



SENIOR HIGH SCHOOL ACADEMIC PROGRAM

**Creating life-long
learners**



UST ANGELICUM COLLEGE
SENIOR HIGH SCHOOL DEPARTMENT

GOALS AND IMPORTANCE OF SENIOR HIGH SCHOOL

Senior High School (SHS) is the last two years of the K to 12 Basic Education Program. In SHS, students are required to go through a core curriculum and subjects under a track of their choice.

The SHS Curriculum, as part of the K to 12 Program, aims to produce graduates who have the following characteristics:

- Holistically developed;
- Equipped with 21st-century skills (i.e., learning and innovation skills, life and career skills, communication skills, and information media and technology skills); and
- Prepared for the future, be it in pursuit of higher education or acquisition of middle-level skills, or geared towards employment or entrepreneurship

A photograph of four senior high school students (three girls and one boy) standing in front of a modern school building. They are all wearing dark blue school uniforms with white shirts and yellow ties. The building behind them is a multi-story structure with a light-colored brick facade and many windows. The students are smiling and looking towards the camera.

Understanding
SENIOR HIGH
SCHOOL

VISION

The Senior High School Department envisions itself to create a quality learning environment that embraces innovative technology and excellent instructional rigor in order to develop capable, compassionate and confident life-long learners of an ever-evolving global community.

MISSION

The Senior High School Department is committed to foster the learners' desire to become life-long learners. By integrating relevant social issues, innovative technology, and high academic achievement in the curriculum, we empower our learners to succeed in our diverse society.

OBJECTIVES

The Senior High School department adheres, affirms, and practices the Vision, Mission, and Goals of UST Angelicum College, and of the department. The SHS department aims that learners:

1. realize their aptitude in line with health, engineering, entrepreneurship, business, communication, or in any other chosen field/ profession aligned with their strand;
2. recognize their social significance by substantially contributing to the community through their research, advocacy, and leadership;
3. apply strong leadership in their chosen field as expressed in their research and other scientific studies, innovations, and other improvements in their specialized area; and
4. develop a strong sense of spirituality by actively practicing the Dominican values as expressed in their service for humanity.



ACADEMIC TRACK

The Academic Track of the Senior High School Program is divided into degree-specific courses. The academic track in senior high school aims to prepare students for more advanced university courses.

In UST Angelicum Senior High School Program, under this umbrella are four strands:

- Science, Technology, Engineering, and Mathematics (STEM)
- General Academics - Health Allied (GA-HA)
- Humanities and Social Science (HUMSS)
- Accountancy, Business, and Management (ABM)

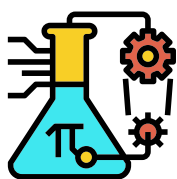
ACADEMIC TRACK

SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM)

Science, Technology, Engineering, and Mathematics are intertwining disciplines when applied in the real world.

The STEM Strand prepares the students for science-related courses in college by deepening their grasp of concepts in Math and Science through lessons in Biology, Chemistry, Physics and Calculus.





STEM STRAND - SHS 1

1ST SEMESTER

CORE SUBJECTS

- Oral Communication in Context
- Contemporary Philippine Arts from the Regions
- Komunikasyon at Pananaliksik sa Wika at Kulturang Filipino
- General Mathematics
- Earth Science
- Understanding Culture, Society, and Politics
- Physical Education 1 - Fitness
- Religious Education 1 - Special Topics in Religion

SPECIALIZED SUBJECTS

- Pre-Calculus
- General Chemistry 1

2ND SEMESTER

CORE SUBJECTS

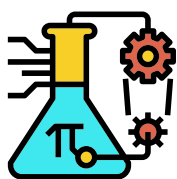
- Reading and Writing Skills
- Pagbasa at Pagsusuri ng Iba't-ibang Teksto tungo sa Pananaliksik
- Statistics and Probability
- Disaster Readiness and Risk Reduction
- Personal Development
- Physical Education 2 - Sports
- Religious Education 2 - Catholic Social Teachings

APPLIED SUBJECTS

- Practical Research 1

SPECIALIZED SUBJECTS

- Basic Calculus
- General Chemistry 2



STEM STRAND - SHS 2

1ST SEMESTER

CORE SUBJECTS

- 21st Century Literature from the Philippines and the World
- Introduction to Philosophy of the Human Person
- Physical Education 3 - Dance

APPLIED SUBJECTS

- English for Academics and Professional Practices
- Pagsulat sa Filipino sa Piling Larangan
- Empowerment Technologies
- Practical Research 2

SPECIALIZED SUBJECTS

- General Biology 1
- General Physics 1

2ND SEMESTER

CORE SUBJECTS

- Media and Information Literacy
- Physical Education 4 - Recreation

APPLIED SUBJECTS

- Entrepreneurship
- Research Project Culminating Activity

SPECIALIZED SUBJECTS

- Work Immersion
- General Biology 2
- General Physics 2

ACADEMIC TRACK

GENERAL ACADEMIC STRAND - HEALTH ALLIED (GAS - HA)

General Academic - Health Allied strand (GAS-HA) focuses on Academic-STEM Track blended with Health-related courses.

The curriculum is designed to prepare students in the field of health sciences like Nursing, Biochemistry, Biotechnology, Pharmacy, Medical Laboratory Science, Radiologic Technology, Nuclear Medicine Technology, Physiotherapy, Occupational Therapy, and Speech and Language Pathology-all leading to Doctor of Medicine.





HEALTH ALLIED



GAS - HA STRAND - SHS 1

1ST SEMESTER

CORE SUBJECTS

- Oral Communication in Context
- Contemporary Philippine Arts from the Regions
- Komunikasyon at Pananaliksik sa Wika at Kulturang Filipino
- General Mathematics
- Earth Science
- Understanding Culture, Society, and Politics
- Physical Education 1 - Fitness
- Religious Education 1 - Special Topics in Religion

SPECIALIZED SUBJECTS

- General Biology 1
- General Chemistry 1

2ND SEMESTER

CORE SUBJECTS

- Reading and Writing Skills
- Pagbasa at Pagsusuri ng Iba't-ibang Teksto tungo sa Pananaliksik
- Statistics and Probability
- Disaster Readiness and Risk Reduction
- Personal Development
- Physical Education 2 - Sports
- Religious Education 2 - Catholic Social Teachings

APPLIED SUBJECTS

- Practical Research 1

SPECIALIZED SUBJECTS

- General Biology 2
- General Chemistry 2



HEALTH ALLIED



GAS - HA STRAND - SHS 2

2ND SEMESTER

1ST SEMESTER

CORE SUBJECTS

- Media and Information Literacy
- Physical Education 4 - Recreation

CORE SUBJECTS

- 21st Century Literature from the Philippines and the World
- Introduction to Philosophy of the Human Person
- Physical Education 3 - Dance

APPLIED SUBJECTS

- Entrepreneurship
- Research Project Culminating Activity

APPLIED SUBJECTS

- English for Academics and Professional Practices
- Pagsulat sa Filipino sa Piling Larangan
- Empowerment Technologies
- Practical Research 2

SPECIALIZED SUBJECTS

- Healthcare Immersion
- Basic Microbiology
- General Physics 2

SPECIALIZED SUBJECTS

- Anatomy and Physiology
- General Physics 1

ACADEMIC TRACK

ACCOUNTANCY, BUSINESS, AND MANAGEMENT (ABM)

Accountancy, Business, and Management (ABM) strand is designed as an introductory course in Accounting, Business, and Management. Students are trained to think logically and scientifically and are acquainted with the rudiments of accounting, business, and management concepts and principles.

This strand will prepare them to pursue college degrees that focus on business and industry where their contribution as future accountants, entrepreneurs, and business leaders are vital to the progress and development of the economy, and critical to the promotion of a sustainable green business.





ABM STRAND - SHS 1

1ST SEMESTER

CORE SUBJECTS

- Oral Communication in Context
- Contemporary Philippine Arts from the Regions
- Komunikasyon at Pananaliksik sa Wika at Kulturang Filipino
- General Mathematics
- Earth and Life Science
- Understanding Culture, Society, and Politics
- Physical Education 1 - Fitness
- Religious Education 1 - Special Topics in Religion

SPECIALIZED SUBJECTS

- Fundamentals of Accountancy, Business and Management 1
- Business Mathematics

2ND SEMESTER

CORE SUBJECTS

- Reading and Writing Skills
- Pagbasa at Pagsusuri ng Iba't-ibang Teksto tungo sa Pananaliksik
- Statistics and Probability
- Physical Science
- Personal Development
- Physical Education 2 - Sports
- Religious Education 2 - Catholic Social Teachings

APPLIED SUBJECTS

- Practical Research 1

SPECIALIZED SUBJECTS

- Fundamentals of Accountancy, Business and Management 2
- Applied Economics



ABM STRAND - SHS 2

1ST SEMESTER

CORE SUBJECTS

- 21st Century Literature from the Philippines and the World
- Introduction to Philosophy of the Human Person
- Physical Education 3 - Dance

APPLIED SUBJECTS

- English for Academics and Professional Practices
- Pagsulat sa Filipino sa Piling Larangan
- Empowerment Technologies
- Practical Research 2

SPECIALIZED SUBJECTS

- Business Ethics and Social Responsibility
- Principles of Marketing

2ND SEMESTER

CORE SUBJECTS

- Media and Information Literacy
- Physical Education 4 - Recreation

APPLIED SUBJECTS

- Entrepreneurship
- Research Project Culminating Activity

SPECIALIZED SUBJECTS

- Work Immersion
- Business Finance
- Organization and Management

ACADEMIC TRACK

HUMANITIES AND SOCIAL SCIENCE (HUMSS)

Humanities and Social Science (HUMSS) strand covers a wide range of disciplines that explore into the human conditions that use empirical, analytical, and critical methods of studying human behavior and societal changes.

Students pursuing college degrees on this strand will have a deeper understanding of arts, culture, literature, politics, and society and how the complex interplay of these facets helps them appreciate individual behavior and social group and the pressing issues corresponding them.





HUMSS STRAND - SHS 1

1ST SEMESTER

CORE SUBJECTS

- Oral Communication in Context
- Contemporary Philippine Arts from the Regions
- Komunikasyon at Pananaliksik sa Wika at Kulturang Filipino
- General Mathematics
- Earth and Life Science
- Understanding Culture, Society, and Politics
- 21st Century Literature from the Philippines and the World
- Physical Education 1 - Fitness
- Religious Education 1 - Special Topics in Religion

SPECIALIZED SUBJECTS

- Disciplines and Ideas in the Social Sciences

2ND SEMESTER

CORE SUBJECTS

- Reading and Writing Skills
- Pagbasa at Pagsusuri ng Iba't-ibang Teksto tungo sa Pananaliksik
- Statistics and Probability
- Physical Science
- Personal Development
- Physical Education 2 - Sports
- Religious Education 2 - Catholic Social Teachings

APPLIED SUBJECTS

- Practical Research 1

SPECIALIZED SUBJECTS

- Trends, Networks, and Critical Thinking in the 21st Century
- Disciplines and Ideas in the Applied Social Science



HUMSS STRAND - SHS 2

2ND SEMESTER

1ST SEMESTER

CORE SUBJECTS

- Media and Information Literacy
- Physical Education 4 - Recreation

CORE SUBJECTS

- Introduction to Philosophy of the Human Person
- Physical Education 3 - Dance

APPLIED SUBJECTS

- Entrepreneurship
- Research Project Culminating Activity

APPLIED SUBJECTS

- English for Academics and Professional Practices
- Pagsulat sa Filipino sa Piling Larangan
- Empowerment Technologies
- Practical Research 2

SPECIALIZED SUBJECTS

- Work Immersion
- Philippine Politics and Governance
- World Religion and Belief System

SPECIALIZED SUBJECTS

- Creative Writing
- Community Involvement and Social Issues
- Creative Non-fiction: The Literary Essay



LIFE SKILLS TRACK(LST)

The Life Skills Track of the Senior High School Program is equivalent to the Technical Vocational Track of the K to 12 Program.

The student, upon completion of SHS, is compliant with the TESDA rules that enable them to get National Certification (NC II), provided that he/she passed the competency-based assessment of the Technical Education and Skills Development Authority (TESDA), and continue it in Higher Education to pursue accomplishing NC III, NC IV, TM, or NTTC. Thus, being an NC II holder increases the employability of the graduate and readiness for higher certification levels.

In UST Angelicum Senior High School Program, the following strands are offered:

- Home Economics (HE Strand)
- Information and Communications Technology (ICT) Strand
 - a. Animation
 - b. Programming

LIFE SKILLS TRACK

HOME ECONOMICS (HE)

The growth of the food, tourism and hospitality industries demands qualified staff to cater to the clientele's needs. Aside from the core subjects required, students who enroll on this strand have specialized subjects that meet the standard hour requirement and the competency-based assessment of TESDA to increase the graduate's employability. Being responsive to the ever-expanding market, the following specializations are offered:

1. Food and Beverage Services
2. Bread and Pastry





LS - HE STRAND - SHS 1

1ST SEMESTER

CORE SUBJECTS

- Oral Communication in Context
- Contemporary Philippine Arts from the Regions
- Komunikasyon at Pananaliksik sa Wika at Kulturang Filipino
- General Mathematics
- Earth and Life Science
- Understanding Culture, Society, and Politics
- Physical Education 1 - Fitness
- Religious Education 1 - Special Topics in Religion

SPECIALIZED SUBJECTS

- Food and Beverage Services 1

2ND SEMESTER

CORE SUBJECTS

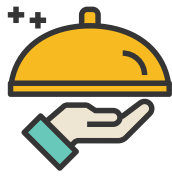
- Reading and Writing Skills
- Pagbasa at Pagsusuri ng Iba't-ibang Teksto tungo sa Pananaliksik
- Statistics and Probability
- Physical Science
- Personal Development
- Media and Information Literacy
- Physical Education 2 - Sports
- Religious Education 2 - Catholic Social Teachings

APPLIED SUBJECTS

- Practical Research 1

SPECIALIZED SUBJECTS

- Food and Beverage Services 2



TECHNICAL
VOCATIONAL AND
LIVELIHOOD TRACK
HOME ECONOMICS

SPECIALIZATION IN
BREAD AND PASTRY AND
FOOD AND BEVERAGE

LS -HE STRAND - SHS 2

1ST SEMESTER

CORE SUBJECTS

- 21st Century Literature from the Philippines and the World
- Introduction to the Philosophy of the Human Person
- Physical Education 3 - Dance

APPLIED SUBJECTS

- English for Academics and Professional Practices
- Pagsulat sa Filipino sa Piling Larangan
- Empowerment Technologies
- Practical Research 2
- Culminating Activity

SPECIALIZED SUBJECTS

- Bread and Pastry Production 1

2ND SEMESTER

CORE SUBJECTS

- Physical Education 4 - Recreation

SPECIALIZED SUBJECTS

- Bread and Pastry Production 2
- Apprenticeship

APPLIED SUBJECTS

- Research Project Culminating Activity

LIFE SKILLS TRACK

INFORMATION AND COMMUNICATIONS TECHNOLOGY (ICT)

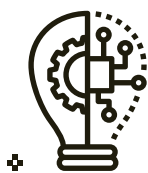
Information and Communications Technology (ICT) revolutionizes how the different industries and institutions operate. As communication and technological progress reshape many facets of society, Information Technology becomes the driving force behind economic growth.

With the strong external linkages and varied industry partners, graduates have high chances of employment, of business creation in the area of technopreneurship, or continue their specialization in Higher Education.

Being responsive to the ever-expanding market, the following specializations are offered:

1. Animation
2. Programming





LS -ICT STRAND - SHS 1

1ST SEMESTER

CORE SUBJECTS

- Oral Communication in Context
- Contemporary Philippine Arts from the Regions
- Komunikasyon at Pananaliksik sa Wika at Kulturang Filipino
- General Mathematics
- Earth and Life Science
- Understanding Culture, Society, and Politics
- Physical Education 1 - Fitness
- Religious Education 1 - Special Topics in Religion

APPLIED SUBJECTS

- Entrepreneurship

SPECIALIZED SUBJECTS

- Computer Programming 1 or Animation 1

2ND SEMESTER

CORE SUBJECTS

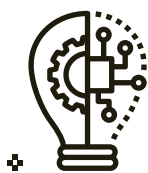
- Reading and Writing Skills
- Pagbasa at Pagsusuri ng Iba't-ibang Teksto tungo sa Pananaliksik
- Statistics and Probability
- Physical Science
- Personal Development
- Media and Information Literacy
- Physical Education 2 - Sports
- Religious Education 2 - Catholic Social Teachings

APPLIED SUBJECTS

- Practical Research 1

SPECIALIZED SUBJECTS

- Computer Programming 2 or Animation 2



LS -ICT STRAND - SHS 2

1ST SEMESTER

CORE SUBJECTS

- 21st Century Literature from the Philippines and the World
- Introduction to the Philosophy of the Human Person
- Physical Education 3 - Dance

APPLIED SUBJECTS

- English for Academics and Professional Practices
- Pagsulat sa Filipino sa Piling Larangan
- Empowerment Technologies
- Practical Research 2
- Culminating Activity

SPECIALIZED SUBJECTS

- Computer Programming 3 or Animation 3

2ND SEMESTER

CORE SUBJECTS

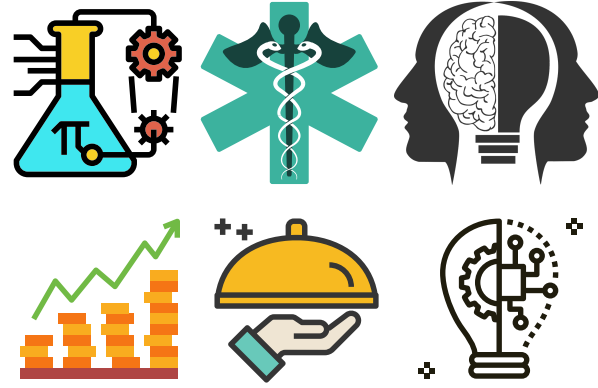
- Physical Education 4 - Recreation

SPECIALIZED SUBJECTS

- Computer Programming 4 or Animation 4
- Apprenticeship

APPLIED SUBJECTS

- Research Project Culminating Activity



SUBJECT DESCRIPTION

SHS 1

ORAL COMMUNICATION IN CONTEXT

This course is designed to focus on the development of listening and speaking skills and strategies for effective communication in various situations.

- Nature and elements of oral communication in context
- Functions of oral communication
- Communicative Competence Strategies In Various Speech Situations
- Types of Speeches

READING AND WRITING SKILLS

This course focuses on the development of reading and writing skills as applied to a wide range of materials other than poetry, fiction, and drama. The course discusses reading and Thinking Strategies across text types.

KOMUNIKASYON AT PANANALIKSIK SA WIKA AT KULTURANG PILIPINO

Pag-aaral tungo sa pananaliksik ukol sa kalikasan, katangian, pag-unlad, gamit at paggamit ng Wikang Filipino sa mga sitwasyong komunikatibo at kultural sa lipunang Pilipino.

- Mga Konseptong Wika
- Gamit ng Wika sa Lipunan
- Kasaysayan ng Wikang Pambansa

PAGBASA AT PAGSUSURI NG IBA'T- IBANG TEKSTO TUNGO SA PANANALIKSIK

Pag-aaral tungo sa pananaliksik ukol sa kalikasan, katangian, pag-unlad, gamit at paggamit ng Wikang Filipino sa mga sitwasyong komunikatibo at kultural sa lipunang Pilipino. Sa pamamagitan nito, nasusuri ng mga mag-aaral ang iba't ibang uri ng binasang teksto ayon sa kaugnayan nito sa sarili, pamilya, komunidad, bansa at daigdig.

CONTEMPORARY PHILIPPINE ARTS FROM THE REGIONS

The subject covers various contemporary arts practices of the region where the school is located. It aims to provide students with an appreciation of a broad range of styles in the various disciplines with consideration on their elements and principles, and engage them to an integrative approach in studying arts. Through this subject, students will broaden and acquire the necessary creative tools that open opportunities in pursuing their individual career goals and aspirations.

GENERAL MATHEMATICS

This course is designed to cover topics in functions and their graphs, basic business mathematics, and logic.

- Functions and Graphs
- Basic Business Mathematics
- Logic

EARTH SCIENCE

This learning area is designed to provide a general background for the understanding of the Earth on a planetary scale. It presents the history of the Earth through geologic time. It discusses the Earth's structure and composition, the processes that occur beneath and on the Earth's surface, as well as issues, concerns, and problems pertaining to Earth's resources

PHYSICAL SCIENCE

This course is design to focus on the evolution of our understanding of matter, motion, electricity, magnetism, light, and the universe from ancient times to the present; applications of physics and chemistry concepts in contexts such as atmospheric phenomena, cosmology, astronomy, vision, medical instrumentation, space technology, drugs, sources of energy, pollution and recycling, fitness and health, and cosmetics.

UNDERSTANDING CULTURE, SOCIETY, AND POLITICS

This course uses insights from Anthropology, Political Science, and Sociology, to develop student's awareness of cultural, social and political dynamics, and sensitivity to cultural diversity, provide them with an understanding of how culture, human agency, society and politics work; and engage them in the examination of the country's current human development goals. At the end of the course, students should acquire ideas about human cultures, human agency, society and politics; recognize cultural relativism and social inclusiveness to overcome prejudices; and develop social and cultural competence to guide their interactions with groups, communities, networks, and institutions.

STATISTICS AND PROBABILITY

At the end of the course, the students must know how to find the mean and variance of a random variable, to apply sampling techniques and distributions, to estimate population mean and proportion, to perform hypothesis testing on the population mean and proportion, and to perform correlation and regression analyses on real-life problems.

DISASTER READINESS AND RISK REDUCTION

This course focuses on the application of scientific knowledge and the solution of practical problems in a physical environment. It is designed to bridge the gap between theoretical science and daily living. The learners are taught of the basic concepts of disaster and disaster risk, and the concept of Disaster Risk Reduction (DRR) and Disaster Risk Reduction and Management (DRRM).

PERSONAL DEVELOPMENT

This course makes senior high school students aware of the developmental stage that they are in, for them to better understand themselves and the significant people around them as they make important career decisions as adolescents. Personal Development (PERDEV) addresses self-awareness, different aspects of the self, and awareness of the nature of the developmental stage of adolescence and the challenges that individuals face as they go through this stage. Using the experiential learning approach, each module invites students to explore specific themes in their development. Personal reflections, sharing, and lectures help reveal and articulate relevant concepts, theories, and tools in different areas in Psychology.

PHYSICAL EDUCATION 1 - FITNESS

This course offers experiential learning for learners to adopt an active life for fitness and lifelong health. The knowledge, skills and understanding which include physical and health literacy competencies support them in accessing, synthesizing and evaluating information; making informed decisions; enhancing and advocating their own as well as others' fitness and health. This course on exercise for fitness enables the learner to set goals , monitor one's participation in aerobic and muscle- and bone-strengthening activities and constantly evaluate how well one has integrated this into one's personal lifestyle.

PHYSICAL EDUCATION 2 - SPORTS

This course offers experiential learning for learners to adopt an active life for fitness and lifelong health. The knowledge, skills and understanding which include physical and health literacy competencies support them in accessing, synthesizing and evaluating information; making informed decisions; enhancing and advocating their own as well as others' fitness and health.

This course is comprised of individual, dual and team sports in competitive and recreational settings

RELIGIOUS EDUCATION 1 (RELED1)

The course Religious Education 1 helps the learners realize and appreciate that there is so much to thank God for in life. They will understand the significance of “Truth in Love” which is rooted in the Trinitarian Spirituality and the importance of life witnessing to the Divine Word of Jesus Christ empowered by the Holy Spirit. The learners assimilate the main lesson using the biblical source and Church teachings in creative and varied genres. It also provides assessment tools to measure how much learners understood the lesson in the light of the three dimension of faith; I know, I Do, I Pray. Learners will also learn and appreciate the life and teachings of St. Dominic de Guzman, imitating his good examples, thus, enable them to respond to the needs of the society through the revered virtues of Veritas, Caritas, Justitia and Fortitudo.

RELIGIOUS EDUCATION 2 (RELED2)

The course Religious Education 2 helps the learners deepen their understanding about Jesus’ teaching on living a life of dialogue with the poor. Issues about justice and peace, poor in spirit, oppression, corruption, and healing broken relationship will be discussed in the light of Jesus’ teachings. The learners will also be challenged to take an active part in responding to the call of the time in relation to poverty, justice and peace and most especially in bringing back God’s people to God’s kingdom. To realize this goal varied strategies will be utilized like sharing of opinions, experiences, and observations, discussion of Biblical stories, Church teachings, and life of faith models, self-assessment, sharing of insight, composing prayer, writing reflections, singing, sending letters to community leaders regarding an issue of concern, prayer service, and of faith sharing.

ENTREPRENEURSHIP (TVL)

This course deals with the concepts, underlying principles, processes and implementation of a business plan. The preliminaries of this course include the following: discussion on the relevance of the course; explanation of key concepts of common and core competencies relative to the course; and exploration of career opportunities.

PRACTICAL RESEARCH 1 (ALL STRANDS)

This course develops critical thinking and problem-solving skills through qualitative research. It delves into the nature of inquiry and research, the process of research, and the application of qualitative researches to daily life.



PRE-CALCULUS

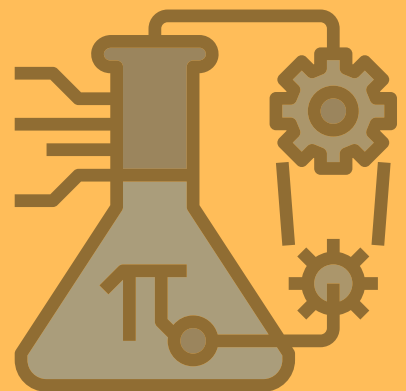
This course is designed to cover topics in Analytic Geometry, series and mathematical induction, and trigonometry. It focuses on the application of concepts and solve problems involving conic sections, systems of nonlinear equations, series and mathematical induction, circular and trigonometric functions, trigonometric identities, and polar coordinate system

GENERAL CHEMISTRY 1 & 2

This course is designed to focus on the composition, structure, and properties of matter; quantitative principles, kinetics, and energetics of transformations of matter; and fundamental concepts of Organic Chemistry.

BASIC CALCULUS

This course is designed to cover topics of differential and integral calculus. At the end of the course, the students must know how to determine the limit of a function, differentiate, and integrate algebraic, exponential, logarithmic, and trigonometric functions in one variable, and to formulate and solve problems involving continuity, extreme values, related rates, population models, and areas of plane regions.



GENERAL BIOLOGY 1 & 2

This subject is designed to enhance the understanding of the principles and concepts in the study of Biology, particularly heredity and variation, and the diversity of living organisms, their structure, function, and evolution.

GENERAL BIOLOGY 1:

This course will be an introduction to the study of cells, cellular organelles, and an array of processes that take place within the smallest unit of life, the cell.

GENERAL BIOLOGY 2:

This course provides a concentrated introduction to organisms, genetics, and systematics based on evolutionary relationships. It emphasizes fundamental principles, concepts, facts, and questions.

GENERAL CHEMISTRY 1 & 2

This course is designed to focus on the composition, structure, and properties of matter; quantitative principles, kinetics, and energetics of transformations of matter; and fundamental concepts of organic chemistry.

GENERAL CHEMISTRY 1:

This course will be an introduction to the study of matter, atoms, molecules and ions. It explores on the concept of Stoichiometry, and the mathematical relationship between volume, pressure, and temperature in gases.

GENERAL CHEMISTRY 2:

This course continues the study of the fundamental principles and laws of chemistry. Topics include kinetics, equilibrium, ionic and redox equations, acid-base theory, electrochemistry, thermodynamics, introduction to nuclear and organic chemistry, and complex ions.



FUNDAMENTALS OF ACCOUNTANCY, BUSINESS, AND MANAGEMENT 1

This is an introductory course in accounting, business, and management data analysis that will develop students' appreciation of accounting as a language of business and an understanding of basic accounting concepts and principles that will help them analyze business transactions.

FUNDAMENTALS OF ACCOUNTANCY, BUSINESS, AND MANAGEMENT 1

The course deals with the preparation and analysis of financial statements of a service business and merchandising business using horizontal and vertical analyses and financial ratios. Knowledge and skills in the analysis of financial statements will aid the future entrepreneurs in making sound economic decisions.

BUSINESS MATHEMATICS

This course will provide an understanding of the basic concepts of mathematics as applied in business. It includes a review of the fundamental mathematics operations using decimals, fractions, percent, ratio and proportion; mathematics concepts and skills in buying and selling, computing gross and net earnings, overtime and business data presentation, analysis and interpretation. The use of computer and software applications for computation and data presentation is encouraged.

APPLIED ECONOMICS

This course deals with the basic principles of applied economics, and its application to the contemporary economic issues facing the Filipino entrepreneur such as prices of commodities, minimum wage, rent, and taxes. It covers an analysis of industries for identification of potential business opportunities.



DISCIPLINES AND IDEAS IN SOCIAL SCIENCES

The course introduces students to basic concepts and subjects and methods of inquiry in the disciplines that form the Social Sciences. It then discusses influential thinkers and ideas in these disciplines. It relates these ideas to the Philippine setting and current global trends.

TRENDS, NETWORKS, AND CRITICAL THINKING IN THE 21ST CENTURY

The course provides opportunities for students to discover patterns and extract meanings from emerging trends. It aids in developing their critical and creative thinking skills-- essential tools for decision making and understanding "ethics of care". Global trends in the 21st century are examined and are either accepted or rejected on a sound set of criteria. Students will be asked to create and analyze scenarios that will challenge them to (1) formulate their stances on issues or concerns; (2) propose interventions and; (3) formulate alternative futures. The students will realize the interconnections between their neural connections and social realities.

DISCIPLINE AND IDEAS IN THE APPLIED SOCIAL SCIENCE

This course introduces some Applied Social Sciences, namely, Counseling, Social Work, and Communication, which draw their foundation from the theories and principles of Psychology, Sociology, Anthropology, and other Social Sciences. The course highlights the seamless interconnectivity of the different applied social science disciplines while focusing on the processes and applications of these applied disciplines in critical development areas.



FOOD AND BEVERAGE SERVICES 1

This course is designed for high school students to develop knowledge, skills, and attitude to perform the tasks required. It covers the core competencies of (1) prepare dining room/restaurant area for service; (2) welcome guests and take food and beverage orders; and (3) promote food and beverage products. The preliminaries of this specialization course include the following: (1) core concepts in food and beverage services, (2) the relevance of the course, and (3) exploration of career opportunities as a Food Attendant or Chef de rang.

FOOD AND BEVERAGE SERVICES 2

This course is designed for high school students to develop knowledge, skills, and attitude to perform the tasks required. It covers the core competencies of (1) provide food and beverage services to guest; (2) provide room service; and (3) receive and handle guest concerns (customer relations) The preliminaries of this specialization course include the following: (1) core concepts in food and beverage services, (2) the relevance of the course, and (3) exploration of career opportunities as a Food Attendant or Chef de rang.



COMPUTER PROGRAMMING 1

The course covers the basic syntax and semantics, variables, types, expressions, assignment, I/O, conditional and iterative control structures, functions and parameters, program development, and analysis and debugging of programs using high level languages like Java or C++. The emphasis is to train students to design, implement, test, and debug programs intended to solve computing problems using fundamental programming constructs.

COMPUTER PROGRAMMING 2

This is a specialization course that leads to a Programming (Java) National Certificate Level III (NC III).

It focuses on the core competencies for learners to: 1) perform object-oriented analysis and design in Java technology, and 2) create and fine tune Java technology applications using object-oriented programming concepts.



ANIMATION 1

This specialization course which leads to an Animation National Certificate Level (NC II) covers Personal Entrepreneurial Competencies (PECs); Environment and Market (EM); and one (1) Core Competency that a high school student out to possess to produce clean-up and in-between drawings.

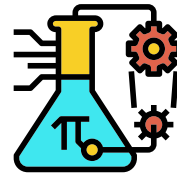
It covers the foundations and principles in drawing animation, basic maintenance and safety procedures of tools, equipment, and other paraphernalia in animation production; demonstrate correct specifications as well as accurate mensuration and calculations, and apply the fundamentals of drawing light and shadow, 3D objects, and perspective.

ANIMATION 2

This specialization course which leads to an Animation National Certificate Level (NC II) covers Personal Entrepreneurial Competencies (PECs); Environment and Market (EM); and one (1) Core Competency that a high school student out to possess to produce clean-up and in-between drawings.

It covers fundamentals of drawing of light and shadow; drawing 3D objects; perspective; human anatomy and gestures, introduction to 2D effects animation, animated film production process, storyboard and layout and composition, cinematography, and basic camera shots and angles.





SUBJECT DESCRIPTION

SHS 2

21st CENTURY LITERATURE FROM THE PHILIPPINES AND THE WORLD

This course aims to engage students in appreciation and critical study of 21st Century Literature from the Philippines and the World encompassing their various dimensions, genres, elements, structures, contexts, and traditions

INTRODUCTION TO PHILOSOPHY OF THE HUMAN PERSON

An initiation to the activity and process of philosophical reflection as a search for a synoptic vision of life. Topics to be discussed include the human experiences of embodiment, being in the world with others and the environment, freedom, inter subjectivity, sociality and being unto death.

MEDIA AND INFORMATION LITERACY

The course introduces the learners to basic understanding of media and information as channels of communication and tools for the development of individuals and societies. It also aims to develop students to be creative and critical thinkers as well as responsible users and competent producers of media and information.



PHYSICAL EDUCATION 3 - DANCE

This course offers experiential learning for learners to adopt an active life for fitness and lifelong health. The knowledge, skills and understanding which include physical and health literacy competencies support them in accessing, synthesizing and evaluating information; making informed decisions; enhancing and advocating their own as well as others' fitness and health.

This course on dance includes rhythmical movement patterns; the promotion and appreciation of Philippine folk dance, indigenous and traditional dances as well as other dance forms.

PHYSICAL EDUCATION 4 - RECREATION

This course on recreational activities are associated with outdoor, natural or semi-natural settings; it enables learners to move safely and competently in these settings while making a positive relationship with natural environments and promoting their sustainable use.

ENGLISH FOR ACADEMICS AND PROFESSIONAL PRACTICES (ALL ACADEMIC STRANDS)

This subject introduces the students to the world of academic writing - its definitions, its distinction from other fields of writing, its standards, and its requirements. The subject leads the students to the various kinds of academic papers that are fundamental to academic and professional writing. The students develop language skills in a series of tasks that culminate in four written requirements: the reaction paper, the concept paper, the position paper, and the report paper.

PAGSULAT SA FILIPINO SA PILING LARANGAN (ALL ACADEMIC STRANDS)

Pagsulat sa iba't ibang anyo ng sulating lilinang sa mga kaakayahang magpahayag tungo sa mabisa, mapanuri, at masinop na pagsulat sa piniling larangan.



PRACTICAL RESEARCH 2 with CULMINATING ACTIVITY (ALL STRANDS)

This course aims to provide students with knowledge regarding the key concepts and different strategies and methods in performing quantitative research. It also explains the stages that students should go through to successfully conduct quantitative studies. The course encourages students to create quality research works that can address issues in their respective communities. The students present their research work through a colloquium.

EMPOWERMENT TECHNOLOGIES (ALL ACADEMIC STRANDS)

This course is designed to demonstrate understanding of information and communication technologies as a tool for curating, contextualizing, collaborating, and creating content and experiences for learning in the professional tracks.

ENTREPRENEURSHIP (ALL ACADEMIC STRANDS)

This course deals with the concepts, underlying principles, processes, and implementation of a business plan. The preliminaries of this course include the following: discussion on the relevance of the course; explanation of key concepts of common competencies and core competencies relative to the course; and exploration of career opportunities.



GENERAL BIOLOGY 1 & 2

This subject is designed to enhance the understanding of the principles and concepts in the study of Biology, particularly heredity and variation, and the diversity of living organisms, their structure, function, and evolution.

GENERAL BIOLOGY 1:

This course will be an introduction to the study of cells, cellular organelles, and an array of processes that take place within the smallest unit of life, the cell.

GENERAL BIOLOGY 2:

This course provides a concentrated introduction to organisms, genetics, and systematics based on evolutionary relationships. It emphasizes fundamental principles, concepts, facts, and questions.

GENERAL CHEMISTRY 1 & 2

This course is designed to focus on the composition, structure, and properties of matter; quantitative principles, kinetics, and energetics of transformations of matter; and fundamental concepts of organic chemistry.

GENERAL CHEMISTRY 1:

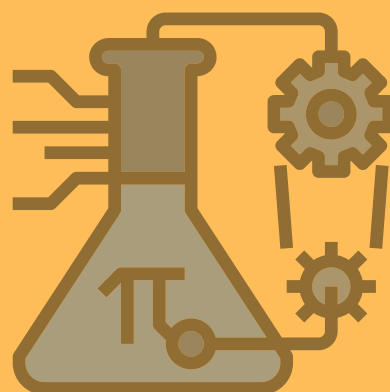
This course will be an introduction to the study of matter, atoms, molecules and ions. It explores on the concept of Stoichiometry, and the mathematical relationship between volume, pressure, and temperature in gases.

GENERAL CHEMISTRY 2:

This course continues the study of the fundamental principles and laws of chemistry. Topics include kinetics, equilibrium, ionic and redox equations, acid-base theory, electrochemistry, thermodynamics, introduction to nuclear and organic chemistry, and complex ions.

WORK IMMERSION

This course enables the learners to be exposed to and become familiar with work-related environment related to their field of specialization to enhance their competence. Helps the learners to gain relevant and practical industrial skills under the guidance of industry experts and workers; appreciate the importance and application of the principles and theories taught in school; enhance their technical knowledge and skills; enrich their skills in communications and human relations; and develop good work habits, attitudes, appreciation, and respect for work.



GENERAL PHYSICS 1

This subject deals with the mechanics of particles, rigid bodies, and fluids; waves; and heat and thermodynamics using the methods and concepts of algebra, geometry, trigonometry, graphical analysis, and basic calculus.

GENERAL PHYSICS 2

This subject covers electricity and magnetism; optics; the basics of special relativity, atomic and nuclear phenomena using the methods and concepts of algebra, geometry, trigonometry, graphical analysis, and basic calculus.

HEALTHCARE IMMERSION

This course highlights the subjects related and useful in the field of health care. This focuses on the laboratory and field exposures of the learners. The remaining senior years shall be devoted primarily for this Program where students shall be exposed to the actual health sciences profession. It helps the learners to gain relevant and practical skills under the guidance of healthcare experts and workers.



ANATOMY & PHYSIOLOGY

This study introduces the anatomy and physiology of the human body with emphasis on body structure and function. The topics covered will include chemical, cellular, and tissue level of organization; integumentary, skeletal, muscular, and nervous systems. The course give students a basic working knowledge of the structure and function of the human body with regard to the maintenance of homeostasis, and possible system disorders. Proper mastery and understanding of terms, processes, and concepts will allow the student in any medical field to be optimally equipped for more advanced study.

BASIC MICROBIOLOGY

This course covers principles of microbiology and the impact these organisms have on man and the environment. Topics include the various groups of microorganisms, their structure, physiology, genetics, microbial pathogenicity, infectious diseases, immunology, and selected practical applications. Upon completion, students should be able to demonstrate knowledge and skills including microscopy, aseptic technique, staining, culture methods, and identification of microorganisms.



BUSINESS ETHICS AND SOCIAL RESPONSIBILITY

The course deals with the fundamental concepts, principles, and practices of ethical standards in the business environment. It combines the theoretical foundations of setting up business enterprises with the conduct of entrepreneurial activities in the context on one's accountability and social responsibility.

Specifically, the course aims to: (1) provide students with a basic understanding of the mechanisms whereby companies can be made to act in the best interests of shareholders, other stakeholders, and society as a whole; (2) provide students with knowledge of general ethical principles as applied to the special situations of business and the ability to make informed judgments through case analyses; and (3) equip students with the ability to formulate basic strategies in relation to corporate ethics and governance.

PRINCIPLES OF MARKETING

The course deals with the principles and practices in marketing goods and services. It also focuses on the development of integrated marketing programs that will help grow businesses.

WORK IMMERSION

This course enables the learners to be exposed to and become familiar with work-related environment related to their field of specialization to enhance their competence. Helps the learners to gain relevant and practical industrial skills under the guidance of industry experts and workers; appreciate the importance and application of the principles and theories taught in school; enhance their technical knowledge and skills; enrich their skills in communications and human relations; and develop good work habits, attitudes, appreciation, and respect for work.



BUSINESS FINANCE

This course deals with the fundamental principles, tools, and techniques of the financial operation involved in the management of business enterprises. It covers the basic framework and tools for financial analysis and financial planning and control, and introduces basic concepts and principles needed in making investment and financing decisions. Introduction to investments and personal finance are also covered in the course.

Using the dual-learning approach of theory and application, each chapter and module engages the learners to explore all stages of the learning process from knowledge, analysis, evaluation, and application to preparation and development of financial plans and programs suited for a small business

ORGANIZATION AND MANAGEMENT

This course is designed to familiarize the students with the basic concepts, principles, and processes related to business organization, and the functional areas of management. Particular emphasis will be given to the study of management functions like planning, organizing, leading, and controlling, and orient the students on the importance of these functions and the role of each area in entrepreneurship.



CREATIVE WRITING

The course aims to develop practical and creative skills in reading and writing; introduce students to the fundamental techniques of writing fiction, poetry, and drama; and discuss the use of such techniques by well-known authors in a variety of genres. Each class will be devoted to the examination of techniques and to the workshop of students' drafts toward the enrichment of their manuscripts. Students learn how to combine inspiration and revision, and to develop a sense of form.

COMMUNITY INVOLVEMENT IN SOCIAL ISSUES

This course focuses on the application of ideas and methods of the social sciences to understand, investigate, and examine challenges of contemporary community life. It focuses on community-action initiatives such as community engagement, solidarity, and citizenship as guided by the core values of human rights, social justice, empowerment and advocacy, gender equality, and participatory development. It aims at enhancing students' sense of shared identity and willingness to contribute to the pursuit of the common good of the community. It enables students to integrate applied social sciences into community-action initiatives.

CREATIVE NON-FICTION: THE LITERARY ESSAY

The course focuses on formal elements and writing techniques, including autobiography and blogging, among others, the subject introduces the students to the reading and writing of Creative Nonfiction as a literary form. This develops in students skills in reading and thinking critically and creatively, that will help them to be imaginative readers and writers.



WORK IMMERSION

This course enables the learners to be exposed to and become familiar with work-related environment related to their field of specialization to enhance their competence. Helps the learners to gain relevant and practical industrial skills under the guidance of industry experts and workers; appreciate the importance and application of the principles and theories taught in school; enhance their technical knowledge and skills; enrich their skills in communications and human relations; and develop good work habits, attitudes, appreciation, and respect for work.

PHILIPPINE POLITICS AND GOVERNANCE

This course introduces the students to the basic concepts and vital elements of politics and governance from a historical-institutional perspective. In particular, it attempts to explain how the important features of our country's political structures/institutions, processes, and relationships developed across time. In the process, the course helps the learners gain a better appreciation of their rights and responsibilities as individuals and as members of the larger sociopolitical community to strengthen their civic competence.

WORLD RELIGION AND BELIEF SYSTEM

The course explores the main tenets and practices of major world religions: Judaism, Christianity, Islam, Hinduism, Theravada Buddhism, Mahayana Buddhism, Confucianism, Taoism and Shintoism. It aims to help learners understand the historical contexts of nine religions, appreciate their uniqueness and similarities and promote mutual understanding among believers of different faiths. They are expected to demonstrate understanding and appreciation of one's faith and that of others. The course aims to help learners understand the role that faith plays as they grapple with the questions and concerns towards the fullness of life. As the course looks at the uniqueness of the different faith expressions, the students are led to openness and critical appreciation of their life-giving character as exemplified in their beliefs, norms and rituals.



BREAD AND PASTRY PRODUCTION 1

This course is designed to develop knowledge, skills, and attitude to perform the tasks on Bread and Pastry Production leading to National Certificate Level II (NC II). It covers core competencies namely: 1) prepare and produce bakery products; 2) prepare and produce pastry products and 3) Prepare and present gateaux, tortes and cakes.

BREAD AND PASTRY PRODUCTION 2

This course is designed to develop knowledge, skills, and attitude to perform the tasks on Bread and Pastry Production leading to National Certificate Level II (NC II). It covers core competencies namely: 3) Prepare and present gateaux, tortes and cakes; 4) Prepare and display petite fours and 5) present desserts.

APPRENTICESHIP

This course enable the learners to be exposed to and become familiar with work-related environment related to their field of specialization to enhance their competence. Helps the learners to gain relevant and practical industrial skills under the guidance of industry experts and workers; appreciate the importance and application of the principles and theories taught in school; enhance their technical knowledge and skills; enrich their skills in communications and human relations; and develop good work habits, attitudes, appreciation, and respect for work.



COMPUTER PROGRAMMING 3

This is a specialization course that leads to a Programming (VB.Net) National Certificate Level III (NCIII). The course focuses on understanding the programming concepts, creating procedures, working with decision structures and loops, enhancing interfaces of applications develop using VB.NET programming language.

COMPUTER PROGRAMMING 4

This is a specialization course that leads to a Programming (VB.Net) National Certificate Level III (NCIII) The course focuses on user interfaces, program structure, language syntax, and implementation details in object-oriented approach using VB.net programming language.

APPRENTICESHIP

This course enable the learners to be exposed to and become familiar with work-related environment related to their field of specialization to enhance their competence. Helps the learners to gain relevant and practical industrial skills under the guidance of industry experts and workers; appreciate the importance and application of the principles and theories taught in school; enhance their technical knowledge and skills; enrich their skills in communications and human relations; and develop good work habits, attitudes, appreciation, and respect for work.



ANIMATION 3

This specialization course which leads to an Animation National Certificate Level (NC II) covers Personal Entrepreneurial Competencies (PECs); Environment and Market (EM); and one (1) Core Competency that a high school student out to possess to produce clean-up and in-between drawings. Focused on animated film production process, concept art and character design in Adobe Photoshop, digital version of storyboard, basic video editing using Adobe After effects and converting storyboard to animatic using Adobe After effects.

ANIMATION 4

This specialization course which leads to an Animation National Certificate Level (NC II) covers Personal Entrepreneurial Competencies (PECs); Environment and Market (EM); and one (1) Core Competency that a high school student out to possess to produce clean-up and in-between drawings.

Focused on basic graphic design, basic photography and cinematography and animated film production.

APPRENTICESHIP

This course enable the learners to be exposed to and become familiar with work-related environment related to their field of specialization to enhance their competence. Helps the learners to gain relevant and practical industrial skills under the guidance of industry experts and workers; appreciate the importance and application of the principles and theories taught in school; enhance their technical knowledge and skills; enrich their skills in communications and human relations; and develop good work habits, attitudes, appreciation, and respect for work.



Subject Enhancements

Over and above the curriculum prescribed by the Department of Education, the Senior High School Program offers curricular enhancements where the 21st Century Learning Competencies are integrated: critical thinking, independent and experiential learning, and problem-solving skills



SPIRITUAL/ RELIGIOUS ACTIVITIES

These are in the form of recollections, retreats, social advocacies, and Basic Ecclesial Community.



SHS LINGUA

Learn a new language! Have an edge! This program features Spanish, Nihongo, and Korean classes.



MASTER CLASS

Special lectures where learners learn from the experts in the field.



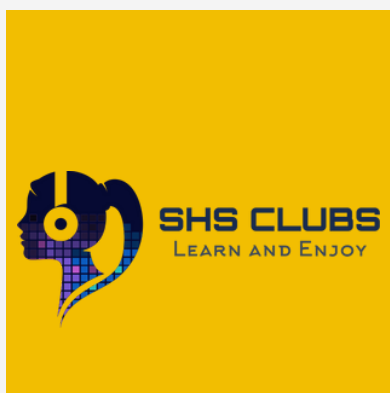
LITE PROGRAM

On-site, Off-campus, Virtual Learning, Immersion, Training, and Exposure.



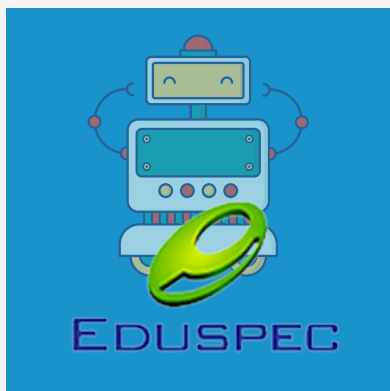
VIRTUAL ACADEMIC EXCHANGE PROGRAM

Academic & research collaborations with global students.



SHS CLUBS

Diverse clubs to choose from to tap learners' potentials.



ROBOTICS

Offered as an interest group for STEM and ICT students.