



OCT 10 2007

DepED MEMORANDUM

No. **408**, s. 2007

**PILOT IMPLEMENTATION OF THE CAREER PATHWAYS IN TECHNOLOGY
AND LIVELIHOOD EDUCATION (TLE) FOR GENERAL HIGH SCHOOLS**

To: Regional Directors
Schools Division/City Superintendents
Heads, Selected Public Secondary Schools

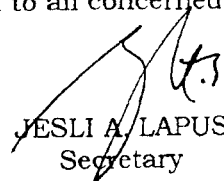
1. This Department, through the Bureau of Secondary Education (BSE) is pilot testing in 89 general high schools and the 22 RSEC pilot schools nationwide beginning School Year 2007-2008 an enriched Technology and Livelihood Education (TLE) program.

2. The objective of the program is to provide the students opportunities for livelihood skills development and possible career options after high school. It also provides practical and relevant course offerings that are responsive to individual and community needs as well as work experiences for students to be economically productive.

3. For purposes of school modeling, the pilot schools are advised to strictly implement the specific component areas they were trained in (Enclosure No. 1) and follow implementing guidelines (Enclosure No. 2). The career pathways (Enclosure No. 3) in each component area of TLE shall serve as basis in the offering of livelihood activities/skills. Pilot schools are also advised to send to the Bureau a quarterly progress report (Enclosure No. 4) on the implementation of the program in school.

4. For inquiries, please contact Mr. Alberto B. Dumo, Education Program Specialist II, BSE, DepED Central Office, Meralco Avenue, Pasig City at telefax nos. (02) 633-7242 and/or (02) 632-7746.

5. Immediate dissemination of this Memorandum to all concerned is desired.


JESLI A. LAPUS
Secretary

Encls.: As stated

Reference: None

Allotment: 1- -(D.O. 50-97)

To be indicated in the Perpetual Index
under the following subjects:

Learning Area, TECHNOLOGY AND LIVELIHOOD EDUCATION
PROGRAMS
STUDENTS

Pilot Schools in the Enriched Technology and Livelihood Education (TLE)

Region	No.	School	Address	Division	Courses Offered
I	1	Narvacan NCHS	Narvacan	Ilocos Sur	Fish Production Foods and Food Service
	2	Dagupan City NHS	Tapuac District	Dagupan City	ICT Civil Technology
	3	Urdaneta City NHS	San Vicente West	Urdaneta City	ICT Electronics
	4	Candon NHS	Bagami Campo, Ilocos Sur	Candon City	ICT Electricity
	5	Macarang NHS	Macarang, Magatarem	Pangasinan I	ICT
	6	Pagudpud NHS	Poblacion 2, Pagudpud	Ilocos Norte	Fish Production Foods and Food Service
	7	Bolinao School of Fisheries	Bolinao	Pangasinan I	Fish Production
	8	Calasiao Comprehensive NHS	Malong St., Calasiao	Pangasinan I	Clothing and Textiles Foods and Food Service
	9	Don Ramon F. Costales MNHS	Villasis	Pangasinan II	Foods and Food Service Plant Production
	10	Mangaldan NHS*	P. de Guzman St.	Pangasinan II	Foods and Food Service ICT Civil Technology
	11	Ilocos Norte NHS*	Brgy. 4, Ablan Ave.	Laoag City	ICT Electronics
II	12	Camalaniugan NHS	Camalaniugan	Cagayan	Plant Production Clothing and Textiles
	13	Cagayan NHS	Tuguegarao City	Tuguegarao City	Automotive
	14	Alicia NHS	Paddad, Alicia	Isabela	ICT Electricity
	15	Licerio Antiporda HS	Centro, Buguey	Cagayan	Fish Production Handicrafts (HE)
	16	Isabela NHS*	Ilagan	Isabela	Plant Production Foods and Food Service
	17	Quirino General HS	Zamora, Cabarroguis	Quirino	Home Mgt. Business Foods and Food Service
	III	18	Muñoz NHS	Science City of Muñoz	Muñoz
19		Constancio Padilla NHS	San Jose City	Nueva Ecija	Foods and Food Service Handicraft (HE)
20		Guisguis HS	Guisguis, Sta. Cruz	Zambales	Foods and Food Service ICT
21		Limay NHS	Duale, Limay, Bataan	Bataan	ICT Metalworks
22		Sapang Palay NHS	Fatima, Area E., Bulacan	SJDM City	Drafting Civil Technology

* - RSEC Pilot School

Region	No.	School	Address	Division	Courses Offered
III	23	Tarlac NHS	San Roque, Tarlac City	Tarlac	Drafting Civil Technology
	24	Sto. Tomas NHS	Sasmuan, Pampanga	Pampanga	Metalworks
	25	Mexico HS	Mexico, Pampanga	Pampanga	Electronics
	26	Angeles City Nat'l Trade Sch.*	Friendship Hi-way, Cutcut	Angeles City	ICT Drafting
IV-A	27	Dasmarinas NHS	Dasmarinas	Cavite	Clothing and Textiles Foods and Food Service
	28	Antipolo NHS	Brgy. Sta. Cruz	Antipolo City	Clothing and Textiles Beauty Care
	29	San Pablo City NHS	Lakeside Park Subd.	San Pablo City	Clothing and Textiles Foods and Food Service
	30	San Jose NHS	P. Banal, Brgy. San Jose	Antipolo City	Automotive
	31	Mayamot NHS	Rose St., Green Heights	Antipolo City	Electronics
	32	Quezon NHS*	Iyam, Lucena City	Lucena City	ICT Drafting
IV-B	33	Nabuslot NHS	Nabuslot, Pinamalayan	Oriental Mindoro	Plant Production Foods and Food Service
	34	Looc NHS	Poblacion, Looc	Romblon	Plant Production Foods and Food Service
	35	Canubing NHS	Canubing, Calapan City	Oriental Mindoro	Fish Production Plant Production
	36	Marinduque NHS	Boac	Marinduque	Foods and Food Service Beauty Care
	37	Lubang Integrated School	Araw at Bituin, Lubang	Occ. Mindoro	Foods and Food Service Drafting
	38	Jose J. Leido Jr. MNHS*	San Vicente East	Calapan City	Foods and Food Service ICT
V	39	Perpetual Help HS	Iriga City	Iriga City	Plant Production
	40	Gubat NHS	Bonifacio St., Gubat	Sorsogon	Animal Production Foods and Food Service
	41	Nabua NHS	San Miguel, Nabua	Camarines Sur	Plant Production Clothing and Textiles
	42	Marcial O. Rañola Mem. School	San Francisco, Guinobatan	Albay	Electronics Automotive
	43	Ligao NHS	Guilid, Ligao City	Ligao City	Civil Technology
	44	Camarines Sur NHS	Peñafrancia Ave., Naga	Naga City	ICT Electronics
	45	Catanduanes NHS	Santa Elena, Virac	Catanduanes	Civil Technology Electronics
	46	Masbate NCHS*	Airport Rd., Masbate City	Masbate	Electronics Handicrafts (IA)
	47	Tabaco NHS*	Tabaco City	Tabaco City	Civil Technology ICT

* - RSEC Pilot School

Region	No.	School	Address	Division	Courses Offered
VI	48	Alimodian NCHS	Alibango St., Alimodian	Iloilo	Plant Production Clothing and Textiles
	49	Roberto A. Tirol HS	Iloilo	Iloilo	Fish Production
	50	Dingle NCHS	Licuan, Dingle	Iloilo	Fish Production Foods and Food Service
	51	Nueva Valencia NHS*	Pob., Nueva Valencia	Guimaras	Foods and Food Service Handicrafts (HE)
	52	Batad NHS	Batad Viejo, Batad	Iloilo	Clothing and Textiles Foods and Food Service
	53	Altavas National School	Altavas	Aklan	Beauty Care Drafting/ICT
	54	Calinog NHS	Brgy. Simsiman, Calinog	Iloilo	Electricity ICT
	55	Cabatuan NCHS	Cabatuan, Iloilo	Iloilo	ICT Automotive
	56	Miag-ao NHS	Miag-ao, Iloilo	Iloilo	Handicrafts (IA) Electricity
	57	Duenas GCHS	Duenas, Iloilo	Iloilo	Civil Technology ICT
	58	Passi NHS	Dorillo St., Passi City	Passi City	ICT Drafting Civil Technology
	59	Sta. Barbara NCHS*	Sta. Barbara, Iloilo	Iloilo	Civil Technology Drafting
	VII	60	Alicia HS	Poblacion, Alicia	Bohol
61		Awihan NHS	Toledo City	Toledo City	Plant Production Home Mgt. Business
62		Beatriz D. Duariano MNHS	P. G. Almendras St. Danao City	Danao City	Foods and Food Service Handicrafts (HE)
63		Abellana NHS	Osmeña Boulevard	Cebu City	ICT RAC
64		Daanbantayan NHS	Pob. Daan Bantayan, Cebu	Cebu Province	ICT Handicrafts (IA)
65		Valencia HS	Pob., Valencia, Bohol	Bohol	Drafting Electricity
66		Negros Oriental HS	Kagawasan Ave., Daro	Oriental Negros	ICT RAC
67		Buanoy NHS	Buanoy, Balmban, Cebu	Cebu Province	Electricity ICT
68		Marigondon NHS	Marigondon, Lapu-Lapu City	Lapu-Lapu City	ICT Electronics
69		Cebu City NSHS*	Labangon, Cebu City	Cebu City	ICT
70		Dr. Cecilia Putong NHS*	North Ave., Tagbilaran City	Tagbilaran City	ICT Drafting

* - RSEC Pilot School

Region	No.	School	Address	Division	Courses Offered
VIII	71	Lalawigan NHS	Lalawigan, Borongan	Eastern Samar	Foods and Food Service Home Mgt. Business
	72	Catarman NHS	Dalakit, Catarman	Northern Samar	Clothing and Textiles Beauty Care
	73	Sogod NHS	Zone 1, Sogod, So. Leyte	Southern Leyte	Electricity Drafting
	74	Babatngon NHS	Babatngon, Leyte	Leyte	ICT
IX	75	Zambo City NHS-Main	Don Alfonso St., Tetuan	Zamboanga City	Beauty Care Home Care and Support Service
	76	Zamboanga del Norte NHS	Gen. Luna St., Estara	Dipolog City	ICT
	77	Zamboanga del Sur NHS	Pagadian City	Pagadian City	Metalworks Automotive
	78	Ayala NHS*	Ayala, Zambo. City	Zamboanga City	ICT
X	79	Lanao del Norte NCHS	Baroy, Lanao del Norte	Lanao del Norte	Plant Production Animal Production
	80	Valencia NHS*	Valencia City	Valencia City	Foods and Food Service ICT/Drafting
	81	Cagayan de Oro NCHS	Nazareth	Cag. de Oro City	Clothing and Textiles Beauty Care
	82	Bukidnon NHS	Malaybalay City	Bukidnon	Metalworks Handicraft (IA)
	83	Gingoog City Comp. NHS	Mercado Avenue	Gingoog City	Electricity Metalworks
	84	Camiguin NHS	Looc, Catarman, Camiguin	Camiguin	ICT Drafting
	85	Misamis Occidental NHS	Oroquieta City	Oroquieta City	ICT Handicrafts (IA)
	86	Clarin NHS	Pob. 3, Clarin, Misamis Occ	Misamis Occ.	ICT Drafting Electricity
	87	Tangub City NHS	Mantic, Tangub City	Tangub City	ICT Electronics
XI	88	Mati NCHS	Barrio Sainz, Mati	Davao Oriental	Animal Production
	89	Nabunturan NCH	Nabunturan	Compostela Valley	Plant Crop Production
	90	Davao City NHS	F. Torres St.	Davao City	Health Care and Support Service Beauty Care
	91	Digos City NHS*	Rizal Ave., Digos City	Digos City	ICT Handicrafts (IA)
	92	Daniel R. Aguinaldo NHS*	Sto. Niño, Matina, Dvo City	Davao City	Drafting ICT
XII	93	Esperanza NHS	Esperanza	Sultan Kudarat	Plant Production Foods and Food Service
	94	Malasila NHS	Malasila, Makilala	Cotabato	Plant Production Foods and Food Service

* - RSEC Pilot School

Region	No.	School	Address	Division	Courses Offered
XII	95	Pigcawayan NHS*	Pigcawayan, Cotabato	Cotabato	Plant Production Foods and Food Service
	96	Koronadal NCHS	Koronadal City	Koronadal City	Foods and Food Service Electronics
	97	New Society NHS*	Sinawal, GenSan City	Gen. Santos City	ICT Civil Technology
	98	General Santos City NHS	Calumpang, GenSan City	Gen. Santos City	ICT Electronics
CARAGA	99	Agusan del Sur NHS	Brgy. San Francisco Agusan del Sur	Agusan del Sur	Plant Production Home Mgt. Business
	100	Agusan National High School	A. D. Curato St. Butuan City	Butuan City	Beauty Care Clothing and Textiles
	101	Surigao del Norte NHS	Surigao City	Surigao del Norte	Home Mgt. Business Beauty Care
	102	Surigao City NHS*	San Juan, Surigao City	Surigao City	ICT Electricity
NCR	103	Quirino High School	Molave St., Proj. 3 Quezon City	Quezon City	Foods and Food Service Clothing and Textiles
	104	Ramon Magsaysay Cubao HS*	Ermin Garcia St., Cubao Quezon City	Quezon City	Handicrafts (HE) ICT
	105	San Francisco HS	Misamis St., Bago Bantay Quezon City	Quezon City	Beauty Care Electronics
	106	Santolan High School	Santolan, Pasig City	Pasig/San Juan	Beauty Care
	107	Makati HS*	Gen. Luna St., Makati City	Makati City	Handicraft ICT
	108	Roxas NHS	Pres. Quirino Avenue Paco, Manila	Manila	Drafting Electronics
CAR	109	Twin Peaks NHS	Tuba, Benguet	Benguet	Plant Production
	110	Tublay School of Home Ind's	Acop, Tublay, Benguet	Benguet	Foods and Food Service Health Care and Support Service
	111	Pines City HS*	Palma St., Baguio City	Baguio City	Electricity ICT

89 - General High School

22 - RSEC Schools

* - RSEC Pilot School

**GUIDELINES ON THE PILOT IMPLEMENTATION OF THE CAREER
PATHWAYS IN TECHNOLOGY AND LIVELIHOOD EDUCATION (TLE)
PROGRAM FOR GENERAL HIGH SCHOOLS**

I. Program Description and Objectives

The Career Pathways in Technology and Livelihood Education (TLE) is designed to address the diverse livelihood needs of students and develop their talents and skills in setting up small household businesses, and prepare them for career paths and lifelong learning. The program is different from the current TLE curriculum as it provides students with an array of short term livelihood activities and entrepreneurial skills development in Agri-Fishery, Home Economics, Industrial Arts or ICT in all year levels.

For purposes of the pilot, schools shall offer initially the courses packaged in the component areas assigned to them.

General Objective:

To provide an enriched livelihood education that will prepare our graduates for the world of work and further education and training.

Specific Objectives:

At the end of the course in Technology and Livelihood Education (TLE), the students are expected to be able to:

- Acquire knowledge and develop livelihood and entrepreneurial skills;
- Assess themselves and their environment for entrepreneurial opportunities;
- Identify risks and opportunities in business;
- Plan and develop their own business; and
- Set up their business in their area of interest.

II. Course Offerings, Grading System, Promotion and Retention

For general high schools involved in the First Year pilot, the program shall adopt the 2002 Basic Education Curriculum for the secondary level including the time allotment and unit credits. The policies on grading system, promotion and retention as applied in BEC shall also be adopted. For RSEC pilot schools, the enriched TLE program shall be pilot tested alongside RSEC.

The enriched TLE program is re-structured into short term livelihood activities and entrepreneurial skills that, with the exception of some activities, may be completed by quarter by year level in the areas of Agriculture/Fishery Arts, Industrial Arts, Home Economics and Information and Communication Technology.

III. Management of the Program

1. The program shall be implemented in the First Year level in the identified general high schools and in the First and Second Year level in RSEC high schools (Enclosure 1) beginning this school year 2007-2008 and shall be implemented successively in the next year levels.
2. The school heads/TLE head teachers and Division/Regional TLE supervisors shall implement the action plans that were developed and revised during the training held for this purpose. The pilot classes should be handled by teachers who attended the training.
3. The school head in consultation with stakeholders shall enrich the course offerings based on environmental scanning, school/community resource capabilities, community needs and livelihood opportunities. Any enrichment or modification should be documented, copy furnished the Bureau of Secondary Education (BSE).
4. In consonance with school-based management, the program implementers in collaboration with their stakeholders shall undertake resource mobilization through networking with relevant government (e.g. TESDA, DTI) and non-government organizations.
5. School officials, parents and stakeholders are encouraged to organize on-the-job training program with government and private industries/livelihood enterprises that can be part of the class schedule. This activity provides the students the opportunity to improve and hone their school acquired skills into an industry-base skills.

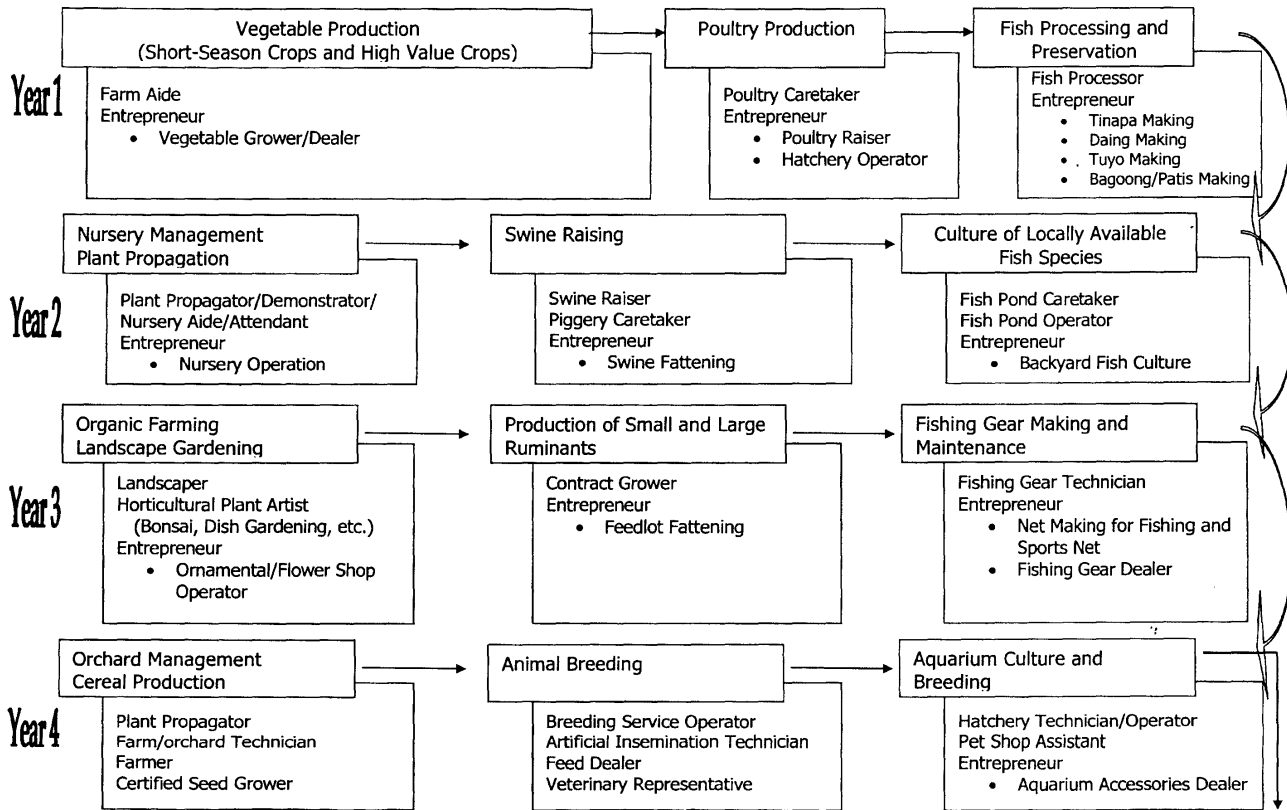
IV. Monitoring, Evaluation and Reporting

1. A report on the number of students who availed and completed the program, including their courses shall be submitted to the concerned division/regional offices, copy furnished the Bureau of Secondary Education (BSE). The usual thru-channel report on accomplishment shall be submitted every quarter.
2. For quality assurance and sustainable implementation of the program, the division and regional offices are enjoined to regularly keep track of the school's progress, and evaluate learning outcomes, respectively, consistent with their mandate as prescribed in RA 9155.

V. Skills Certification

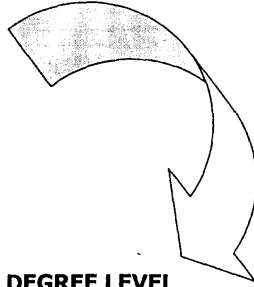
A student at any year level who satisfactorily passed short term livelihood course in the TLE program shall be awarded a certificate of competency if he/she passes the skill certification test to be conducted by the Technical Education and Skills Development Authority (TESDA). The preparation of the student for the test (registration, etc) shall be the responsibility of the TLE department head and TLE division supervisor.

**CAREER PATHWAYS in TECHNOLOGY AND LIVELIHOOD EDUCATION
AGRICULTURE AND FISHERY TECHNOLOGY**



CERTIFICATE LEVEL

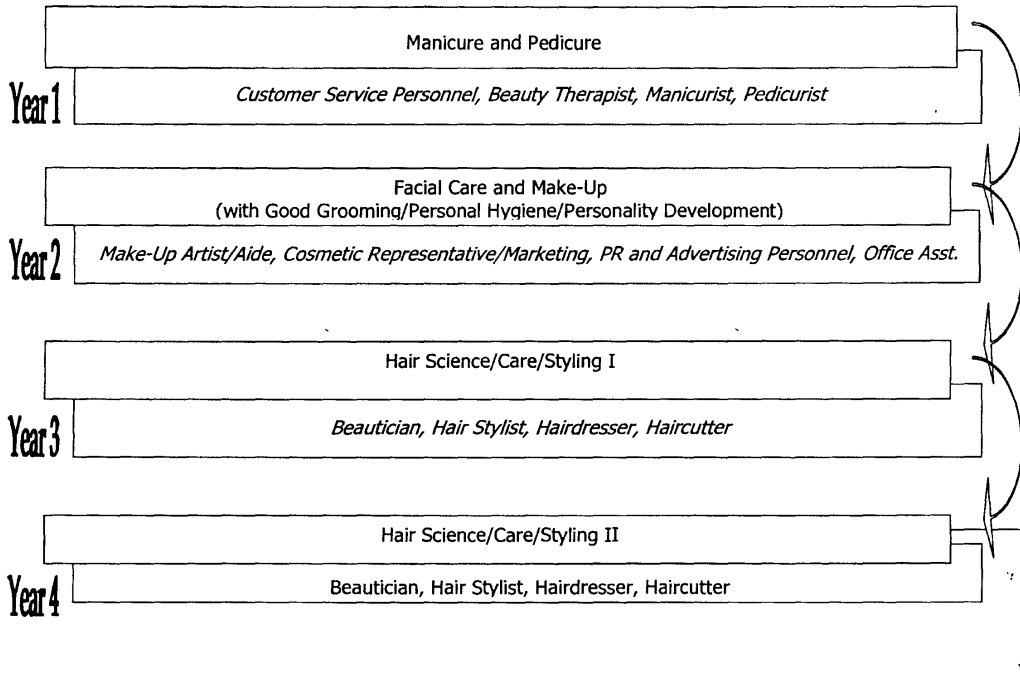
1. Animal Production NC II
2. Horticulture NC II
3. Horticulture NC III
4. Agricultural Crops Production NC II
5. Food Processing NC II
6. Fish Capture NC I
7. Aquaculture NC II



DEGREE LEVEL

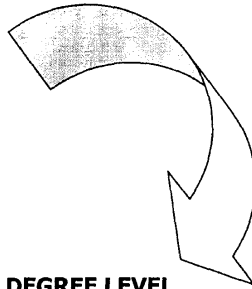
1. B.S. Agriculture
2. B.S. Agricultural Education
3. B.S. Agribusiness
4. B.S. in Agricultural Technology
5. B.S. in Inland Fisheries
6. B.S. in Fishery Education
7. B.S. in Food Technology
8. B.S. in Industrial Technology

CAREER PATHWAYS in TECHNOLOGY AND LIVELIHOOD EDUCATION
HOME TECHNOLOGY
BEAUTY CARE



CERTIFICATE LEVEL

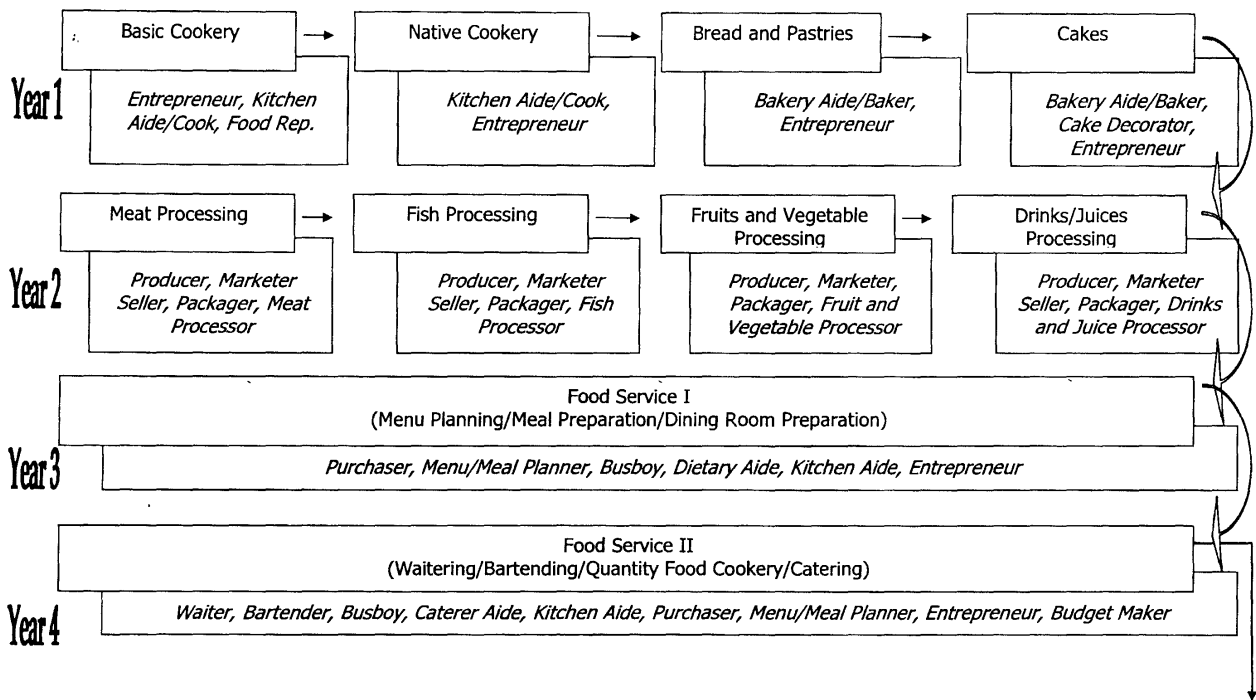
1. Beauty Care NC II/ NC III
2. Hairdressing NC II/ NC III
3. Massage Therapy NC II



DEGREE LEVEL

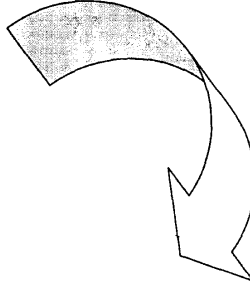
1. B.S. Medicine
2. B.S. Physical Therapy

CAREER PATHWAYS in TECHNOLOGY AND LIVELIHOOD EDUCATION
HOME TECHNOLOGY
FOODS AND FOOD SERVICES



CERTIFICATE LEVEL

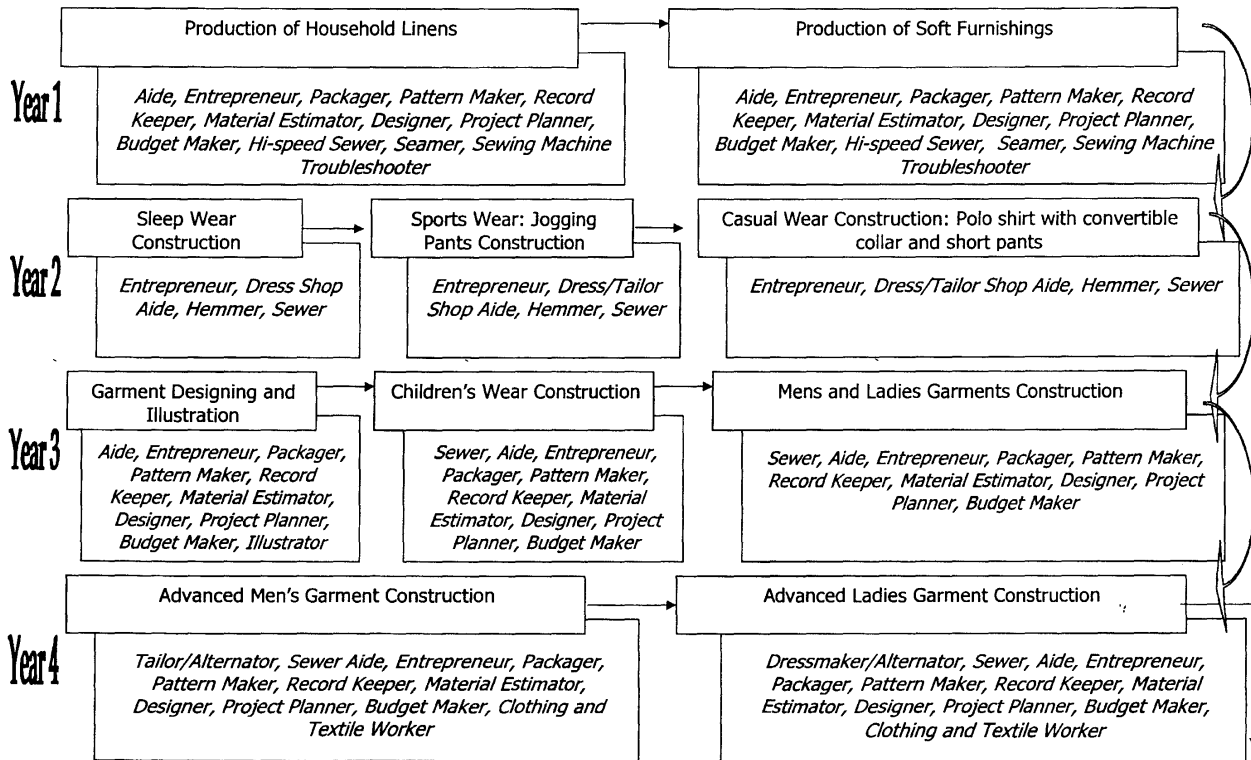
1. Bartending NC II
2. Housekeeping NC II
3. Household Services NC II
4. Food and Beverage Services NC II
5. Baking/Pastry Production NC II
6. Food Processing NC II



DEGREE LEVEL

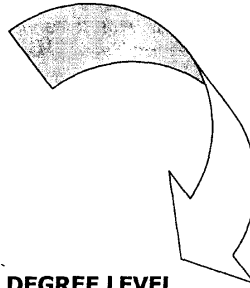
1. B.S. Food Technology
2. B.S. Food and Nutrition
3. B.S. Hotel and Restaurant Management
4. B.S. Nutrition and Dietetics
5. B.S. Agriculture
6. B.S. Education

CAREER PATHWAYS in TECHNOLOGY AND LIVELIHOOD EDUCATION
HOME TECHNOLOGY
CLOTHING AND TEXTILES



CERTIFICATE LEVEL

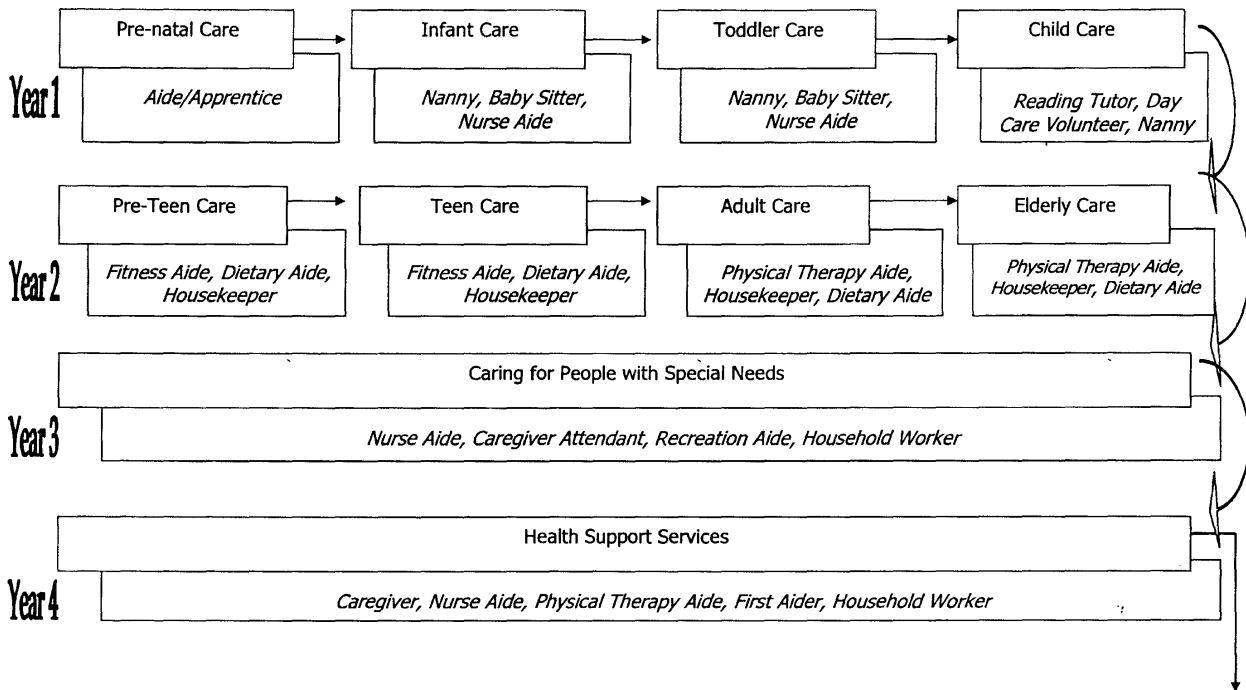
- 1. Dressmaking NC II
- 2. Tailoring NC II



DEGREE LEVEL

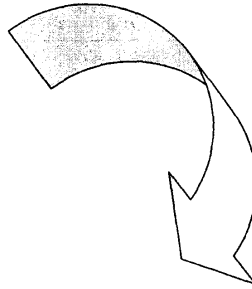
- 1. B.S. Clothing Technology
- 2. B.S. Industrial Education
- 3. B.S. Garment Technology

CAREER PATHWAYS in TECHNOLOGY AND LIVELIHOOD EDUCATION
HOME TECHNOLOGY
HEALTH CARE AND SUPPORT SERVICES



CERTIFICATE LEVEL

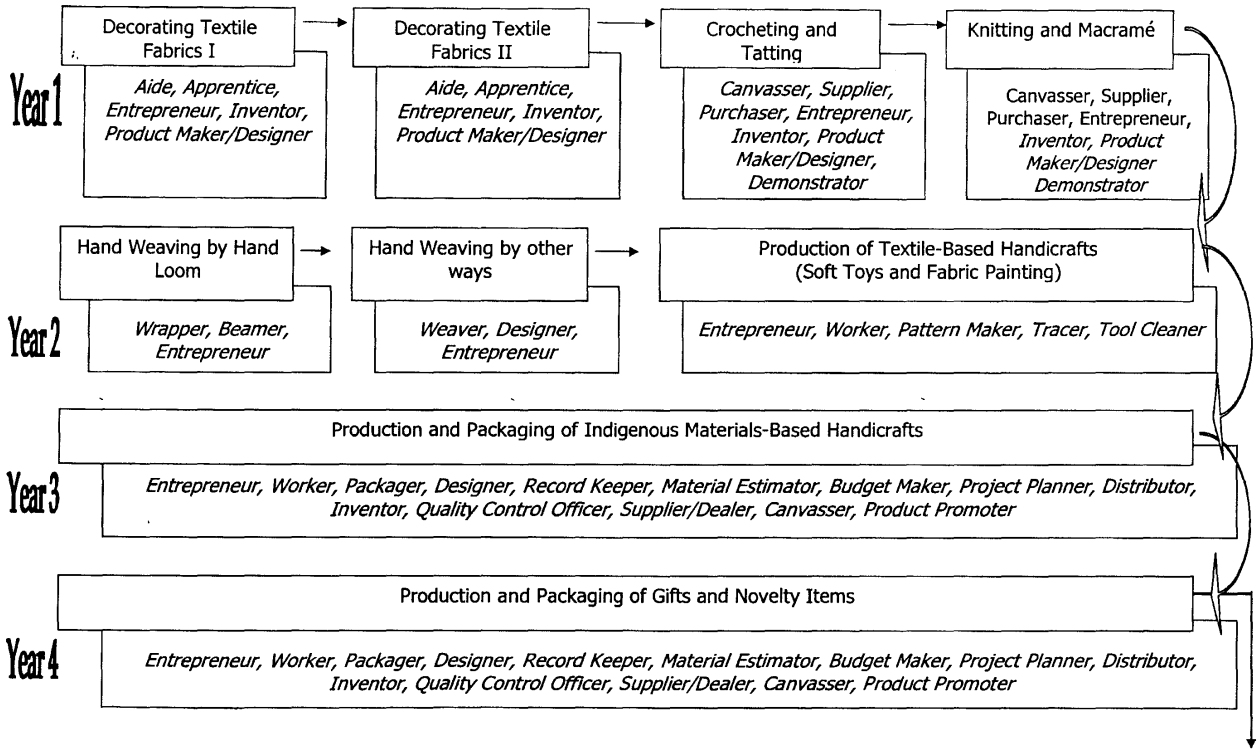
1. Caregiving NC II
2. Emergency Medical Services NC II
3. Barangay Health Services
4. Household Service Work NC II



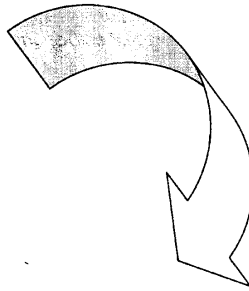
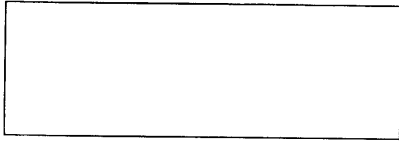
DEGREE LEVEL

1. B.S. Education
(Major in Early Child Dev't.)
(Major in SPED)
2. B.S. Nursing
3. B.S. Psychology
4. B.S. Social Work
5. B.S. Family Life and Child Development
6. B.S. Physical Therapy
7. B.S. Midwifery
8. B.S. Nutrition and Dietetics

**CAREER PATHWAYS in TECHNOLOGY AND LIVELIHOOD EDUCATION
HOME TECHNOLOGY
HANDICRAFTS**



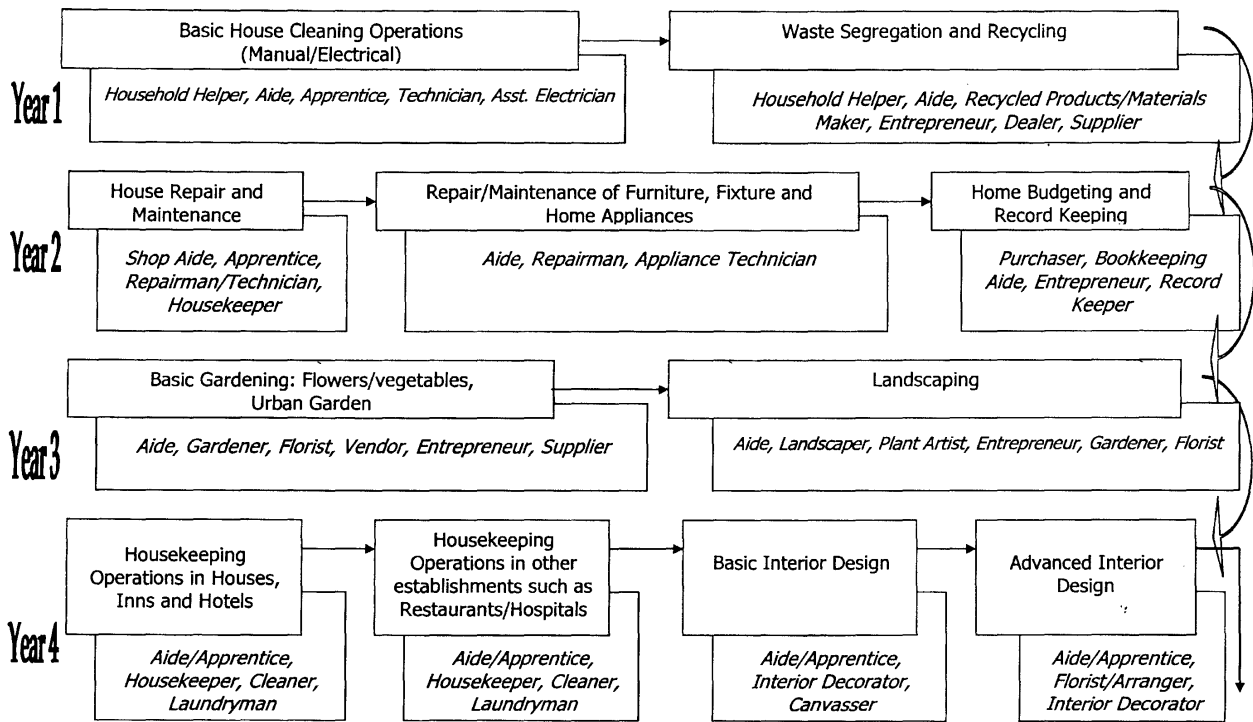
CERTIFICATE LEVEL



DEGREE LEVEL

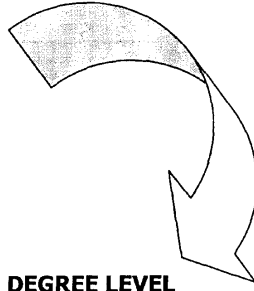
1. B.S. Industrial Education
2. B.S. Entrepreneurship
3. B.S. Business Management
4. B.S. Commerce

CAREER PATHWAYS in TECHNOLOGY AND LIVELIHOOD EDUCATION
HOME TECHNOLOGY
HOME MANAGEMENT BUSINESS



CERTIFICATE LEVEL

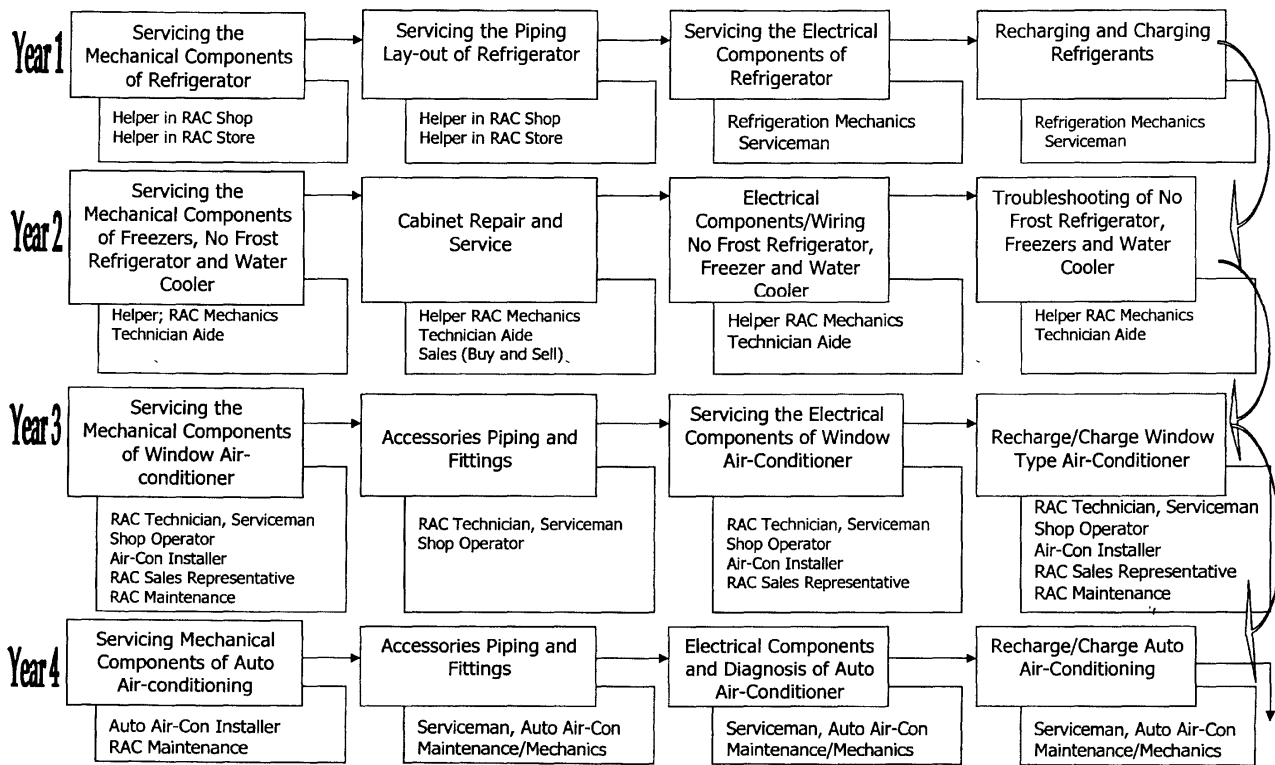
- 1. Housekeeping NC II
- 2. Household Service NC II



DEGREE LEVEL

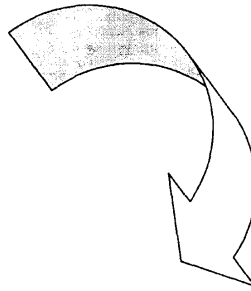
- 1. B.S. Education
- 2. B.S. Home Economics
- 3. B.S. Industrial Art
- 4. B.S. Electrical Engineering
- 5. B.S. Sanitary Engineering
- 6. B.S. Hotel and Insitution
- 7. B.S. Agriculture
- 8. B.S. Interior Design
- 9. B.S. Landscape Architecture
- 10. Entrepreneurship

**CAREER PATHWAYS in TECHNOLOGY AND LIVELIHOOD EDUCATION
INDUSTRIAL ARTS
REFRIGERATION AND AIR-CONDITIONING (RAC)**



CERTIFICATE PROGRAM

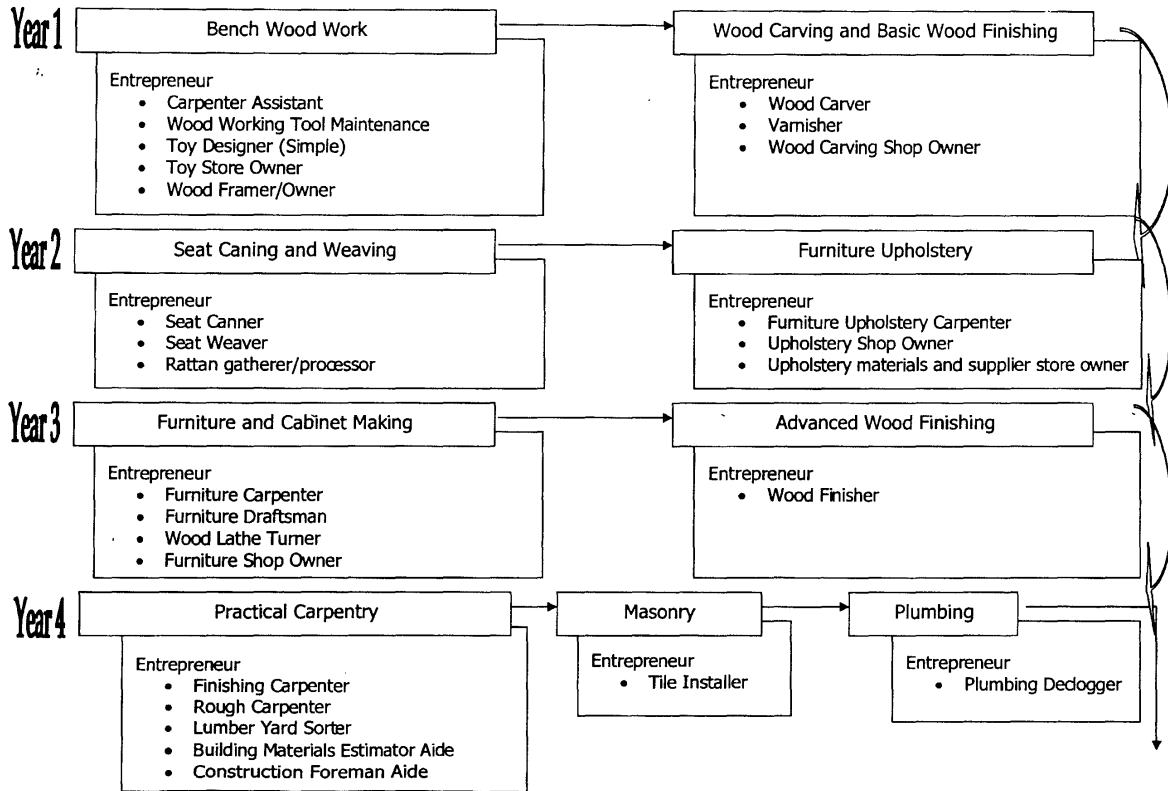
1. Refrigerator and Air-Conditioning Technology



DEGREE LEVEL

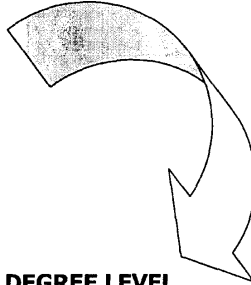
1. B.S. in Industrial Technology
2. B.S. in Industrial Education
3. B.S. Mechanical Engineer (Major in RAC)

CAREER PATHWAYS in TECHNOLOGY AND LIVELIHOOD EDUCATION
INDUSTRIAL ARTS
CIVIL TECHNOLOGY



CERTIFICATE LEVEL

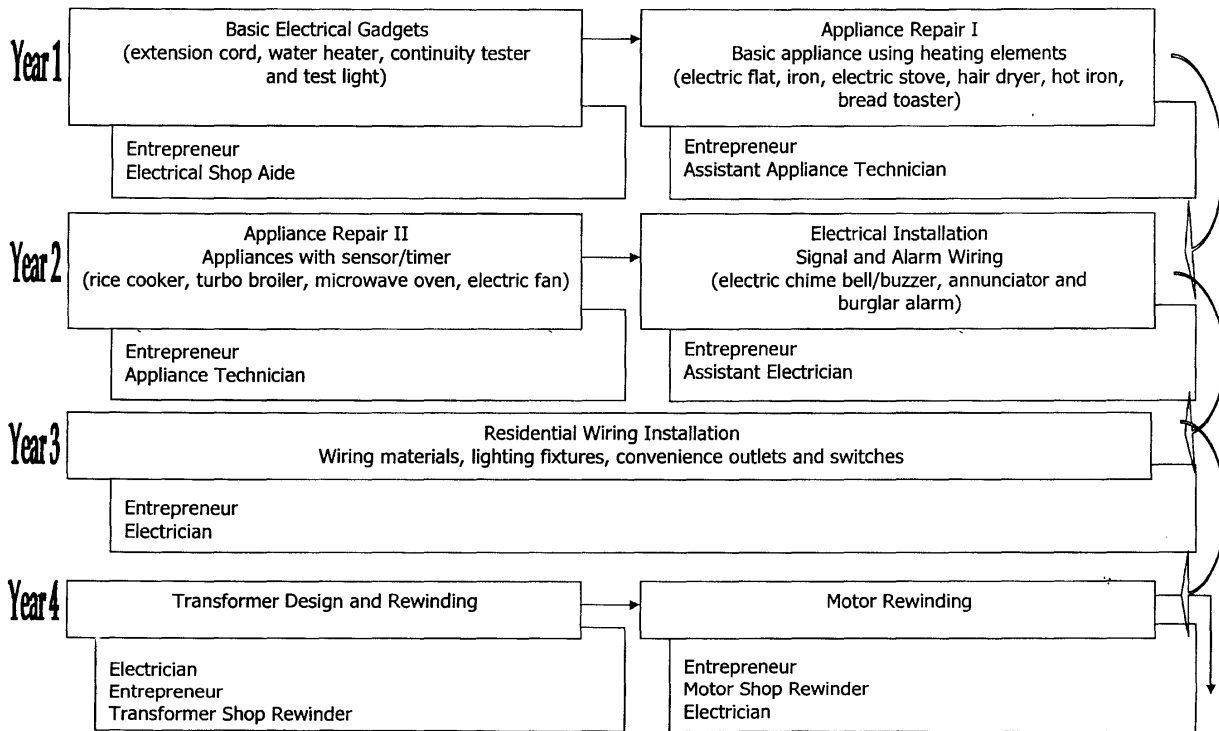
1. Carpentry NC I
2. Carpentry NC II
3. Construction Painter NC I
4. Construction Painter NC II
5. Construction Painter NC III
6. Masonary NC I
7. Masonary NC II
8. Mansonary NC III
9. Plumbing NC I
10. Plumbing NC II



DEGREE LEVEL

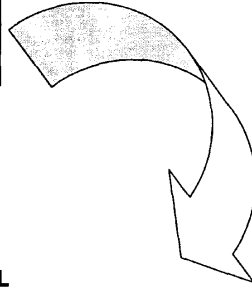
1. BSIE – Technical Furniture and Cabinet Making
2. BSIE – Building Construction Technology
3. BSIE – Drafting Technology
4. BSCE – Civil Engineering

CAREER PATHWAYS in TECHNOLOGY AND LIVELIHOOD EDUCATION
INDUSTRIAL ARTS
ELECTRICAL TECHNOLOGY



CERTIFICATE LEVEL

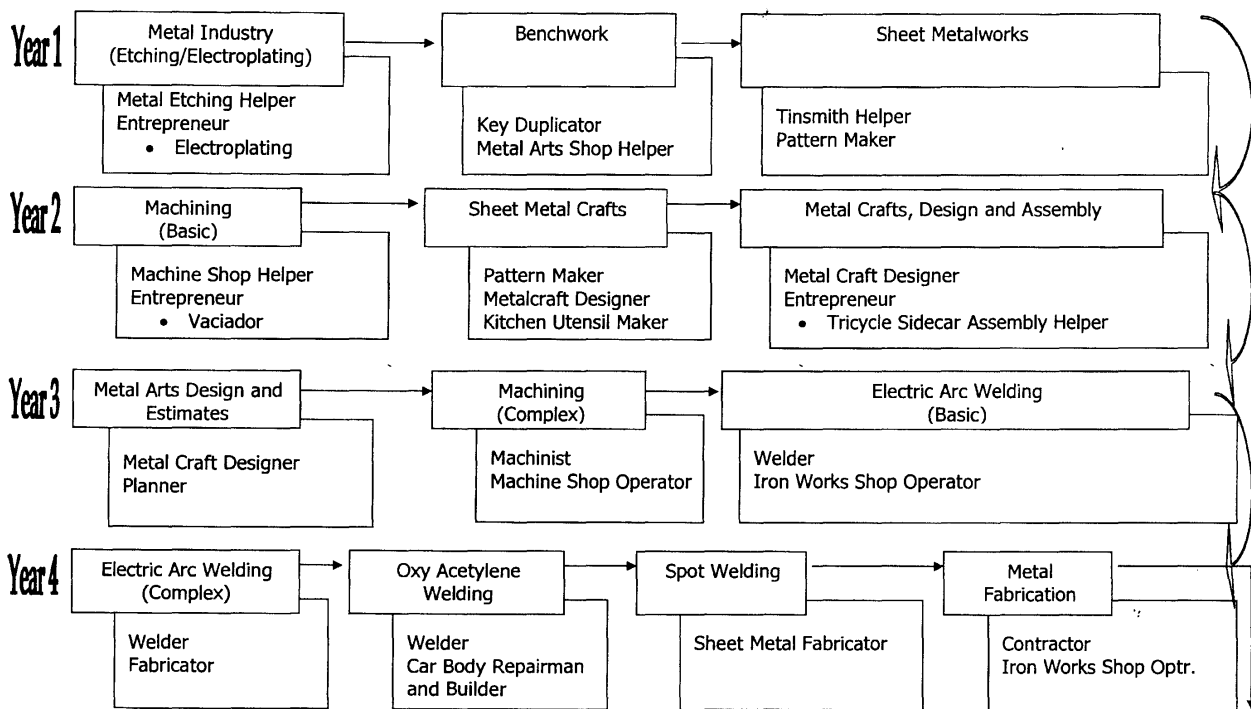
1. Building Wiring Installation NC II



DEGREE LEVEL

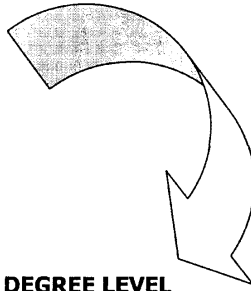
1. BSIT Electrical Technology
2. BSIE Electrical Technology
3. BSEE

CAREER PATHWAYS in TECHNOLOGY AND LIVELIHOOD EDUCATION
INDUSTRIAL ARTS
METALWORKS



CERTIFICATE LEVEL

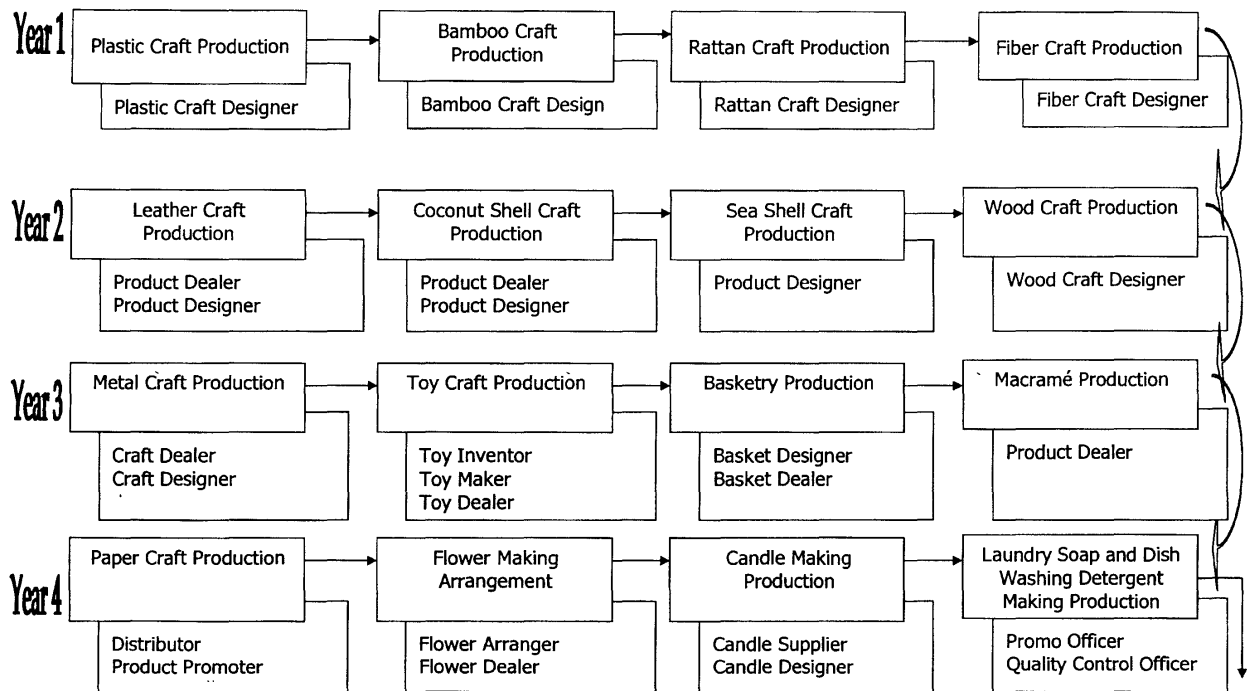
1. Machining NC I
 - Perform Bench Work (Basic)
 - Turn Workpiece (Basic)
 - Grind Workpiece (Basic)
2. Shield and Metal Arc Welding (SMAW) NC I



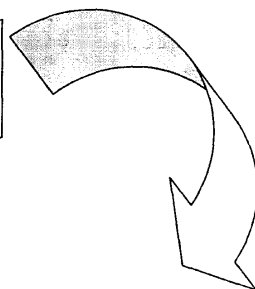
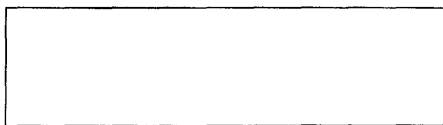
DEGREE LEVEL

1. B.S. I.E Machine Shop
2. BSCE-Structural Engineer
3. B.S.I.T. – Metal Technology

**CAREER PATHWAYS in TECHNOLOGY AND LIVELIHOOD EDUCATION
INDUSTRIAL ARTS
HANDICRAFTS**



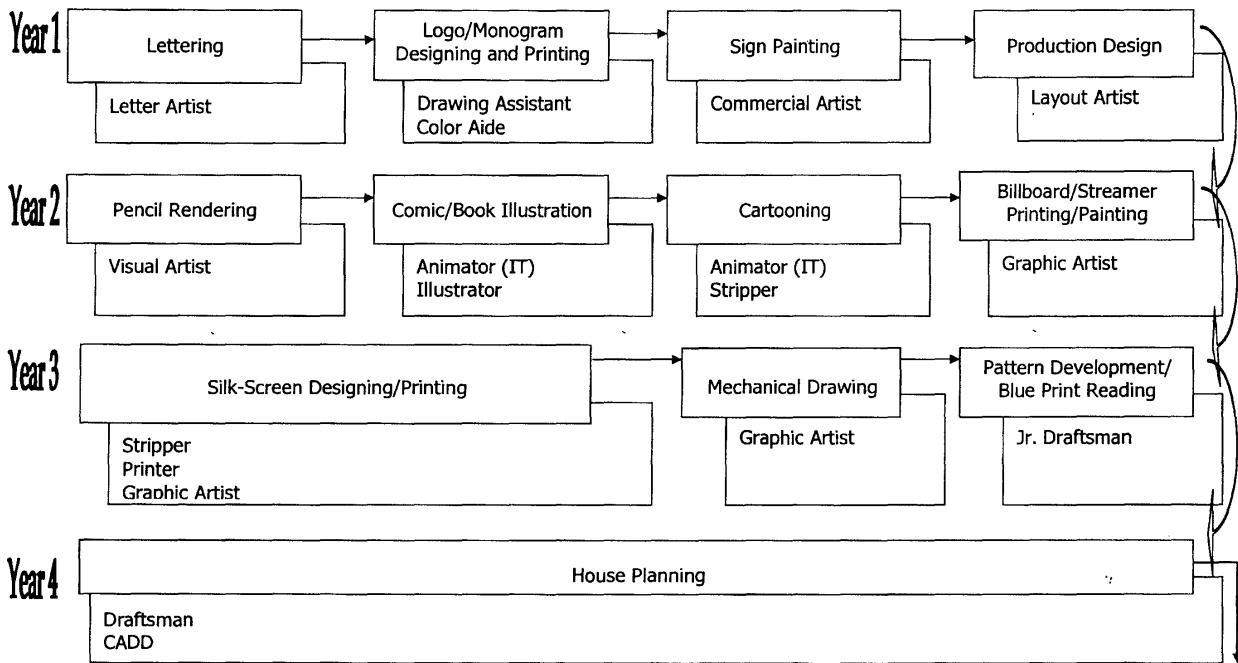
CERTIFICATE LEVEL



DEGREE LEVEL

1. B.S. Management
2. B.S. Industrial Education
3. B.S. Chemical Engineering
4. Chemist

CAREER PATHWAYS in TECHNOLOGY AND LIVELIHOOD EDUCATION
INDUSTRIAL ARTS
DRAFTING TECHNOLOGY

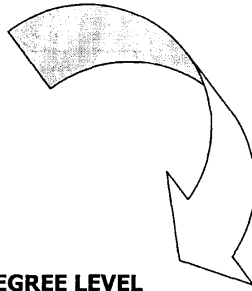


DEGREE LEVEL

1. B.S. in Civil Engineering
2. B.S. in Mechanical Engineering
3. B.S. in Structural Engineering
4. B.S. in Industrial Engineering
5. B.S. Architecture
6. B.S. Fine Art in Advertising

CERTIFICATE LEVEL

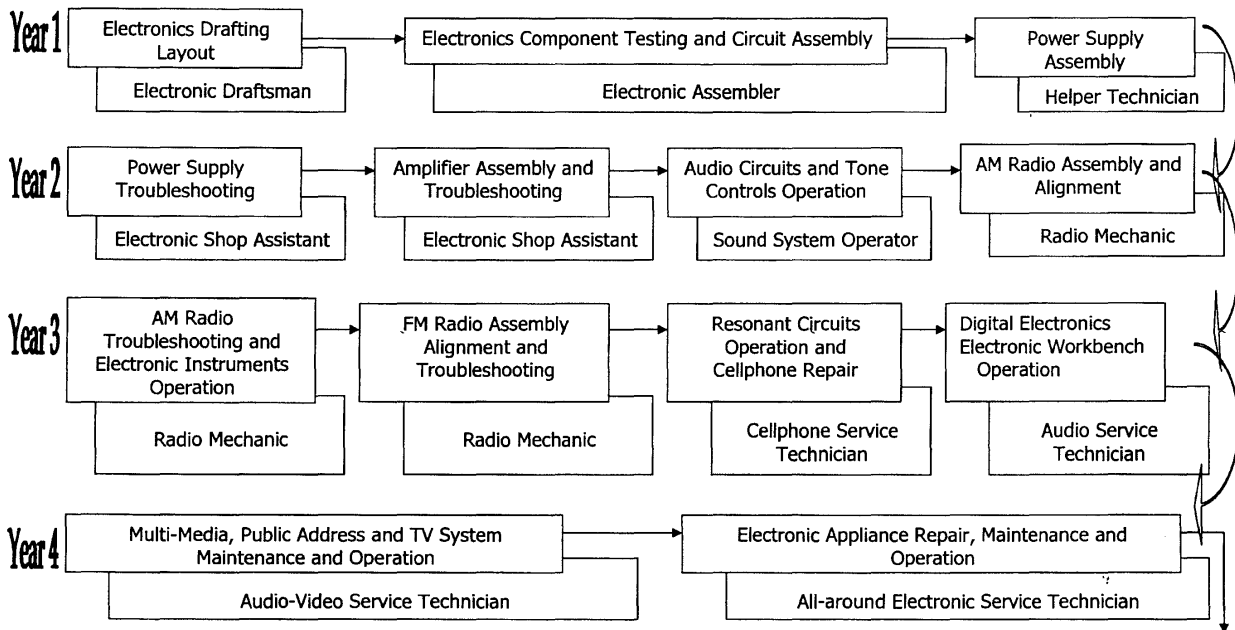
1. Cellular Phone Servicing
2. Consumer Electronics Servicing NC II



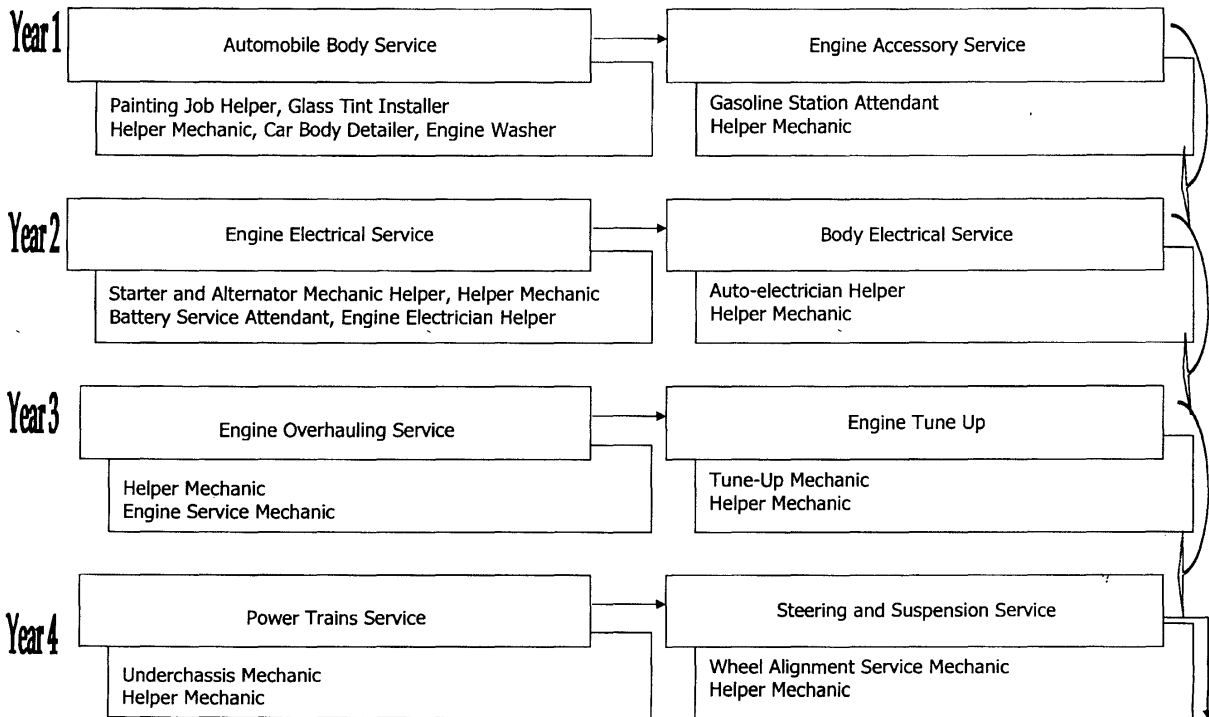
DEGREE LEVEL

1. BSIE – Electronics major
2. ECE – Electronics Communication Engineering

**CAREER PATHWAYS in TECHNOLOGY AND LIVELIHOOD EDUCATION
INDUSTRIAL ARTS
ELECTRONICS TECHNOLOGY**

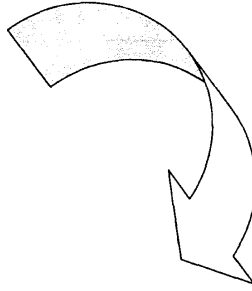


CAREER PATHWAYS in TECHNOLOGY AND LIVELIHOOD EDUCATION
INDUSTRIAL ARTS
AUTOMOTIVE TECHNOLOGY



CERTIFICATE LEVEL

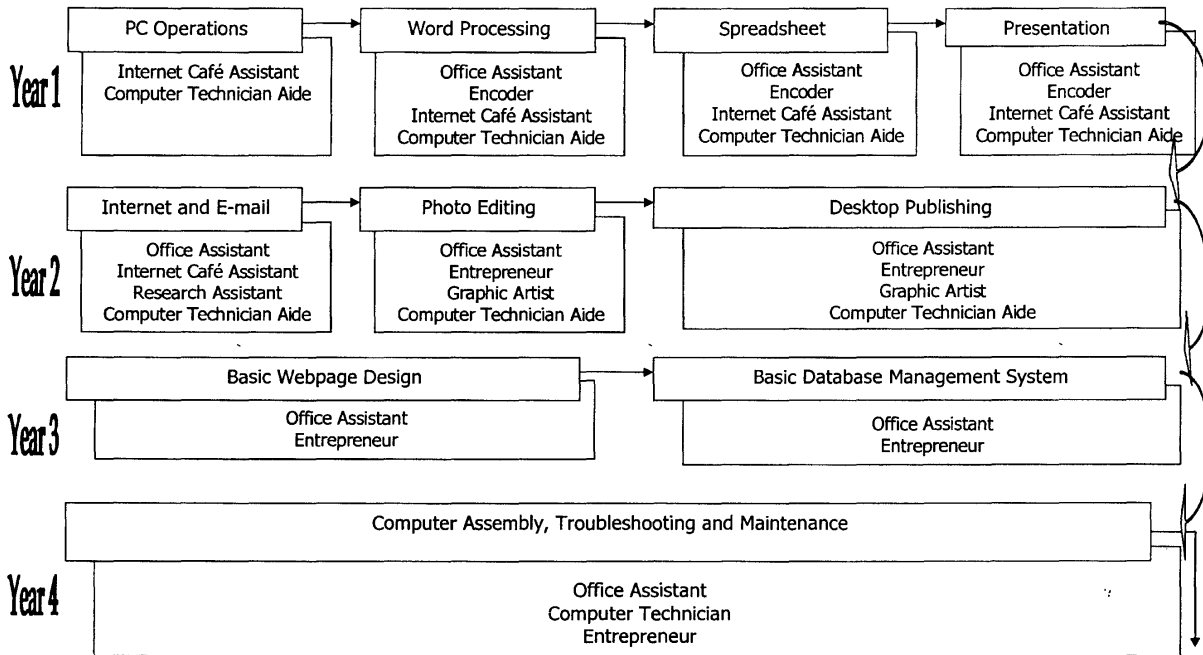
1. Short Term Course (3-6 Months Automotive Course)
2. Automotive Junior Mechanic NC II
3. Automotive Technician NC III
4. Chief Mechanic NC IV



DEGREE LEVEL

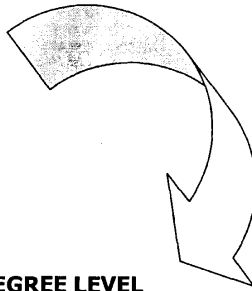
1. B.S. in Automotive Technology
2. B.S. in Automotive Engineering
3. B.S. in Industrial Technology
4. B.S. in Aircraft Mechanic
5. B.S. in Mechanical Engineering

**CAREER PATHWAYS in TECHNOLOGY AND LIVELIHOOD EDUCATION
INFORMATION AND COMMUNICATION TECHNOLOGY**



CERTIFICATE LEVEL

1. COC for WP/Spreadsheet/Presentation Applications
2. COC for E-mail and Web Browsing
3. PC Operations NC II
4. Computer Hardware Servicing NC II



DEGREE LEVEL

1. B.S. in Computer Science
2. B.S. in Computer Engineering
3. B.S. in Industrial Technology
4. B.S. in Office Administration
5. B.S. in Information Technology
6. B.S. in Information Management

Progress Report on the Pilot Implementation of the CAREER PATHWAYS in TECHNOLOGY AND LIVELIHOOD EDUCATION (TLE)

_____ Grading Period; School Year: _____

Name of School: _____ Division _____ Region _____

School Address: _____ Contact No. _____

Directions: Please fill in the information called for in the following:

1. Areas of specialization/component areas pilot in school

a. _____ b. _____

2. Government and non-government agencies/organizations involved in the program during the grading period and form of support extended.

Agency/organization	Form of Support
1.	
2.	
3.	
4.	

(Use another sheet, if necessary)

3. Performance of students during the grading/reporting period.

Pilot Section	Livelihood Course offered	No. enrolled	No. of Passers	No. of Failures	No. of Dropouts

4. List the top 3 reasons for

Failures

1. _____
2. _____
3. _____

Dropping-out

1. _____
2. _____
3. _____

5. Issues and concerns resolved during the grading/report period?

Issues/Concerns	Action Taken