



## **BACHELOR OF SCIENCE IN ENTREPRENEURSHIP**

### **Program Description**

The 4-year Bachelor of Science in Entrepreneurship program aims to produce globally-competent entrepreneurs, business leaders, and professionals equipped with creativity, critical thinking, risk intelligence and effective communication skills imbued with integrity and excellence in the field of entrepreneurship and management.

Graduates of the 4-year Bachelor of Science in Entrepreneurship program can pursue careers as self-employed professionals and may bring entrepreneurial mindset and assume managerial positions in the field of Sales, Business Development, and other related positions in the private or public organization.

### **Program Outcomes**

1. Analyze/scan the environment to determine business opportunities and develop their profitability profiles from which entrepreneurial ventures can be selected from.
2. Create a business plan to start and grow their businesses with a high level of entrepreneurial competencies.
3. Prepares and comply with requirements for business operations
4. Mobilize the necessary human, financial, logistical and technical resources to implement the business plan.
5. Build connections and business networks through real case studies and industry exposures.
6. Apply entrepreneurial values in any undertakings and assume managerial positions.
7. Operate and manage the enterprise observing good governance and social responsibility.



## BACHELOR OF SCIENCE IN ENTREPRENEURSHIP

### FIRST YEAR

First Semester		No. of hrs.		RLE		Total Units	Pre-requisites	Co-requisites
		Lec	Lab	SL	C			
RCICALL01	Computer Aided Language Learning Program 1	0	1	0	0	1		
GEDCORE01	Understanding the Self	3	0	0	0	3		
GEDCORE02	Readings in Philippine History	3	0	0	0	3		
GEDCORE03	Purposive Communication	3	0	0	0	3		
GEDCORE04	Mathematics in the Modern World	3	0	0	0	3		
NSTPCWTS1	National Service Training Program 1 CWTS	3	0	0	0	3		
PHYSEDU01	Physical Education	2	0	0	0	2		
MICROECON	Microeconomics	3	0	0	0	3		
ENTREPBEH	Entrepreneurial Behavior	3	0	0	0	3		
<b>Total</b>		<b>23</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>24</b>		

### Second Semester

Second Semester		No. of hrs.		RLE		Total Units	Pre-requisites	Co-requisites
		Lec	Lab	SL	C			
RCICALL02	Computer Aided Language Learning Program 2	0	1	0	0	1	RCICALL01	
RCIREED01	Values and Leadership Of Jesus Christ	2	0	0	0	2		
GEDCORE05	The Contemporary World	3	0	0	0	3		
GEDCORE06	Science, Technology and Society	3	0	0	0	3		
GEDCORE07	Ethics	3	0	0	0	3		
NSTPCWTS2	National Service Training Program 2 CWTS	3	0	0	0	3		
PHYSEDUC2	Physical Education 2	2	0	0	0	2		PHYSEDUC01
ELECTIVE1	Family Business Management	3	0	0	0	3		
OPPORSEEK	Opportunity Seeking	3	0	0	0	3		
<b>Total</b>		<b>20</b>	<b>1</b>	<b>4</b>	<b>0</b>	<b>25</b>		

### SECOND YEAR

First Semester		No. of hrs.		RLE		Total Units	Pre-requisites	Co-requisites
		Lec	Lab	SL	C			
RCIREED02	Lessons of Professionalism in the Bible	2	0	0	0	2	RCIREED01	
RCICALL03	Computer Aided Language Learning Program 3	0	1	0	0	1	RCICALL01	



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PHYSEDU03	Physical Education 3	2	0	0	0	2
FS-ENTREP	Understanding Financial Statements to Manage Enterprise	3	0	0	0	3
GEDCORE08	Art Appreciation	3	0	0	0	3
GEMANDATE	Life and Works of Rizal	3	0	0	0	3
ELECTIVE2	Managing a Manufacturing Enterprise	3	0	0	0	3
INNOVMANT	Innovation Management	3	0	0	0	3
PRICOST01	Pricing and Costing	3	0	0	0	3
<b>Total</b>		<b>22</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>23</b>

<b>Second Semester</b>		<b>No. of hrs.</b>		<b>RLE</b>		<b>Total</b>	<b>Pre-</b>	<b>Co-</b>
		<b>Lec</b>	<b>Lab</b>	<b>SL</b>	<b>C</b>	<b>Units</b>	<b>requisites</b>	<b>requisites</b>
GEDELEC01	Great Books	3	0	0	0	3		
RCICALL04	Computer Aided Language Learning Program 4	0	1	0	0	1	RCICALL03	
PHYSEDUC4	Physical Education 4	2	0	0	0	2	PHYSEDUC03	
HUMREST01	Human Resource Management	3	0	0	0	3		
MARCONBEH	Market Research and Consumer Behavior	3	0	0	0	3		
CBMEC1-TQM	Operations Management (TQM)	3	0	0	0	3		
SPECTRACK1	Meetings Incentives Conferences and Events Management (MICE)	3	0	0	0	3		
SPECTRACK2	Hospitality Organizational Management	3	0	0	0	3		
<b>Total</b>		<b>20</b>	<b>1</b>	<b>0</b>	<b>0</b>	<b>21</b>		

## THIRD YEAR

<b>First Semester</b>		<b>No. of hrs.</b>		<b>RLE</b>		<b>Total</b>	<b>Pre-</b>	<b>Co-</b>
		<b>Lec</b>	<b>Lab</b>	<b>SL</b>	<b>C</b>	<b>Units</b>	<b>requisites</b>	<b>requisites</b>
FINMAN101	Financial Management	2	0	0	0	2	GEDCORE04	
INTERTRADE	International Business and Trade	3	0	0	0	3		
ELECTIVE3	E-Commerce	3	0	0	0	3		
ELECTIVE4	Wholesale and Retail Sales Management	3	0	0	0	3		
SPECTRACK3	Recreational and Leisure Management	3	0	0	0	3		
<b>Total</b>		<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>		

<b>Second Semester</b>		<b>No. of hrs.</b>		<b>RLE</b>		<b>Total</b>	<b>Pre-</b>	<b>Co-</b>
		<b>Lec</b>	<b>Lab</b>	<b>SL</b>	<b>C</b>	<b>Units</b>	<b>requisites</b>	<b>requisites</b>
GEDELEC07	Gender and Society	3	0	0	0	3		
BPLAN-PREP	Business Plan Preparation	3	0	0	0	3	MARCONBEH	



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SPECTRACK4	Accommodation Operations and Management	3	0	0	0	3
PROGDEV01	Programs and Policies on Enterprise Development	3	0	0	0	3
BUSLAWTAX	Business Law and Taxation	3	0	0	0	3
<b>Total</b>		<b>15</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>15</b>

## FOURTH YEAR

### First Semester

		No. of hrs.		RLE		Total	Pre-	Co-
		Lec	Lab	SL	C	Units	requisites	requisites
GEDELEC05	People and the Earth's Ecosystem	3	0	0	0	3		
BUSPLAN01	Business Plan Implementation I	3	0	0	0	3	BPLAN-PREP	
CBMEC2-STRAT	Strategic Management	3	0	0	0	3		
<b>Total</b>		<b>9</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>11</b>		

### Second Semester

		No. of hrs.		RLE		Total	Pre-	Co-
		Lec	Lab	SL	C	Units	requisites	requisites
BUSPLAN02	Business Plan Implementation II (W/Immersion)	3	2	0	0	5	BUSPLAN01	
SOCENTREP	Social Entrepreneurship	3	0	0	0	3		
SPECTRACK5	Tour and Travel Operations	3	0	0	0	3		
<b>Total</b>		<b>9</b>	<b>2</b>	<b>0</b>	<b>0</b>	<b>11</b>		



## SUMMARY OF REQUIRED COURSES Bachelor of Science In Entrepreneurship

	Number of Courses Required	RLE/ Lec	Lab	Total Subtotal	Units
<b>Core Courses</b>					24
Understanding the Self	1	3	0	3	
Readings in Philippine History	1	3	0	3	
The Contemporary World	1	3	0	3	
Mathematics in the Modern World	1	3	0	3	
Purposive Communication	1	3	0	3	
Art Appreciation	1	3	0	3	
Science, Technology and Society	1	3	0	3	
Ethics	1	3	0	3	
<b>Elective Courses</b>					9
Great Books	1	3	0	3	
Gender and Society	1	3	0	3	
The Entrepreneurial Mind	1	3	0	3	
<b>The Life and Works of Rizal</b>					3
The Life and Works of Rizal	1	3	0	5	
<b>Other Courses</b>					14
Physical Education	4	2	0	8	
National Service Training Program (NSTP 1 and 2)	2	3	0	6	
<b>Major Courses</b>					6
Operations Management	3	0	0	3	
Strategic Management	3	0	0	3	
<b>SPECIALIZED TRACK</b>					15
Meetings Incentives Conferences and Events Management	1	3	0	3	
Hospitality Organizational Management	1	3	0	3	
Recreational and Leisure Management	1	3	0	3	
Accommodations Operations and Management	1	3	0	3	
Tour and Travel Operations	1	3	0	3	



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<b>ELECTIVES</b>					12
Family Business and Management	1	3	0	3	
Managing a Manufacturing Enterprise	1	3	0	3	
E-Commerce	1	3	0	3	
Wholesale and Retail Management	1	3	0	3	
<b>Other Institutional Courses</b>					11
Computer Aided Learning Program 1	1	0	1	1	
Computer Aided Learning Program 2	1	0	1	1	
Computer Aided Learning Program 3	1	0	1	1	
Computer Aided Learning Program 4	1	0	1	1	
Values and Leadership of Jesus	1	2	0	2	
Lessons of Professionalism in the Bible	1	2	0	2	
Understanding Financial Statements to Manage Enter[prise	1	3	0	3	
<b>Professional Courses</b>					49
Entrepreneurial Behavior	1	3	0	3	
Opportunity Seeking	1	3	0	3	
Business Plan Preparation	1	3	0	3	
Business Plan Implementation I:					
Product Development & Market Analysis	1	3	2	5	
Business Plan Implementation II	1	3	0	3	
Market Research and consumer Behavior	1	3	0	3	
Microeconomics	1	3	0	3	
Business Law and Taxation	1	3	0	3	
Financial Management	1	3	0	3	
International Business and Trade	1	3	0	3	
Human Resource Management	1	3	0	3	
Pricing and Costing	1	3	0	3	
Innovation Management	1	3	0	3	
Social Entrepreneurship	1	3	0	3	
Programs and Policies on Enterprise Development	1	3	0	3	
<b>Total</b>					<b>143</b>









## ELECTIVE COURSE DESCRIPTION

### **ELECTIVE1** **3 units** **FAMILY BUSINESS MANAGEMENT**

This course enables the student to understand how family businesses to operate in the country. The course touches on the dynamics of the family within the business, transfer of ownership, professionalism, and succession. This course also introduced students learn what differentiates this type of business and the characteristics that make family owned firms different from other business environments. The entrepreneur who takes over the family business will have innovative ideas to enhance the business. This brings complexity and challenges as an entrepreneur and this course explores some of those while also constructing effective strategies.

### **ELECTIVE2** **3 units** **MANAGING A MANUFACTURING ENTERPRISE**

This course will make students aware of what a digitally connected manufacturing enterprise is, as they learn about the operational complexity of enterprises, business process optimization and the concept of an integrated product-process-value chain. This course will also discuss the issues and concerns related to manufacturing enterprise, manufacturing management tools, manufacturing automation and product realization; role of information technology

and electronic data in manufacturing enterprise systems; product life-cycle management (PLM) and related tools and processes; sustainable and green manufacturing.

### **ELECTIVE3** **3 units** **E-COMMERCE**

This course aims to teach the students the basics of conducting business and commerce using the internet facilities and network. It introduces students to the tools and systems and skills needed to enable them to conduct electronic business and commerce.

### **ELECTIVE4** **3 units** **WHOLESALE AND RETAIL SALES MANAGEMENT**

This course will discuss the issues and concerns related to wholesale and retail sales. The aim of the course is to introduce students to the area of sales management with a focus on the linkages between various sales intermediaries. The completion of the course, students will be able to: Determine and assess appropriate distribution strategy for a industry, understand and elaborate on a connection between distribution strategy and channel management, and outline the specific challenges of sales management, incl. its role in creating customer satisfaction and delivering excellent services.



## PROFESSIONAL COURSE DESCRIPTION

### **ENTREPBEH 3 units** **ENTREPRENEURIAL BEHAVIOR**

At the end of the semester, students should be able to enumerate and identify entrepreneurial traits, behaviors, and competencies. During the course the students will be able to perform self-assessment to determine their level of predisposition to entrepreneurs. This course will also include personal entrepreneurial competencies, management styles, business ethics, responsibilities and duties of entrepreneur.

### **OPPORSEEK 3 units** **OPPORTUNITY SEEKING**

This course will include steps/stages in project planning, evaluation of external factors affecting entrepreneurial activities, internal factors important in identifying business opportunities, and environmental scanning. Also, the students will be able to apply project identification / selection techniques and identify and select business opportunity the students would like to pursue. This course will also include topics on macro and micro screening, and steps in project selection. The students will also be taught how to relate entrepreneurial competencies with project selection while considering the current business environment.

This course will also cover special topics to students and broaden their thinking about AI (Artificial Intelligence), as an opportunity seeking venture. Students will understand how AI is driving disruption in the industry and explore how to unlock the opportunities it presents. Students will get an overview of

the AI market landscape, as well as meeting some of the startups and corporations that are creating or disrupting business with AI.

### **BPLAN-PREP 3 units** **BUSINESS PLAN PREPARATION**

At the end of the semester, the students should be able to prepare a business plan. The course will cover the features of a feasibility study and a business plan including marketing, operations, personnel and financial plans. Requirements in manufacturing and service sectors will be differentiated. A comprehensive marketing plan of a particular project shall be expected as a major output required by the course.

### **BPLAN01 3 units** **BUSINESS PLAN IMPLEMENTATION I**

At the end of the semester, the students should be able to prepare marketing, operations, personnel and financial plans. The students will learn to evaluate their plans and determine their viability as resources are considered. Topics to be discussed our sourcing of financing, franchising, incubators, and venture capital among others. The expected output from each student is a complete Business Plan.

Students will acquire the skills and know-how to develop their business idea all the way from the conceptual stage to the market place. They will be guided in building a scalable business model via real-life experiments at a real marketplace with real customer feedback and launch their MVP (minimum viable product) to build real market traction and acquire their customers.



## **BPLAN02** **3 units** **BUSINESS PLAN IMPLEMENTATION II**

This course is designed to encourage and allow students to implement the business plan they have produced in their third year. The students are expected to set up the project as a business activity where actual revenue generation can be realized.

Daily mentoring and support by experienced professionals from various business, marketing, IT and design backgrounds is an essential part of the course. In this way participants benefit from a unique hands-on learning and experience of a genuine startup life.

## **MARCONBEH** **3 units** **MARKET RESEARCH AND** **CONSUMER BEHAVIOR**

This course studies consumer behavior from a marketing perspective. Students will become familiar with consumer behavior models of decision-making, taking a closer look at how consumers process information, develop preferences and make choices. This course will cover how different marketing tactics are used by business/organizations to influence consumers.

Students will also learn how to design a research plan, analyze the data gathered and accurately interpret and communicate survey reports, translating the results into practical recommendations. Students will then focus in on the consumer decision-making process, highlighting the key moments from identifying a need to buying and consuming a product. Students will adopt a true “consumer focus” through a managerial decision

perspective by analyzing how consumers make decisions, what happens (in their hearts and minds) at different stages of the decision-making process, and the variables that influence those decisions.

## **MICROECON** **3 units** **MICROECONOMICS**

The course covers the basic principles of Microeconomics for Entrepreneurship students. This course introduces the students to the economics of the firm and how resource is allocated by individual decision-making units. In particular, the course expounds on the basic microeconomic theories governing the concepts of demand and supply; production theory’ costs, and pricing and output determination.

## **BUSLAWTAX** **3 units** **BUSINESS LAW AND TAXATION**

The course covers basic principles of law in relation to contracts and obligations. It involves discussion of the nature, sources, kinds and extinguishments of obligation and provision of negotiable instruments. Students will also gain knowledge about income taxation. This will also cover the nature, scope and limitations and other basic principles of taxation.

## **FINMAN101** **3 units** **FINANCIAL MANAGEMENT**

This course is designed to make students understand the basic finance concepts. The course involves studies on decision-making utilizing financial resources available to the firm from the perspective of the manager. The course emphasizes the understanding of finance theory and working knowledge of the financial environment in which the firm operates in order to develop appropriate financial



strategies. Hence, it covers the whole range of basic finance concepts, economics and financial environment, financial statement analysis, risk analysis, the valuation process, capital budgeting, and capital structure and dividend policy. It will also cover financial analytical tools, cash flow management techniques & working capital management

## **INTERTRADE INTERNATIONAL BUSINESS AND TRADE** **3 units**

The course provides an introduction to international business and the core concepts and techniques for entering the international marketplace, and how international business variables affect the trade process. It aims to highlight the realities of international business; some of its advantages and its problems that come when business is conducted on the international stage. Emphasis is on the effect of sociocultural, demographic, economic, technological, and political-legal factors in the foreign trade environment. This course will cover a variety of topics to illustrate the unique nature of international business including the patterns of world trade, currency exchange and international finance, globalization of the firm, international marketing, and operating procedures of the multinational enterprise. Students will also learn the comparative theoretical frameworks for establishing international business enterprises, including trade and investment theory, effects of government intervention and aid. The role of social and economic aid organizations such as the UN, EU, IMF and World Bank will also be discussed.

## **HUMREST01 HUMAN RESOURCE MANAGEMENT** **3 units**

The course covers range of major issues impacting on human resource management in organizations, including demographic and social change, ethics in HRM, managing diversity, assessment center techniques, the impact of government legislation in HRM, the contributions of HRM to improving productivity, manage outsourcing, career development and mentoring.

## **PRCOST01 PRICING AND COSTING** **3 units**

This course prepares students to address strategic and tactical pricing issues and to identify profit-boosting changes in pricing practices across a range of professional contexts – as management consultants, product managers, entrepreneurs, business unit managers, and M&A advisors (mergers and acquisitions). It will include the concepts and tools of cost accounting that will serve as a natural response to managerial decision making at all levels of strategic planning and execution. The course familiarizes students with the essential concepts and procedures pertaining to the development and functioning of cost accounting systems relevant to managerial decisions, control and performance reporting. Emphasis is given on cost issues and pricing policies in liberalized markets and on regulated markets. To this end, the economics of regulation and market liberalization are analyzed by providing evidence in specific sectors in the economies of where the process of market liberalization and regulation has taken place successfully.



## **INNOVMANT** **3 units** **INNOVATION MANAGEMENT**

This course is designed to help students deepen their understanding of new product innovation, development, and management. The focus of the course is on practices and processes that entrepreneurs and managers use to manage innovation effectively in new and existing organizations and in networks. The course design is grounded in the assumption that an integrated approach to strategy (why?) and implementation (how?) of innovation is necessary. The module provides exercises on applying innovation related theories to specific context and phases of innovation. The course will seek to develop students' critical thinking, decision-making skills, and creativity to develop and launch a successful new product (team project). Students will also learn and conceptualize how to create digital product experiences powered by AI and big data that interact with high levels of cognition.

## **SOCENTREP** **3 units** **SOCIAL ENTREPRENEURSHIP**

Social entrepreneurship is a new and fast-growing field of academic study and real-world practice. In real essence, social entrepreneurship is doing well financially by creatively solving social issues. Social entrepreneurship is a rapidly developing field of business in which entrepreneurs are using business methods to help solve social and environmental challenges otherwise ignored or missed by commerce and

addressed predominately with often unsustainable donor-driven models by the nonprofit sector.

This course introduces students to both theory and practice of social entrepreneurship through highly experiential, interactive, and collaborative workshops. Working in a team and on a social issue they care about, students will learn system thinking skills, entrepreneurial mindset, skills, and tools to start up their own social venture or work in a social business.

## **PROGDEV01** **3 units** **PROGRAMS AND POLICIES ON** **ENTERPRISE DEVELOPMENT**

The course begins with an analysis of various small and medium size enterprises, before presenting and assessing the effectiveness of a range of practical measures to upgrade small enterprises and promote employment and enterprise formalization. Throughout the course, special emphasis will be given to policy coherence and coordination. Students will review practical tools (for training, sensitization, policy review etc.) and interventions that assist in designing enterprise formalization strategies.

Topics in Enterprise Development aims to prepare students by providing a practical and experiential vehicle to incubate and nurture business ideas to a more mature stage. This will be done through direct hands-on learning but being guided by formal mentoring and coaching.







of a variety of texts and focuses on the power of language and the impact of images to emphasize the importance of conveying messages responsibly. The knowledge, skills, and insights that students gain from this course may be used in their other academic endeavors, their chosen disciplines, and their future careers as they compose and produce relevant oral, written, audio-visual and /or web-based output for various purposes.

### **GEDCORE04** **3 units** **MATHEMATICS IN THE MODERN WORLD**

This course deals with nature of mathematics, appreciation of its practical, intellectual and aesthetic dimensions and application of mathematical tools in daily life.

The course begins with an introduction to the nature of mathematics as an exploration of patterns (in nature and environment) and an application of inductive and deductive reasoning. By exploring these topics, students are encouraged to go beyond the typical understanding of mathematics as merely a set of formulas but as a source of aesthetics in patterns of nature and a rich language in itself (and the science) governed by logic reasoning.

The course then proceeds to survey ways in which mathematics provides a tool for understanding and dealing with various aspects of present day living such as managing personal finances, making social choices, appreciating geometric designs, understanding codes used in data transmission and security, and dividing limited resources fairly. These aspects will provide opportunities for actually doing mathematics in a broad

range of exercises that bring out the various dimensions of mathematics as a way of knowing the test the students' understanding and capacity. (CMO No. 20, series of 2013)

### **GEDCORE05** **3 units** **THE CONTEMPORARY WORLD**

This course introduces students to the contemporary world by examining the multifaceted phenomenon of globalization. Using the various disciplines of the social sciences, it examines the economic, social, political, technological and other transformations that have created an increasing awareness of the interconnectedness of people and places around the globe. To this end, the course provides an overview of the various debates in global governance, development and sustainability. Beyond exposing the student to the world outside the Philippines, it seeks to inculcate a sense of global citizenship and global ethical responsibility.

This course includes mandatory topics on population education in the context of population and demography.

### **GEDCORE06** **3 units** **STS- SCIENCE, TECHNOLOGY AND SOCIETY**

The course deals with the interaction between science and technology and social, cultural, political and economic contexts that shape and are shaped by them (CMO No. 20, series of 2013)

The interdisciplinary course engages students to confront the realities brought about by science and technology in society. Such realities pervade the



personal, the public, and the global aspects of our living and are integral to human development. Scientific knowledge and technological development happen in the context of society with all its socio-political, cultural, economic and philosophical underpinnings at play. This course seeks to instill reflective knowledge in the students that they are able to live the good life and display ethical decision making in the face of scientific and technological advancement. This course includes mandatory topics on climate change and environmental awareness.

## **GEDCORE0 7** **3 units** **ETHICS**

Ethics deals with principles of ethical behavior in modern society at the level of the person, society, and in interaction with the environment and other shared resources. (CMO 20 s 2013)

Morality pertains to the standards of right and wrong that an individual originally picks up from the community. The course discusses the context and principles of ethical behavior in modern society at the level of individual, society, and interaction with the environment and other shared resources. The course also teaches students to make moral decisions by using dominant moral frameworks and by applying a seven-step moral reasoning model to analyze and solve moral dilemmas. The course is organized according to the three (3) main elements of the moral experience: (a) agent, including context-cultural communal, and environmental; (b) the act; and (c) reason or framework (for the act).

## **GEDCORE08** **3 units** **ART APPRECIATION**

Art Appreciation is a three-unit course that develops students' ability to appreciate, analyze, and critique works of art. Through interdisciplinary and multimodal approaches, this course equips students with a broad knowledge of the practical, historical, philosophical and social relevance of the arts in order to hone students' ability to articulate their understanding of the arts. The course also develops students' competency in researching and curating art as well as conceptualizing, mounting and evaluating art productions. The course aims to develop students' genuine appreciation for Philippine arts by providing them opportunities to explore the diversity and richness and their rootedness in Filipino culture.

## **BICHMSTRY** **5 units** **BIOCHEMISTRY**

Chemistry for the Life Sciences is a course for students typically majoring in nursing. The course gives a general knowledge of chemistry (mostly inorganic) with an emphasis on health-related topics and problem-solving strategies. Descriptive and quantitative principles are discussed. This course also introduces the fundamental principles of biochemistry and biochemical reaction cycles. Its deals with the study of the properties, structures, functions, absorption, digestion and metabolism of proteins, enzymes, carbohydrates and lipids.

## **MICROPARA** **4 units** **MICROBIOLOGY** **AND** **PARASITOLOGY**

This is an introductory course designed to assist students in the study of the





important microorganisms and parasites. The first part covers the fundamentals of Microbiology (forms, morphology, arrangement and physiology of bacteria, fungi, viruses and protozoa) mechanics of causing diseases, their resistance to treatment and the body's immune defense against them. The second part briefly covers the study of human parasites (mode of transmission, life cycle and disease process) which are of medical importance.

Emphasis of this course is given on pathology, treatment and prevention of various diseases.

## **CO PHYSICS** **3 units** **COLLEGE PHYSICS**

It is a lecture and laboratory course. The course deals with the basic concepts of Physics, such as matter and energy and their interaction. Conceptual approach is used. Covers the ideas of motion, forces, momentum and energy from within the framework of Newton's Laws. The principles and applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces are studied with emphasis on problem solving. Laboratory experiments supporting the topics are included. The students are provided with laboratory activities designed to strengthen classroom discussions and lectures.

## **EARTH SCIE** **3 units** **EARTH SCIENCE**

Earth Science and the Environment is a 3-unit course intended for college students who are taking a portion of their college general requirements. The

course will cover basic topics in geology (major minerals and rock types, rock-forming processes, time scales; temperatures, pressures, compositions, structure of the Earth, and measurement techniques; geologic structures and relationships observable in the field; sediment movement and landform development by moving water, wind, and ice; crustal processes and planetary evolution in terms of global plate tectonics) and astronomy (stars, solar system, interstellar medium, the galaxy, and the universe). The course will also cover various environmental issues such as global warming, climate change, geological hazards, pollution, and renewable energies

## **GEMANDATE** **3 units** **LIFE AND WORKS OF RIZAL**

As mandated by Republic Act 1425, this course covers the life and works of the country's national hero, Jose Rizal. Among the topics covered are Rizal's biography and writings, particularly the novels *Noli Me Tangere* and *El Filibusterismo*, some of his essays, and various correspondences.

## **RCIREED01** **2 units** **VALUES AND LEADERSHIP OF JESUS CHRIST**

Values and Leadership of Jesus Christ is designed to give student's adequate knowledge about Catholic Faith and Doctrine in the light of the Sacred Scripture, Sacred Tradition and Church Documents. It exposes students to the many misconception and corrections about Catholic Faith which led them to carry out the sound and authentic Catholic Faith in their day to day lives. The course is organized according



to the three (3) main elements of the moral experience: (a) agent, including context-cultural communal, and environmental; (b) the act; and (c) reason or framework (for the act).

The Course also tackles the Values and Leadership of Jesus Christ as portrayed from the Sacred Scriptures and Church social teachings. It identifies the different kinds of Christian Leadership a student of Riverside College must become.

## **RCIREED02** **2 units** **LESSON OF PROFESSIONALISM FROM THE BIBLE**

The Lesson of Professionalism from the Bible (Sacred Scriptures) is designed to give students the adequate knowledge about the fundamental biblical descriptions according to the Catholic Church teachings. It exposes students the right way in understanding the Bible as a means for them to share their experiences and lessons taken from the biblical chapters and verses discussed. The Course tackles the value of professionalism which can be associated to the different human characters discussed in the subject. This is organized according to the connectivity of the Sacred Scriptures to the Trinitarian perspectives of God the Father, God the Son and God the Holy Spirit

## **RCIPHYSICS** **3 units** **COLLEGE PHYSICS**

The course deals with the basic concepts of Physics, such as matter and energy and their interaction. Conceptual approach is used. Covers the ideas of torque, motion, forces, momentum and energy from within the framework of Newton's Laws. The principles and

applications of classical mechanics and thermodynamics, including harmonic motion, mechanical waves and sound, physical systems, Newton's Laws of Motion, and gravitation and other fundamental forces are studied with emphasis on problem solving.

## **GEDELEC01** **3 units** **GREATBOOKS**

The course aims to introduce students to the international dimension of the Western literary tradition. Throughout this history, readers & writers were familiar with works in a variety of languages, & the great books all arise within a multilingual context. The course will draw on literatures written in English. The course aims to build up a sense of this broad context, & to give students the opportunity to read some "great books" with the understanding that this brings.

## **GEDELEC04** **3 units** **PHILIPPINE POPULAR CULTURE**

This course locates popular culture as a historico-spatial condition and phenomenon of Philippine modernity. It provides the students with critical perspective in understanding and way of knowing popular culture in the Philippines. This course also provides multi-disciplinary attention on how art, music, and literature arising from opportunities and demands of mass audiences, markets and mass media and their social, economic, and political contexts.



## **GEDELEC05** **3 units** **PEOPLE AND THE EARTH'S ECOSYSTEM**

This course explores the ways in which human activity impacts the natural environment and how modification of environment can eventually have significant consequences to human activity. Topics include environmental challenges, such as air and water pollution, population growth and distribution, global atmospheric changes, ecosystems and evolution, agriculture and food resources and renewable and non-renewable energy resources.

## **GEDELEC06** **3 units** **LIVING IN THE IT ERA**

This course described the science, culture and ethics of Information Technology, in various uses and applications as well as its influence on culture and society. It is also designed to introduce the students to more advanced applications that can be used for research, communication, and electronic presentations.

## **GEDELEC07** **3 units** **GENDER AND SOCIETY**

Gender as a social construction, it's role in the society and impact on different facets of societal life. This course critically examines the ways gender informs the social world in which we live. It exposes the "common sense" world of gender around us, considers how we develop our gendered identities, explores the workings of the institutions that shape our gendered lives and leads to an understanding of the between gender and the social structure

## **GEDELEC08** **3 units** **THE ENTREPRENEURIAL MIND**

This course introduces the concept of an entrepreneurial mindset and encourages the development of mindset and its associated enterprising skills, such as solving problems creatively, communicate persuasively, work effectively in teams and understand individual and organizational impact.

## **RCICALL1** **1 unit** **NEW DYNAMIC ENGLISH**

RCI Computer Aided Language Learning (RCI CALL) is designed to equip students the needed skills in English communication such as reading, listening, speaking and writing with the use of courseware and other references. RCI CALL embraces a wide range of information and communications technology applications and approaches to teaching and learning the universal language. The 21st century learners' interest in technology will be aided by the said program into an interactive and fun learning experience. Thus, the RCI CALL programs can be used by teachers as technology partners in running their classrooms and solve problems like capturing students' attention and maintaining their interests. The nature of RCI CALL ensures that learning is a two-way street — dynamic and rigid.

RCICALL01 (NEW DYNAMIC ENGLISH) focuses on writing skills and uses well-designed scope and sequence. It promotes long term learning and keeps learners engaged with language. Since it focuses on the writing skill, it introduces students to the norms of academic writing



## **RCICALL2 ENGLISH FOR SUCCESS**

**1 unit**

RCI Computer Aided Language Learning (RCI CALL) is designed to equip students the needed skills in English communication such as reading, listening, speaking and writing with the use of courseware and other references. RCI CALL embraces a wide range of information and communications technology applications and approaches to teaching and learning the universal language. The 21st century learners' interest in technology will be aided by the said program into an interactive and fun learning experience. Thus, the RCI CALL programs can be used by teachers as technology partners in running their classrooms and solve problems like capturing students' attention and maintaining their interests. The nature of RCI CALL ensures that learning is a two-way street — dynamic and rigid.

RCI CALL 2 (ENGLISH FOR SUCCESS) Improves students reading comprehension and develops their English vocabulary. Also, It helps them master the foundational reading skills and most importantly, it enhances their English language skills.

## **RCICALL3 CLEAR SPEECH WORKS**

**1 unit**

RCI Computer Aided Language Learning (RCI CALL) is designed to equip students the needed skills in English communication such as reading, listening, speaking and writing with the use of courseware and other references. RCI CALL embraces a wide range of information and communications technology applications and approaches

to teaching and learning the universal language. The 21st century learners' interest in technology will be aided by the said program into an interactive and fun learning experience. Thus, the RCI CALL programs can be used by teachers as technology partners in running their classrooms and solve problems like capturing students' attention and maintaining their interests. The nature of RCI CALL ensures that learning is a two-way street — dynamic and rigid.

RCICALL03 (CLEAR SPEECH WORKS) focuses on Speaking skills, emphasizes the use of English language in expressing oneself orally and Improves students' oral communication and comprehension skills.

## **RCICALL4 ADVANCE LISTENING**

**1 unit**

RCI Computer Aided Language Learning (RCI CALL) is designed to equip students the needed skills in English communication such as reading, listening, speaking and writing with the use of courseware and other references. RCI CALL embraces a wide range of information and communications technology applications and approaches to teaching and learning the universal language. The 21<sup>st</sup> century learners' interest in technology will be aided by the said program into an interactive and fun learning experience. Thus, the RCI CALL programs can be used by teachers as technology partners in running their classrooms and solve problems like capturing students' attention and maintaining their interests. The nature of RCI CALL ensures that learning is a two-way street- dynamic and rigid.



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RCICALL04 (Advanced Listening) is a useful and interesting tool because it develops the listening strategies, vocabulary and critical thinking skills of

students. It also enhances their high-level listening and note taking skills. It emphasizes on English sounds, stress, and intonation pattern.