

BATANGAS STATE UNIVERSITY CHRONICLE

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21st

CHARTER ANNIVERSARY

Expanding Mandates for
National Competitiveness and
Sustainable Development



Leading Innovations, Transforming Lives

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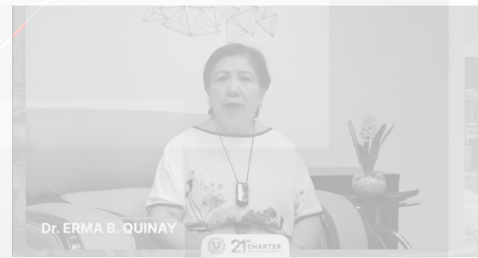
BATANGAS STATE UNIVERSITY



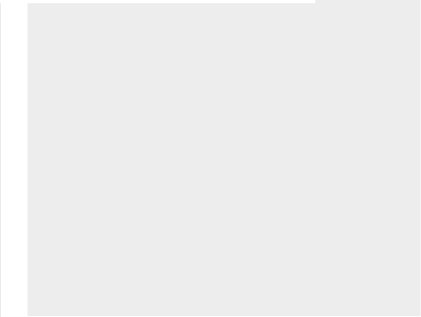
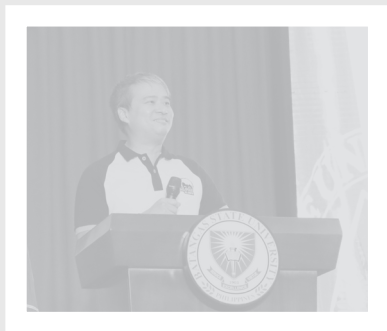
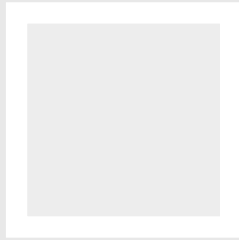
BATANGAS STATE UNIVERSITY

CHRONICLE

BatStateU CHRONICLE



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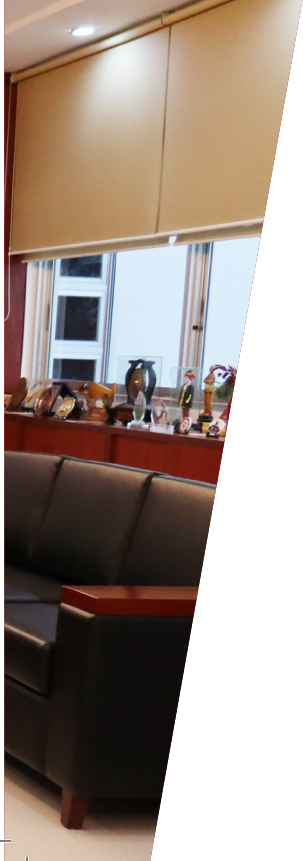




Sen. Joel Villanueva joins the Student Forum 2022 at BatStateU



On February 22, 2022, Senator Joel Villanueva joined the Student Forum at Batangas State University (BatStateU) to discuss the importance of scholarships and education. The event was well-attended by hundreds of students and was held in BatStateU Pablo Borbon campus' Multi-Purpose Hall.



Before the formal program commenced, a student consultation on Teaching and Learning Management was held. The student forum began with a presentation of the Student Assistance program led by Euclid Reign M. Beredo, President of the University Student Council, and an expression of gratitude by Dr. Tirso A. Ronquillo, President of the University.

"I would like to offer my most sincere gratitude to Senator Villanueva for attending this ceremony, and I would also like to thank you for your tireless efforts to improve the educational system in the Philippines, particularly for the Red Spartans who, without your unwavering support, would not have the resources and guidance necessary to succeed in this challenging world," Dr. Ronquillo conveyed.

Senator Villanueva then stated his address by discussing his own experiences with scholarship programs and the impact

they had on his life. He underlined the value of education in providing possibilities for young Filipinos to attain their goals. He then opened the floor to questions and discussions, during which students inquired about many aspects of scholarships and education. The senator was able to respond to their inquiries and offer excellent insights and advice.

"I was really impressed by Senator Villanueva's address. He showed us how scholarships can alter our lives and how education is the key to a better future," said Pauline C. Maristela, Executive Vice President of the University Student Council, who attended the event.

Senator Villanueva's visit at BatStateU is part of his outreach to students and promotion of the value of education. He has been an outspoken supporter of stronger scholarship programs and increased educational opportunities for young Filipinos. The senator concluded his remarks by encouraging the Red Spartans to work hard, strive for excellence, and never give up on their aspirations.

The student forum was a big success, with both students and university authorities expressing their gratitude. It demonstrates Senator Villanueva's commitment to education and to improving the lives of young Filipinos.

Batangas State University celebrates World Engineering Day 2022

Batangas State University celebrated the World Engineering Day for Sustainable Development (WED 2022) with a three-day event that brought together local and international leaders, innovators, and champions. With the theme, "Build Back Wiser: Engineering the Future," the event focused on the Sustainable Development Goals (SDGs), innovation, and futures thinking.



WORLD ENGINEERING DAY HACKATHON

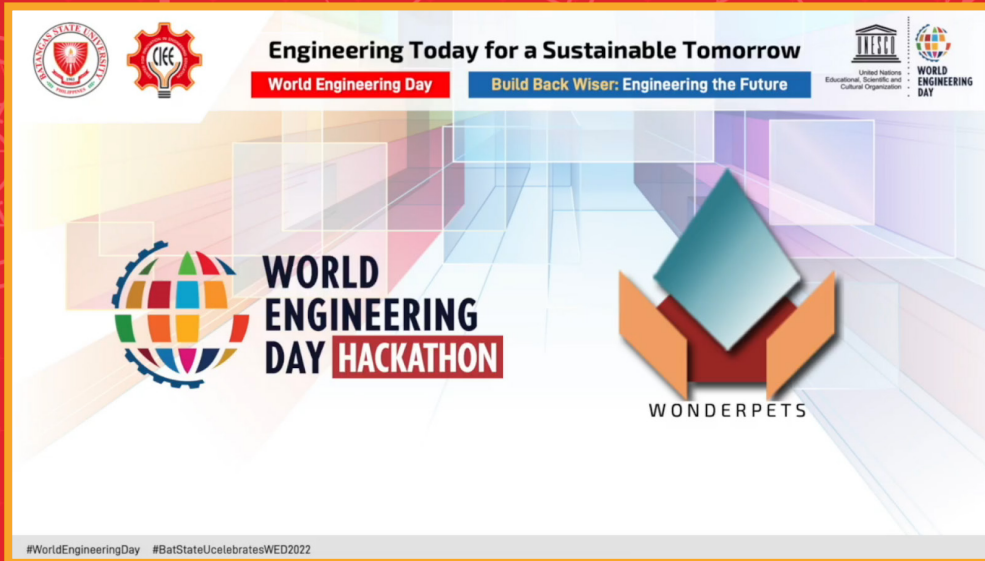
Commencing the WED 2022 celebration, University President Dr. Tirso A. Ronquillo welcomed the participants and set forth BatStateU efforts to reimagine engineering education through CIEE – the University's official arm in advancing engineering education.

Inspired by her role as Chairperson of the Committee on Sustainable Development Goals, Innovations, and Futures Thinking, the Honorable Senator Pia S. Cayetano spoke primarily about tracking progress with the SDGs, preparing for various futures, changing mindsets in embracing futures thinking as the key policy reform, and sharing her initiative to allocate local offices for SDG, Innovation, and Futures Thinking. The committee has been discussing the future of work and the role of women in engineering and STEM fields, as well as examining the fourth industrial revolution.

Knowledge of the potential future must motivate preparation for it.

A keynote address delivered by Prof. Dr. Gong Ke, President of the World Federation of Engineering Organizations, highlighted the progress of adaptation to the changes happening during the pandemic.

World-class Filipino innovator and philanthropist Dr. Diosdado Banatao shared his legacy in the field and emphasized that future engineering leaders should have technical knowledge as well as the ability to work in multi-disciplinary teams and think critically. Professor Hsing-Lung Lien emphasized the importance of incorporating the SDGs into university curricula, whereas Professor Shermon Cruz highlighted the role of technology foresight, engineering, and



innovation in futures thinking.

On the third day of the celebration, the WFEO announced the launch of the WED Hackathon, which encourages university students worldwide to design and simulate engineering projects that aim to solve real-world problems and advance the UN's SDGs. The hackathon, in partnership with the Engineers Without Borders (EWB), the International Engineering Alliance (IEA), the International Federation of Engineering Education Societies (IFEES), and the Global Engineering Deans Council (GEDC), presented the challenges and criteria for the competition.

It was a proud moment for Batangas State University as one of its six teams representing different engineering programs brought home the top prize in the 2022 World Engineering Day

Hackathon. It was the Team WONDERPETS, an all-female group from the University's Chemical Engineering Program, who emerged victorious with their proposal for water remediation using metal organic framework derived from PET bottles. Their innovative solution aimed to clean water and achieve SDG6 (Clean Water and Sanitation) and SDG12 (Responsible Consumption and Production) by responsibly using waste bottle products as raw materials.

Out of the 125 teams from 23 participating countries, Team WONDERPETS was one of nine finalists selected. Their project proposals were judged by representatives from UNESCO, IEA, WFEO YE/FL, EWBI, IFEES, and INWES. The team's impressive performance has not only made the University proud but also put the Philippines and its entire engineering community on the map.

Team WONDERPETS emerges Victoriously in International WED Hackathon

On March 4, 2022, a team of students from Batangas State University (BatStateU) made the Philippines proud by winning the first-ever World Engineering Day (WED) Hackathon, an international competition that drew entries from 125 student teams from 23 countries around the world. The BatStateU team emerged victorious, beating contenders including the University of British Columbia Okanagan in Canada and Egerton University in Kenya, who took second and third place, respectively.



Being the only team from the country to make it to the final round, Team WONDERPETS (Water remediation using metal-organic framework DERived from PET bottles) is made up of Ghia Luwalhati, Nicole Elizabeth Tan, and Reaner Jacqueline Bool, three brilliant chemical engineering students at Batangas State University (BatStateU), and their mentor, Dr. Reymark Maalihan of the University's Material Testing and Calibration Center (MTCC).

Batangas State University (BatStateU) was invited by the World Federation of Engineering Organizations (WFEO) and UNESCO to showcase its brilliance on the global stage, through the WED Hackathon. The invitation was a testament to the University's unwavering dedication to engineering education excellence, as demonstrated by its Center for Innovation in Engineering Education (CIEE), a trailblazer in advancing the quality and responsiveness of



engineering education. The CIEE, alongside the Material Testing and Calibration Center (MTCC), the Analytical Research Center (ARC) and the Center for Technopreneurship and Innovation (CTI), played a pivotal role in fostering a collaborative environment that linked student groups with the University's researchers and experts, propelling the University to the forefront of the competition.

The challenge of the WED Hackathon was to demonstrate a sustainable engineering solution addressing a global real-world problem. Tackling "Water Accessibility in a Changing Climate," Team WONDERPETS devised a water pollutant adsorbent based on a metal-organic framework, chemically recycling terephthalic acid extracted from PET bottles. The resulting material is extremely porous, cost-efficient, and reusable; thus, making it a sustainable means of removing pollutants from water.

"[T]his entry was very interesting with the potentially transformative technology," commented Dr. Marlene Kanga, Immediate Past President of the World Federation of Engineering Organizations (WFEO), as she announced the winners on World Engineering Day Hackathon during the finale of the WED 24 HRS Live broadcast in San José, Costa Rica. The solution offered by Team WONDERPETS not only supports the 2030 UN Sustainable Development Goal (SDG) 6: "Clean Water and Sanitation for All," but also SDG 12: "Responsible Consumption and Production" for its plastic-recycling feature.

The WED Hackathon's preliminary judges were 40 engineers from 16 nations. The final round brought together a distinguished panel of experts from prestigious organizations such as UNESCO, Engineers Without Borders, the International Federation of Engineering Education Societies, the International Network of Women Engineers and Scientists, the Global Engineering Deans Council, and the International Engineering Alliance to evaluate the entries using the highest standards of the International Engineering Alliance global graduate attributes and professional qualifications.

The WED Hackathon is organized by WFEO with UNESCO support, stimulating the inventiveness of young engineers to address engineering challenges developed by the World Federation of Engineering Organizations in collaboration with its partners in the international engineering community and the Engineers Without Borders international network.

The WONDERPETS, one of six student groups from BatStateU that competed in the preliminary round in January, advanced to the final round in February along with eight other teams from Australia, Canada, China, India, and Kenya.

BatStateU - The NEU co-celebrated the World Engineering Day with UNESCO on March 4, 7, and 8, with the theme "Engineering Today for a Sustainable Tomorrow."

BatStateU commemorates 21st Charter Anniversary with Renewed Commitment

Batangas State University commemorated its 21st Charter Anniversary highlighted by a celebration of loyal personnel who have served the university for 10, 15, 20, and 25-40 years, as well as those who are retiring; live-streamed on BatStateU YouTube and Official Facebook page, March 25, 2022.



Dr. Tirso A. Ronquillo, University President, led the event and shared how the University has come a long way, from being a manual trading school established in 1903 to where it is now. He also commended the awardees and retirees for their unwavering dedication to the university and the students who showed-off their talents and skills in their chosen fields. He acknowledged the significant contribution they have made to BatStateU's growth and development.

"Ngayon ay araw ng pagbabalik tanaw sa ating kasaysayan, araw ng pagdiriwang ng ating tagumpay, at araw ng pagpapasalamat at pagpupuri sa ating Poong Maykapal sa kanyang mayamang biyaya sa ating lahat," Dr. Ronquillo expressed.. *"Bilang hamon, patuloy*

tayong tumugon sa pangangailan ng ika-21 siglo, patuloy tayong magpakahusay sa larangan ng ating kaalaman, patuloy nating pag alabin ang katapatan ng ating paglilingkod habang lumalawagk ang pagkatawag sa ating institusyon tungo sa kagalingang pambansa at tuluy-tuloy na kaunlaran"; he conveyed.

One of the highlights of the event was when the 10 to 20-year honorees and the 20 to 40-year awardees were recognized for their remarkable dedication and hardwork. These employees have played a crucial role in shaping the University into the premier institution it is today. The retirees, on the other hand, were lauded for their years of dedicated service to the university and were commended for their contributions to the success of BatStateU.



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March 25, 2022

www.batstate-u.edu.ph



Dr. ERMA B. QUINAY

Dr. Erma B. Quinay, a retiree and the former Vice President for Academic Affairs, gave her heartfelt message to the entire Red Spartan community. She thanked everyone including the administrative officials, faculty, staff, and students for the support given to her during her 39 years of service.

Moreover, the event also includes a special recognition of top performers on different Licensure Examinations and the presentation of BatStateU's other commendable awards, such as Top

Performing School, Gawad Serbisyo Regional and National Awards, and the first place award won by Team Wonderpets at the first-ever UNESCO World Engineering Day Hackathon.

This event provided an opportunity to reflect on the University's rich history and to honor the personnel who have dedicated their lives to the advancement of the University. It was a day of celebration and appreciation for BatStateU's employees and students' persistent devotion and contributions.

HEIs unite for a Sustainable Future of Engineering with Smart Engineering Consortium MoU Signing

Various higher education institutions (HEIs) gathered virtually for a Memorandum of Understanding (MoU) signing ceremony as they joined forces to shape the future of engineering, March 31. Led by the Commission on Higher Education (CHED) and Batangas State University (BatStateU), the event was attended by the Presidents of various HEIs to formally establish the Smart Engineering Consortium.

The Smart Engineering Consortium aims to bring together a range of academic and research institutions to work on projects that will propel engineering and contribute to building a sustainable future. The MoU signing signifies a commitment from all parties to work together towards this goal and to share their expertise and resources in order to drive innovation and progress in the field. The member institutions for this Smart Engineering Consortium include:

- Batangas State University
- Polytechnic University of the Philippines
- Dr. Emilio B. Espinosa Sr. Memorial State College of Agriculture and Technology
- Carlos Hilado Memorial State College
- University of Southern Mindanao
- Agusan del Sur State College of Agriculture and Technology
- Biliran Province State University
- Quirino State University
- Bohol Island State University
- Rizal Technological University
- Cavite State University
- Southern Leyte State University
- Isabela State University
- Surigao State College of Technology
- Mariano Marcos State University
- Tarlac State University
- Marinduque State College
- University of Southeastern Philippines
- University of Eastern Philippines



“The establishment of the Smart Engineering Consortium is a turning point for higher education institutions and for the engineering community as a whole,” said Dr. Tirso A. Ronquillo, University President of BatStateU-The NEU as he formally welcomed the officials. “By working together, we can achieve far more than we could alone, and we are confident that this consortium will lead to many significant advancements in engineering,” he added.

The Commission on Higher Education (CHED) also expressed its support for the Smart Engineering Consortium and the critical role it will play in advancing higher education and driving sustainable progress.

“Today marks a historic day for higher education and the engineering community as we witness the signing of the Memorandum of Understanding for the Smart Engineering Consortium. This initiative represents a shared commitment to work together and collaborate in the pursuit of progress and

sustainability in the field of engineering. CHED is proud to support this consortium, as we believe it will play a critical role in driving innovation, sharing resources and expertise, and propelling higher education forward,” Dr. J. Prospero E. de Vera, Jr., Chairman of CHED expressed.

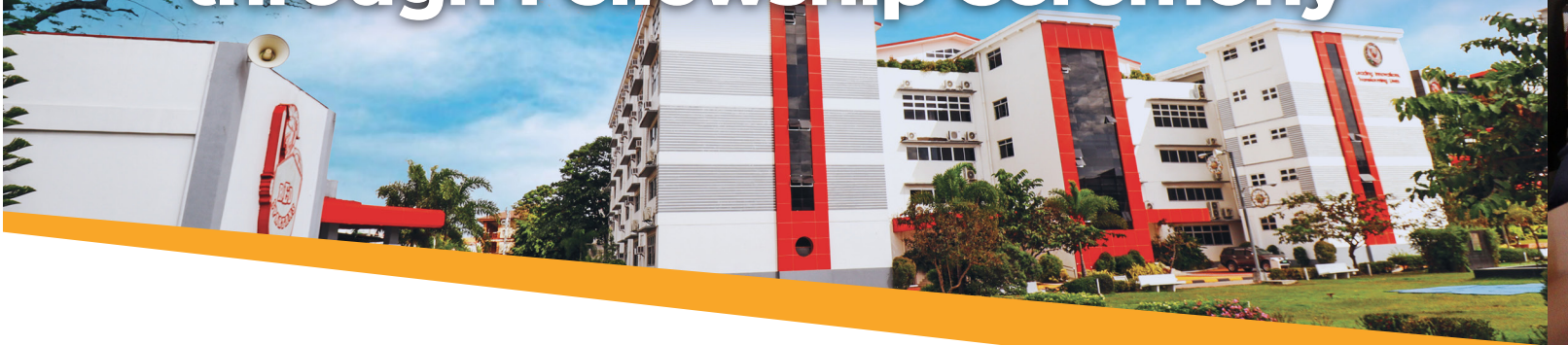
Dr. Federico M. Macaranas, Program Director of Commission on Higher Education-Global Academic Leadership Program (CHED-GALP) and Dr. Ester B. Ogena, Lead Domain Expert in Education of CHED-GALP also gave insightful messages during the ceremony.

The signing of the MoU agreement is just the beginning in what promises to be a long and productive collaboration among the member institutions of the Smart Engineering Consortium. The participating higher education institutions are now looking forward to working together on a wide range of initiatives that will contribute to the advancement of engineering and help build a better future for all.





BatStateU and Municipality of Balayan foster Stronger Ties through Fellowship Ceremony



On March 2, 2022, the Municipal Mayor of Balayan, Honorable Emmanuel Salvador P. Frondall, and the President of Batangas State University (BatStateU), Dr. Tirso A. Ronquillo, arranged a development fellowship ceremony.



The event, which took place at the Conference Room, 4th Level, Student Services Center Building, Pablo Borbon Campus, Rizal Avenue, Batangas City, marked the launch of a joint project between the municipal government and BatStateU

aimed at promoting community development of BatStateU Balayan. Local government officials, BatStateU officials, and some community members graced the said event.

Dr. Tirso A. Ronquillo, President of BatStateU, greeted the Balayan officials



warmly. In his welcome remarks, he emphasized the need for community involvement in the development process. “It is the University’s commitment to engage with the local government officials to achieve our common aims. “I prioritize addressing community-specific requirements, such as access to education, in order to encourage long-term growth,” he said.

Mayor Fronda, on the other hand, highlighted the significance of government-academic collaboration in promoting local growth. He also underscored the importance of education in this endeavor, praising BatStateU for being at the forefront of academic success in Batangas.

Both the Mayor and the President of BatStateU expressed their commitment to the success of the relationship between the local government and the state university.

They hope that this collaboration will not only help the citizens of Balayan, but will also serve as an example for other Batangas municipalities to emulate.

During another half of the ceremony, everyone talked about specific measures that would be executed in Balayan. This discussion of development plans guarantees that the projects are in line with the needs and goals of the community.

Finally, the development fellowship ceremony between the Municipal Mayor of Balayan and Batangas State University is an important step toward fostering community development in the area. The collaboration between the local government and the state university will bring together the resources, experience, and support required to address the community’s concerns and foster long-term progress.

COLLEGE OF ENGINEERING, ARCHITECTURE AND FINE ARTS

Doctor of Philosophy in Electronics Engineering
 Doctor of Philosophy in Engineering Management
 Doctor of Philosophy in Engineering Education
 Straight Master's-Doctorate in Electronics Engineering
 Master of Science in Computer Engineering
 Master of Science in Electronics Engineering
 Master in Urban Planning and Design
 Master of Science in Advanced Manufacturing
 Master of Science in Construction Management
 Master of Science in Earthquake Engineering
 Master of Science in Engineering Management
 Master of Science in Energy Engineering
 Master of Science in Material Science and Engineering
 Master of Science in Artificial Intelligence
 Master of Science in Transportation Engineering
 Master of Engineering

- Major in Civil Engineering
- Major in Chemical Engineering
- Major in Computer Engineering
- Major in Electrical Engineering
- Major in Electronics Engineering
- Major in Environmental Engineering
- Major in Industrial Engineering
- Major in Mechanical Engineering

 Bachelor of Science in Civil Engineering
 Bachelor of Science in Computer Engineering
 Bachelor of Science in Electrical Engineering

- Major in Machine Automation & Process Control
- Major in Renewable Energy Resource Design

 Bachelor of Science in Industrial Engineering
 Bachelor of Science in Mechanical Engineering
 Bachelor of Science in Petroleum Engineering
 Bachelor of Science in Sanitary Engineering
 Bachelor of Science in Chemical Engineering
 Bachelor of Science in Electronics Engineering

- Major in Information & Communication Technology
- Major in Microelectronics

 Bachelor of Science in Food Engineering
 Bachelor of Science in Instrumentation & Control Engineering
 Bachelor of Science in Mechatronics Engineering
 Bachelor of Science in Naval Architecture and Marine Engineering
 Bachelor of Science in Automotive Engineering
 Bachelor of Science in Aerospace Engineering
 Bachelor of Science in Biomedical Engineering
 Bachelor of Science in Ceramics Engineering
 Bachelor of Science in Geodetic Engineering
 Bachelor of Science in Geological Engineering
 Bachelor of Science in Metallurgical Engineering
 Bachelor of Science in Transportation Engineering
 Bachelor of Science in Architecture
 Bachelor of Fine Arts major in Visual Communication
 Bachelor of Science in Interior Design

COLLEGE OF ACCOUNTANCY, BUSINESS, ECONOMICS AND INTERNATIONAL HOSPITALITY MANAGEMENT

Doctor in Business Administration
 Doctor in Public Administration
 Master of Business Administration
 Master in Public Administration
 Master in Disaster Risk Management
 Master in Port Management
 Master in Supply Chain Management
 Diploma in Disaster Risk Management (non-degree)
 Bachelor of Science in Accountancy
 Bachelor of Science in Management Accounting
 Bachelor of Science in Business Administration

- Major in Business Economics
- Major in Financial Management
- Major in Human Resource Management
- Major in Marketing Management
- Major in Operations Management

 Bachelor of Science in Entrepreneurship
 Bachelor in Public Administration
 Bachelor of Science in Hospitality Management
 Bachelor of Science in Tourism Management
 Bachelor of Science in Customs Administration

COLLEGE OF NURSING AND ALLIED HEALTH SCIENCES

Bachelor of Science in Nursing
 Bachelor of Science in Nutrition and Dietetics
 Bachelor of Science in Public Health (Disaster Response)

COLLEGE OF LAW

Bachelor of Laws

COLLEGE OF MEDICINE

Doctor of Medicine

COLLEGE OF INDUSTRIAL TECHNOLOGY

Doctor of Technology
 Master of Technology
 Bachelor of Industrial Technology

- Major in Automotive Technology
- Major in Civil Technology
- Major in Computer Technology
- Major in Electrical Technology
- Major in Electronics Technology
- Major in Instrumentation and Control Technology
- Major in Mechanical Technology
- Major in Mechatronics Technology
- Major in Welding and Fabrication Technology
- Major in Food Technology
- Major in Drafting Technology

COLLEGE OF INFORMATICS AND COMPUTING SCIENCES

Master of Science in Computer Science
 Master of Science in Information Technology
 Master in Information Technology
 Master of Science in Data Science and Analytics
 Bachelor of Science in Computer Science
 Bachelor of Science in Information Technology

- Major in Service Management Track
- Major in Business Analytics Track
- Major in Network Technology Track

COLLEGE OF TEACHER EDUCATION

Doctor of Education in Educational Management
 Doctor of Philosophy in Educational Management
 Doctor of Philosophy in Mathematics Education
 Master of Arts in Education

- Major in Educational Management (Thesis/ Non-Thesis)
- Major in English Language Teaching
- Major in Mathematics Teaching
- Major in Science Teaching
- Major in Pagtuturo ng Filipino
- Major in Psychology
- Major in Physical Education
- Major in Social Studies Teaching
- Major in Technology and Livelihood Education Teaching

 Bachelor of Elementary Education
 Bachelor of Early Childhood Education
 Bachelor of Secondary Education

- Major in English
- Major in Mathematics
- Major in Sciences
- Major in Filipino
- Major in Social Studies
- Major in Values Education

 Bachelor of Physical Education
 Bachelor of Technology & Livelihood Education

- Major in Home Economics

 Bachelor of Technical-Vocational Teacher Education

- Major in Garments, Fashion and Design
- Major in Electronics Technology

COLLEGE OF ARTS AND SCIENCES

Doctor of Philosophy in English major in Language and Literature
 Doctor of Philosophy in English
 Master of Arts in English major in Language and Literature
 Master of Science in Mathematics
 Master in Chemistry
 Master of Arts in Development Studies
 Master of Science in Marine Biology
 Master of Development Communication
 Bachelor of Arts in Communication
 Bachelor of Arts in English Language Studies
 Bachelor of Science in Biology
 Bachelor of Science in Chemistry
 Bachelor of Science in Criminology
 Bachelor of Science in Development Communication
 Bachelor of Science in Mathematics
 Bachelor of Science in Psychology
 Bachelor of Science in Fisheries

COLLEGE OF AGRICULTURE & FORESTRY

Bachelor of Science in Agriculture
 Bachelor of Science in Forestry

INTEGRATED SCHOOL

Kindergarten
 Grades I - VI
 Grades VII - X - Junior High School
 Grade XI-XII - Senior High School



Vision

A premier national university that develops leaders in the global knowledge economy

Mission


A university committed to producing leaders by providing 21st century learning environment through innovations in education, multidisciplinary research, and community and industry partnerships in order to nurture the spirit of nationhood, propel the national economy and engage the world for sustainable development

Core Values

Patriotism
Integrity
Excellence
Service
Resilience
Faith

Quality Policy

Batangas State University is committed to provide quality service to all customers and satisfy applicable requirements through continuous improvement of all university processes.



BATANGAS STATE UNIVERSITY

CHRONICLE



BATANGAS STATE UNIVERSITY

Leading Innovations, Transforming Lives



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