professors, distinguished professors, associate professors and assistant professors. The majority of the academic and research staff have obtained PhD degrees and have either worked or studied in world-renowned institutions and universities. In addition, M.U.S.T. has invited a group of world-class specialists and experts to teach undergraduate and postgraduate courses. These specialists include academicians from Chinese Academy of Sciences, Chinese Academy of Engineering, Academia Sinica in Taiwan, United States National Academy of Sciences, Highly Cited scholars and other top scholars. By teaching courses and supervising graduates, these outstanding scholars impart newest knowledge, disseminate latest research findings, and introduce students to international horizons and diverse cultures.

Academic freedom has always been the pursuit of the University. M.U.S.T. supports academic staff and researchers to develop diverse research projects, and encourages teachers to collaborate and produce new knowledge, new technology and new products, so as to advance diversified academic development and provide services both for Macao's and national progress. M.U.S.T. focuses on developing characteristics and research areas where the University has strengths, for example, quality control and innovative drugs in Chinese medicines, lunar and planetary sciences, cancer and rheumatism treatment, system engineering, environmental science, smart city, architecture and city planning, human resources management and gaming tourism management. Other areas of interest are studies on Macao society, culture, and sustainable development, comparative studies of cross-regional laws in the cross-strait region, art design, media studies, intellectual property protection, marine protection, development and utilization, next generation internet, innovation for robotics technologies, mathematical sciences, Latin America studies, Macao history studies and Macao intellectual property service, etc.. M.U.S.T. encourages the faculty to publish high quality research findings. In recent years, our research publications at the Q1 zone of international SCI/SSCI academic journals have increased continuously, and the number of national and international patents granted has increased several times.

After years of development, M.U.S.T. now owns two state key laboratories, the State Key Laboratory of Quality Research in Chinese Medicines and the State Key Laboratory of Lunar and Planetary Sciences; and a number of prominent institutes and research centers such as Macau Institute for Applied Research in Medicine and Health, The Institution for Sustainable Development, Space Science Institute, Institute for Social and Cultural Research, Macao Institute of System Engineering, Macao Centre for International Standard of Chinese Medicines, Research Center for Arbitration and Dispute Resolution, Macao Media Research Center, Macao Environmental Research Institute, Macao Institute of Fintech Innovation,



▲ 模擬法庭 Moot Court



▲ 綜合化學實驗室
General Laboratory for Chemistry

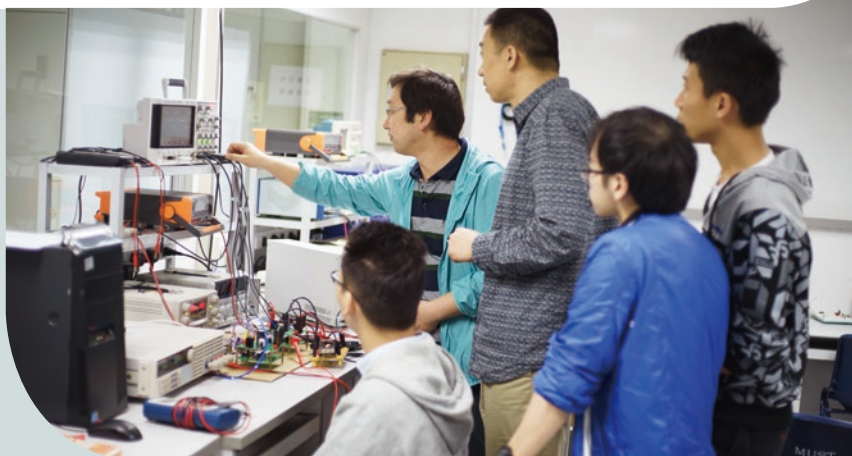


▲ 金木工實驗室
Metal & Wood Art Design Lab



▲ 教學廚房實驗室
Culinary Lab

◀ 網絡、通訊與計算機系統實驗室
Networks, Communications and Computer Systems Laboratory





Academy of Film, International Institute of Next Generation Internet, Macao Centre for Innovative Chinese Medicine and Industrialization Technology, Innovation Centre for Robotics Technologies, Macao Centre for Mathematical Sciences, Macao Centre for Research of Latin America, Research Centre for Macao History, Chinese Academy of History and Macao Intellectual Property Service Center. In 2016, the University established Smart City Institute and Macao's first Laboratory named after a Nobel Prize Winner "Biophysical Laboratory for Chinese Medicine". Since 2018, the Ministry of Education of People's Republic of China authorized M.U.S.T. to jointly establish the Key Research Institute of Humanities and Social Sciences Partner Base and Joint Laboratory with five higher institutions in Mainland China. These institutes and laboratories perform the functions of teaching and research simultaneously, not only providing practical training opportunities for outstanding research talents but also making great contributions to the studies on the sustainable development of Macao and the adequate diversification of Macao's economy. In 2019, the university signed a framework cooperation agreement with Zhuhai municipal people's government aimed to explore in-depth cooperation in innovative education, cutting-edge science and technology, quality health and medical research, medical and health industry, next generation Internet, Geospatial Big Data, artificial intelligence, aerospace, outstanding cultural heritage, youth innovation entrepreneurship and others, and eventually work together for the joint promotion of the Great Bay area's science and technology innovation and development.

Campus Life and Facilities

With respect to campus facilities, M.U.S.T. has a beautiful campus and several modern teaching buildings, well-established laboratories and rich collections of library resources in the library. M.U.S.T. advocates a harmonious, professional and caring campus which facilitates students to achieve all-round development and fulfill whole-person education. M.U.S.T. has set up a Mentor scheme to assist students in coping with problems in their studies and life. By holding many forms of student society activities, M.U.S.T. encourages students to actively participate in extra-curricular activities so as to develop organizational skills, improve social and cognitive abilities and broaden knowledge span. M.U.S.T. provides a diversity of facilities for students to engage in different kinds of colorful extra-curricular activities, for example, the establishment of a student center with multiple piano rooms, rehearsal rooms, multi-functional rooms, and other rooms that are open for students to use for free all year round. The Art Troupe has become a brand in art and culture of the University, and offers students a stage to showcase their artistic talent. The Center for Entrepreneurship and Career Planning helps students find their personal strengths and expertise to explore their own potential, establish a healthy, upright core value system in terms of career development, and enhance their competitiveness as well as planning and preparation to enter the labor market or entrepreneurship. The Student Affairs Office organizes visits, field trips and community activities for students. The University also encourages students to participate actively in various professional competitions locally and abroad. Based on students' interests, the Student Affairs Office coordinates all kinds of training to students and provides them with guidance and counselling services. The campus has convenience stores, bank centers, student restaurants, teaching restaurant, food studio, coffee corners, computer store, an Olympic-standard track with field stadium and gymnasium, and tennis court, providing conveniences for students to exercise and satisfy all their needs. The University Hospital is located at the campus providing 24-hour support and handles emergencies for students and staff. The hospital carries advanced equipment; in addition to a local professional medical team, there is also a specialist team of well-known specialists from Mainland China, Hong

Kong and other countries. Moreover, the University has a security force that patrols the campus and dormitories to safeguard an orderly campus environment.

The University owns five on-campus dormitories and two off-campus dormitories, providing sufficient work, study, and living environment for teachers and students. The newly completed Block O teaching complex has been put in use, providing a large number of classrooms, staff offices and teaching facilities. The Block R teaching complex is newly completed. It has a multifunction hall and movie house, as well as classrooms, research and practical teaching laboratories, studios, college offices and logistics support rooms.

Academic Exchange and International Cooperation

Internationalization has been an important momentum for M.U.S.T. It is also an important direction for M.U.S.T.'s future development. In terms of academic management, M.U.S.T. integrates the experience of world-renowned universities with specific local, social and cultural characteristics, and establishes its own management principles and culture, model and framework, and mechanisms and procedures, which fit well with the University's international outreach, and aims to become an international university with leading management standard. At present, M.U.S.T. has established multiple forms of partnerships with more than one hundred institutions in Europe, America, Australia, Mainland China, Taiwan, and Hong Kong in educational programs, academic research, personnel training, student exchanges and other areas. It has also become a member of the Association of Universities of Asia and the Pacific (AUAP) and the International Association of Universities (IAU). M.U.S.T. encourages students to engage in overseas exchange programs and provides long-term, mid-term, short-term funding for outstanding students to study abroad. It also gives support to students to pursue further overseas studies or overseas employment in various ways, including helping students to seek further studies abroad through recommendations, among other means.

Looking ahead, M.U.S.T. will continue to attach equal importance to teaching and research, attract talents from all fields, hold tight to the two key elements: "quality" and "innovation", give full play to the advantage of a non-profit private university to continue to improve through excellent education and outstanding research, serving the society to fulfill its mission.

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