

# Why Choose CSU-Carig?

Cagayan State University- Carig Campus is located on a 19.8- hectare land area which houses seven (7) colleges offering 24 undergraduate programs in the arts, agriculture, natural sciences, and technology. These programs are continually improving by undergoing series of accreditation and quality control- a proof that CSU-Carig stands firm to its vision of transforming the lives of Cagayanos and the Filipinos at large by educating for the best. To date, CSU-Carig remains to be progressive in responding to national and international standards. It has several breakthroughs to infrastructure development and will continue to build more state-of-the-art laboratories and classrooms to equip our graduate the necessary competencies needed to compete in the national and global arena. In fact, CSU-Carig has five (5) research centers for science and technology, public administration, and sport and wellness. The presence of these research centers shall significantly provide practical and meaningful learning experiences to our students. It has also been placed in the top performing schools in the nation in professional examinations. CSU-Carig is also the home of the best athletes and artists in the region. It has been consistent in sending athletes to national sports competitions and artists in national culture and the arts festivals representing the whole region.

In CSU-Carig you get quality education by providing you meaningful learning experiences. It endeavors a bold commitment to develop well-rounded graduates ready in the workplace.

## Accomplishments and Achievements

### Academics

CSU is continuously putting much of its institutional efforts towards the attainment of high educational quality. Among the campuses of the University, CSU Carig Campus has the most number of undergraduate programs lodged in 7 distinct colleges. All of its 24 programs have attained AACCCUP accreditation level status, 6 of which were awarded Level III-Phase 1. These include the BS in Civil Engineering, BS in Agricultural Engineering, BS in Electrical Engineering, BS in Industrial Technology, AB in Public Administration and the AB in Mass Communication. Moreover, CSU Carig has the most number of Level III accredited programs. In the very near future, these programs will be eligible to apply as CHED Center of Development (COD). At present, 5 programs are accredited Level II status and 13 are Level I status.

While our programs are being evaluated by AACCCUP, we have also subjected 11 programs for Institutional Sustainability Assessment (ISA) by the Commission on Higher Education (CHED) in 2014, the most number of programs subjected by a CSU campus.

Similarly, CSU Carig has maintained its status of producing quality graduates. The performance of graduates in licensure examinations speaks of its ability to nurture students who can conquer the national and international arena for engineers, medical practitioners and other specialists.

Further, among all the campuses, it is CSU Carig which has all of its 25 academic programs awarded Certificate of Program Compliance (COPC) by CHED in 2015 indicating that these meet the quality standards set by the institution.



## Research, Development and Extension

Driven by the commitment to holistically improve the University's services, the Research, Development and Extension (RDE) Office of the Campus continuously conducting capability building for faculty researchers. Likewise, the conduct of an RDE In-house Review serves as a tool for disseminating research and extension outputs and to encourage the faculty members to prepare their own research and extension proposals for possible funding by the University or by an external source.

In 2016, the Campus was able to train a total of 1,840 community people through its massive trainings and workshops along information technology, engineering, social science, medicine, politics and governance, mathematics, natural science, sports and wellness and industrial technology.

In the field of research, there were nine (9) published researches, thirteen (13) researches were presented in national and international fora, ten (10) utility models and five (5) tradenames.



The Food Innovation Center (FIC) known to be a one-stop-shop food research and development center aims at improving the regions's local products with the ultimate aim of reaching a sizeable share of the local and national markets, At present, FIC is the No. 1 Food Innovator in the country.

The Tuklas Lunas Development Center (TLDC) started its operation in 2013 and continuously preparing research proposals for funding by external agencies. The TLDC is a center for collaborative health research and development activities in the Region fostering cooperative research with academic and other scientific institutions in discovering potential drug benefits from plants.

The Metal Innovation Center (MIC), a joint project of the Cagayan State University and the Department of Science and Technology has forged a Memorandum of Agreement on January 22, 2015. The center aims to provide the metals and engineering industry in the region with innovative technical services and equipment for food processing to improve quality of education and the capabilities of stakeholders and clients in the metals and related sectors.

On an objective standpoint, research and extension activities bring forth mutual benefit to the community as well as the University. As the Campus continues to innovate through its researches, it serves as the stepping stone to make the University's services more efficient and effective. Growth is not exclusive to the Campus but rather shared with the community through extension activities, thus, expanding the culture of excellence of the Campus throughout the different sectors of the community



*Campus Facilities, Resources and Services*

Fulfilling its mission of transforming lives by educating for the best and in its quest for quality and excellence. The Cagayan State University at Carig Campus provided and equipped its buildings and laboratories with up-to-date facilities and state-of-the-art equipment.

The Campus library has numerous titles of books in different fields of specialization including e-books for faculty and students. Sports facilities are more than enough for the conduct of sports activities as part of the holistic development of students.

The Registrar's Office upgraded the Student Information and Accounting System allowing students to view their grades online and a queuing system as an added feature for a hassle free enrolment process.

At present, the Campus continues to improve its infrastructure along instruction, research, extension and production as it aims to be a center for learning and innovation that produces global citizens who are competent, assertive, responsible, innovative and goal-oriented.



**Other services of the Campus are as follows:**

**Registrar**

As part of the Administrative staff of the University, the Registrar is in-charge of keeping student records, particularly academic records. This responsibility makes the function of the Registrar closely involved with admission, release and graduation of students which function required prompt action and accuracy.

**PROCEDURES AND INSTRUCTION AT THE REGISTRAR'S OFFICE DURING ENROLLMENT PERIOD:**

1. Freshmen and Transfer students are required to submit all needed documents like: Form 138, Honorable Dismissal, Transcript of records, Good Moral Character certificate, i.d. pictures, College Admission Test Result, NSO Birth Certificate and Police Clearance.
2. New and Transferees shall secure assessment form at the Registrar's Office; Both new and old students shall get an advising form from the College.
3. The students proceed to the Accounting Office/Cashier's Office and present their computerized schedule of classes/assessment form and for payment of the required amount upon enrollment.
4. After payment from the Accounting Office, the students must proceed to the Department/College and submit the photocopy of their receipt and assessment form.



**Student Services and Welfare**

The Office of Student Services and Welfare envisions a truly educative community with creative, critical, highly functional and globally oriented environment complementary to the academic training of students. Hence, the following are the services available to provide support to the holistic development of students:

- 1. Scholarship**  
Scholarship grants and other forms of financial assistance are provided in accordance with pertinent rules and regulations. Schemes covering scholarship, grants-in-aid, tuition fee discounts, student assistants and loans are provided.
- 2. Student Organization**  
The University provides guidance in the formation of different clubs and organizations with the University in order to enhance the growth of students as individuals and members of the academic community and to complement the academic and curricular growth and development of the students.
- 3. Socio-cultural**  
The University provides the students with an environment for well rounded individual's avenues for their physical and psychosocial aspect through socio-cultural activities.
- 4. Sports**  
The College holds College Days every year with sports as the main activity. A campus-wide and university-wide sports competition is likewise conducted yearly as an avenue to establish camaraderie among faculty and students of the University.
- 5. Student Publication**  
The College provides technical assistance to students in the circulation of a college paper

**Medical-Dental Services**

The Campus clinic provides both medical and dental services. It promotes, develops, and maintains the health and general well-being of the members the school community. It conducts physical and dental check-ups of students.

**Guidance Services**

A comprehensive guidance and counseling program is an essential component of an instructional program that provides all students the opportunity for optimum development. The Cagayan State University as an institution of higher learning is dedicated to the formation of well-integrated students expected to contribute to the welfare and progress of the province, country, as well as the world through its four-fold mission namely: instruction, research, extension and production. The CSU Guidance and Counseling program is designed to assist and support the personal, social, educational and career development of students which could help them in making decisions and cope with the demands of life which they are confronted with. Hence, the following are the services of the guidance center:

**1. Admission**

This service involves the conduct of examination among incoming first year college and transfer students. The admission test aims to determine the likelihood of success of the students in their profession in the University.

**2. Testing**

This service is geared at determining the student's aptitude, abilities, values, personality and interest as basis for understanding and the kind of guidance help to be extended to the students.

**3. Counseling**

This service is the heart of the guidance program. It is aimed at empowering every student who seeks for help and guidance.

**4. Orientation**

This service is aimed at facilitating the awareness and adjustment of freshmen students as well as empowering the graduating students to be better prepared for professional endeavors.

**5. Career Guidance**

This service is conducted through the assistance given to the students in relation to their educational undertakings.

**6. Growth Session**

This service is offered through group activities and participations.

**7. Placement**

This service is designed to assist students to make correct and better choice of their career, course, profession and school activities.



*College of Medicine*



The Doctor of Medicine (M.D.) degree is a five year graduate program intended to teach students the essentials of being a Medical Doctor. The program consists of three years of academic instruction, one year of clinical clerkship and one year of post-graduate internship.

**Career opportunities for Doctor of Medicine graduates**

Jobs for licensed Doctors (board exam passers)

- ❖ Resident Physicians
- ❖ Junior Physician in a private clinic
- ❖ Company Doctor
- ❖ School Doctor
- ❖ Private Practice Doctors

Completed the residency training program and successfully acquired a field of specialization:

- ❖ A specialist at a government hospital
- ❖ A specialist at a private hospital
- ❖ Private practice specialist
- ❖ Government Official

Require years of extensive experience and practice:

- ❖ Surgeon
- ❖ Medical Consultant
- ❖ Hospital
- ❖ Senior Government Official

*College of Veterinary Medicine*

**Doctor of Veterinary Medicine**

Doctor of Veterinary Medicine (DVM) is a six year degree program consisting of a two year preparatory (pre-vet) and a four year proper curriculum. The program provides theoretical knowledge and practical experience in animal production and diagnosis, as well as in the prevention, treatment and control of clinical disorders and diseases in companion animals (pets), exotic animals (wild/zoo) and farm animals.

**Career Opportunities**

- Jobs for Licensed Veterinarians
  - ❖ Swine, poultry and livestock veterinarian
  - ❖ Public health veterinarians
  - ❖ Companion animal (pets) veterinarians
  - ❖ Academic Faculty
    - ❖ Private Practice
  - ❖ Regulatory veterinarians
  - ❖ Wildlife veterinarians
  - ❖ Zoo Veterinarian
  - ❖ Environmental health veterinarians
  - ❖ Veterinary Conservation Biologist
  - ❖ Veterinary Pathologist
  - ❖ Diagnostics Veterinarian
  - ❖ Sales and marketing managers of veterinary drugs and health
  - ❖ Animal Behavior Specialist

- Jobs for Non Board Passers:
  - ❖ Veterinary technicians
  - ❖ Kennel assistant
  - ❖ Aviculturist
  - ❖ Veterinary Receptionist
  - ❖ Sales and marketing personnel of veterinary drugs and health products



## College of Engineering

### Bachelor of Science in Civil Engineering

The Bachelor of Science in Civil Engineering (BSCE) program is a five-year program that educates students with basic principles of Science in conjunction with mathematical and computational tools used in engineering.

#### Career Opportunities for BSCE graduates

Jobs for Licensed Civil Engineers (board passers)

- ❖ Structural Engineer
- ❖ Project Engineer
- ❖ Staff Engineer
- ❖ Inspectors
- ❖ Associate Engineer
- ❖ Engineering Educator
- ❖ Owner/Partner in an engineering firm
- ❖ Environmental Engineer
- ❖ City Planner
- ❖ Traffic Engineer

Jobs for non-board passers

- Surveyors
- Drafters
- Technicians



### Bachelor of Science in Electrical Engineering

The Bachelor of Science in Electrical Engineering (BSEE) is a 5-year degree program which centers on the generation and utilization of electricity for industrial, commercial, and residential purposes. Apart from the production of electricity, BS in Electrical Engineering also deals with the development and real-life applications of electrical circuitry, digital systems, electrical equipments, and machine control.

#### Career opportunities for BSEE graduates

Jobs for Licensed Electrical Engineers (Board Exam Passers)

- ❖ Technical Support Engineer
- ❖ Electrical Installer
- ❖ Electrical Field Service Engineer

Require trainings and prior job experience of a few years:

- ❖ Electrical Design Draftsman
- ❖ Junior Electrical Engineer
- ❖ Electrical Foreman
- ❖ Computer Systems Engineer
- ❖ Optics Engineer

Require years of extensive experience and practice:

- ❖ Senior Electrical Engineer
- ❖ Systems and Storage Administrator
- ❖ Project Engineer
- ❖ Satellite Communications Engineer
- ❖ Academician

Jobs for Non Board Passers:

- ❖ Electrical Technician
- ❖ Engineering Technician

### Bachelor of Science in Electronics and Communications Engineering

The Bachelor of Science in Electronics and Communications Engineering (BS-ECE), also known as Bachelor of Science in Electronics Engineering, is a 5-year college program which focuses on the conceptualization, design and development of electronic, computer and communication products, systems, services and processes.

#### Career opportunities for BS-ECE graduates

Jobs designated for recent board passers who have no prior experience:

- ❖ Electrical and electronics installers
- ❖ Technical support engineer
- ❖ Telecommunications Field Service Engineer
- ❖ Junior Program Analyst

Require trainings and prior job experience of a few years:

- ❖ Telecommunications Engineer
- ❖ Broadcast Engineer
- ❖ Computer Systems Engineer
- ❖ Optics Engineer
- ❖ Instrumentation and Controls Engineer
- ❖ Biomedical Engineer
- ❖ Optical Networks Technical Marketing Engineer
- ❖ Satellite Communications Engineer

Require years of extensive experience and practice:

- ❖ Senior Telecommunications Engineer
- ❖ Telecommunications Project Engineer
- ❖ Senior Instrumentation and Controls Engineer
- ❖ Senior Manufacturing Engineer
- ❖ Systems and Storage Administrator
- ❖ Academician

Jobs for Non Board Passers

- ❖ Engineering Technicians
- ❖ Electronics Technicians

### Bachelor of Science in Chemical Engineering

Bachelor of Science in Chemical Engineering (BSChe) is a five year degree program that equips students with an understanding of both engineering and chemical principles, and develops proficiency in the design, development, operation and management of industrial processes in which materials are transformed by chemical reaction and/or physical means.

#### Career opportunities for BS in Chemical Engineering graduates

Jobs for licensed Chemical Engineers (board exam passers)

- ❖ Chemical Engineer
- ❖ Manufacturing engineer
- ❖ Plant Process Engineer
- ❖ Quality Control Engineer
- ❖ Process Safety Engineer
- ❖ Chemical Engineering Professor
- ❖ Technical Services Engineer
- ❖ Project Engineer
- ❖ Instrumentation Engineer
- ❖ Process Design Engineer
- ❖ Product/process development scientist
- ❖ Production Manager
- ❖ Technical Manager
- ❖ Energy Engineer
- ❖ Petroleum Engineer
- ❖ Reservoir engineers
- ❖ Materials Engineer
- ❖ Environmental engineer
- ❖ Research & Development Engineer

Jobs for Non Board Passers:

- ❖ Chemical Technician
- ❖ Secondary Chemistry Teacher
- ❖ Technical sales and service agent
- ❖ Technical and Science Writer
- ❖ Food and Beverage Processing Grader

### Bachelor of Science in Agricultural Engineering

Bachelor of Science in Agricultural Engineering (BSAE) is a five year degree program that provides students with knowledge and skills on how to design agricultural machinery, agricultural equipment and agricultural structures, how to develop ways to conserve soil and water, how to improve the processing of agricultural products and how to work in research and development, production, sales and management in the agricultural sector.

### Career opportunities for BS in Agricultural Engineering graduates

Jobs for licensed Agricultural Engineers (board exam passers)

Jobs requiring no prior to minimal level of experience:

- ❖ Agricultural Engineer
- ❖ Researcher
- ❖ Farm supervisors and/or managers of commercial farms
- ❖ Agricultural Inspector
- ❖ Agricultural Machinery Dealer
- ❖ Sales Engineer

Require trainings and prior job experience of a few years:

- ❖ Faculty member of agricultural institutions
- ❖ Agricultural Manager
- ❖ Designer/Manufacturer of Agricultural Machinery
- ❖ Irrigation or Drainage Engineer
- ❖ Water Resource Engineer

Require years of extensive experience and practice:

- ❖ Agricultural consultant
- ❖ Farm owner/Agricultural Business Entrepreneur
- ❖ Agricultural Crop Specialist
- ❖ Erosion Specialists

Jobs for Non Board Passers:

- ❖ Agri-business technician
- ❖ Agricultural Mechanic
- ❖ Pesticide Technician
- ❖ Sales representative and/or extension agents

### Bachelor of Science in Computer Engineering

The Bachelor of Science in Computer Engineering (BSCpE) program is a combination of electrical engineering and computer science. Its curriculum provides students with a foundation in basic science, mathematics, software and engineering.

#### Career Opportunities for BSCpE graduates

Jobs related to Computer Engineering

Jobs requiring no prior to minimal level of experience

- ❖ Junior Software Developer
- ❖ Test Engineers
- ❖ Computer Programmer
- ❖ Support Specialist
- ❖ Instrumentation Technician
- Applications Analyst –
- Electrical Designer
- Robotics Control Systems Engineer

Require years of extensive experience and practice

- ❖ Network systems administrator/manager
- ❖ Computer Systems Manager
- ❖ Quality Assurance Manager
- ❖ Senior Communications Engineer
- ❖ Systems Analyst
- ❖ Network Architects
- ❖ Systems Engineer
- ❖ Computer Consultant

*College of Arts and Sciences*

The College of Arts and Sciences aims to produce graduates who can Display advanced knowledge in the fields of arts and sciences, able to apply researched - based concepts, theories and principles to current problems and issues, demonstrate a strong sense of commitment and moral values and provide responsive and empowering community extension services for the development of the people in the countryside. In order to achieve its goals, the college offers the following degree courses:

**Bachelor of Arts in Mass Communication**

The Bachelor of Arts in Mass Communication (ABMC) is a four-year degree program which centers on the study of the different ways to relay information to the public through mass media. This program has five core topics namely, Journalism, Film and Television, Public Relations, Advertising, and Multimedia Design.

**Career opportunities of ABMC graduates**

- ❖ Journalist
- ❖ Multimedia Designers
- ❖ Proof Reader
- ❖ Public Relations Officer
- ❖ Advertising Consultant
- ❖ Copy Writer
- ❖ Events Coordinator
- ❖ Production Assistant
- ❖ Photo Journalist
- ❖ Layout Artist
- ❖ Scriptwriter
- ❖ Broadcaster
- ❖ Radio/TV Announcer
- ❖ Academician
- ❖ Documentary/Film Maker



**Bachelor of Arts in English**

The AB-English program envisioned itself as a recognized training ground for competent language and communication practitioners and experts with a mission to provide students a high level of competence in the multidisciplinary arena of language and communication.

Graduates of this program may find employment as public and corporate communications/information officers, communication researchers/analysts, communication/media planners and managers, program/project development officers, public relations and advertising practitioners, learning system designers and allied/related professions.

**Bachelor of Science in Industrial and Commercial Communication**

The BSICC program will train students to become competent in the fields of Contact Center Services, Medical Transcription, foreign language translation and advertising and promotions. Likewise, the specialized track in service management for business process outsourcing was included which aims to prepare students for a career in BPO industry by equipping them with the required competencies needed for entry-level position and for further development.

Graduates of BSICC can be employed and flourish in BPO industries, private institutions and government agencies here and abroad as competent communicators.

**Bachelor of Arts in Economics**

The Bachelor of Arts in Economics (AB Econ) program provides students with a thorough understanding of the tools of micro and macroeconomic analysis. Students will possess the ability to apply economic tools and methods appropriately to real world situations. In addition, economic degree undergraduates will learn to communicate clearly and effectively and to gain global perspective on economic problems.

The BA in Economics degree prepares students for careers that require an in-depth understanding of the forces of the economy. The degree prepares its graduates for a variety of analytical professional opportunities as follows:

- |                            |                                 |
|----------------------------|---------------------------------|
| ❖ Administrative Staff     | Health Policy Planner           |
| ❖ Collections              | Econometrician                  |
| ❖ Purchasing               | Economics Advisor               |
| ❖ Sales                    | International Economists        |
| ❖ Credit Analysis          | Demographic or Labor Economists |
| ❖ Bank Clerk               | Chief Economist                 |
| ❖ Financial Analyst        | Agricultural Economist          |
| ❖ Investment Analyst       | Tax Economist                   |
| ❖ Commodity Analyst/Trader | Labor Relations Specialist      |
| ❖ Economics Teacher        | Economics Researcher            |
| ❖ Government Economist     |                                 |



### Bachelor of Science in Psychology

The Bachelor of Science in Psychology program (BSP) is designed to help you observe human behavior through the scientific method, allowing you to gain access to the human psyche and fathom its depths. You will gain the knowledge, tools and skills needed to assess and conduct empirical research regarding individual and group behavior through the lens of various psychological theories and concepts.

The BSP degree can prepare you for general careers in teaching, research, counseling and human resources. It can also be a foundation major for further studies in the fields of Medicine, Guidance and Counseling, Human Resource Development and Law.

#### Career opportunities for BSP graduates

Jobs designated for graduates of BS in Psychology who haven't taken any board exam:

- ❖ Human Resource Staff
- ❖ Training and Program Staff
- ❖ Community Program Developer
- ❖ Rehabilitation Specialist
- ❖ Researcher
- ❖ Academician

Jobs for licensed Psychologists

- ❖ Educational Psychologist
- ❖ Clinical Psychologist
- ❖ Industrial / Organizational Psychologist
- ❖ Psychotherapist
- ❖ Forensic Psychologist
- ❖ Engineering Psychologist

### Bachelor of Science in Guidance and Counseling

The Bachelor of Science in Guidance and Counseling program is designed to produce professionally focused and psychologically oriented counselors who are prepared to address intellectual, emotional, social and psychological needs of the individuals. Graduates of this program are prepared to counsel clients; to coordinate the resources of the work place and the community in order to meet the needs of clients. It also helps them to acquire the knowledge, skills, abilities and behaviors needed of professional counselors.

Guidance counselors generally work in public and private schools, where they meet with students individually or with entire classes for special events, such as substance abuse lectures and college recruitment information. Most guidance counselors work in elementary, middle and high schools; however, some work in colleges or universities and may be called academic advisers. Those who do not work in schools find jobs in vocational rehabilitation services and individual or family services.

### Bachelor of Arts in Political Science

The Bachelor of Arts in Political Science (PolSci) is a four-year degree program which centers on the study of governments, the history and forms of political institutions, political behavior and political policies. It covers important areas of study including Philippine Politics, Comparative Politics, International Relations, Political Theory and Methodology, Public Administration, Political Dynamics, Local and Global Governance, and Research in Politics. AB in Political Science is also a preparatory course for a law degree.

#### Career opportunities for AB-Pol.Sci graduates

- |  |  |
|--|--|
| ❖ Personnel in Government Offices, Courts                | Historian  |
| ❖ Law Firms, and Consular Offices –Paralegal/ Assistants | Corporate Adviser for Legal Governmental Relations |
| ❖ Public Opinion Researcher                              | Lecturer/Professor                                 |
| ❖ Survey Analyst   | Political Consultant                               |
| ❖ Foreign Service Officer                                | Legislative Analyst                                |
| ❖ Congressional Office/Committee Staff                   | Public Policy Analyst                              |
| ❖ Campaign Operator                                      | Political Commentator                              |

### Bachelor of Science in Biology

The BS Biology program is structured as a generalized framework of study with the end view of grounding students with the fundamental concepts, principles, and theories of the biological, natural and physical sciences and the conduct of research. This includes the acquisition of appropriate skills, and training in the efficient processing and presentation of information in both written and oral form.

#### Career Opportunities for Biology Graduates

The biological sciences present exciting and worthwhile career opportunities. With the wide range of areas of interest offered in the discipline, the work places are likewise varied from universities, zoos, hospitals, government, and laboratories in tropical rainforests to ocean depths.

A graduate of BS Biology may be engaged in basic and applied research where they can be employed as research assistants or biological laboratory technicians in government agencies, museums, zoos and aquaria, and private organizations.

They can also go into industrial research work involving product development, management, or inspection particularly in agriculture, biotechnology, food and nutrition, pharmaceutical and other health care related industries.

The bachelor's degree is adequate for some non-research jobs such as testing and inspection, and technical sales or service representatives. Some private and non-government organizations also hire BS Biology graduates for advocacy and communication work involving science, technology and the environment.



Graduates may also be engaged in biology-based industries such as production, food science and technology, management, marketing, and bioprospecting, public lectures and workshops, writing science articles in newspaper, magazines and books, production of educational software or multimedia applications, development of educational films and television programs, and collection, preservation and sale of biological specimens.

The program qualifies one to work as a teaching assistant in a college or university. With additional courses in education and passing of the Licensure Exam for Teachers, a BS Biology graduate can also be employed as a high school biology teacher.

The BS Biology program satisfies the preparatory education for medicine.

**Bachelor of Science in Mathematics**

Bachelor of Science in Mathematics (BSMath) is a four year degree program designed to give students a background in mathematical modeling, scientific computing, and the various modern applications of mathematics.

**Career opportunities for BSMath graduates**

- ❖ Math teacher
- ❖ Auditor
- ❖ Statistician
- ❖ Mathematician
- ❖ Financial Analyst
- ❖ Biometrician
- ❖ Marketing Analyst
- ❖ Cryptographer
- ❖ Actuarial Analyst
- ❖ Math Content Developer
- ❖ Biostatistician

**Bachelor of Science in Physics**

The Bachelor of Science in Physics program teaches students to understand and appreciate the natural world and aims to develop the quantitative analytical skills of the students.

**Career opportunities for graduates of BS in Physics**

- ❖ Quality Assurance Officer
- ❖ Environment Supervisor
- ❖ Laboratory Supervisor
- ❖ Laboratory Assistant
- ❖ Training Officer
- ❖ Competitive Analyst
- ❖ Academician
- ❖ Researcher
- ❖ Consultant

**Bachelor of Science in Chemistry**

Bachelor of Science in Chemistry (BS Chem) is a four year degree program that teaches students the conduct of standard laboratory procedures involved in chemistry and the use of chemical instrumentation in analytical and synthetic work. Important skills such as monitoring, observation and measurement of chemical properties and systematic recording and documentation are also included in the course. The program also teaches students how to design experiments and understand the limitations of the experimental approach.

**Career opportunities for BS Chemistry graduates**

Jobs for licensed Chemists (board exam passers)

- ❖ High School Chemistry Teacher
- ❖ Chemistry Professor
- ❖ Process Chemist
- ❖ Industrial Chemist
- ❖ Bench Chemist
- ❖ Agricultural Chemist
- ❖ Air Quality Chemist
- ❖ Analytical Chemist
- ❖ Clinical Biochemist
- ❖ Forensic Scientist
- ❖ Research Scientist
- ❖ Toxicologist
- ❖ Astrochemist
- ❖ Cement Chemist
- ❖ Cereal Chemist
- ❖ Chemical Analyst
- ❖ Chemical Laboratory Chief
- ❖ Coagulating Drying Supervisor
- Cosmetic Chemist
- Control Chemist
- Environmental Chemist
- Food and Flavor Chemist
- Formulation Chemist
- Medical Product Development Chemist
- Method Development Scientist
- Nuclear Chemist
- Physical Chemist
- Sanitary Chemist
- Soil Chemist
- Textile Chemist
- Water Chemist
- Wet Chemistry Analyst
- Energy Chemist
- Exploration Geophysicist
- Nanotechnologist
- Geochemist

Jobs for Non Board Passers:

- ❖ Chemical Technician
- ❖ Technical sales and service agent
- ❖ Technical and Science Writer
- ❖ Testing Technician
- ❖ Food and Beverage Processing Grader

**Bachelor of Science in Environmental Science**

Bachelor of Science in Environmental Science (BSES) program deals with environmental processes and phenomena, natural resources management and the human population. It equips students with knowledge in the scientific theories and techniques needed to monitor and understand the environment. BSES is a combination of biology, chemistry, physics, earth science, ecology and mathematics; it helps students understand these disciplines and apply them in an integrated way in the analysis of environmental problems/issues.

**Career opportunities for BS EnviScie graduates**

- ❖ Environmental consultant
- ❖ Environmental education officer
- ❖ Environmental manager
- ❖ Nature conservation officer
- ❖ Recycling officer
- ❖ Sustainability consultant
- Waste management officer
- Water quality scientist
- Environmental health practitioner
- Town planner
- Toxicologist
- Environmental Science Teacher



*College of Human Kinetics*

The College of Human Kinetics is committed to create a tool in training and building future teachers, who are agents of the implementation of the physical education program. As such, CHK offers the **Bachelor of Physical Education with two (2) major courses: School Physical Education and Sports and Wellness Management.**

The Bachelor of Physical Education program envisions to place our graduates into these jobs and industries:

- BPE-SPE**
- ❖ Professional Teachers teaching MAPEH
  - ❖ Coaches and Trainers in various Sports
  - ❖ Dance Enthusiasts/ Choreographers
  - ❖ Researchers
  - ❖ Sports Activities Organizers and Supervisors
  - ❖ Technical officials

- BPE-SWM**
- ❖ Personal Trainers and Fitness Instructors (local and abroad)
  - ❖ Researchers
  - ❖ Coaches and Trainers in various sports
  - ❖ Developers of Strength and Conditioning programs
  - ❖ Health and Wellness consultants
  - ❖ Dance Trainers/Enthusiasts/Choreographers
  - ❖ Sports facilities Managers
  - ❖ Sports Activities Organizers and Supervisors
  - ❖ Technical officials
  - ❖ Local Government Units (as health and wellness coordinators)



*College of Information and Computing Sciences*

The College shall produce competent ICS professionals with strong technical education and research capabilities coupled with application-oriented perspective to ensure that they can effectively serve the needs of individuals and organizations. CICS offers the following courses:

**Bachelor of Science in Computer Science**

The program focuses on the study of concepts and techniques, algorithmic foundations, implementation and application of information and computing solutions. Graduates of this program may qualify for but not limited to the following entry level positions:

- ❖ Software applications developer
- ❖ Computer systems analyst
- ❖ Computer systems engineer
- ❖ **Researcher**
- ❖ Computer Science Instructor
- ❖ Database Programmer / Designer
- ❖ Information Security Engineer
- Business intelligence analyst
- Web developer
- Computer programmer
- Software systems developer
- Database administrator
- Software quality assurance (QA) tester

**Bachelor of Science in Information Technology**

The program focuses on the study of utilization of computers and computer software to plan, install, customize, operate, manage, administer and maintain information technology infrastructure. Graduates of this program may be qualified but not limited to the following positions:

- ❖ Software applications developer
- ❖ Computer systems analyst
- ❖ Network systems administrator
- ❖ Information security analyst
- ❖ Computer user support specialist
- ❖ Information Technology Instructor
- ❖ IT project manager
- ❖ Software systems developers
- ❖ Management analyst
- ❖ Computer programmer
- ❖ Entrepreneur in IT Industry
- ❖ Technical Support Specialist
- ❖ Web Administrator / Web Master
- ❖ Web Developer
- ❖ Database administrator



**BSIT Major in Animation and Game Development**

The BSIT Animation is the study and use of concepts, principles, and techniques of computing in the design and development of multimedia products and solutions. It includes various applications such as in science, entertainment, education, simulations and advertising.

After satisfactorily completing all the requirements leading to the degree, students may qualify but not limited to the following entry positions:

- ❖ Lead Game Programmer/Developer
- ❖ Game Designer
- ❖ Associate Game Producer
- ❖ Graphics Programmers
- ❖ Creative Programmer
- ❖ Technical Animator
- Creative Content Developer
- Animation Quality Assurance Specialist
- Digital 2D or 3D Animation Content Producer
- Digital 2D or 3D Production Designer
- Graphic Artist



## College of Public Administration

The College aims to develop public servants with the required knowledge, values and skills to serve as professionals in government and civil society.

BPA prepares its graduates for technical and administrative positions in government, including foreign service and civil society. It is a good preparation for those interested in taking up law. Graduates can look forward to executive and policy-making positions in government, both elective and appointive, as well as executive and policy-making positions in civil society organizations.

## College of Industrial Technology

The College of Industrial Technology aims to accelerate the development of industrial technology manpower required by the country's economic recovery and industrialization program as well as enhance productivity, employability and self-reliance.

### Bachelor of Science in Industrial Technology

Bachelor of Science in Industrial Technology (BSIT) is a four year degree program designed to equip students with the principles and procedures of shop training and technology repair works. It also trains students in the operation and maintenance of technical systems and equipment used in mechanical design and construction technology.



### Specializations

- ✓ Automotive Technology – the design, construction and operation of motor, engines and automobiles.
- ✓ Electrical Technology – the design and development of high-voltage systems and components such as motors, generators, heaters, electrical power transmission and distribution systems, radio wave and optical systems, converters, and control systems for operating light and heavy machinery.
- ✓ Electronics Technology – concerned with the development, behavior, and applications of electronic devices and circuits.
- ✓ Refrigeration and Air-conditioning Technology – the design and development of household refrigerators, industrial freezers, cryogenics, and air conditioning.
- ✓ Food Technology – the application of food science to the selection, preservation, processing, packaging, distribution, and use of safe food.
- ✓ Drafting – the systematic representation and dimensional specification of mechanical and architectural structures.

- ✓ Mechanical Technology – introduces students to the principles, materials, and equipment of mechanical technology. Emphasis is placed on drafting, design, and an understanding of basic machine components.
- ✓ Garments Technology – teaches students the fabrication or sculptural process that joins materials, usually metals or thermoplastics

### Career opportunities for BS Industrial Technology graduates

- |   |                               |
|---|-------------------------------|
| ❖ Machinist                                     | Drafter                       |
| ❖ Technician/Mechanic                           | Industrial Technologist       |
| ❖ Automotive technician                         | Quality assurance Officer     |
| ❖ Electrical Technician                         | College/vocational instructor |
| ❖ Electronics technician                        | Cost estimator                |
| ❖ Refrigeration and Air-conditioning technician | Safety coordinator            |
| ❖ Mechanical technician                         | Site supervisor               |
| ❖ Welding and Fabrication technician            | Project Manager, Construction |
| ❖ Food Technologist                             | Production manager            |
| ❖ Garments Technologist                         | Operations manager            |
|   | Drafting Technician           |



### Admission Requirements

The following are the requirements for admission:

#### Freshmen

1. Admission Test Result
2. Form 138
3. Certificate of Good moral character
4. 2 copies of I.D. picture
5. Police clearance
6. Authenticated NSO Birth Certificate

#### Transfer Students

1. Admission Test Result
2. Honorable Dismissal
3. OTR/Copy of Grades
4. Cert of Good Moral character
5. 2 copies of I.D. picture
6. NSO Birth Certificate
7. Police Clearance