What Mapúans are really made of

Armed with comprehensive knowledge – both in theory and practice – and proficient technical skills, the graduates of Mapúa Institute of Technology are shaped to become innovators and leaders.
MAPÚA PUTS A PREMIUM ON SCIENCE AND TECHNOLOGY EDUCATION

What does S&T have to do with nation building?

Without a doubt, the most advanced nations in the world today are scientifically and technologically progressive.

Scientific and technological (S&T) knowledge results in the creation of new products and services that have great value and wealth. New scientific knowledge being churned out, coupled with the development of cutting-edge technologies, can propel a country to unimaginable growth. Rapid advances in computing, information, and bio technologies are chiefly the bases for the economic growth of many countries, particularly Japan, South Korea, and Taiwan in Asia. With this in mind, the Philippines should also come up with a development agenda that is “technology explicit.”

“There is no other way. If you want to feed your people adequately, you can only do that if you are able to harness technology to improve food production. If you want to take care of their health, you also need technology. If you want to give them employment, an employment scheme that will be inclusive, that will also provide jobs to people who have not been through adequate schooling, you need technologies for all of these,” Dr. William G. Padolina, president of the National Academy of Science and Technology Philippines and former Department of Science and Technology secretary, said. “You will have to match technology with governance, or maybe a simpler term is management because then decisions have to be made, choices have to be made. You have to have a good basis; your information base must be solid, updated. So that’s where I think science and technology will serve development, especially in a country that’s poor,” he added.
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On the cover:
Engr. Renato L. Junio
Magna Cum Laude and Gold Medalist
Top 1, April 2013 Electronics Engineer Licensure Exam
Photo by Gerry Q. Castro
Mapúa puts...
from page 1
In the business sector, S&T knowledge, although intangible, is the most important asset of many companies. In order to be competitive, a country must provide an environment that produces scientific and technological support to the companies, said Dr. Reynaldo B. Vea, president and chief executive officer of Mapúa Institute of Technology.

Specifically, there has to be an environment that is responsive to the global scientific and technological advances, he said.

However, much still needs to be done to strengthen the S&T sector in the Philippines—especially in terms of research and development (R&D) and for it to be at par with its Asian neighbors.

Dr. Allan N. Soriano, the country's premier technological standard. 
If many a Filipino high school graduate today frame their dreams on a global scale, it would be because of the steady stream of globally-originated information in cyberspace and of the success stories of millions of Filipino professionals making their mark on the global physical stage.

Mapúa gets this, and we want our up-and-coming young people to start realizing their big dreams, too, by studying with us. We empower our students so that they can prepare themselves for eventual work and life in the Philippines and anywhere else on the planet. In order to do this, we have formulated globally-relevant student learning outcomes, designed our curricula around these desired outcomes, and sought to have our students attain these outcomes using learner-centered approaches.

As our Commission on Higher Education (CHED) implements an outcomes-based quality assurance system, Mapúa has stayed well ahead of the curve by being the first in Southeast Asia to voluntarily subject itself to and successfully hurdle an outcomes-based accreditation by the US-based ABET. One can say that Mapúa is now formally all leveled up to a global state of play!

Dr. Reynaldo B. Vea
President/Chief Executive Officer

"Mapúa is now formally all leveled up to a global state of play!"
Mapúa Institute of Technology was founded on January 25, 1925 by Don Tomas Mapúa, an architecture graduate of Cornell University in the United States and the first registered Filipino architect. He envisioned an educational institution that would emphasize the importance of science and technology and create an impact on the economy and the quality of life of Filipinos. The Institute was founded as a private non-sectarian institution for higher learning pioneering in technical education.

Initially a night school, it started with 40 students enrolled in civil engineering and architecture. Classes were held in a rented commercial building on Carriedo Street in Quiapo.

The Institute was not spared from the effects of the 1930s economic depression. With the expansion of its facilities, the curriculum was revised to take the entire collegiate department of the Institute.

In the late 50s, the Institute branched out to new departments, housing the School of Architecture and Engineering.

With the expansion of its facilities, the Institute has responded to the challenge of globalization in order to produce graduates who shall be at par with their foreign counterparts.

In 2013, the Institute has acquired a new international center of excellence in engineering and technology (ITE), business, health, and social science education. Mapúa shall lead in producing local graduates who are world-class professional engineers in the knowledge-based global economy of today.

In response to this vision, the present and 5th president of the Institute, Dr. Reynaldo B. Vea, has placed the strengthening of the curriculum programs on top of his agenda. The Institute has responded to the challenge of globalization in order to produce graduates who shall be at par with their foreign counterparts.

The source of quality graduates by the US-based ABET to 10 of its engineering and technology programs.

The Institute highly regarded as the only academic program that produces the best graduates in the country to move forward. The quality of its faculty and students have been rewarded and recognized over the decades for their innovative and creative minds, world-class skills, and hard work.

Mapúa’s competitive edge in the global stage, accelerated by international accreditation and internationally awarded research clayed by its faculty members, scores of its academicians.

Mapúa is one of the recognized Accreditors of Science and Technology (ACP) and internationally awarded research clayed by its academicians, scores of its academicians.

In 2010, the institute was granted accreditation by ABET for its Bachelor of Science in Information Technology (BSIT) and Bachelor of Science in Communication (BS Comm)

In 2011, the institute was granted accreditation by ABET for its Bachelor of Science in Biology (BS Biol Comm) and Bachelor of Science in Computer Science (BS CS)

In 2013, the institute was granted accreditation by ABET for its Bachelor of Science in Mechanical Engineering (BSME) and Bachelor of Science in Electrical Engineering (BSEE)

Mapúa’s efforts in this regard.
These self-motivated, technically proficient, and culturally sensitive professionals prepare local and international industries with their ability to communicate their ideas effectively and confidently in a multicultural and interdisciplinary environment.

Such competencies have been developed in them early or inside the halls of an academic institution whose core system evolved around the student-centered approach meant to better prepare students for their future. This student-centered approach is meant to better train students before they leave the Institute.

“Mapúa is the first school in the country to fully adopt the OBE system, which basically zeroes in on outcomes.”

Dr. Reynaldo B. Vea, Mapúa’s President and CEO.

For solutions to problems flourish inside an atmosphere that fosters innovative creations, critical and analytical thinking, and endless quest for solutions to problems through advanced knowledge and skills. This makes the students of Mapúa more proactive and adaptable to the changing needs of the industries, the society, the country, and the international community as a whole. This is the hallmark of the Institute.

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Dr. Reynaldo B. Vea, Mapúa’s President and CEO.

It has really taken root globally,” Dr. Vea noted.

An atmosphere that fosters innovative creations, critical and analytical thinking, and endless quest for solutions to problems through advanced knowledge and skills make Mapúans distinct.

On the issue of sustainable development, Dr. Vea said Mapúans are being trained to understand the impact of professional engineering solutions to societal and environmental concerns.

“The issue of sustainability that we want our students to learn is that sustainability is a fundamental part of the mission of the school. It is a mission that we emphasize among students.”

Dr. Vea.

For solutions to problems, students come up with design solutions for complex problems, with consideration for public health, safety, cultural, social, and environmental concerns.

On the issue of sustainable development, for instance, Dr. Vea said Mapúans are being trained to understand the impact of professional engineering solutions to societal and environmental concerns.

“Through these exposures to real world challenges and complexities, students are exposed to cutting-edge education, Mapúans are not only made to understand the impact of professional engineering solutions to societal and environmental concerns, but they are being trained to understand the impact of professional engineering solutions to societal and environmental concerns. The students are being trained in sustainability through their courses and extra-curricular activities. They are being trained to understand the impact of professional engineering solutions to societal and environmental concerns.”

Dr. Vea.

One can say that we have studied the proper values and providing them with cutting-edge education. Mapúans haveimbibed lifelong learning values for continuous self and professional development. All that is, they are technically competent and imbued with Mapúa core values of discipline, excellence, commitment, integrity, and relevance.

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A summary of the outcomes that are of national and global significance.

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The Institute is preparing its students with knowledge that will help them to become innovative creators, critical and analytical thinkers, and complex problem solvers, with consideration for public health, safety, cultural, social, and environmental concerns.

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These self-motivated, technically proficient, and culturally sensitive professionals prepare local and international industries with their ability to communicate their ideas effectively and confidently in a multicultural and interdisciplinary environment.

The Institute’s excellence is enhanced by topnotch professionals and experts that make up the Institute’s faculty composed of members.

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This cut above the rest:

Mapúans are technically competent and imbued with Mapúa core values of discipline, excellence, commitment, integrity, and relevance.

Influencing their spirit to become useful members of the society. It shapes its students to become scientifically- and technologically- literate individuals with sound moral, social, and spiritual values.

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Mapúa helps shape great minds

For almost nine decades now, Mapúans have been excelling in various fields all over the world as they lead in innovations that challenge the norms, change the way of thinking, and affect the society in general.

In the outcomes-based education system, graduates should be equipped not only with adequate knowledge but also with much needed skills for them to become part of a world-class workforce. Mapúa Institute of Technology is never short of names to fulfill this requirement.

Great minds are nurtured at Mapúa.

Brilliant minds such as Engr. Diosdado P. Banatao, an inventor in computing and semiconductors in Silicon Valley, Engr. Allan C. Supetran, head of the leading ACS Manufacturing, Inc., Engr. Anthony Leuterio, inventor of the first Filipino-designed high fidelity speakers, and Engr. Roel John C. Judilla, the brain behind the first Filipino-made bomb disposal robot, flourished inside the campus during their time. They are some of the Institute’s distinguished alumni who are making a mark in the local and international arenas with their ingenuity, creativity, dedication, and advocacy.

“During my time, competition was just so high. It elevated everybody. When my class took the board exam, we took the top 20. Ninety plus percent of my class passed the board exams. We were so competitive - so much excellence, so many scholars - that everyone got elevated,” Engr. Banatao recalled in his previous interview.

The electrical engineering graduate designed the first single chip, 16-bit microprocessor-based calculator, the first 10-Mbit Ethernet CMOS MAC and PHY CHIP, the first system logic chip set for IBM’s PC-XT and the PC-AT, the high speed local bus concept for the PC, and the first Windows Graphics accelerator chip for personal computers. Now running his own businesses, the US-based entrepreneur and venture capitalist continues to leverage technology in building companies. Amid all his accomplishments, Engr. Banatao is proud that he is a product of Mapúa as he described his stay at the Institute as a “very good experience” and where his engineering foundation was developed.

“I had good memories along the way, very good friends. We go on get-togethers, long weekends, after all these years. The last 22 years we bonded through pain, through triumphs. The fact that I still have connections - through my friendships at Mapúa - suggests to some degree that we bonded during our stay there. It was a good experience,” he said.

For him, engineering is a tough profession because generally “whether we recognize it or not, we are constantly pushing the envelope.”

“We take risks. Risks are always associated with going out and doing something no one has imagined. There are no textbooks every step of the way.”

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“Our tradition of excellence continues as young, bright minds at the Institute are molded not just to become globally competitive but also to become responsive to social and environmental issues. They are shaped to become innovators and leaders by instilling in them the proper values and providing them with cutting-edge education.”

Mapúa’s Toni Agudelo recently bagged the 2013 Shell Environment Award for technical innovators award. The Institute is one of the pioneers in the Shell Eco-Marathon Asia, and it has enjoyed a good run from the start.
Mapúa Institute of Technology has been successful in getting its academic programs accredited by both local and foreign accrediting bodies. These accreditations are external validation of the quality of the Institute’s academic programs. But Mapúa doesn’t stop there. As part of its efforts to continuously improve and enhance its systems and processes, Mapúa created the Continuous Quality Improvement Office (CQIO) in 2004.

The establishment of CQIO was also meant to complement its outcomes-based approach to education. The office has the mandate to consistently move the school toward higher levels of attainment of the program educational objectives and desired learning outcomes of the Institute’s academic programs. It conducts internal quality audits to check and monitor the Institute’s various academic and non-academic processes.

The results of the audits are the bases for improvements in its delivery of academic and student services. CQIO also manages and coordinates all activities relevant to the accreditation of academic programs by both local and foreign accrediting bodies.

Mapúan Edge

ABET Accreditation

As a move toward realizing its vision to be an international center of excellence in education, Mapúa has pursued the accreditation of its academic programs by ABET. ABET accredits college and university programs in applied science, computing, engineering, and technology in the U.S. and 23 other countries. An ABET accreditation is an assurance that a college or university program meets the quality standards established for the profession for which it prepares its students.

ABET only accredits programs and not degrees, departments, colleges or institutions. To date, the Institute’s eight engineering and two computing programs have ABET accreditation. They are the following:
• Electrical Engineering (EE)
• Electronics Engineering (ECE)
• Computer Engineering (CpE)
• Industrial Engineering (IE)
• Chemical Engineering (ChemE)
• Civil Engineering (CE)
• Environmental and Sanitary Engineering (EnSE)
• Mechanical Engineering (ME)
• Computer Science (CS)
• Information Technology (IT)

PACUCOA Accreditation

CQIO oversees preparations for the PACUCOA accreditation of the Institute’s academic programs. Relative to this, it checks the readiness of an academic program for an accreditation visit by ensuring that all accreditation requirements are fully met. To date, there are 13 academic programs of the Institute that are accredited by PACUCOA.

- Level IV: Civil Engineering (CE)
- Level III: Industrial Engineering (IE), Electrical Engineering (EE), Electronics Engineering (ECE), Computer Engineering (CpE), Environmental and Sanitary Engineering (EnSE)
- Level II 4th RA: Chemical Engineering (ChemE), Mechanical Engineering (ME)
- Level I: Computer Science (CS), Information Technology (IT), Materials Science and Engineering (MSE), Architecture (AR), Chemistry (Chem)

CHED Center of Development

The Commission on Higher Education has declared the Institute as the National Center of Development (COD) for CS, IT, CpE, ECE, ME, EE, EnSE, and IE programs. These programs are affirmed to have demonstrated high standards in the areas of classroom instruction, research and extension service, and manifested institutional leadership in the academic development of information technology.

ISO Certification

As part of its continuous improvement efforts, the Institute is also pursuing an ISO certification to ensure consistency and high standards in all its operating practices.

Candidate Status Accreditation under PACUCOA

- Nursing
- BS Psychology
- AB Psychology
The Mapúan Edge

Aside from the accreditation and recognition of its academic programs, Mapúa remains ahead of its competitors with its other initiatives and achievements.

For nearly nine decades, excellence has been the mark of Mapúa education, as reflected on the quality of its graduates. As it moves on with time and embraces globalization in the education sector, the Institute has been taking steps to further improve the quality of its education and other services. These include undertaking critical program and system certifications, fostering academic partnerships, upgrading infrastructures, expanding resources, and engaging in thrusts that will benefit its community and the entire nation such as the following:

Leader in outcomes-based education. Mapúa is the first academic institution in the Philippines to adopt the outcomes-based approach to education. This shift aims to provide Mapúans with solid educational foundation and qualifications that meet the needs and standards of the industries here and abroad.

Pro-Board Examination. The Institute has consistently produced topnotchers and maintained a high passing rate. Mapúa’s Development Office for passing rate.

Institutional linkages with universities have been made available for faculty research collaboration such as the Chung Yuan Christian University and Chia Nan University of Pharmacy and Science in Taiwan, University of Guam in Hawaii, University of Hawaii, LuKai University of Technology in Sweden, NARA Institute of Science and Technology in Japan, and South Korea-based schools Chung-Ang University, Changwon National University, Kwang Jin Technical Academy, and Kumoh National Institute of Technology.

Cyberspace Expansion. Learning Management Systems (LMS) like Moodle, Canvas, and Edmodo are now being used to facilitate and supplement teaching and learning activities inside and outside the classroom, including assessments.

The Institute has fully networked and Internet-ready computer laboratories (1:1 student-to-computer ratio) equipped with various application software such as: MATLAB, DIALux, Microsoft SQL Server, EDSA Technical 2000, TOEIC speaking, PEBL, Tekla Structure, Microsoft System Center 2012, and Microsoft Visual Studio.net 2005. These software applications can likewise be used by students and faculty members in the Open Laboratory.

Campus redevelopment is currently being undertaken by the Institute. A two-storey research building will soon rise at the Intramuros campus to house all its research laboratories. The research building is in line with one of Mapúa’s strategic initiatives, which is to develop its research capabilities. The South Building and the gymnasium will also be renovated.

The Institute also provides comprehensive online resources such as subscription databases which offer full text access to E-books (EBSCO, CVRL, Britannica Online, Access Engineering Library) and E-journals (ScienceDirect, IEEE Xplore, ACM, CINAHL). There is also a platform for searching the Library collection available 24/7 via the Internet through the LibrarySolution Web Online Public Access Catalog.

A faster web experience inside the Institute’s campuses, Mapúa’s entire Wi-Fi infrastructure was re-designed to allow easier access for mobile devices such as tablets and smartphones. Additional access points were also deployed across the campuses to increase Wi-Fi coverage.

The Institute employs Cisco instructors who conduct instructor trainings for CCNA Security, CCNA Routing and Switching, and IT Essentials.

Mapúa is the only school in the Philippines that offers advanced courses for Cisco Certified Network Professional track.

Mapúa is one of the recognized Academy Support Centers that offer baseline support and services to various Cisco academies in the Philippines.

Mapúans are prepared for the challenging of a multinational and multicultural work environment, with the inclusion of foreign language courses (Spanish, French, and Mandarin) in its undergraduate programs.

International OJT s and Plant Visits. One of the main initiatives that Mapúa focuses on until 2020 is the international OJT program. In 2008, Mapúa began sending students to Chung Yuan Christian University in Taiwan for research-internship program. By 2010, students were sent to major companies in Singapore. To date, Mapúa has a growing number of partners from different parts of the world including the US, South Korea, and Japan, Malaysia will soon be an addition to this list. The Institute also holds international plant visits to Thailand, Taiwan, and Singapore.

The Institute, through its Center for Career Services, offers wide-range placement services that provide opportunities for undergraduates, graduating students, and alumni to be exposed to local and international companies. These activities and initiatives include Career Expo, OJT Fair, Careerlink (Online Placement Services), Career Development Seminars, Graduates directory, On-Campus Recruitment, Job Ads Bulletin, Resume Book and On-the-Job Training.

The Institute also offers advanced programs in various fields such as architecture, automotive, marine, and aviation.

The Institute, through its president, has been recognized at the regional level, provincial level, and national level. Some of the special projects of students that obtained local and international recognitions are the Mechanical Anti-terrorist Concept (MAC) Robot, Gold Medal Award in the 1st World Cup of Computer-Implemented Inventions, Atalanta car prototype, 1st runner-up Safety Off-Track Award in 2010 Shell Eco-marathon (SEM) Asia, Amihan car prototype, 1st runner-up Safety Off-Track Award in 2011 SEM Asia; and the Aguila car prototype, Technical Innovation award in 2013 SEM Asia.

Commitment to carbon footprint reduction. As an advocate of environmental protection and preservation, Mapúa has implemented measures to reduce its energy and water consumption.

For the Institute’s recent achievements, please go to Mapúa website.
Intramuros campus

The Institute’s campus on Muralla Street in the historic Intramuros, Manila first opened in 1956, housing only its architecture and professional engineering courses. Over time, the Institute expanded its program offerings and facilities. The 17,990-square-meter campus now houses architecture and design, engineering and science, engineering management, social sciences, and multimedia and visual arts programs.

The Intramuros campus is easily accessible via buses, passenger jeepneys, LRT, and private vehicles. The Institute’s campus is easily accessible via buses, passenger jeepneys, LRT, and private vehicles. The Institute’s campus is easily accessible via buses, passenger jeepneys, LRT, and private vehicles. The Institute’s main buildings are interconnected. It has a gymnasium, a student pavilion and a chapel, among others.

The Intramuros campus is equipped with state-of-the-art facilities to aid its students in their learning and development. With more than 10,000 students in Intramuros, the Institute’s population continues to grow. Today, Mapua is widely recognized as the biggest engineering school in the Philippines.

Facilities

- Analytical and Physical Chemistry Lab
- Analytical Chemistry Lab
- Architectural Lab
- Art Studio
- AR MAC Laboratory
- ASTEC Power Lab
- Automotive Technology
- CE-EnSE Materials Testing Lab
- CE-EnSE Soil Mechanics Lab
- CE Open Lab
- CH-CE-Chem General Chemistry Lab
- CH-CE-Chem Organic Chemistry Lab
- CH-CE-Chem Pilot Plant
- CIM Lab
- Computer Lab
- CPCE Computer Lab
- DSP Lab
- ECE Communications Lab
- ECE Electronics Lab
- EE-ECE-CPE Research Lab
- EE-ECE-CPE Open Lab
- EE Power Lab
- EnSE Lab
- Environmental Research Lab
- Food Technology Laboratory
- Foundry
- General Engineering Computer Lab
- GS Computer Lab
- HVAC-R
- Hydraulics Lab
- IE Applications Lab
- IE Methods and Ergonomics Lab
- IE Open Lab
- Instrumentation and Controls Lab
- Logic Circuit Lab
- Machine Shop
- Machine Shop Wood Working
- MAS MAC I Computer Lab
- MAS MAC II Computer Lab
- MAS MAC III Computer Lab
- MAS Post Production Studio
- Materials / Nanotech Research Lab
- Mechatronics
- ME Computer Lab
- ME Lab
- Microscopy Lab
- Microprocessor Lab
- Organic Synthesis Research Lab
- PC Troubleshooting Lab
- Photography Lab
- Physics Lab
- Psychology Lab
- Special Project Lab
- UTM Center

School of Architecture, Industrial Design, and the Built Environment

The School of Architecture, Industrial Design, and the Built Environment is a dynamic and innovative center of excellence and a partner of the country in community and nation building. It employs research in creating designs for buildings, spaces, products, and services to keep up with technological developments while addressing social needs, market demands, and environmental concerns. Its main objective is to facilitate the learning and training process of future architects and designers, who are globally competitive and responsive to social and environmental issues.

Bachelor of Science in Architecture

This program is designed to guide students in progressively assimilating the creative and technical aspects of the profession while developing in them sensitivity to their rich cultural heritage. It aims to develop well-rounded individuals and prepare them to meet the challenges and dynamics of architectural practice.

Its training combines theoretical and practical aspects of the practice, with emphasis on the optimum development of the students’ conceptualization and creative skills. It is designed to cover a wide range of professional practice such as interior design, furniture and accessories design, visual merchandising, production design, exhibition design, interior landscaping design and lighting design. It also provides computer-aided design and drafting courses, building information modelling, internship and correlation courses to link the students to the latest trend in interior design practice.

Graduates of this program are primarily trained for professional practice or may specialize in any of the broad range of interior design services mentioned above.

Bachelor of Science in Industrial Design

This program is designed to develop a multidisciplinary professional design competence for the creative industry. It prepares students for a broad range of design services such as development of consumer product, packaging, furniture, craft, environmental, transportation, exhibitions, graphic and visual communications.

Training strategies combine both theoretical and practical aspects of design development, making use of innovative and technologically relevant instructions on general and specialized design courses.

Graduates of this program may become entrepreneurs or may practice professionally in any of the above-mentioned range of design services.
Bachelor of Science in Biological Engineering

This program studies the design, production, and operation of engineered systems in which living organisms are a major component. Our graduates aim to study and deal with structures, machinery, energy, labor, land, water, wastes, and resource variables related to the efficient creation of products and processes to fill human needs. They approach problems in the context of the whole system to balance society’s demand for products from biological resources with environmental integrity and economic success.

Graduates of this program may enter professional careers where can they apply fundamental engineering concepts to solve real-world problems. They may serve the needs of the society by designing, manufacturing, evaluating, and /or operating systems in which living organisms or biological products are a significant component, and they may contribute to their communities by continuing to engage in professional development, ethical decision making, and thoughtful discourse on contemporary issues.

Bachelor of Science in Materials Science and Engineering

This program aims to meet the demand for graduates of industries such as mineral, metal fabrication, foundry, semiconductor, ceramic and other related industries. It highlights courses in physical and engineering properties of materials, analytical techniques and material processing technologies. In addition, the program is complemented with courses in computer programming, waste recycling and biotechnology. Students may specialize in any of the two areas of Semiconductors & Electronic Materials and Metallurgy.

Bachelor of Science in Chemical Engineering

This program provides knowledge and training in research, process and product development, and operations in industries such as food and food preparations, pharmaceuticals, semiconductors, soaps and detergents, building materials, metal products, fermentation, textiles, petroleum and petroleum products, polymers, biotechnology and the like. It also covers design of pilot-scale operations and scale-up of laboratory conversions into larger scales.

Graduates of this program are expected to be involved in the preservation and improvement of society in the areas of process development in energy generation and utilization, food production, resource management, and specification and design of pollution control processes.

Bachelor of Science in Chemistry

This program provides a strong foundation on the core and emerging sub-disciplines of chemistry. It provides knowledge of and develops skills in undertakings such as composition analysis and testing of different materials and products, discovery of new pharmaceutical products and materials for construction, development of methods of pollution control and prevention and formulations for consumer products and others.

Graduates of the program may engage in one or more of the following activities: research and development, laboratory analysis and testing, quality control, production, environmental pollution control, technical sales and services, and market research and analysis.
Double Degree Programs

B.S. Biological Engineering and B.S. Chemistry

The program provides a strong foundation on core courses in both chemistry and biotechnology. Under this program, the students will complete two degrees and will receive two diplomas.

Graduates of this program may take the Philippine Board Examination for Chemists. They also have the option to practice as chemists or as biological engineers, or both.

B.S. Chemical Engineering and B.S. Chemistry

The program provides a strong foundation on core courses in both chemistry and chemical engineering. It complies with the required course offerings prescribed by the Technical Panel for Engineering and Architecture and the Technical Panel for Science and Mathematics of the Commission on Higher Education. Under this program, the students will complete two degrees and will receive two diplomas.

Graduates of this program may take either the Philippine Board Examination for Chemical Engineers or the Philippine Board Examination for Chemists, or both.

Joint Programs

B.S. Chemical Engineering–B.S. Chemistry–M.S. Chemistry

Under this multiple-degree program, the student will complete three degrees and will receive three diplomas. The program provides a strong foundation on core courses in both chemistry and chemical engineering. It complies with the required course offerings prescribed by the Technical Panel for Engineering and Architecture and the Technical Panel for Science and Mathematics of the Commission on Higher Education. Graduates of this program may take either the Philippine Board Examination for Chemical Engineers or the Philippine Board Examination for Chemists, or both, and can be a specialist in the field of chemistry. B.S. Chemical Engineering–B.S. Chemistry–M.S. Environmental Engineering

The program provides a strong foundation on core courses in both chemistry and chemical engineering. It complies with the required course offerings prescribed by the Technical Panel for Engineering and Architecture and the Technical Panel for Science and Mathematics of the Commission on Higher Education. Graduates of this program may take the Philippine Board Examination for Chemical Engineers and can be a specialist in the field of environmental engineering.

B.S. Chemical Engineering–M.S. Materials Science and Engineering

Under this program, the student will complete two degrees and will receive two diplomas. The program provides a strong foundation on core courses in chemical engineering. It complies with the required course offerings prescribed by the Technical Panel for Engineering and Architecture and the Technical Panel for Science and Mathematics of the Commission on Higher Education. Graduates of this program may take the Philippine Board Examination for Chemical Engineers and can be a specialist in the field of materials science and engineering.

B.S. Chemical Engineering–M.S. Environmental Engineering

The program provides a strong foundation on core courses in chemical engineering. It complies with the required course offerings prescribed by the Technical Panel for Engineering and Architecture and the Technical Panel for Science and Mathematics of the Commission on Higher Education. Graduates of this program may take the Philippine Board Examination for Chemical Engineers and can be a specialist in the field of environmental engineering.
School of Civil, Environmental and Geological Engineering

The School of Civil, Environmental and Geological Engineering (CEGE) upholds the values of critical thinking, social awareness, and environmental concern among its students. It commits itself to develop all frontiers of knowledge in civil, environmental, and geological engineering.

The School, while it imparts technical knowledge using the latest IT tools and state-of-the-art delivery of instruction, it also puts emphasis and focus on promoting a sustainability-oriented society. It is geared towards improving the quality of life of every Filipino and the welfare of the earth by sharing technical expertise and know-how.

Two of CEGE programs, the Bachelor of Science in Civil Engineering (BS CE) and Bachelor of Science in Environmental and Sanitary Engineering (BS EnSE), have been accredited by ABET, which is an international accrediting body. CEGE is now offering a double degree program, the B.S. Civil Engineering and Environmental and Sanitary Engineering (BS CESE).

Bachelor of Science in Geological Science and Engineering

This program is designed for students who intend to become professional geologists and/or those who plan to attend graduate school in geosciences. It is an interdisciplinary science that integrates geological observations and concepts with a range of fields including physics, chemistry, mathematics and modern technologies in the study of Earth’s processes, environments and history.

Graduates of the program may either pursue a career in industries including mining, petroleum, construction, and academia, or engage in environmental consultancy or government service.

Bachelor of Science in Geology

This program is designed for students who intend to become professional geologists and/or those who plan to attend graduate school in geosciences. It is an interdisciplinary degree program that applies physics, chemistry, hydrology, geology, and engineering in order to devise engineering solutions to geological problems faced by society.

Career opportunities for geological engineers include geotechnical, environmental, groundwater, mining, petroleum, and construction companies/consultancy firms or with government agencies.

Bachelor of Science in Environmental and Sanitary Engineering

This is an outcomes-based program focusing on the principles of ecology, chemistry and microbiology in applications that promote hygiene, sanitation, public health, and environmental protection and conservation. Basic courses in civil engineering are also incorporated in this program such as the fundamentals of theory of structures, reinforced concrete design, construction methods, among others. The objective of the program is to enable graduates to become successful environmental and sanitary engineers for the advancement of society.

Graduates of this program may either pursue a career in industries including mining, petroleum, construction, and academia, or engage in environmental consultancy or government service.

Bachelor of Science in Construction Engineering and Management

This is a combined study of the fundamentals of civil engineering and construction management. At the end of the program, students are expected to be knowledgeable on the fundamentals of Civil Engineering like planning, design and analysis, material testing and quality assurance, building systems, construction technologies, surveying, hydraulics and geotechnical engineering.

The program aims to produce graduates who can demonstrate deep understanding of management principles and their applications that are essential in construction projects such as economics, business, accounting, law, statistics, ethics, leadership, decision-making and optimization methods, process analysis and design, safety, and cost engineering.

Graduates of this program may practice as project managers, construction engineers, contract administrators, field supervisors, and building contractors in the private and public sectors.
School of Electrical, Electronics, and Computer Engineering

Bachelor of Science in Computer Engineering

This program provides required skills and competencies in the combined fields of computers, communications, and information technology. It will also help develop an understanding of the underlying concepts and their applications.

Graduates of this program may engage in the design, development, implementation, maintenance, and management of computer systems through the knowledge gained in the study of computer hardware and software, and their interdependencies in the areas of digital systems, computer architecture, microprocessors, data communications, computer networks, operating systems and computer programming using machine-level and high-level languages.

Bachelor of Science in Electronics Engineering

This program provides an extremely broad range of exciting activities and opportunities in the field of telecommunications and electronics engineering. It includes such topics as device physics, device operation, design of integrated circuits, communications and network systems, audio and video processing, robotics, electromagnetics, antenna systems, signal processing, control systems, and electronic materials, among others.

Graduates of this program may engage in the design, manufacture and development of integrated circuits and antenna systems, telecommunication systems and networks, audio and video processing, embedded computing, and the interface between biological and electrical systems.

Bachelor of Science in Electrical Engineering

This program deals with the study and use of technology and applied science involving electrical phenomena. It involves the application of the basic theories in the design, installation, operation, and maintenance of electrical apparatuses and systems as they are used in the generation, transmission, distribution and utilization of electrical energy for various commercial, industrial, and other purposes.

It is important that the student builds a good foundation in the areas of mathematics and physical science. It is oriented toward the understanding of the basic theory and concepts needed for entry into any of the many activities in the profession including but not limited to design, operations and management, teaching, sales and consulting.

The School of Electrical, Electronics, and Computer Engineering (EECE) is an academic unit of Mapúa that comprises three engineering programs, namely electrical engineering, electronics engineering, and computer engineering. The three programs of the school were granted Level III Reaccreditation by PACU COA and non-domestic accreditation by ABET-EAC.
Bachelor of Science in Industrial Engineering

This program deals with the design, improvement, and installation of integrated systems of people, materials, information, equipment, and energy. The program draws upon specialized knowledge and skills in the principles and methods of engineering analysis and design to specify, predict, and evaluate the results obtained from such systems. Graduates of this program may pursue a career in operations research, inventory management, facilities engineering, ergonomics, methods engineering, production and operations management, logistics and supply chain management, quality engineering, and systems engineering.

Bachelor of Science in Service Engineering and Management

This program blends technical engineering education with a core set of business and management courses. It aims to provide students with skills and knowledge to manage engineering activities and engineering organizations, leading them toward effective decision-making. It is designed to provide knowledge and develop skills necessary to manage organizations and engineering activities in the areas of planning, organizing, controlling, communicating, coordinating activities of people and systems, leading and motivating people, and effective decision-making. Graduates of this program may pursue a career in business planning, human resources management, project management and service management.

School of Industrial Engineering and Engineering Management

The School of Industrial Engineering and Engineering Management (IE-EMG) provides state-of-the-art delivery of basic knowledge in science, math, humanities and engineering. It has constantly produced industrial engineers who are able to plan, design, implement, and manage efficient and quality manufacturing and service systems in a professional and ethical manner.

Engaged in cutting-edge research, the school molds it students to become technically, economically, and managerially capable of pursuing their chosen profession in a humane and ethical manner. IE-EMG’s programs also aim to equip its graduates to successfully practice their profession for the advancement of society.
Bachelor of Science in Mechanical Engineering

This program combines the traditional, new, and emerging fields of mechanical engineering such as mechanics, thermo-fluid sciences, power systems, mechanical design, mechatronics, and renewable energy systems. In the final year of their study, the students undertake a research project and undergo an on-the-job training based on their chosen track, which could either be in mechatronics, automotive, refrigeration and air-conditioning, or petroleum refining.

Graduates of this program have a good preparation for professional practice in the areas of manufacturing, operation, maintenance, design, research, and management, and for graduate studies as well.

The School of Mechanical and Manufacturing Engineering

The School of Mechanical and Manufacturing Engineering (formerly the School of Mechanical Engineering) of the Mapúa Institute of Technology was established in 1940. The first batch of mechanical engineering students graduated in June 1948.

The mechanical engineering program was evaluated by the PACUCOA for Level II Fourth Re-accreditation in October 2011 and was granted Center of Development (COD) status by the Commission on Higher Education in May 2010. The program was accredited by the US-based Accreditation Board for Engineering and Technology (ABET) in 2011. The manufacturing engineering program was created and offered in July 2011.
Bachelor of Science in Management Science and Engineering

This program provides fundamental and advanced knowledge, tools, and methods in decision-making, policies formulation, organizational development, and problem solving associated with information-intensive and technology-based industries and economies. This is made possible by allowing the students to explore the depths of the program’s foundation, be exposed to the functional areas of its applications, and be involved in the dynamic interaction between the Institute and the industry.

Graduates of this program may pursue a career in actuarial science, entrepreneurship, academe, public policy analysis, consultancy, management, and financial analysis.

Mapúa’s Mathematics Department epitomizes the spirit of both science and engineering. It is an edifice that exemplifies a tribute to human creativity by transforming students to be critical and creative thinkers and lifelong learners.

The department delivers quality education in the field of mathematics, academic culture of performance, and technological advancement through its integrated approach in the development of the whole person. This is a collaborative endeavor of qualified, dedicated and effective administrators, faculty, and school personnel in well-maintained facilities.

On top of providing the students with a solid foundation and quality education in the field of basic mathematics, the department cultivates and develops the students’ analytical and methodological abilities in solving various mathematical problems. It also promotes the use of the latest network technologies through the concept of e-learning.

Established in 1947, the Department of Physics employs a focused and effective approach in teaching the basic principles of physics. It aims to develop a sense of logic and intuition that will benefit the students even after they graduate.

Aside from the students, it also provides support to all schools and departments of the Institute as it continuously promotes excellence, professionalism, and good values by keeping abreast of the new developments in science and technology.

It also ensures that it only employs competent faculty force by promoting extensive faculty development and continuing education program, and enhancing the research capabilities of its teaching staff.
Bachelor of Science in Psychology

This program is designed to provide training in the employment of systematic methods of inquiry in the study of human behavior. It functions as a training ground for students who want to deepen their knowledge of human behavior and psycho-physiological systems by employing concepts of biology, chemistry, biochemistry, and cognitive science.

With further specialized training, graduates of this program may pursue career paths in major sectors of society such as the helping professions (psychotherapy, medicine), education (teaching, research), business and government institutions (human resource selection, training and development), and civil society.

Bachelor of Arts in Psychology

The program is designed to effectively prepare students in employing systematic methods of inquiry in the study of human behavior. It aims to develop competencies in research and practice with special emphasis on the application of psychology in various relevant settings.

With further specialized training, graduates of this program may pursue career paths in major sectors of society such as the helping professions (psychotherapy, medicine), education (teaching, research), business and government institutions (human resource selection, training and development), and civil society.

Bachelor of Science in Technical Communication

This program is a fusion of the traditional Mapúa strength (engineering and technology education) and an emerging strength: English proficiency. It provides students with a strong foundation in liberal education to prime them for the core of the program: the integration of communication principles and practices with the concepts in the sciences, business, and information and engineering technology. It develops in the students the ability to think clearly and analytically so they can communicate technical and scientific information to a wide audience range – from experts to laypersons.

Graduates of this program may be hired as technical writers, copywriters, designers and editors of newsletters, brochures, manuals, and websites, designers of sales, marketing and advertising campaigns, instructional materials developers, usability testers, information specialists, creative directors, public relations specialists, lay-out artists, researchers, and trainers.

SLHS believes in making a difference by promoting total human development. It imbues the learners with a strong sense of citizenship and leadership in the country and in the larger global community, as it nurtures in them a keen desire for service. These, together with an emphasis on proficiency in English and Filipino, cultivate in the students a love for life-long learning. At the SLHS, nothing can be more important than the students.

School of Languages, Humanities, and Social Sciences

The School of Languages, Humanities, and Social Sciences (SLHS) stands in the forefront of Mapúa education. Its program of studies is directed toward fortifying the students’ ability for critical analysis and evaluation of circumstances and events around them. Armed with this ability, the students are able to make intelligent use of their talents and arrive at responsible decisions that spur prudent action.

SLHS believes in making a difference by promoting total human development. It imbues the learners with a strong sense of citizenship and leadership in the country and in the larger global community, as it nurtures in them a keen desire for service. These, together with an emphasis on proficiency in English and Filipino, cultivate in the students a love for life-long learning. At the SLHS, nothing can be more important than the students.
Bachelor of Science in Multimedia Arts and Sciences

This program is designed to train students to become contemporary visual artists and interactive media designers. Integrating the theoretical, creative, conceptual and technical aspects of design and development through the use of modern technology, the program aims to equip students with competencies in freehand drawing, computer graphic art, communication and programming for various multimedia applications such as desktop publication, web design, photography and digital imaging, 2D/3D animation, video production and computer games design.

Graduates of this program may occupy critical posts in printing, advertising, marketing, communications, cyber station, computer simulation and virtual reality laboratories, education and entertainment industries.

Bachelor of Fine Arts in Digital Cinema

This program is designed to train students who will join the ranks of the new breed of independent digital filmmakers. It aims to develop competencies and techniques to produce projects built on specific film tradition and film genre using current digital technology.

Graduates of this program will have careers in entertainment, public relations, advertising, educational media, technical writing, and freelance filmmaking job markets.

The School of Multimedia and Visual Arts of the Mapúa Institute of Technology offers programs that explore infinite possibilities of creativity and design. It aims to be the center of excellence in art and design education by providing utmost learning experience combining traditional and digital art. Its innovative curricula and instructions are delivered using state-of-the-art facilities and with outcomes-based education system as the foundation to meet the competencies required by the creative industries. The department’s ultimate goal is for its graduates to become successful professionals for the advancement of the society.

School of Multimedia and Visual Arts

Department of Physical Education and Athletics

It is the main objective of the Department of Physical Education and Athletics to encourage and motivate students to adopt and pursue a healthy and active lifestyle through education and involvement in sports and other variety of physical and recreational activities. It believes that engaging the students in athletic and friendly competitions will help develop and strengthen their character.

The Physical Education and Athletics Department provides a comprehensive and interdisciplinary education of and through human movement. It provides students with knowledge and skills to help them to be physically fit and strong. It hopes that the students will use these knowledge and skills to adopt a healthy lifestyle even after they leave the Institute.

It also encourages innovative approaches and meaningful participation in indigenous games, dances, and sports in a bid to revive and preserve Filipino heritage. The department also provides quality instruction that will enhance students’ critical thinking and creativity for them to be more appreciative of good health and skillful performance.
School of Graduate Studies

The School of Graduate Studies provides advanced training in science and technology and conducts research activities that are of national and global significance. It offers excellent graduate programs and its curricula are continuously updated to meet worldwide academic standards and industry needs. The school also promotes an atmosphere of innovative creations, critical thinking and incessant questions for answers.

Graduate Programs

Ph.D. in Chemical Engineering
Ph.D. in Chemistry
Ph.D. in Electronics Engineering
Ph.D. in Environmental Engineering
Ph.D. in Materials Science and Engineering
MS in Architecture
Specialization Track:
• Architecture Education
• Environmental Psychology
• Vertical Urbanism
MS in Civil Engineering
Specialization Track:
• Structural Engineering
• Construction Engineering and Management
• Water Resources Engineering
• Geotechnical Engineering
• Transportation Engineering
MS in Chemical Engineering
MS in Chemistry
MS in Environmental Engineering
MS in Geoinformatics
MS in Materials Science and Engineering
MS in Computer Engineering
MS in Computer Science
MS in Electrical Engineering (Power Systems)
MS in ECE Major in Control Systems
MS in ECE Major in Microelectronics
MS in Engineering Management
MS in Mechanical Engineering
MS in Industrial Engineering
Master of Engineering Program Specialization Track:
• Chemical Engineering
• Industrial Engineering
• Electronics and Communications Engineering
BS Chemical Engineering and Communications Engineering
Post-Graduate Diploma in Power Electronics

Joint Programs

BS Chemical Engineering and Chemistry – MS Chemical Engineering
BS Chemical Engineering and Chemistry – MS Chemistry
BS Civil Engineering – MS Civil Engineering

 Straight BS-MS programs

BS Chemical Engineering – MS Environmental Engineering
BS Chemical Engineering – MS Materials Science and Engineering
BS Civil Engineering – MS Civil Engineering Major in Construction Engineering and Management
BS Civil Engineering – MS Civil Engineering Major in Structural Engineering
BS Civil Engineering – MS Civil Engineering Major in Water Resources Engineering
BS Environmental and Sanitary Engineering – MS Environmental Engineering
BS Materials Science and Engineering – MS Materials Science and Engineering
BS Environmental Science and Engineering – MS Environmental Engineering
BS Electrical Engineering – MS Materials Science and Engineering
BS Computer Engineering – MS Environmental Engineering Management
BS Computer Science – MS Environmental Science
BS Electrical Engineering – MS Electrical Engineering
BS Electronics and Communications Engineering – MS Materials Science and Engineering
BS Electronics and Communications Engineering – MS ECE Major in Microelectronics

Magna Cum Laude and Gold Medalist Rizwan E. Junio received a high rating of 92.80% followed by Intist M. Javel, with a 91.70% rating, Timothy John R. Esterlan (88.80%) and Gerard Boy O. Elmanzo (88.70%), who graduated cum laude in February of 2012, landed in fifth and sixth places, respectively.

Two Mapúans also made it to the top successful examinees of the April 2013 Electronics Technician Licensure Examination, Mapúans claimed six spots in the top 10, namely second placer Alvin C. Purugganan (93.75%), fourth placer Lamberto B. Marcial Jr. (93.4%), fifth placers Neil Daniel C. Mallari and Efrah D. Manalo (93.15%), sixth placer Lorenz C. Lagatitman (93%), seventh placer Yoshiki C. Mikami (92.75%), and ninth placer Hart J. Miranda (92.95%)

Most grueling

Junio was ecstatic after learning that he did not only pass the board exam but also ranked No. 1. He attributed his achievement to his alma mater, family, and friends, as well as the review centers he attended.

The registered electronics engineer reviewed for three months, and that it was during that time when he had “to cut down on my sleeping hours, to drink more coffee to keep myself awake, and to spend less time with my friends” so he could focus on his review. He also sought the advice of his fellow Mapúans who already took the board exams. Reading motivational quotes before going to sleep also inspired him.

The most grueling period, however, was when he was waiting for the exam results, he said. To be able to divert his attention, he went on “to do the things that I wasn’t able to do during our review like watching movies, reading books, and meeting with my good old friends.”

When asked about his future plans, Junio said he plans to pursue a master’s degree while working either as a part-time professor or an exam reviewer.

“We now have what it takes to become successful engineers because of Mapúa. It indeed gave us a head start as we prepare for our future.”
School of Information Technology

Founded in 2000, Mapúa’s School of Information Technology (IT) continues to grow as one of the premier IT educational institution in the country. Throughout the past decade, the school has achieved tremendous success. From a single program of Bachelor of Science in Computer Science, it now offers three undergraduate programs, namely computer science, information systems and information technology. In 2007, the Commission on Higher Education granted Mapúa through the School of IT the recognition “Center of Development in Information Technology Education.” In 2011, two of its programs - BS Computer Science and BS Information Technology - were granted accreditation by ABET.

Bachelor of Science in Computer Science

This program provides the understanding of hardware and software concepts of computing and information transfer. It covers the design and analysis of algorithms, computer architecture, operating systems, structure of programming languages and advanced techniques in programming. The program includes courses for Cisco Certified Network Associates (CCNA) and employs a track-based curriculum where the students can choose from Advanced Cisco Networking, Data Management Systems, Java Programming, HP UNUX Technology, Microsoft .NET Technology as their field of specialization.

Graduates of this program may pursue careers as application developer, database administrator, information security analyst, network engineer / administrator, systems analyst / administrator, systems engineer, software engineer, IT project manager and Web developer / administrator.

Bachelor of Science in Information Technology

This program deals with the study and development of the use of hardware, software, firmware, services and supporting infrastructure to provide business solutions. It includes courses for CCNA and employs a track-based curriculum where the students can choose from Advanced Cisco Networking, Database Management Systems, Business Analytics, Java Programming, HP UNIX Technology, and Microsoft .NET Technology as their field of specialization.

Graduates of this program may pursue careers as business process analyst, database administrator, information security analyst, network engineer / administrator, systems analyst / administrator, systems engineer, software engineer, IT project manager and Web developer / administrator.

Facilities

Computer Laboratories
- HP-Unix Computer Labs
- Cisco Labs
- SOIT Computer Labs

Business and Management Facilities
- Business Center
- Accounting Room
- HRM Facilities

Other Laboratories
- MATLAB
- Physics Lab
- Chemistry/Biology Lab

Skills Laboratory

Ward and Private Rooms

Community Health Room

Food Preparation Lab

Hotel Lab

Bar

Simulated Hospital
- Operating Room
- Emergency Room
- Nurse’s Station
- Isolation Room
- Delivery and Nursery

Rooms

Database Management Systems, Business Analytics and IT Audit and Control as their field of specialization.

Graduates of this program may work as business process analyst, systems auditor, quality assurance analyst, systems implementation officer, management consultant and management analyst, among others.

Makati campus

The Institute’s 8,500-square-meter campus in Makati City is a three-storey building along Sen. Gil Puyat Avenue (formerly Buendia), and is easily accessible via passenger jeepneys, buses, and cars. It houses the School of Information Technology (SOIT), E.T. Yuchengco School of Business and Management, and the San Lorenzo Ruiz School of Health and Sciences, with a student population of more than 2,200. Its lobby has four units of 32” LED monitors and two units of 46” LED monitors where announcements and other important events are posted to keep the students informed and up-to-date.

The campus is equipped with state-of-the-art facilities to support its programs such as information technology, computer science, information systems, hotel and restaurant management (HRM), business administration, entrepreneurship, accounting, and nursing. It has computer laboratories (CISCO lab, HP-Unix Lab, standard computer labs), simulated hotel for HRM students (suite, standard hotel room, bar and restaurant, kitchen, baking area, laundry area, lobby), and simulated hospital (Nurse’s Station, operating room, delivery room and nursery, ward and private rooms, community health room, skills laboratory). The Library is equipped with a multi-media room and Internet services, MAC computers, OPAC and online databases of periodicals, general references, among others.

Business Analytics, Java Programming,
HP UNIX Technology, and Microsoft .NET Technology as their field of specialization.

Graduates of this program may pursue careers as application developer, database administrator, information security analyst, network engineer / administrator, systems analyst / administrator, systems engineer, software engineer, IT project manager and Web developer / administrator.

Bachelor of Science in Information Technology

This program deals with the study and development of the use of hardware, software, firmware, services and supporting infrastructure to provide business solutions. It includes courses for CCNA and employs a track-based curriculum where the students can choose from Advanced Cisco Networking, Database Management Systems, Business Analytics, Java Programming, HP UNIX Technology, and Microsoft .NET Technology as their field of specialization.

Graduates of this program may pursue careers as business process analyst, database administrator, information security analyst, network engineer / administrator, systems analyst / administrator, systems engineer, software engineer, IT project manager and Web developer / administrator.

Bachelor of Science in Information Technology

This program provides the understanding of hardware and software concepts of computing and information transfer. It covers the design and analysis of algorithms, computer architecture, operating systems, structure of programming languages and advanced techniques in programming. The program includes courses for Cisco Certified Network Associates (CCNA) and employs a track-based curriculum where the students can choose from Advanced Cisco Networking, Data Management Systems, Java Programming, HP UNUX Technology, Microsoft .NET Technology as their field of specialization.

Graduates of this program may work as computer science researcher, application developer, database programmer / designer, information security engineer, systems developer / analyst, software designer / engineer and quality assurance engineer.

Bachelor of Science in Information Technology

This program deals with the study and development of the use of hardware, software, firmware, services and supporting infrastructure to provide business solutions. It includes courses for CCNA and employs a track-based curriculum where the students can choose from Advanced Cisco Networking, Database Management Systems, Business Analytics, Java Programming, HP UNIX Technology, and Microsoft .NET Technology as their field of specialization.

Graduates of this program may pursue careers as business process analyst, database administrator, information security analyst, network engineer / administrator, systems analyst / administrator, systems engineer, software engineer, IT project manager and Web developer / administrator.

Bachelor of Science in Information Technology

This program provides the understanding of hardware and software concepts of computing and information transfer. It covers the design and analysis of algorithms, computer architecture, operating systems, structure of programming languages and advanced techniques in programming. The program includes courses for Cisco Certified Network Associates (CCNA) and employs a track-based curriculum where the students can choose from Advanced Cisco Networking, Data Management Systems, Java Programming, HP UNUX Technology, Microsoft .NET Technology as their field of specialization.

Graduates of this program may work as computer science researcher, application developer, database programmer / designer, information security engineer, systems developer / analyst, software designer / engineer and quality assurance engineer.

Bachelor of Science in Information Technology

This program deals with the study and development of the use of hardware, software, firmware, services and supporting infrastructure to provide business solutions. It includes courses for CCNA and employs a track-based curriculum where the students can choose from Advanced Cisco Networking, Database Management Systems, Business Analytics, Java Programming, HP UNIX Technology, and Microsoft .NET Technology as their field of specialization.

Graduates of this program may pursue careers as business process analyst, database administrator, information security analyst, network engineer / administrator, systems analyst / administrator, systems engineer, software engineer, IT project manager and Web developer / administrator.
Bachelor of Science in Accountancy
This program is designed to educate and prepare students who seek profession in the diverse field of accounting. Students are trained to develop skills in the field of financial accounting, public accounting, managerial accounting, external and internal auditing, accounting information systems and taxation to pass the CPA board examination. They are also taught hands-on application in Strategic Business Management.

The curriculum meets the requirements of Commission on Higher Education, Philippine Accounting Standards, International Accounting Standards and International Financial Reporting Standards. Our students join top 100 companies and big accounting firms for their on-the-job trainings.

Bachelor of Science in Entrepreneurship
This program is designed to enable the students to have an entrepreneurial mindset and develop their entrepreneurial research interest, which will enhance the students’ business acumen and help in the improvement of the community. Graduates of the program are expected to be opportunity seeking, innovative and skilled in all the functional areas of a business operation. They are oriented toward developing their own entrepreneurial ventures and successfully growing them into strong business enterprises.

Bachelor of Science in Business Administration
This program is designed to equip students with relevant attitude and skills to excel as business professionals and/or intrapreneurs. Students will have a choice of three tracks for their major: Marketing Management, Financial Management and General Management.

Graduates of the program are expected to be adept at seeking business opportunities, managing tasks and people and applying quantitative techniques that are helpful in the achievement of organizational goals.

Bachelor of Science in Hotel and Restaurant Management
This program is designed to integrate theory and technical skills to equip students with strong management and service orientation skills required in running a business in the hospitality industry. These skills meet the increasingly demanding standards of global hospitality. Theories and concepts are paired with realistic and extensive hands-on trainings in our fully equipped food production laboratory, mock-up rooms, bar, dining area and other facilities.

Graduates of the program will have career opportunities in the hospitality, food and beverage and travel and tourism industries such as hotels, restaurants, luxury ships, airlines, leisure and recreation, resorts and other related service industries.

E. T. Yuchengco School of Business and Management

Named after the founder of business conglomerate Yuchengco Group of Companies (YGC), Enrique T. Yuchengco, Mapúa Institute of Technology’s E. T. Yuchengco School of Business and Management (ETYSBM) was established on March 4, 2005.

The ETYSBM is committed to provide its students with world-class skills and knowledge and mold them so that they will become agents of positive change in the business community and society in general.

Currently, there are almost a thousand students enrolled at ETYSBM. The school’s faculty members are composed of highly trained professionals who have vast experience in their respective subjects. Chefs and hospitality specialists for Bachelor of Science in Hotel and Restaurant Management are among them. Preparations are now underway for the launching of an innovative MBA program. The target opening date is School Year 2013-2014.
The Center for Continuing Education and Special Competencies (CCESC), formerly the Continuing Education Program, was established in 1986 to provide supplemental course programs in computer application to Mapúa students. The success of its initial course offering bolstered CCESC’s resolve to expand its programs by introducing non-conventional and computer-based learning instructions covering advanced courses in engineering, information technology (IT)-related programs (hardware and software applications) and review module for engineering licensure exams.

With its vision of becoming a premier center for non-conventional learning, CCESC aims to utilize all technological breakthroughs and, through innovative and state-of-the-art instructions, raise the level of proficiency and global competitiveness of Mapúa graduates, in particular, and Filipino IT professionals, in general.

### Center for Continuing Education and Special Competencies

Short Courses:
- Android Mobile Phone Applications Development
- AutoCAD (Basic and Advance)
- C# Programming
- Cisco Certified Network Associate (CCNA-Exploration)
- CCNA Security
- Cisco Certified Network Professional (CCNP) – ROUTE
- Cisco Certified Network Professional (CCNP) – SWITCH
- Cisco Certified Network Professional (CCNP) – TSHOOT
- IC Design
- IT Essentials
- Java Programming (J2SE, J2EE, J2ME)
- Linux System and Network Administration
- VB.net Programming
- Microcontroller Program
- Microsoft Office Applications
- .NET Courses for students
- Financial Management for Engineers and Project Managers
- Quality Management System
- Decision Making Technologies
- Statistics for Engineers
- HVAC / R
- SAP Business One Program

Review Courses:
- Electronics Technician Licensure Examination
- Cisco Certified Network Associate Bootcamp

Multi-disciplinary Courses:
- Building Maintenance and Safety
- Process Management
- Project Construction Management
- Project Management

Training Courses with Academic Credits:
- Linux System and Network Administration
- SAP Academic Alliance Program
- TOEIC
- CCNA Routing & Switching courses
  - Introduction to Networks Routing & Switching Essentials
  - Scaling Networks
  - Connecting Networks

Risk Control Development Center:
- Basic Occupational Safety and Health - Construction Safety Management
- Emergency Disaster
- Loss Control Management
- Professional Safety Audit
- Project Risk Management
- Risk Control Management
- Confined Space

VUE Testing Services (Certification Examination):
- CCNA
- CCNP
- Cisco Certified Design Associate
- Cisco Certified Design Professional
- HP-Unix
- Huawei Certified Network Associate
- Linux Professional Institute (LPI)
- Lotus

Cisco Networking Academy:
- Cisco Academy Training Center
- CATC – CCNA Security for South Asia
  - Cambodia, Indonesia, Malaysia, Philippines, Singapore, Thailand and Vietnam
- Cisco Academy Support Center (ASC)
- Cisco Academy for:
  - CCNP Route
  - CCNP Switch
  - CCNP TSHOOT
  - CCNA Security
  - CCNA Routing & Switching
  - IT Essentials

Foreign Languages:
- French Language in partnership with Alliance Francaise de Marille
- Mandarin (Basic and Advance)
- Basic & Advanced Nihongo

Academy / Industry Partners:
- Microsoft
- PDLT
- Army Management Information Center
- Cisco Systems, Inc.
- Fluor Daniel
- Magneti Philippines
- Nokia Siemens Networks, Philippines
- Philippine Navy
- RJ Monster Radio
- SAP University Alliance Program
- Sun Microsystems, Pvt. Ltd.
- Sykes Philippines
- Cisco Core Council of the Phil.
- Pearson VUE Testing Services

Contact Information:
G/F North Building, 630 Muralla St., Intramuros, Manila 1002, Philippines
Telephone: (+632) 247-5000 loc 2100
Fax: (+632) 524-5572
E-mail: ccesc@mapua.edu.ph

E-mail: ccesc@mapua.edu.ph

Telefax: (+632) 524.5572

Intramuros, Manila 1002, Philippines
G/F North Building, 658 Muralla St.,
The ABET Advantage

Why a top US-based Filipino engineer raves about Mapúa's ABET-accredited programs

When Mapúa Institute of Technology obtained the prestigious ABET accreditation for its eight engineering and two computing programs in 2010 and 2011, alumni Engr. Gerardo A. Oconer was jubilant.

Engr. Oconer, who obtained his degree in B.S. Chemical Engineering in 1965 and M.S. Chemical Engineering in 1968 at the Institute, knew too well the significance of this feat. Now, he said, no Mapúa graduate would ever have to experience what he went through as he fought to become a registered professional engineer in Pennsylvania in the United States, where he migrated in 1971.

"A professional engineering (PE) registration is required by each state for a person to be allowed to practice professional engineering in the United States. The title 'engineer' cannot be used by any person who is not registered as a professional engineer," he explained.

In 2005, Engr. Oconer’s application for a PE registration was rejected by the Engineering Credentials Evaluation International. The reason: his program was not ABET accredited.

"Although my program was not ABET accredited at that time, I sincerely believed that my Mapúa engineering education is at par with those being offered in the United States," he said.

In fact, even before the ABET accreditation of 10 Mapúa programs, he got accepted in leading graduate schools in the US such as the University of California in Berkeley, Purdue University, and Illinois Institute of Technology (IIT) in Chicago.

"His acceptance to these schools was a testament to the quality of education he received from Mapúa," he said. "Not one to give up, Engr. Oconer, who earned his M.S. Environmental Engineering at IIT in 1986, pursued the issue further: "I provided the Pennsylvania PE Registration Board with additional description of all the courses shown in my transcript of records and explained why I think that the courses I completed at Mapúa meet their high standards and rigorous requirements for professional registration."

"With my persistence and great resolve, I was able to convince them that I am qualified to be registered as a professional engineer in Pennsylvania."

"I believe that today's ABET accreditation of Mapúa programs will enhance the chances of a Mapúa graduate to be accepted in leading graduate schools here in the US. This would definitely raise the standing and worldwide acceptance of all Mapúa graduates of these accredited programs," he added.

First in PH, Southeast Asia

The Institute is the first in the entire Southeast Asia and the Philippines to receive the prestigious ABET accreditation for its programs.

To date, the Institute’s eight engineering and two computing programs that have been accredited by ABET are:

- Electrical Engineering
- Electronics Engineering
- Computer Engineering
- Industrial Engineering
- Chemical Engineering
- Civil Engineering
- Environmental and Sanitary Engineering
- Medical Engineering
- Computer Science
- Information Technology

Filipino graduates of these accredited programs are way ahead of their competitors here and abroad. An ABET accreditation guarantees that that academic program meets the international standards.

And consider these privileges: automatic eligibility to take Engineer-In-Training Exam in the US; easier admission to graduate schools in the US; and automatic academic eligibility for membership in the International Professional Engineers Register (IPEER).

Only Mapúa can provide these unparalleled opportunities. Dr. Reynaldo B. Vea, Mapúa’s president and chief executive officer, said the Institute has leveled up to a global state of play with its 10 ABET-accredited programs.

"Although my program was not ABET accredited at that time, I sincerely believed that my Mapúa engineering education is at par with those being offered in the United States," he said.

For each program, we have studied and adopted globally acceptable student learning outcomes and used these as the organizing principle of all our academic and administrative endeavors – as only befits a school that envisions itself to become a global center of excellence," he said.

For Engr. Oconer, now a project associate at Sargent & Lundy Engineers in Chicago, he is grateful that Mapúa is taking a path that is more attuned to the needs of the present time.

"An ABET accreditation is very important because graduates of these accredited programs will automatically be qualified if they apply for a professional registration or if they want to enter into graduate schools in the US," he said.

The Institute’s efforts to address the challenges brought about by globalization – one of which is the ABET accreditation – would indeed boost the chances of its students to compete in the global arena.
Mapúa Institute of Technology provides world-class education to its students as it strives to become a global center of excellence in education. The Institute is the premier technological and biggest engineering school in the Philippines, with its graduates comprising professionals whose skills and knowledge meet the global standards.

Mapúa is the first school in Southeast Asia and the Philippines to receive the prestigious ABET accreditation for its eight engineering programs and two of its competing programs. The US-based ABET accredits college and university programs in applied science, computing, engineering and technology in over 20 countries. An accreditation by ABET means that the program meets the quality standards established for the profession for which it prepares its students. Graduates of ABET-accredited programs make them at par with their counterparts in the US and other countries that recognize ABET.

“Mapúa’s computer engineering program challenges students like me to not only go through the steps of getting a degree but also to get involved in activities outside the classroom. It’s been rewarding for me to grow as a person - not just academically - throughout my stay here at Mapúa. Every day, I meet so many different people and I learn new things from them. Mapúa also prepares me for the time when I have to go out and live in the real world.”

– Jaspreet K. Chahal, BS Computer Engineering, India

“The knowledge and skills I gain at Mapúa will empower me to help others when I return to my country. I am very excited about what I can do and I have plenty of ideas that I want to implement which will be useful to my country. Moreover, Mapúa education delivers the best knowledge to its students and I am strongly confident that I would be better equipped by the time I graduate. I am proud to be part of the Mapúa community as an international student.”

– Jacinto Julio Da Silva Soares, BS Environmental and Sanitary Engineering, East Timor

“I am happy to be involved with different kinds of people from different places around the world. I met them while studying here at Mapúa. Learning doesn’t happen just inside a classroom but also within a group of close friends.”

– Kevin Michael L. Abajero, BS Multimedia Arts and Sciences, Kuwait/Philippines
Entrance Exam Requirements for international students

• Applicants must be non-immigrants and have completed secondary education (high school or its equivalent). They must pass the Mapúa Scholastic Aptitude Examination (MSAE) or submit their Scholastic Aptitude Test (SAT) results with a score of at least 1600 before they become eligible for admission as first year students.

• Crediting of advanced college units is on a case-by-case basis.

• For non-native English speakers, applicants are required to take the Test of English as a Foreign Language (TOEFL) or International English Language Testing System (IELTS) before they become eligible for admission.

SAT, TOEFL, and IELTS cutoff scores

• SAT
  - Score of at least 1600 for all applicants

• TOEFL
  - Internet-based test: Score of at least 75
  - Paper and pencil-based test: Score of at least 500
  - Computer-based test: Score of at least 173

• IELTS
  - Overall band of 6.0, no single test score below 5.5

Note: Please present the original passport for verification.

If the applicant has not taken either TOEFL or IELTS upon application, he must pass the Mapúa English Language Test (MELT) to be given by the Institute’s English Language Center.

• For applicants coming from the US and Nigeria, please send an e-mail to admissions@mapua.edu.ph for application requirements.

Admission Requirements and Procedures

A. Change/conversion of admission status

A foreign applicant who is admitted into the Philippines under any visa category should apply at the Bureau of Immigration (BI) for the change/conversion of his admission status to that of a student.

B. Documentary Requirements:

All international students who wish to study at Mapúa are required to submit the following requirements to the Office of the Registrar for evaluation:

• Scholastic records or Transcript of Records duly authenticated by the Philippine Embassy in the applicant’s country of origin or legal residence.

• Certification of Graduation or Certificate of Completion of Secondary Education duly authenticated by the Philippine Embassy in the applicant’s country of origin or legal residence.

• Clearance from the National Bureau of Investigation (NBI) for a foreign applicant who resided in the Philippines for more than 59 days at the time he applies for the change/conversion of his admission status to that of a student

• Photocopy of applicant’s passport bio-page, latest admission and authorized stay of at least 20 days from the date of filing.

• National Intelligence Coordinating Agency Clearance

• BI Clearance Certificate

E. Upon submission of all documents, the Office of the Registrar prepares the documents and bills the student of the required fees.

F. The school Liaison Officer submits the documents to the BI and pays the required fees.

G. BI processes the conversion of visa.

H. The school Liaison Officer claims the visa after two weeks.

I. The Office of the Registrar informs the student when the visa is already available and assists the student in the enrollment.

Avelino C. Messele from Angola is a current student of Mapúa studying BS Electrical Engineering.
Student Services

Office of Student Affairs
The Office of Student Affairs (OSA) is responsible for creating a campus environment that is conducive to the learning process, safeguarding student welfare, promoting healthy communication among students, faculty members, personnel, and the administration, disseminating information to students, and identifying, monitoring, and acting upon the specific needs of the students.

It also promotes student empowerment by encouraging and supporting activities that cater to the diverse needs and interests of the students and student organizations and breed a sense of social responsibility, spirited citizenship, leadership skills, creativity, and true self-expression among the student body.

Office of the Prefect of Discipline
Headed by the Prefect of Discipline, the Office of the Prefect of Discipline (OPD) is responsible for maintaining the discipline of the campus and disseminating certificates of good moral character, and dissemination of information regarding policies on student activities or on student discipline.

Center for Guidance and Counseling
The Center for Guidance and Counseling (CGC) is an indispensable part of the academic community created to provide high quality programs and activities that will facilitate students’ holistic development. With an adequate number of professionally qualified counselors, the center offers various services which aim at developing the students’ educational, vocational, and psychological potentialities.

The center employs developmental approach in carrying out its objectives of supporting the school in creating an environment that is conducive to learning. Through an orchestrated program of activities, the center seeks to facilitate adjustment of students from the time they get into the Institute as freshmen up to their graduation.

Moreover, CGC also finds ways to reach out to its graduates or alumni as part of its follow-up services. The center upholds its goal and threat of providing the means to help students achieve an optimum level of personal happiness and social usefulness.

Center for Scholarships and Financial Assistance
The Center for Scholarships and Financial Assistance (CSFA) is responsible for the dissemination of information regarding the openings of scholarships and grants both for undergraduate and post-graduate studies sponsored by the Mapúa administration, private companies, foundations, government agencies and other entities. Applicants are screened by the center to fully utilize and maximize its services for the benefit of Mapúans.

Financial Assistance Programs are also made available to help indigent but deserving and qualified students. As part of this program, CSFA, in coordination with the various departments of the Institute, recruits, screens, and recommends student assistants for part-time employment.

Center for Student Advising
The Center for Student Advising (CSA) is envisioned as an integral part of the undergraduate experience at Mapúa. This service is provided by faculty members, guidance counselors, and student volunteers.

The nature of support ranges from academic to peer to personal. Major objectives of the center include helping students adjust to college life and providing assistance to students in the development of their academic plans to increase their chances of completing their program of study.

Free tutorial is also being offered by the center.

The goal of the Center for Career Services is to support the transition of students from classrooms into work place with job and career opportunities that are closely aligned with the graduates’ interests and capabilities. Among its services and projects are the MIT Career Link, career development seminar, on-campus recruitment, and local and international on-the-job-training program.

Campus Ministry/Center for Spiritual Development
The Campus Ministry caters to the spiritual well-being of students within the campus, and embraces such organizations as the MIT Student Catholic Action, Youth for Christ, Youth on Fire, Campus Crusade for Christ, Campus Ministry Volunteers, and other spiritually oriented organizations.

Center for Cultural Development
The Center for Cultural Development offers a diverse cultural treat for Mapúa students to showcase their creative and artistic talents through the Mapúa Tekno Teatro, the Sining Kalinanang, and the Mapúa Cardinal Singers.

Mapúa Dance Company
The Mapúa Dance Company is composed of students taking up different academic programs. Members regularly train and attend seminars and workshops conducted by different dance associations in order to develop the art of graceful and projection in their performances. The group performs in activities within and outside the campus.

Mapúa Tekno Teatro
The main objective of Mapúa Tekno Teatro is to develop the talents of students in the field of performing arts. The group holds major and minor productions every year to showcase their theatrical talents.

Center for Student Publications
The Center for Student Publications aims to help students enhance their journalistic and literary skills. It also strives to foster effective and fair print media manipulation. The center publishes the school organ, The New Builder, and the school yearbook, Cardinal and Gold.

Program Offerings

INTRAMARS CAMPUS
- Architecture
- Industrial Design
- Interior Design
- Engineering & Sciences
- Biological Engineering
- Chemical Engineering
- Manufacturing Engineering
- Materials Science & Engineering
- Mechanical Engineering
- Chemical Engineering
- Computer Engineering
- Electrical Engineering
- Electronics Engineering
- Environmental & Sanitary Engineering
- Geology
- Industrial Engineering
- Chemistry
- Civil Engineering
- Materials Science & Engineering
- Mechanical Engineering
- Engineering Management
- Construction Engineering & Management
- Management Science & Engineering
- Service Engineering & Management

SOCIAL SCIENCES
- AB Psychology
- BS Psychology
- Technical Communication
- Education Technology
- Geological Science & Engineering

MULTIMEDIA AND VISUAL ARTS
- Multimedia Arts & Sciences
- Bachelor of Fine Arts in Digital Cinema

BUSINESS & MANAGEMENT
- Accountancy
- Business Administration
- Entrepreneurship
- Hotel & Restaurant Management

HEALTH SCIENCES
- Nursing

MAKATI CAMPUS

INFORMATION TECHNOLOGY
- Computer Science
- Information Systems
- Information Technology

DOUBLE DEGREE PROGRAMS
- Biological Engineering and Chemistry
- Civil Engineering and Environmental & Sanitary Engineering
- Chemical Engineering and Chemistry
- Geological Science & Engineering

ACCOUNTING
- AB Accounting
- BSAp Accounting

FICTIONAL CAMPUS

ARCHITECTURE & DESIGN
- Architecture
- Industrial Design
- Interior Design

ENGINEERING & SCIENCES
- Biological Engineering
- Chemical Engineering
- Manufacturing Engineering
- Materials Science & Engineering
- Mechanical Engineering

ACCOUNTING
- AB Accounting
- BSAp Accounting

MULTIMEDIA AND VISUAL ARTS
- Multimedia Arts & Sciences
- Bachelor of Fine Arts in Digital Cinema

BUSINESS & MANAGEMENT
- Accountancy
- Business Administration
- Entrepreneurship
- Hotel & Restaurant Management

HEALTH SCIENCES
- Nursing

OCUPATIONAL LICENSURE PROGRAM
- Nursing
### Academic excellence through Quarterm

As a move to improve its delivery of instruction, Mapúa pioneered in the country the quarter system (Quarterm), which divides the academic year into four terms. Since 2002, the Institute has proven the increase in effectiveness of its instruction with the Quarterm through the students’ performance. Below is the comparison between the Semestral system and the Quarterm.

<table>
<thead>
<tr>
<th>Term</th>
<th>Start</th>
<th>End</th>
<th>Vacation</th>
</tr>
</thead>
<tbody>
<tr>
<td>1</td>
<td>2nd week of July</td>
<td>3rd week of September</td>
<td>1 week</td>
</tr>
<tr>
<td>2</td>
<td>1st week of October</td>
<td>2nd week of December</td>
<td>2 weeks Christmas Break</td>
</tr>
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<td>3</td>
<td>1st week of January</td>
<td>2nd week of March</td>
<td>1 month Summer break, inclusive of Holy Week</td>
</tr>
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#### Quarterm Calendar

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#### Competitive Edge

Quarterm provides an opportunity for students to be in the mainstream of a productive career in the shortest possible time. The system allows a full engineering program to be completed in about four to four and a half years, and an IT program in about three and a half years at no additional costs. Graduates have the option to pursue advance programs leading to an MS degree or further take a specialized program to upgrade their academic credentials and enhance their competitiveness in a highly selective global job market environment.

#### Greater Focus

Instead of taking 7 to 10 courses per term (for semestral), a student will be taking fewer courses in any given quarter. While the examinations may be spaced at shorter intervals, the total number of examinations a student takes in any given term is less. Less “shifting of gears” will be required as a student juggles his study hours for the different courses.

#### Improved Performance

Mapúa’s implementation of the Quarterm has shown improved performance among its students. Higher grades have been obtained with more students qualifying for academic scholarships. Mapúa graduates under the Quarterm have also shown impressive performance in the board examinations.

#### Flexibility

Under the Quarterm, students have the option to finish a five-year program in just about four to four and a half years, or a four-year program in just about three to three and a half years.

### Financial assistance programs

<table>
<thead>
<tr>
<th>Name of Programs</th>
<th>Qualifications</th>
<th>Benefits</th>
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| Income-Based Financial Assistance Program (IBFAP) | • Incoming freshmen starting Batch 2008  
• Combined annual family income of not more than P500,000  
• Must obtain a score of not lower than 68% in the Mapúa Scholastic Aptitude Examination (MSAE)  
• Must maintain a GPA of 2.75 per term  
• No shifting to another program  
• No failing grade in any course | • 40% discount on tuition |
| Students from public schools are prioritized | | |
| Student Assistantship | • Open to currently enrolled second, third and fourth-year students  
• Academic status should be “OK”  
• Shall render work for a maximum of 24 hours/week at assigned offices/departments. Combined class and duty hours should not exceed 12 hours per day  
• Must work for a maximum of 8 hours a day during term breaks and non-class days | • Minimum wage allowance |
| YGC Promotional Discount | • Incoming freshmen starting Batch 2008  
• Must pass the MSAE  
• At least one parent is a regular employee of any YGC company/subsidiary | • 40% discount on tuition |
| Sibling Discount* | • Open to students belonging to Batch 2011 onwards  
• Applicants can avail of the discount provided that their siblings are enrolled with them  
• Applicants availing of the discount must not be under any other Mapúa-sponsored scholarship/financial assistance/discount (FAMIT/MITLU/NFMS/YGC Promo) program. | • 2nd child – 15% discount  
• 3rd child – 25% discount  
• 4th and succeeding children – 50% discount |

*Discount is on tuition only

### Directory

#### Intramuros

- Admissions Office: Mapúa Institute of Technology
- Guidance Office: 7201
- Placement Office: 1202/1403
- Registrar’s Office: 1101
- Scholarship Office: 1203
- Security Office: 1000
- Treasurer’s Office: 1104
- Alumni Office (NAMA): +63 (2) 327-1134

#### Makati

- Admissions Office: Mapúa Institute of Technology
- Guidance Office: 7201
- Placement Office: 1202/1403
- Registrar’s Office: 1101
- Scholarship Office: 1203
- Security Office: 1000
- Treasurer’s Office: 1104
- Alumni Office (NAMA): +63 (2) 327-1134

#### Makati City

- Mapúa Institute of Technology
- Makati City
- Telephone: +63 (2) 896-1650
- E-mail: admissions@mapua.edu.ph

Find us

### Scholarships

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### Contact Information

#### Makati

- Telephone: +63 (2) 896-1650
- E-mail: admissions@mapua.edu.ph

Find us

### Financial assistance programs

#### Scholarships

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#### Contact Information

- Telephone: +63 (2) 896-1650
- E-mail: admissions@mapua.edu.ph

### How to Apply

1. Fill out the application form.
2. Submit the required documents.
3. Wait for the result.

Visit the admissions office for more information.
### Mapúa-sponsored scholarship programs

<table>
<thead>
<tr>
<th>Name of Scholarship</th>
<th>Qualifications</th>
<th>Benefits</th>
</tr>
</thead>
</table>
| E.T. Yuchengco Institutional Scholarship* | • Must obtain a rating of not lower than 80% in the MSAE.  
• Must pass the scholarship examination and panel interview.  
• Must maintain a CQWA of 2.00 per quarter or higher.  
• No failing grade in any course/subject.  
|  | Full tuition and miscellaneous fees for the entire duration of the program.  
Quarterly stipend of P5,000.  
Quarterly book allowance of P3,000.  
|  |
| Don Tomas Mapúa Scholarship* | • Valedictorian or salutatorian graduate from a batch of at least 60 students.  
• No failing grade in any course/subject.  
|  | Full (for valedictorian) or half (for salutatorian) tuition for two quarters only.  
|  |
| Academic Scholarship | • Must obtain a weighted grade average of 1.00 to 1.75 every quarter.  
• Currently enrolled student.  
• Must have an academic load of not less than 10 units.  
• No failing grade in any course/subject.  
|  | Full tuition including miscellaneous.  
|  |
| Athletic Scholarship* | • For athletes representing Mapúa in the NCAA & other athletic meets.  
• Must comply with the requirements set by Mapúa Athletics Department.  
|  | Full tuition.  
|  |
| Cheerleader Scholarship | • For cheerleaders representing Mapúa in the NCAA & other athletic meets.  
• Must comply with the requirements set by Mapúa Athletics Department.  
|  | 50% of the total charges.  
|  |
| P.D. 577 Scholarship* | • Dependents of military personnel who died/are incapacitated in the line of duty since September 21, 1972.  
• Must comply with the requirements set by the Center for Scholarships and Financial Assistance.  
|  | Full tuition.  
|  |
| The New Builder Scholarship | • Must not be under any scholarship sponsored by Mapúa.  
• The Editor-In-Chief & four staff members of The New Builder, the official student publication of Mapúa.  
• Must comply with the requirements set by The New Builder.  
|  | Editor: Full tuition including miscellaneous.  
Staff: Full tuition.  
|  |
| **Sponsored by Private Agencies/Companies/Foundation** |  |  
- Air Lift Asia Foundation  
- Aboitiz Equity Ventures  
- Analog Devices, Inc.  
- Ay Foundation, Inc.  
- DCK Worldwide, LCC  
- Essilor Manufacturing Phils, Inc.  
- FCF Minerals  
- Fujitsu Philippines Scholarship Program  
- Megaworld Foundation, Inc.  
- Megaworld-FilChef Scholarship  
- Merck, Inc. Philippines  
- Mines and Geoscience Bureau  
- Modair Manila Co. Ltd. Inc.  
- Petron Corporation  
- Petron Foundation  
- Philippine Development Foundation (SuperFund Scholarships)  
- PHINMA Foundation, Inc.  
- Socoli Philippines  
- SGV Foundation Inc.  
- Startek Philippines  
|  |  
| **Available to incoming freshmen** |  |  
| **Sponsored by Mapúa Alumni and Alumni Associations** |  |  
- Guinhawa Family Scholarship  
- Mapúa Alumni Association - Alberta Chapter (MAAAC)  
- Mapúa Alumni Association of Eastern USA (MAAEUSA)  
- Mapúa Alumni Association of San Diego (MAASD) Scholarship  
- MIT CHE-Chm Alumni Association (MITCCAA) Scholarship  
- MIT Fil-Chi Alumni Association Scholarship (MITFCAA)  
- MIT Fil-Chi Alumni Association Scholarship II (MITFCAA II)  
- National Association of Mapúa Alumni – British Columbia (NAMA-BC)  
- Southern California Mapúa Alumni Scholarship (SCMA)  
- Texas Association of Mapúa Alumni (TAMA)  
|  |  
| **Available to incoming freshmen** |  |  
| **Sponsored by Government Agencies** |  |  
- CHED scholarships (HEDP/ PESFA/ RSP/ SSP/ NISGP)  
- DOST-SEI  
- OWWA  
- PVAO  
|  |  

*Available to incoming freshmen*
Industry Partners and Linkages

At Mapúa Institute of Technology, students don’t only learn the theories. They apply it. It is utmost importance that every Mapúan experience first-hand the industry he has chosen. Through practical work experience, a student gets to know and anticipate challenges in the field and is able to recognize opportunities for progress. All these are part of good planning, which is the key toward work success.

With that, Mapúa has partnered with different institutions, organizations, and companies, local and international, to give its students the best training ground before they set out to the real world. Apart from this, the Institute has also formed tie-ups with the biggest names in different institutions for its faculty development, research and job placement of its graduating students and alumni. Some of these big industry partners and linkages are listed below. For the complete list, please visit the Mapúa website.

Provincial Testing Centers

- ALBAY
  - Aguarin University of Laguindingan
  - Batac University
  - Daraga University

- BATANES
  - Babuyan College
  - Batanes College

- BULACAN
  - Bulacan State University
  - Santa Maria College

- CAMARINAN
  - Camarines Norte State University
  - Camarines Sur State University

- CALABARZON
  - Caloocan State University
  - Caloocan Technological College
  - Cavite State University

- CAVITE
  - Cavite State University
  - Cavite Technological University

- DANANG
  - University of the Philippines – Danang

- DAVAO DEL NORTE
  - Davao Oriental State University
  - Davao Occidental State University

- DAVAO DEL SUR
  - Davao Oriental State University
  - Davao Occidental State University

- DAVAO CITY
  - Don Mariano Paje University

- 劉河東
  - Davao Technological College

- DAVAO DEL NORTE
  - Davao Oriental State University
  - Davao Occidental State University

- DAVAO DEL SUR
  - Davao Oriental State University
  - Davao Occidental State University

- DAVAO CITY
  - Don Mariano Paje University

- 劉河東
  - Davao Technological College

- DAYTON
  - University of the Philippines – Daytton

- 興華
  - University of the Philippines – Xiwa

- DAVAO PROVINCE
  - University of Mindanao

- DAVAO CITY
  - University of the Philippines – Davao
  - University of the Philippines – Mindanao

- DAVAO ORIENTAL
  - University of the Philippines – Davao Oriental

- 菲律賓
  - University of the Philippines – 菲律賓

- DAVAO DEL NORTE
  - Davao Oriental State University
  - Davao Occidental State University

- DAVAO DEL SUR
  - Davao Oriental State University
  - Davao Occidental State University

- DAVAO CITY
  - Don Mariano Paje University

- 劉河東
  - Davao Technological College

- DAYTON
  - University of the Philippines – Daytton

- 興華
  - University of the Philippines – Xiwa

- DAVAO PROVINCE
  - University of Mindanao

- DAVAO CITY
  - University of the Philippines – Davao
  - University of the Philippines – Mindanao

- DAVAO ORIENTAL
  - University of the Philippines – Davao Oriental

- 菲律賓
  - University of the Philippines – 菲律賓

- AL-KHOBAR, KSA
  - International School

- AL-KHOBAR, KSA
  - International School

- AL-KHOBAR, KSA
  - International School

- AL-KHOBAR, KSA
  - International School

- AL-KHOBAR, KSA
  - International School

- AL-KHOBAR, KSA
  - International School
Admission Guidelines

Entrance examinations are administered yearly from August to April. Applicants will be informed of the date and time of the examination upon their application at the Admissions Office.

ENTRANCE EXAMINATION REQUIREMENTS

For Incoming Freshmen

1. Fully accomplished application form (To download form, you may refer to this link: http://fs.mapua.edu.ph/Admissions/Freshmen_Application_Form.pdf)
2. Two identical pictures (plain background), size 1½” x 1½”
3. Application fee
4. Additional requirements:
   - For applicants who graduated from schools in the Philippines or schools abroad under DepEd:
     a. Graduation Year is 2014
        i. Photocopy of any of the following (whichever is available):
           • 4th year HS Report Card
           • Certificate of Good Moral Character (with school year)
           • Certificate of Candidacy for Graduation
     - For foreign nationals:
       - Alien Certificate of Registration (ACR) or Special Study Permit (SSP)
       - Original and photocopy of passport
   b. Graduation Year is 2013 or Prior Years, with applicants not enrolling in any college/university after graduation:
     i. Original and photocopy of 4th year HS Report Card
     ii. Certification from the high school principal stating the student’s F137-A is in the school file and has not been forwarded to another college/university
   c. For foreign nationals:
     • ACR or SSP
     • Original and photocopy of passport.

For graduates of Non-Formal Education Accreditation and Equivalency or Alternative Learning System Accreditation and Equivalency:
   a. Certificate of Rating (with passing marks in all subjects)
   b. Photocopy of diploma
   c. Recently issued Certificate of Good Moral Character

For graduates of Associate Degree Programs:
   a. Transcript of Records
   b. Weighted average of at least 2.00 or its equivalent
   c. Certificate of Rating (with passing marks in all subjects)
   d. Photocopy of diploma

For applicants who graduated from schools in the Philippines or schools abroad under DepEd:
   a. Graduation Year is 2014
      i. Original 4th year high school report card with the applicant’s eligibility for admission to college duly signed by the school principal
      ii. Certificate of Good Moral Character recently issued by the high school (with school seal)
   iii. For foreign nationals:
       • ACR or SSP
       • Original and photocopy of passport
   b. Graduation Year is 2013 or Prior Years, with applicants not enrolling in any college/university after graduation:
      i. Original and photocopy of 4th year HS Report Card
      ii. Certificate of Good Moral Character or Recommendation from the School Guidance Counselor or Principal

For Filipino applicants who graduated from schools abroad (except for Filipino schools under DepEd):
   a. Authenticated Transcript of Records from Senior Year
   b. Certificate of completion of secondary education (high school or its equivalent)
   c. For foreign nationals:
      • ACR or SSP
      • Original and photocopy of passport

For Filipinos applicants who graduated from schools abroad (except for Filipino schools under DepEd):
   a. Authenticated Transcript of Records from Senior Year
   b. Certificate of completion of secondary education (high school or its equivalent)
   c. Certificate of Good Moral Character or Recommendation from the School Guidance Counselor or Principal

For graduates of the school of Nursing/STP:
   a. ACR or SSP
   b. Original and photocopy of passport

For graduates of the school of Architecture:
   a. ACR or SSP
   b. Original and photocopy of passport

For graduates of the school of Architecture and the school of Engineering:
   a. ACR or SSP
   b. Original and photocopy of passport

For graduates of the school of Art and Design:
   a. ACR or SSP
   b. Original and photocopy of passport

For graduates of the school of Business Administration:
   a. ACR or SSP
   b. Original and photocopy of passport

For graduates of the school of Education:
   a. ACR or SSP
   b. Original and photocopy of passport

For graduates of the school of Engineering:
   a. ACR or SSP
   b. Original and photocopy of passport

For graduates of the school of Interior Design:
   a. ACR or SSP
   b. Original and photocopy of passport

For graduates of the school of Information Technology:
   a. ACR or SSP
   b. Original and photocopy of passport

Enrollment Requirements

1. Mapúa Examination Permit or Examination Result Letter or Notice of Results (To download form, please go to http://fs.mapua.edu.ph/Admissions/Download/Freshmen/Enrollment/2014 Form.pdf)
2. Original NSO Birth Certificate
3. One ID picture (plain background)
4. One long brown envelope to contain all the requirements.
5. One long brown envelope to contain all the requirements.
6. Additional Requirements:
   - Transcript of Records
   - Weighted average of at least 2.00 or its equivalent
   - Recently issued Certificate of Good Moral Character

OTHER APPLICANTS

Transfers and other degree holders from other schools may be subjected to different types of exams depending on the applied academic programs.

TRANSFEREE

1. Original transcript of records
   a. No failing grade
   b. Weighted average of at least 2.00 or its equivalent, excluding Religion, PE and NSTP
2. Original Certificate of Good Moral Character issued by the college Student Affairs Office (with school seal)
3. Letter of Intent addressed to the Executive Vice President for Academics Affairs (EVPPA).
   Please state the program applied for.
4. Once approved by the EVPPA, additional requirements:
   a. Honorably dismissed Certificate of Transfer Credential
   b. Original or certified true copy of course (subject) descriptions
   c. Certificate of good moral character issued by the college student Affairs Office (with school seal)
   d. Two (2) identical pictures (plain background), size 1½” x 1½”
   e. Letter of Intent addressed to the Executive Vice President for Academic Affairs
   f. Original birth certificate printed on National Statistics Office paper

BACHELOR DEGREE HOLDERS FROM OTHER SCHOOLS

1. Original transcript of records
   a. No failing grade
   b. Weighted average of at least 2.75 or its equivalent, excluding Religion, PE and NSTP
2. Additional requirements after passing the entrance examination:
   a. Two recommendation letters from previous school (forms issued by the Admissions Office)
   b. Original copy of Honorable Dismissal/Certificate of Transfer Credential
   c. Original or certified true copy of course (subject) descriptions
   d. Certificate of good moral character issued by the college student Affairs Office (with school seal)
   e. Two (2) identical pictures (plain background), size 1½” x 1½”
   f. Letter of Intent addressed to the Executive Vice President for Academic Affairs
   g. Original birth certificate printed on National Statistics Office paper
   h. Photocopy of ACR for foreign nationals
   i. Admission Fee

Note:

1. For enrollees beginning 2nd or 3rd year: You also need to submit the official Results of Basic Medical Laboratory Work-up (CBC, Urinalysis, Chest X-Ray: PA View) from any major hospitals.
2. For valedictorians and salutatorians of duly accredited Filipino high schools with at least 60 graduating seniors, you are also required to submit a certification of honors indicating the total number of graduates signed by the high school principal (with school seal).
3. For scholars, please refer to this link http://www.mapua.edu.ph/Offices/CSCA/ScholarshipGrants.aspx for the list of other requirements.
Intramuros

The Mapúa Intramuros campus is strategically located at the heart of the City of Manila, specifically within the walls of historic Intramuros. Its immediate neighbors are the Department of Labor and Employment (DOLE), Manila Bulletin Publishing Corp., and Manila High School. Within reach from the campus are historic places such as the Fort Santiago, San Agustin Church, Manila Cathedral and Casa Manila Museum.

Accessible from the campus are malls and recreational centers such as SM City Manila (behind the Manila City Hall), Robinson’s Place Ermita, Harrison Plaza Manila (behind the Manila City Hall), and recreational centers such as SM City Manila Accessible from the campus are malls and recreational centers such as SM City Manila, accessible from the campus are malls and recreational centers such as SM City Manila, accessible from the campus are malls and recreational centers such as SM City Manila, accessible from the campus are malls and recreational centers such as SM City Manila.

How to get there
From Quezon City (northern part of the metropolis), one can take any TM Kalasag or Vito Cruz-bound public utility vehicle (PUV) and get off at Victoria Street, facing Manila City Hall. From there, it is a five-minute walk to Victoria Street. From the southern part of the metropolis, one can hail any PUV bound for Quiapo, Laventura, Sta. Cruz, or Divisoria and get off at the Manila City Hall. From there, it is a 10-minute walk via the city hall underpass.

For those taking the LRT Line 1, they may get off at Central Station and take a 15-minute walk via the city hall underpass.

For those taking the LRT Line 2, they may get off at Doroteo Jose Station and take any TM Kalasag–Vito Cruz, or Mahini-bound PUV and get off at Victoria Street, facing Manila City Hall.

For those using the MRT, they may get off at Taft Avenue Station then take the bridge connecting to LRT Line 1. From there, get off at the Central Station and take a 15-minute walk via the city hall underpass.

Housing
Dormitories, boarding houses, and apartments are located along Victoria, Magallanes, and Solana Streets in Intramuros. Students also have the option to stay in nearby districts like Binondo, Sta. Cruz, Quiapo, Sampaloc, España, Pico, Malate, San Marcelino, and San Andrés.

Makati

The Mapúa Makati campus, located in the country’s premier city and financial district, occupies the former RCBC building along Sen. Gil Puyat Ave. (Buendia), and has any PUV going to Crispa, Washington, or Taft Ave.

For those taking the Taft Ave. route, they may take the LRT Line 1 or any PUV and get off on Sen. Gil Puyat Ave. (Buendia), and any PUV going to Bel-Air and get off in front of the campus. An alternate route (coming from Taft Ave.–Пedro Gil) is to take a Leon Guinto-Guadalupe-bound PUV, get off on Kalayaan Ave., hail a tricycle, and get off at the back of Mapúa along Jupiter Street.

How to get there
For those taking the LRT Line 2, they may get off at Doroteo Jose Station then take the connecting bridge to LRT Line 1. From there, get off on Sen. Gil Puyat Ave. (Buendia) and any PUV going to Bel-Air and get off in front of the campus.

For those using the MRT, they may get off at Buendia Station and hail any PUV going to Taft or Washington, and get off in front of the campus.

Housing
Students may stay in apartments, boarding houses, or dormitories in nearby barangays such as Sta. Cruz, Valenzuela, Olympia, Poblacion, La Paz, San Miguel, or San Antonio.

For those using the LRT Line 2, they may get off at Doroteo Jose Station then take the connecting bridge to LRT Line 1. From there, get off on Sen. Gil Puyat Ave. (Buendia) and any PUV going to Bel-Air and get off in front of the campus.

For those taking the Taft Ave. route, they may take the LRT Line 1 or any PUV and get off on Sen. Gil Puyat Ave. (Buendia), and any PUV going to Bel-Air and get off in front of the campus. An alternate route (coming from Taft Ave.–Пedro Gil) is to take a Leon Guinto-Guadalupe-bound PUV, get off on Kalayaan Ave., hail a tricycle, and get off at the back of Mapúa along Jupiter Street.

How to get there
For those taking the LRT Line 1, they may get off at the Central Station and take a 15-minute walk via the city hall underpass.

For those using the MRT, they may get off at the Central Station and take a 15-minute walk via the city hall underpass.
Mapúa Institute of Technology

Founded on January 25, 1925, Mapúa Institute of Technology remains the leading technological academic institution and biggest engineering school in the Philippines. It envisions itself to become a global center of excellence in education. To ensure professional readiness of its students, it adopted the outcomes-based approach to education, the first academic institution in the country to do so. It also pursued and succeeded in getting its 10 engineering and computing programs accredited by widely recognized accrediting body – the US-based ABET. Mapúa is the first school in the Philippines and in Southeast Asia to receive the ABET accreditation for its programs.

With its strong systems and processes, global outlook on education, world-class curricula, highly trained professors and state-of-the-art facilities, Mapúa provides unparalleled opportunities and a decided advantage to its graduates.