

BSED SCIENCE

GE COURSES

- Understanding the Self
- Readings in Philippine History
- The Contemporary World
- Mathematics in the Modern World
- Purposive Communication
- Art Appreciation
- Science, Technology and Society
- Ethics
- Life and Works of Rizal
- Gender and Society
- Living in the IT Era
- Reading Visual Arts

MANDATED AND ADDITIONAL GE COURSES

- Komunikasyon sa Akademikong Filipino
- Pagbasa't Pagsulat Tungo sa Pananaliksik
- Masining na Pamamahayag
- Life and Works of Rizal
- Philippine Literature
- World Literature
- Physical Education 1-4
- NSTP 1&2

FOUNDATION/THEORIES AND CONCEPTS

- The Child and Adolescent Learners and Learning Principles
- The Teaching Profession
- The Teacher and Community, School Curriculum and Organizational Leadership
- Foundation of Special and Inclusive Education

METHODS AND STRATEGIES

- Facilitating Learner-Centered Teaching
- Assessment in Learning 1
- Assessment in Learning 2
- Technology for Teaching and Learning 1
- The Teacher and the School Curriculum
- Building and Enhancing New Literacies Across the Curriculum

EXPERIENTIAL LEARNING

- Field Study 1
- Field Study 2
- Teaching Internship

MAJOR COURSES

- Earth Science
- Inorganic Chemistry
- Genetics
- Organic Chemistry
- Astronomy
- Environmental Science
- The Teaching of Science
- Biochemistry
- Microbiology and Parasitology
- Analytical Chemistry
- Anatomy and Physiology
- Cell and Molecular Biology
- Thermodynamics
- Research in Teaching Science
- Electricity and Magnetism
- Modern Physics
- Waves and Optics
- Fluid Mechanics
- Technology and Learning Science
- Meteorology

INSTITUTIONAL COURSES

- Foreign Language 1
- Foreign Language 2
- Foreign Language 3
- Foreign Language 4
- Research Methodologies 2
- Orientation to WIS Guiding Principles
- Career Planning and Development
- Comprehensive Examinations and Pre LET
- Teacher Education Assessment and Evaluation

PERFORMANCE INDICATORS

- Display basic and comprehensive understanding of knowledge, principles of the subject matter in the sciences.
- Apply the scientific principles in solving current problems.
- Uses scientific inquiry in understanding and explaining natural phenomena
- Design and utilizes appropriate instructional materials in science
- Employ effective teaching techniques for diverse types of learners in varied learning conditions
- Design and utilizes a variety of appropriate assessment techniques to monitor and evaluate learning
- Provide regular feedback to students
- Utilize appropriate pedagogy and use of technology for the different science content areas
- Demonstrate skills in various methods of teaching-learning in the sciences to include conducting science investigations, making models and prototype, and doing science research
- Create and utilize learning experiences in the classrooms to develop learners' skills in discovery learning, problem solving and critical thinking

PROGRAM OUTCOMES

- Demonstrate deep understanding of scientific concepts and principles
- Apply scientific inquiry in teaching and learning
- Utilize effective science teaching and assessment methods
- Manifest meaningful and comprehensive pedagogical content knowledge (PCK) of the sciences