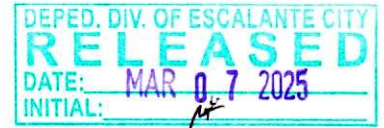




Republic of the Philippines
Department of Education
REGION VI – WESTERN VISAYAS
SCHOOLS DIVISION OF ESCALANTE CITY



March 7, 2025

DIVISION MEMORANDUM

NO. 150, s. 2025

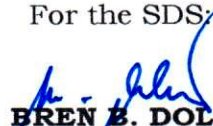
KEY FEATURES OF THE STRENGTHENED SENIOR HIGH SCHOOL PROGRAM

TO: OIC-Assistant Schools Division Superintendent
Chief Education Supervisors
Division Education Program Supervisors/Coordinator
Public and Private Elementary and Secondary School Heads
All others concerned

1. Attached is Regional Memorandum No. 209, s. 2025 titled “KEY FEATURES OF THE STRENGTHENED SENIOR HIGH SCHOOL PROGRAM” released by the Department of Education on February 23, 2025.
2. School Heads are advised to disseminate this memorandum at the school level.
3. Immediate dissemination of this memorandum is desired.

PETER J. GALIMBA
Assistant Schools Division Superintendent
Officer-in-Charge
Office of the Schools Division Superintendent

For the SDS/


BREN B. DOLAR
Administrative Officer V
In-Charge of the Division ✓

Enclosure: as stated
Allotment: 1-2-3-6-9
Perpetual Index:
TECHNICAL ASSISTANCE SCHOOL HEADS CURRICULUM

Torres/CID 3-7-25



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Republic of the Philippines
Department of Education
REGION VI – WESTERN VISAYAS

MAR 06 2025

REGIONAL MEMORANDUM
No. 209 s. 2025

KEY FEATURES OF THE STRENGTHENED SENIOR HIGH SCHOOL PROGRAM

To: OIC-Assistant Regional Director
Schools Division Superintendents
All Others Concerned

1. Attached is the Presentation on the Key Features of the Strengthened Senior High School Program released by the Department of Education on February 23, 2025.
2. Immediate dissemination of this Memorandum is desired.


RAMIR B. UYTICO EdD, CESO III
Regional Director

Encl: As stated
Reference: As stated
To be indicated in the Perpetual Index
under the subject:

CURRICULUM

PROGRAMS

SENIOR HIGH SCHOOL

RTLQAD/RM/Key Features of Strengthened SHS ...
011/February 24, 2025



Address: Duran Street, Iloilo City, 5000
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Certificate No. PHP QMS
24 93 0184



Key Features of the Strengthened Senior High School Program

As of February 23, 2025

Key Features of the Strengthened Senior High School Program

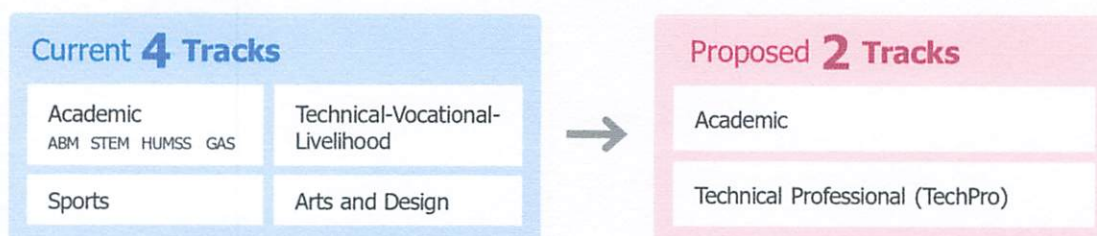


1. Reduction of tracks from 4 to 2
2. Reduction of the required subjects
3. Streamlining the number of core subjects, academic electives, and techpro electives
4. Replacing strands with "clusters" of electives
5. Introduction of a "doorway option" where learners can take 2 elective subjects from the other track
6. Revised time allotment per subject
7. Extension of Work Immersion hours from 80 hours to 320 hours, and 320 hours to 640 hours
8. Introducing a unit system

1 Reduction of tracks from 4 to 2

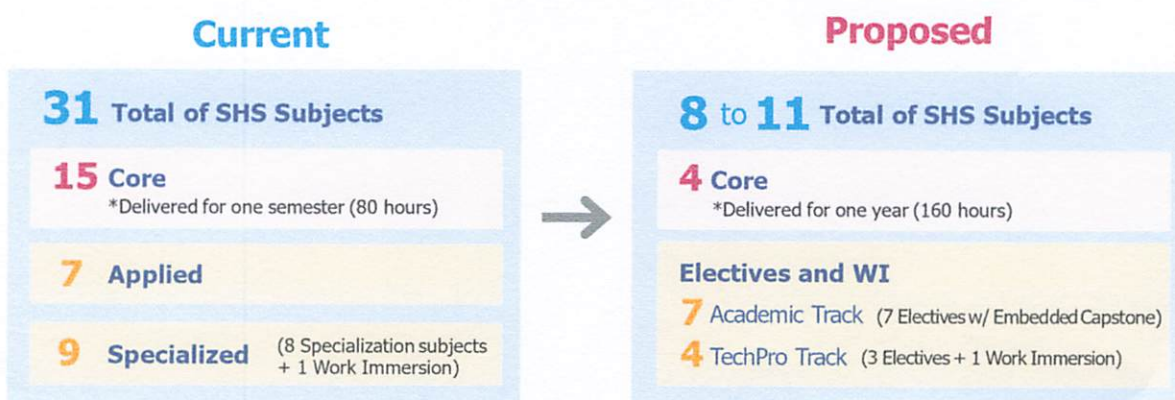
Students interested in Arts & Design (A&D) and Sports will take the Academic track instead, and choose A&D/S "electives".

Teachers who were previously teaching specialized and applied subjects under Arts & Design Track and Sports Track will now teach "electives" that are related to Arts & Design and Sports, which are all under the academic track.



2 Reduction of the required subjects

Students are now required to complete 9–12 subjects to finish the SHS program, down from the previous 31 subjects. This includes 5 core subjects and 4–7 electives including work immersion or a capstone project (estimate count but may change depending on the schools' class program).



2 Reduction of the required subjects

15 Current SHS Core Subjects

Oral Communication
Reading and Writing Skills
21st Century Literature from the Philippines and the World
Media and Information Literacy
Komunikasyon at Pananaliksik sa Wika at Kulturang Filipino
Pagbasa at Pagsuri ng Iba't-ibang Teksto Tungo sa Pananaliksik

Personal Development
Physical Education (Fitness, Sports, Dance, Recreational Activities)/HOPE

General Mathematics
Statistics and Probability
Earth and Life Science (for STEM: Earth Science)
Physical Science (for STEM: Disaster and Risk Reduction Management)

Understanding Culture, Politics, and Society
Introduction to Philosophy of the Human Person/Pambungad sa Pilosopiya ng Tao
Contemporary Philippine Arts from the Regions



4 Proposed Core Subjects

 Applied Communication Arts

 Life Skills

 Integrated Science and Mathematics in Society

 Pag-aaral ng Kasaysayan at Lipunang Pilipino

3 Streamlining the number of core subjects, academic electives, and techpro electives

Core: The key competencies from related core subjects have been merged, reducing the original 15 core subjects to just 4. These core subjects will now be offered throughout the entire year instead of being limited to a single semester.

Academic electives: Subjects with competencies already covered in JHS were removed.

Techpro electives: Electives that are no longer offered by TESDA were removed.

The list of subjects can be found in Annex A.

A **sequence of subjects** will be released to clearly identify pre-requisite subjects.

4 Replacing strands with "clusters" of electives

Previously, students needed to take specialized subjects based on their strands. In the new model, students can take any electives from any cluster of subjects. Schools may now offer a variety of electives that are not tied to specific "strands."

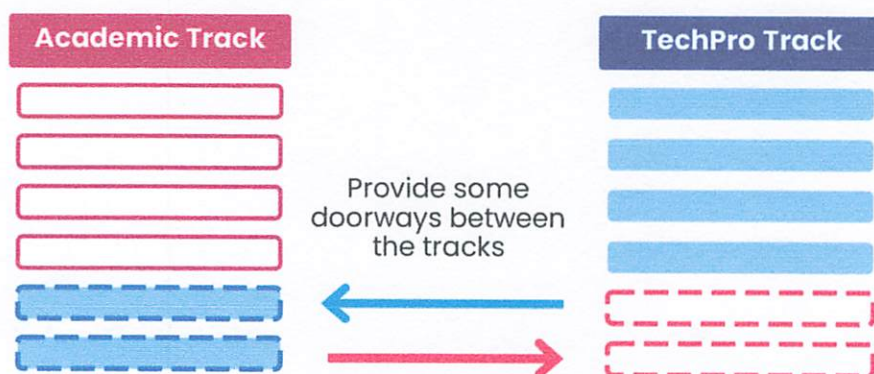
A draft clustering of electives can be found in Annex B.

POSSIBLE CLUSTERS OF ACADEMIC ELECTIVES

- Arts, Social Sciences, and Humanities
- Science, Technology, Engineering, and Mathematics (STEM)
- Sports, Health, and Wellness
- Business and Entrepreneurship
- Global Futures and Sustainability

5 Introduction of a "doorway option" where learners can take 2 elective subjects from the other track

Every student is required to choose a track by Grade 11 but they may opt to take 1–2 electives from the other track.



6 Revised time allotment per subject

Proposed time allotment:

- **Core** = 160 hours offered in one year/two semesters
- **Academic electives** = 80 hours offered in one semester
- **Grade 11 TechPro electives** = 320 hours in one year
- **Grade 12 TechPro electives** = 320 hours in one semester

7 Extension of Work Immersion hours from 80 hours to 320 hours, and 320 hours to 640 hours

If Work Immersion will be offered on consecutive days, 8 hours per day, students will be in work immersion for 1-2 quarters. Work immersion will be required for learners in the TechPro track and optional for learners in the Academic track.

**Work
Immersion
Hours**

FROM	80 to 320 hours
TO	320 to 640 hours

8 Introducing a unit system

All subjects will have a designated number of units, which will dictate the number of hours and their weight in grading.

Annex A:

List of Core Subjects with Description

ANNEX A

List of Core Subjects with Description

GRADE 11

APPLIED COMMUNICATION ARTS

This course provides an overview of communication principles and their application in the real world. Using English and Filipino languages, learners will explore different types of communication, analyze audiences, and learn how to create effective messages. Through lectures, discussions, and hands-on activities, learners will develop their communication skills and learn to apply them to various situations. It will also include examples of how communication can be applied in various fields. The course will also focus on 21st century literature, critical skills in persuasive writing and speaking, and the evolving landscape of digital and traditional communication channels.

INTEGRATED SCIENCE AND MATHEMATICS IN SOCIETY

The Integrated Science and Mathematics in Society uses an integrated approach to provide all Grade 11 learners with the opportunity to consolidate the learning of foundational concepts and skills in science and mathematics by applying them to the real-world phenomena such as climate change, natural disasters, technological advancements, and sustainability. This course allows learners to explore and offer ways to enhance life in the 21st Century.

ANNEX A

List of Core Subjects with Description

GRADE 11

PAG-AARAL NG KASAYSAYAN AT LIPUNANG PILIPINO

This course provides an overview of communication principles and their application in the real world. Using English and Filipino languages, learners will explore different types of communication, analyze audiences, and learn how to create effective messages. Through lectures, discussions, and hands-on activities, learners will develop their communication skills and learn to apply them to various situations. It will also include examples of how communication can be applied in various fields. The course will also focus on 21st century literature, critical skills in persuasive writing and speaking, and the evolving landscape of digital and traditional communication channels.

LIFE SKILLS

This course aims to promote holistic development of the learner highlighting personal, career, and professional competencies ensuring a successful transition to various pathways. It fosters interconnectedness of key areas of Social and Emotional Learning (SEL), health and wellness, and career and job readiness that support learners to become self-determined individuals.

Annex B:

List of Academic Electives and TechPro Electives with Description

Course Description for Academic Electives

① ARTS, SOCIAL SCIENCES, AND HUMANITIES CLUSTER

CULTIVATING FILIPINO IDENTITY THROUGH THE ARTS

The subject deepens the learners' understanding of the nature of Art as a product of human creative ability, a mode of communication (language), an aesthetic experience, and a repository of personal and collective identity manifested in oral traditions, local culture, and contexts of the community. Using various elements, principles, and mediums, learners design, propose, and produce innovations anchored on valuing the identity, history, and heritage of their community and the Filipino nation.

INTRODUCTION TO THE PHILOSOPHY OF THE HUMAN PERSON

This subject introduces the nature of philosophy as a way of thinking by exploring key philosophical questions and topics about the human person. Learners develop critical thinking, problem-solving, reflective thinking, and decision-making skills to gain a deeper understanding of the human person and their relationships with others in the world, and to promote human and social flourishing.

① ARTS, SOCIAL SCIENCES, AND HUMANITIES CLUSTER

WIKA AT KOMUNIKASYON SA AKADEMIKONG FILIPINO

Nakatuon ang kursong ito sa mga katangian at pag-unlad ng wikang Filipino para sa mabisang pagdidiskurso sa iba't ibang disiplina.

MALIKHAING PAGSULAT

Nakatuon ang kurso sa pag-aaral at pagsasanay sa malikhaing pagsulat ng tula at maikling kuwento gamit ang wikang Filipino at/o iba pang wika sa Pilipinas. Nakapaloob sa kurso ang mahahalagang yugto sa pagkatha—mula sa paglinang sa mga bukal ng idea't inspirasyon at pagsusulat ng unang borador, hanggang sa pagsasagawa ng palihan at rebisyon.

PHILIPPINE GOVERNANCE, CITIZENSHIP, AND CIVIC ENGAGEMENT

This course immerses the students to the basic concepts and vital elements of governance from an institutional perspectives and application of 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 enables the students to demonstrate sense of shared identity and willingness to contribute to the pursuit of the common good of the community.

① ARTS, SOCIAL SCIENCES, AND HUMANITIES CLUSTER

ARTS APPRENTICESHIP AND PRODUCTION

(THEATER ARTS)

This course offers an intensive period of acquiring, understanding, and developing proficiency in theater arts through hands-on training in available theater organizations, arts entrepreneurs, relevant government offices, arts centers, production houses, independent artists, arts entrepreneurs, and community-based art/cultural groups. It intends to enrich the learner's skills in his/her chosen field emphasizing Filipino artistic cultural values, work ethics and traditions while contributing to local and global creative theater industries. As a culminating project, production and research components of the course prepare learners to exhibit creative output using the skills learned during their apprenticeship period, emphasizing contextualized art forms, artistic, educational, cultural values, and work ethics while embracing technological advancements in the industry.

(DANCE)

This course offers an intensive period of acquiring, understanding, and developing proficiency in dance through hands-on training and dance technique classes in available dance organizations and/or businesses, dance centers, production houses, independent artists, community-based art/cultural groups, and other dance production activities. It intends to enrich the learner's skills in his/her chosen field, emphasizing Filipino artistic cultural values, work ethics, and traditions while contributing to local and global creative dance industries. As a culminating project, production and research components of the course prepare students to exhibit creative outputs using the skills learned during their apprenticeship period, emphasizing contextualized art forms, artistic, educational, cultural values, and work ethics.

① ARTS, SOCIAL SCIENCES, AND HUMANITIES CLUSTER

ARTS APPRENTICESHIP AND PRODUCTION

(MUSIC)

This course offers an intensive period of acquiring, understanding, and developing proficiency in music through hands-on training in available music organizations and/or businesses, art centers, production houses, independent artists, and community-based art/cultural groups. It intends to enrich the learner's skills in his/her chosen field, emphasizing Filipino artistic cultural values, work ethics, and traditions while contributing to local and global creative music industries. As a culminating project, the course's production and artistic research components prepare students to exhibit creative output using the skills learned during their apprenticeship period, emphasizing contextualized musical forms, artistic, educational, cultural values, and work ethics while embracing technological advancements in the industry.

(LITERARY ARTS)

Students will be guided into the process of literary writing for various media. It seeks to expose the learners to a variety of writing and literary genres, offering a wide range of career options through practices in literary art production and exhibition. This course similarly emphasizes the conceptualization, creation, and production of small-scale literary projects where learners will engage in the processes of creative writing and research skills aiming to develop their creative, technical, and collaborative work skills relevant to production and exhibition.

① ARTS, SOCIAL SCIENCES, AND HUMANITIES CLUSTER

ARTS APPRENTICESHIP AND PRODUCTION

(VISUAL ART, MEDIA ART, APPLIED ART, AND TRADITIONAL ART)

The course offers an intensive period of acquiring, understanding, and developing proficiency in visual arts, applied arts, traditional art, and multimedia arts through hands-on training in available art organizations, art centers, production houses, independent artists/designers, community-based art/cultural groups. It intends to enrich the learner's knowledge and skills in his/her chosen field with a focus on artistic development, cultural appreciation, and professional work ethics with the integration of creativity and technical proficiency, preparing students for real-world applications in the creative arts industry. As a culminating production project, students will produce and present creative works that showcase the skills, knowledge, and values focusing on contextualized art forms, cultural significance, and professional standards.

① ARTS, SOCIAL SCIENCES, AND HUMANITIES CLUSTER

FILIPINO SA SINING AT DISENYO

Nakatuon ang kurso sa kritikal na pag-unawa, pagsusuri, at pagpapahalaga sa Sining at Disenyo gamit ang komunikatibong Filipino.

LEADERSHIP AND MANAGEMENT IN THE ARTS

The course covers basic concepts and processes of leadership and management in the arts. Learners are introduced to the management of arts production through collaborative and experiential learning. Furthermore, the course emphasizes the value of building partnerships and linkages in sustaining arts organizations and their practices.

② SCIENCE, TECHNOLOGY, ENGINEERING, AND MATHEMATICS (STEM) CLUSTER

No description for electives yet

③ SPORTS, HEALTH, AND WELLNESS CLUSTER

COACHING, OFFICIATING, AND ACTIVITY MANAGEMENT

This course provides a comprehensive study of essential principles and applications in sports coaching that focuses on philosophical applications, ethical strategies and techniques; sports officiating that covers fundamental concepts of strategic leadership styles, practices and ethical application; and sports activity management that includes systematic process of assessment, implementation, and evaluation. At the end of this course, learners are engaged through interactive learning and practical applications to prepare them for a dynamic career in various sports industries, and certification from reputable and recognized organizations.

③ SPORTS, HEALTH, AND WELLNESS CLUSTER

INTRODUCTION TO HUMAN MOVEMENT

This course covers the basic structure and function of the human body, integrating principles of motor control, learning, development, and their relevance to fitness, exercise, and health, and current trends in movement assessment to optimize the performance of learners with various needs and skill levels.

EXERCISE AND SPORTS PROGRAMMING

The course is designed to provide learners with a comprehensive understanding of exercise programming and sports for fitness. It covers the principles of goal setting, training, functional movement, and periodization while promoting the development of personalized exercise programs aimed at improving their fitness. Learners will assess their fitness and personal nutrition and actively participate in physical activities. By the end of the course, learners will also gain the skills needed to pursue certification and careers in fitness.

③ SPORTS, HEALTH, AND WELLNESS CLUSTER

FILIPINO SA ISPORTS

Nakatuon ang kursong ito sa kritikal na pag-unawa, pagsusuri, at pagsulat ng iba't ibang sulating pang-isports na angkop sa interes ng mga mag-aaral gamit ang akademikong Filipino sa pagbuo ng panukalang plano na tumutugon sa pangangailangan sa komunidad.

SAFETY AND FIRST AID

This course is designed to equip learners with essential life skills and competencies in safety, first aid, injury prevention, and management across various settings. It focuses on enabling prompt and effective responses during emergencies. By the end of the course, learners will be able to confidently demonstrate safety protocols, first aid procedures, and emergency management techniques. Successful completion of the course will lead to certification from recognized and accredited organizations.

④ BUSINESS AND ENTREPRENEURSHIP CLUSTER

BASIC ACCOUNTING

This course provides learners with a comprehensive understanding of the fundamental principles and concepts of accounting. It covers key topics such as the Accounting Cycle of a Service Business and a Merchandising Business and applies accounting concepts in real-world business scenarios.

ORGANIZATION AND MANAGEMENT

This course is designed to introduce the learners to the basic concepts, principles, and processes related to business organization, functional areas of management, and practices of ethical standards in the context of accountability and social responsibility of a business enterprise.

BUSINESS FINANCE AND INCOME TAXATION

This course covers the key concepts, underlying principles, processes, and challenges within the scope of business and finance, including its application on decision-making, analysis, interpretation, and strategy formulation derived from various business environment and financial reports, considering the impact of income taxation with application of ethical standards and one's personal financial experiences and practices.

④ BUSINESS AND ENTREPRENEURSHIP CLUSTER

CONTEMPORARY MARKETING AND BUSINESS ECONOMICS

This course equips learners with an essential foundation in marketing, integrating traditional principles and digital platform strategies. It emphasizes customer-centric, data-driven decision-making, while teaching learners to analyze consumer behavior, create effective campaigns, and incorporate sustainable ethical practices. By the end of the course, learners will be able to present a marketing plan that meets business goals, targets the right audience, and uses effective strategies.

ENTREPRENEURSHIP

This course introduces learners to the fundamental concepts and skills development in entrepreneurship. It focuses on identifying business opportunities, developing innovative solutions, and creating feasible business ideas. By the end of the course, learners will implement and evaluate a business plan that addresses the needs of the community.

④ BUSINESS AND ENTREPRENEURSHIP CLUSTER

CREATIVE INDUSTRIES (VISUAL, LITERARY, MEDIA, APPLIED, AND TRADITIONAL ARTS)

The course serves as a foundation that provides inquiry into the industries of selected art disciplines: visual, literary, media, applied, and/or traditional arts. It highlights diverse art styles, forms, genres, and venues on varied mediums, techniques, principles, significant artists, works, and processes with applications of relevant art skills in line with and global contexts.

CREATIVE INDUSTRIES (MUSIC, DANCE, AND THEATER)

The course serves as a foundation that provides inquiry into the industries of selected performing arts disciplines, including music, dance, or theater arts by evaluating the diverse range of activities, practices, stakeholders, and institutions that contribute to the creation, production, presentation, promotion, and consumption of the respective creative outputs with an emphasis on the relevant laws and regulations, economic and practical application of arts skills in the local and global markets.

Course Description for Technical–Professional Electives

Annex B / Course Description for Technical–Professional Electives

① INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)

ANIMATION

This course is designed to enable learners to apply a strong foundation in the fundamentals and principles of animation; it equips them with industry-standard techniques to create polished animations, demonstrating proficiency in key skills such as clean-up and inbetweening, both in traditional and digital animation production workflows. Upon completion, learners will be prepared to advance their middle level skills, higher education and wide range of future business and career opportunities and earn the TESDA National Certification in Animation (Level II), positioning them for roles such as assistant animators, clean-up artists, and in-between artists.

COMPUTER PROGRAMMING (.NET TECHNOLOGY)

This course enables learners to develop applications using HTML5, CSS3, JavaScript, and .NET technology, demonstrating proficiency in programming, software development, and problem-solving skills, which are applicable across various tech sectors and will prepare them for future technology trends and careers.

① INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)

COMPUTER PROGRAMMING (JAVA)

This course enables learners to competently develop, test, and maintain software applications using Java. Thus, it enhances their career opportunities in the tech industry and allows businesses to build robust and scalable solutions. Upon completing the course, learners will be prepared to take the National Certification Level III for the Technical Education and Skills Development Authority Qualification of Programming (Java). This course ensures that learners have both middle-level and college-ready education skills and work-ready, equipping them to perform object-oriented analysis and design in Java technology and to create fine-tune Java technology applications using object-oriented programming concepts. This enables them to confidently pursue roles like Java programming support staff, software developers, application developers, and user interface developers.

COMPUTER PROGRAMMING (ORACLE DATABASE)

This course focuses on Structured Query Language (SQL) and Programming Language (PL), equipping learners with the essential knowledge and skills needed to build, implement, develop, test, and maintain computer programs while administering databases using Oracle technology. After completing the course, this will enable learners to obtain National Certification Level III of Technical Education and Skills Development Authority (TESDA) Qualification Programming Oracle Database for career advancement in the Programming Industry.

① INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)

COMPUTER SYSTEMS SERVICING

This course equips learners with competencies in setting up, configuring, and maintaining computer systems, networks, and servers. It also fosters problem-solving skills and promotes efficient practices in IT service management. Learners will also explore business and service opportunities in the IT industry, preparing them for roles in entrepreneurship, freelancing, and managed IT services. Upon completion, graduates will be ready to pursue middle level skills and higher education, advance their careers, and obtain the TESDA National Certification in Computer Systems Servicing (Level II). This certification enhances employability and opens immediate career opportunities in IT support, systems management, and related business ventures.

CONTACT CENTER SERVICES

This course enables learners to effectively manage customer interactions in a contact center environment, including inquiries, complaints, inbound service, order taking, and outbound telemarketing, while maintaining company integrity and fostering teamwork to achieve organizational goals and advance their careers. Upon completion, learners will be more equipped in either advancing to Higher Education or acquiring National Certificate level II which will broaden their employment prospects and provide valuable skills and benefits that support career growth in the contact center sector.

① INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)

EMPOWERMENT TECHNOLOGIES

This course equips learners with the knowledge and skills to maintain and optimize computer systems, secure data, utilize digital productivity tools for effective communication, collaboration, and problem-solving, and explore emerging technologies like AI, Blockchain, and IoT to develop practical solutions, foster ethical awareness, and gain experience in no-code AI development and web development to create AI models, applications, and functional websites.

ILLUSTRATION

This course is designed to equip learners with the skills, knowledge, and attitude needed to produce precise illustrations across traditional and digital media. It covers the development of drawing techniques to represent objects and concepts, utilizing various tools and software for creating high-quality illustrations. Upon completion of the course, learners will be prepared to take the National Certification Level II in Illustration from Technical Education and Skills Development Authority.

① INFORMATION AND COMMUNICATION TECHNOLOGY (ICT)

VISUAL GRAPHIC DESIGN

This course is designed to provide learners with the principles and skills necessary for Visual Graphic Design, covering a range of topics. These include the Fundamentals and Principles of Visual Graphic Design; User Experience (UX) and User Interface (UI); and industry-standard software for product packaging design. Learners will acquire the fundamental principles of visual graphic design by developing designs for logos, print media, user experience (UX), user interface (UI), product packaging, and booth/product window displays. After completing the course, this will enable learners to obtain National Certification, level III for Technical Education Skills Development Authority or TESDA's Qualification Visual Graphic Design, opening pathways for career advancement in visual graphic design, entrepreneurship, middle level skills development, and higher education.

② AGRICULTURE AND FISHERY ARTS (AFA)

AGRICULTURAL CROPS PRODUCTION

This course is designed to provide learners with principles and skills in Agricultural Crops Production that include the overview of agricultural crops production; Occupational Safety Health Standards in agricultural crops production; tools, implement and equipment, pre-operative check-up, growing media mixture; crop requirement, planting materials according to kinds and varieties, plant care and management, harvesting and post-harvesting operation, and marketing of farm produce. After completing the course, this will enable learners to take the National Assessment for the qualification of Agricultural Crops Production NC II under Technical Education and Skills Development Authority, opening pathways for career advancement in managing a small farm and own business enterprise.

AGRO-ENTREPRENEURSHIP

This course is designed to provide learners with principles and skills for Agro-Entrepreneurship. These include the Overview of Agro-Entrepreneurship; Market Opportunities; Farm Products and Services to be Marketed; Marketing Plan; Value-adding Activities; Farm Production Plan; Budget Plan; Development of Business Plan; Handling Finances; Marketing, and Recordkeeping of Products and Services in Agri-Fishery Arts sector. After completing the course, this will enable learners to take the National Assessment for the qualification of Agro-Entrepreneurship NC II under the Technical Education and Skills Development Authority, opening pathways for career advancement in Farm Entrepreneurship.

② AGRICULTURE AND FISHERY ARTS (AFA)

AQUACULTURE

This course is designed to provide learners with principles and skills for successful aquatic farming operations which includes utilization of tools and equipment, site selection, pond preparation and facilities. It also covers record keeping, hatchery operations, broodstock and spawning management, stocking of aquatic organisms, feeding management, stock sampling, water quality parameter management, health management, harvest and post-harvest activities and marketing of aquaculture products. After completing the course, this will enable learners to take National Certification level II for the following, Aquaculture - Grow-out Operation, Tilapia Culture, and Hatchery Operation under Technical Education and Skills Development Authority, opening pathways for career advancement in the aquaculture production industry.

FISH CAPTURE

This course is designed to provide learners with principles and skills for fish capture, covering a range of topics which includes the overview of fish capture, legal basis in protecting marine environment, tools, materials and equipment in fish capture operation, and safe navigation information. It also covers the types, functions, and maintenance of fishing gears, fish capture operation, small vessel condition and seaworthiness, operation, and navigation, handling, storing, transportation, and recording of aquatic products. After completing the course, this will enable learners to take the National Assessment for the qualification of Fish Capture NC II under the Technical Education and Skills Development Authority, opening pathways for career advancement in the fish capture production industry.

② AGRICULTURE AND FISHERY ARTS (AFA)

FOOD PROCESSING

This course is designed to provide learners with principles, attitudes, and skills in food processing and packaging of products. It covers competencies such as salting, curing, and smoking; fermentation and pickling; sugar concentration; drying and dehydration; thermal application; packaging and marketing processed foods in accordance with the industry standards. After completing the course, this will enable learners to take the National Assessment for the Qualification of Food Processing NCII, and Fish Product Packaging NCII under the Technical Education and Skills Development Authority, opening pathways for career advancement in the food processing, and fish packaging industry.

ORGANIC AGRICULTURE PRODUCTION

This course is designed to provide learners with principles and skills for organic agriculture production, covering a range of topics. These include the Overview of Organic Agriculture, Occupational Safety and Health Standards in Organic Agriculture, Tools, materials and equipment, waste disposal management, record keeping, marketing of organic farm products. Produce organic concoction and extracts, organic fertilizer, organic vegetables, organic chicken, organic swine and organic ruminants. After completing the course, these will enable the learners to obtain National Certification Level II for Organic Agriculture Production under the Technical Education Skills Development Authority, opening pathways for career advancement in the agriculture industry.

② AGRICULTURE AND FISHERY ARTS (AFA)

POULTRY PRODUCTION – CHICKEN

This course is designed to provide learners with principles and skills for Poultry-Chicken Production. These include the Overview of Poultry Production-Chicken, Pre-operational Activities in Poultry Production- Chicken, Farm Waste/Health Management, Farm Planning and Site Requirements, Farm Inputs Requirements, Building Lay-out and Design; Farm Facilities, Farm Maintenance, Flock Selection and Culling, Care and Management of Brooding and Growing Chicks, Nutrition and Feeding Requirements, Harvesting and Post-harvest Operation, Marketing and Record Keeping in Poultry Production. After completing the course, this will enable learners to take the National Assessment for the qualification of Animal Production-Poultry NC II under the Technical Education and Skills Development Authority, opening pathways for career advancement in the animal production industry.

RUMINANTS PRODUCTION

This course is designed to provide learners with principles and skills in raising dairy and meat-type ruminants which includes maintaining tools, materials, implements and equipment, housing and surrounding areas. It also covers provision of forages, breeding and care and management in accordance with industry practices. After completing the course, this will enable learners to take National Certification level II for the Animal Production- Ruminants under Technical Education and Skills Development Authority, opening pathways for career advancement in the animal production industry.

② AGRICULTURE AND FISHERY ARTS (AFA)

SWINE PRODUCTION

This course is designed to provide learners with principles and skills for Swine Production, it includes the Overview of Swine Production; Occupational Safety and Health (OSH) standards in Swine Production; Tools, Materials and Equipment in Swine Production; Breeds of Swine; Housing Requirements; Care and maintenance; Harvesting and post- harvesting; Record Keeping; and Marketing of Swine. After completing the course, this will enable learners to take the National Assessment for the qualification of Animal Production Swine NC II under the Technical Education and Skills Development Authority, opening pathways for career advancement in the animal production industry.

③ FAMILY AND CONSUMER SCIENCE (FCS)

AESTHETIC SERVICES (BEAUTY CARE)

This course is designed to equip learners with knowledge and skills in the Aesthetic industry. Learners will apply practical hands-on such as nail care, skincare, hair styling practices, hygiene, and safety standards related to industry standards that make them proficient. After completing the course, learners may obtain a TESDA's Certificate of Competency (COC) or National Certificate Level II (NCII) for TESDA's Qualification under Beauty Care (Nail Care and Skin Care, after passing the National Assessment NC II, which opens pathways for a career in the Aesthetic industry.

BAKERY OPERATIONS

This course is designed to provide learners with principles and skills for Bakery Production, covering a range of topics. These overview of baking industry, food safety and sanitation, baking terminologies, ingredients, tools, and equipment, baking terminologies, ingredients, tools, and equipment, techniques used in preparing ingredients, common mixing techniques, bakery math, packaging and storing bakery products, bread products and by-products, bread production techniques, pastry products, contemporary trends and traditional methods in pastry making and fillings, cake products, cake production essentials, and petite fours production, After completing this course, this will enable learners to obtain National Certification II for TESDA's Qualification Bread and Pastry Production, opening pathways for career advancement in bread and pastry industry.

③ FAMILY AND CONSUMER SCIENCE (FCS)

CAREGIVING (ADULT CARE)

This curriculum guide is designed to equip learners with knowledge, skills and attitudes necessary to perform care and support for adults and respond effectively to emergencies. After completing the course, this will enable learners to obtain National Certification level II for the TESDA's Qualification Caregiving (Elderly) opening the pathways for career advancement in the health care industry.

CAREGIVING (CHILD CARE)

This course is designed to equip learners with knowledge, skills, and attitudes necessary practice occupational safety and health policies and procedures, practice entrepreneurial skills in the workplace, participate in the implementation and monitoring of caregiving care plan, implement and monitor infection control policies and procedures, apply standard first aid and basic life support, develop the ability to recognize newborn, infant, toddler and preschooler growth and development, and perform caring skills for newborn, toddler and preschooler.

Upon completion, students will be eligible to obtain National Certification Level II for TESDA's Qualification in Caregiving (Newborn to Preschooler NCII), paving the way for career advancement in the healthcare industry.

③ FAMILY AND CONSUMER SCIENCE (FCS)

EVENTS MANAGEMENT SERVICES

This course is designed to provide learners with the necessary concept principles and skills for Event Management Services covering various topics. This encompasses Event Program Development, Legal Frameworks in Event Management, Contractor Management and Protocol, and Managing events and Meetings, Incentives, Conventions, and Exhibitions (MICE). After completing the course, will enable learners to obtain National Certification Level III after passing the National Assessment for Event Management under the Technical Education and Skills Development Authority (TESDA) opening pathways for career opportunities in the events management industry.

FOOD AND BEVERAGES OPERATIONS

The Food and Beverage Operation course equips senior high school learners with the essential knowledge and skills of the food service industry. This course combines the principles of food and beverage services and customer relations with specialized training in coffee preparation and barista artistry. Learners will acquire menu planning, table setting, and effective communication while honing their expertise in coffee brewing, latte art, and beverage presentation. Through hands-on activities, students will develop competencies, practical skills, and industry-standard practices in operations, inventory management, and basic coffee artistry. Learners will also have the opportunity to obtain National Certification Level II (NC II) for TESDA's Food and Beverage Operation and Barista Qualifications upon passing the assessment, opening pathways to becoming a well-rounded professional in the food service and coffee industries.

③ FAMILY AND CONSUMER SCIENCE (FCS)

FRONT OFFICE SERVICES

This course is designed for front office services, equipping learners with the essential knowledge and practical skills required in the hospitality industry and certification standards related to Front Office services. Throughout the course, learners will explore various aspects of hotel services from understanding the organizational structure and responsibilities within a hotel front office and guest relations. Each quarter focuses on specific themes, allowing learners to develop a thorough understanding of the operations, safety protocols, and customer service aspects vital to standard hotel front office services. Completing the course will enable learners to obtain National Certification level II after passing the assessment for TESDA's Front Office Services, opening pathways for career advancement in hotel front office operations services.

GARMENTS ARTISANRY

This course will equip learners with essential knowledge and skills in dressmaking, tailoring with fashion design using techniques in designing highly sustainable modern and traditional apparel, pattern drafting, cutting, alterations, fabric selection, garment construction for men's, women's and children's wear. After completing the course, the learners may obtain National Certification Level II for Dressmaking and Tailoring leading to Fashion Design NC III. Additionally, it enables learners to develop entrepreneurial skills while adhering to industry standards following Occupational Health and Safety Precautions.

③ FAMILY AND CONSUMER SCIENCE (FCS)

HAIRDRESSING

This course is designed to provide learners with the concepts, principles and skills in hairdressing. These include an overview of Hairdressing and services such as haircutting, hair treatments, hair bleaching & coloring, rebonding, perming, following the Occupational Safety and Health (OSH) standards for handling tools, materials, and equipment used in hairdressing. After completing the course, learners may obtain Certificates of Competency (COC) or full qualification of National Certification Level II (NCII) in Hairdressing at the same time as a pathways of learners for career opportunities in beauty care industry.

HANDICRAFT (WEAVING)

This course is designed and developed to provide learners with concepts, principles, and skills in basketry and handloom weaving. Learners will acquire practical skills in operating handloom devices and create basketry products, and woven textiles. Learners will be equipped with entrepreneurial competencies to obtain National Certification Level II for TESDA's Qualification in Handloom Weaving, opening pathways for career opportunities and advancement in Basketry and Handloom Weaving.

③ FAMILY AND CONSUMER SCIENCE (FCS)

KITCHEN OPERATIONS

This course aims to provide the learners with comprehensive knowledge and technical skills to perform the required industry standards and procedures covering various topics. These include the Fundamentals of Culinary Arts, preparing, presenting, and storing dishes such as Stocks, Soups and Sauces, Appetizers, Salad and Dressings, Sandwich, Eggs, Cereals, and Farinaceous Dishes, Vegetables, Seafood, Poultry and Game, Meat Dishes and Desserts. Completing this course will enable learners to obtain National Certification Level II for TESDA's Qualification Cookery, opening pathways to becoming a well-rounded cook/chef.

TOURISM SERVICES

This course is designed for learners to develop skills, knowledge, and attitudes that will enable them to perform tasks to meet industry and certification standards related to Travel Services, Tourism Promotions Services, and Local Guiding Services. It covers specialized competencies in processing tourism service requirements such as travel-related reservations, transactions, and requests, assistance in travel documentation, and process issuance of passage tickets and other travel-related documents. Additionally, learners will be competent in utilizing technology-based systems to develop tour itineraries and packages, accompany and guide tourists, and promote tourism destinations, products, and services. Completing the course will enable learners to obtain National Certification level II for TESDA's Qualification Tourism Promotion, Travel Services and Local Guiding Services, opening pathways for career advancement in the tourism industry.

④ INDUSTRIAL ARTS (IA)

AUTOMOTIVE SERVICING AND CHASSIS REPAIR

This course is designed to provide learners with principles and skills for Automotive Servicing Chassis Repair and Driving, covering a range of topics. These include the Overview of Automotive Servicing Chassis Repair and Driving; Occupational Safety and Health (OSH) standards in Automotive Servicing Chassis Repair and Driving; Required Items used in Automotive Servicing Chassis Repair and Driving; Obeying Traffic Rules, Implementing Accident-Emergency Procedures, and Driving Light Vehicles for Driving; Pre-Delivery Inspections and Periodic Maintenance of the Engine, Drive Train, Brake System, Suspension System, and Steering System for Automotive Servicing; and Inspecting and Repairing Drive Lines, Diagnosing and Repairing the Clutch System, Brake System, Steering System, and Suspension System, and Diagnosing and Overhauling Manual Transmission/Transaxle and Differential for Automotive Servicing Chassis Repair. After completing the course, this will enable learners to obtain National Certification level I and II for the TESDA's Qualification Automotive Servicing and Driving, opening pathways for career advancement in the automotive industry.

④ INDUSTRIAL ARTS (IA)

AUTOMOTIVE SERVICING AND ELECTRICAL REPAIR

This course is designed to provide learners with principles and skills for Automotive Servicing Electrical Repair and Driving, covering a range of topics. These include the Overview of Automotive Servicing Electrical Repair and Driving; Occupational Safety and Health (OSH) standards in Automotive Servicing Electrical Repair and Driving; Required Items used in Automotive Servicing Electrical Repair and Driving; Obeying Traffic Rules, Implementing Accident-Emergency Procedures, and Driving Light Vehicles for Driving; Pre-Delivery Inspections and Periodic Maintenance of the Engine, Drive Train, Brake System, Suspension System, and Steering System for Automotive Servicing; and Diagnose and Repair Car Air-Conditioning Electrical Systems, Ignition Systems, Starting Systems, Charging Systems, and Body Electrical Systems for Automotive Servicing Electrical Repair. After completing the course, this will enable learners to obtain National Certification level I and II for the TESDA's Qualification Automotive Servicing and Driving, opening pathways for career advancement in the automotive industry.

④ INDUSTRIAL ARTS (IA)

AUTOMOTIVE SERVICING AND ENGINE REPAIR

This course is designed to provide learners with principles and skills for Automotive Engine Repair Servicing and Driving, covering a range of topics. These include the Overview of Automotive Servicing Engine Repair and Driving; Occupational Safety and Health (OSH) standards in Automotive Servicing Engine Repair and Driving; Required Items used in Automotive Servicing Engine Repair and Driving; Traffic Rules and Regulations, Accident-Emergency Procedures, and Driving Light Vehicles; Pre-Delivery Inspections and Periodic Maintenance of the Engine, Drive Train, Brake System, Suspension System, and Steering System; and Diagnose and Repair Engine Cooling and Lubrication Systems, Intake and Exhaust Systems, and Overhaul Engine Mechanical Systems. After completing the course, this will enable learners to obtain National Certification level I and II for the TESDA's Qualification Automotive Servicing and Driving, opening pathways for career advancement in the automotive industry.

④ INDUSTRIAL ARTS (IA)

ELECTRICAL SYSTEM INSTALLATION

This course is designed to provide learners with principles and skills for Electrical System Installation, covering both traditional and renewable energy industries.

The course provides comprehensive training on residential, commercial and industrial electrical installations, including wiring, circuit design, and repair according to the Philippine Electrical Code. Simultaneously, learners are introduced to renewable energy principles, with a focus on the design, installation, and maintenance of solar energy systems, aligning with the Philippines' growing emphasis on sustainability and renewable energy under the Renewable Energy Act of 2008 (RA 9513). After completing the course, this will enable learners to obtain National Certification Level II for the TESDA's Qualification Electrical Installation and Maintenance and Photovoltaic Systems Installation, opening pathways for career advancement in the building construction industry.

④ INDUSTRIAL ARTS (IA)

ELECTRONIC SYSTEM SERVICING

This course is designed to provide learners with principles and skills for Electronic Systems Servicing covering a range of topics. These includes assembling electronic products, servicing consumer electronic products and systems, servicing industrial electronic modules, products, and systems, as well as installing, configuring, and testing mechatronics and automation devices. Upon completion of the course, the learners can become industrial electronic technicians, audio-video technicians, home appliance service technicians, electronic product assemblers, electronic production line assemblers, mechatronics and automation technicians, or mechatronics and automation installers. After completing the course, this will enable learners to obtain National Certification Level II in Electronic Products Assembly and Servicing (EPAS) and/or National Certification in Mechatronics Servicing Level II, opening career pathways for career advancement in the Electronics industry.

④ INDUSTRIAL ARTS (IA)

FINISHING AND CONSTRUCTION CARPENTRY

This course equips learners with a thorough understanding of key concepts and principles in Finishing and Construction carpentry, providing them with the essential knowledge and skills needed for furniture and cabinet making (FCM), along with practical skills in wood surface finishing. The course also includes the construction of framing structures for doors, windows, and trims, as well as specialized skills for roofing, ceiling, flooring, and decking. Completing the course qualifies learners to obtain National Certification Level II in Finishing Carpentry and Level III in Construction Carpentry from TESDA.

MANUAL METAL ARC WELDING

This course is designed to equip learners with understanding, abilities, and ideas in Manual Metal Arc Welding (MMAW) following industry standards. This welding process is also known as Shielded Metal Arc Welding (SMAW). This will allow learners to be proficient in interpreting welding symbols by reading blueprints/plans and applying safety practices. It includes essential skills and knowledge in welding carbon steel plates and pipes in different welding positions. After completing the course, learners can obtain National Certification level I and II for the TESDA's Qualification Manual Metal Arc Welding, opening pathways for career advancement in the welding industry.

④ INDUSTRIAL ARTS (IA)

MOTORCYCLE AND SMALL ENGINE SERVICING

This course is designed to equip learners with understanding, abilities, and ideas in motorcycle/small engine servicing following industry standards. It includes essential skills like servicing engine systems, servicing electrical systems, servicing chassis, and overhauling motorcycle engines. Moreover, this course also offers Competency Standard for Motorcycle Driving Level II Qualification, which aims to provide learners with the opportunity to drive or operate a motorcycle. After completing the course learners can obtain Certificate of Training in Motorcycle Driving Level II and/or National Certificate II in Motorcycle/Small Engine Servicing.

REFRIGERATION AND AIR-CONDITIONING SERVICING

This course is designed to equip learners with the knowledge, skills, and attitudes essential in servicing refrigeration and air conditioning systems. The learner is expected to demonstrate proficiency in installing, maintaining, troubleshooting, and commissioning refrigeration and air conditioning, and commercial air conditioning units. Upon completion, the learners can pursue careers as RAC technicians, service engineers, and maintenance specialists, and they are ready for TESDA certification in two key areas: Domestic Refrigeration and Air Conditioning Level II and or Commercial Air Conditioning Servicing Installation Level III.

④ INDUSTRIAL ARTS (IA)

RESIDENTIAL CONSTRUCTION

This course covers combining theoretical knowledge with hands-on experience to equip students with the essential skills required to work on residential construction projects, focusing on the practical aspects of each trade. It covers the necessary procedures for site preparations, concrete reinforcements, formworks, concrete preparations, plumbing lay-out as well as installation, and tile setting. This will also allow learners to be proficient in reading blueprints, interpreting plumbing symbols, material estimates and applying safety practices. All competencies are based on industry standards and geared towards fostering critical thinking, problem-solving, and innovation, with emphasis on producing job-ready, entrepreneurial spirited and competent graduates. After completing the course, this will enable learners to obtain National Certification level II for Masonry and Tile setting, National Certification level I for Plumbing, opening pathways for career advancement in the Industrial Arts industry.

④ INDUSTRIAL ARTS (IA)

TECHNICAL DRAFTING

This course is designed to equip learners with the skills, knowledge, and attitude needed to produce precise illustrations across traditional and digital media. It covers the development of drawing techniques to represent objects and concepts, utilizing various tools and software for creating high-quality illustrations. Upon completion of the course, learners will be prepared to enter higher education and to take the National Certification Level II in Illustration from Technical Education and Skills Development Authority. Additionally, this course opens a wide range of future business opportunities, including employment as an illustrator, graphic designer, or freelance artist, offering services such as custom illustration, art commissions, and graphic design. Furthermore, they can create illustration products leveraging their skills in various creative and entrepreneurial ways.

Annex B: List of Academic Electives and TechPro Electives with Description

WORK IMMERSION (IN-CAMPUS AND OFF-CAMPUS)

Work Immersion is a subject where learners are exposed to and become familiar with work-related environments related to their field of specialization for readiness and self-improvement. Through both in-campus and off-campus immersion experiences, learners will not only apply their academic learning but also develop the essential soft skills and industry-specific expertise necessary for future success. Specifically, the learners are able to: (i) gain relevant and practical industrial skills under the guidance of industry experts and workers; (ii) appreciate the importance and application of the principles and theories taught in school; (iii) enhance their technical knowledge and skills; (iv) enrich their skills in communications and human relations; and (v) develop good work habits, attitudes, appreciation, and respect for work.