

DIPLOMA IN APPAREL DESIGN AND PRODUCT DEVELOPMENT

This diploma programme is for those who are interested to enter the fashion industry especially in the area of product development and technical design. The design process goes beyond drawing a pretty picture. This program emphasises the provision of materials technical specification, stitch and seam constructions, pattern development and more. At CGTI, you will gain in-depth knowledge in fabrics, quality, size specifications, drafting and sewing in order to be enabled to convert a unique design into a real garment.

COURSE STRUCTURE

Diploma in Apparel Design and Product Development will be conducted in the form of lectures, discussions, demonstrations, case studies, practical exercises, role plays and hands-on activities.

15 MODULES:

1. Apparel Product Development
2. Apparel Production Sequence
3. Garment Construction
4. Introduction to Textiles
5. Production Drawing
6. Quality Assurance in the Textile and Fashion Industry
7. Workplace Skills
8. Digital Apparel Design
9. CAD Pattern Drafting & Grading
10. Draft and Sew Knit Bottoms
11. Draft and Sew Knit Tops
12. Draft and Sew Woven Bottoms
13. Draft and Sew Woven Tops
14. Fit Evaluation and Pattern Alteration
15. Marker Development and Cut Order Planning

ENTRY REQUIREMENT

- Currently working in the apparel industry or aspire to work in the apparel industry
- Possess university, diploma or high school certificate
- Ability to read, write and comprehend English proficiently
- Basic computing skills and knowledge of Microsoft office

COURSE FEE

For more details on type of Place and Train programme packages and courses fee, please contact us at (855) 23 883 435

COURSE DURATION

Course Type	Full-Time
Total Trainings and Assessment Hours	453.5 hours
Total Number of Months	3.5 months

*Maximum number of months factoring in holidays and scheduling conflicts.

GRADUATION REQUIREMENTS

Student must fulfil the following requirements:

- 75% attendance rate of total training hours per module
- Assessed and be competent for every module

CERTIFICATE ISSUANCE

Upon successful completion of the course, student will be awarded the CGTI Certification which is nationally endorsed and recognised by industry partners.

CAREER OPPORTUNITIES

- Fashion Designer
- Assistant Designer
- Product Development Executive
- Assistant Pattern Maker
- Merchandiser
- Technical Designer
- Technical Support Executive
- Product Developer
- Quality Control Auditor / Compliance Assistant Auditor

CGTI_V7_20170613



APPLY NOW

Call +855 23 883 435
enquire@cgti-cambodia.org
www.cgti-cambodia.org

MODULES SYNOPSIS

1. Apparel Product Development

With the growing trend of buyers asking for value-added services, only factories who can offer design and product development services can compete in the global arena. It is fast-becoming a pre-requisite for factories to be able to offer such services to remain in the buyers' matrix of selected suppliers. Garment manufacturers have to develop their own product development team to meet their buyers' requirements. Factories that have already set up product development teams, would have a head-start to work with buyers and designers to collaborate and better understand the buyer's needs. It is also imperative to create the most relevant collection in the shortest time for the buyers, as lead time gets shorter. Product development is not just about the creation of new samples, it has to meet the criteria and the needs of the buyers.

2. Apparel Production Sequence

Learn how a garment is made from pattern drafting, cutting and sewing. With the basic knowledge in drafting and sewing, you can better-understand and relate mass-production processes from pattern making to cutting, sewing and finishing. This course also covers basic threading of the industrial sewing machine and sewing techniques, providing a good foundation for anyone who wants to be in the apparel industry.

3. Garment Construction

With steep retail competition and quick style changeovers, manufacturers, retailers and buying agents are faced with the challenges of offering a wider product range, a quicker product development cycle in a shorter production lead-time. Thus merchandisers, garment technologists and designers are required to develop designs and respective technical packages including production design that are feasible in production as well as achieve accuracy in sample interpretation. The understanding of how garments are constructed, the various seams and stitches utilization in various components within the garment is critical. Thus fundamental knowledge will reduce redundant designs that cannot be replicated in mass production and eliminate misinterpretation in sampling.

4. Introduction to Textiles

This subject provides a basic understanding of fibers and yarns in textiles formation. Students are taught the fundamentals of knits and weaves, and to identify fabric by names through visual identification and their intrinsic characteristics. Students' understanding of textiles include production processes and developments in the industry. Virtual field trips include visits to mills and testing laboratory. This is a fundamental foundation for anyone in the fashion industry.

Merchandisers, Designers, Product Developers, Purchasers, Procurement Officers, Quality Control Auditors/Inspectors, Sample Maker and Production Personnel often has problems in identification of fabrics and pre-empting issues relating to materials due to lack understanding of material knowledge, its characteristics, limitations and the varied processes. Thus a good understanding of textiles is a critical competency required for the incumbent in the effective delivery of their job functions.

5. Production Drawing

This module aims to provide basic knowledge and skills to draw production drawings. It covers different garment types, details and specifications. You will learn how to draw basic production drawings and give basic descriptions.

6. Quality Assurance in the Textile and Fashion Industry

This module covers the major aspects of Quality in the textile & apparel industry. Students will learn the principles of quality management, interpret the various types of quality reports and how quality policies can impact the operational performance of the organization. The areas of coverage include: statistical sampling, defects classification, samples evaluation and report writing. Raw materials, product safety and testing, color evaluation will also be introduced. Students will have the opportunity to be engage in discussions on common quality issues and measurement deviations faced by the industry.

7. Workplace Skills

The module is designed to help individuals function effectively as an independent thinking adult in the workplace and focus on importance of initiative and enterprise in the context of his/her work scope, responsibility, accountability, authority and expertise.

This module covers the areas of communication, goal setting, time management, work ethics etc. This course will help you become a better communicator and self-motivated person who is able to connect well with the different stakeholders to enhance workplace success.

8. Digital Apparel Design

This training provides fundamental applicable skills in using the Adobe Illustrator (AI) software, concentrated in the area of fashion design and presentation. Learners will identify the numerous benefits of using CAD and any possible shortcomings, you will learn how to use AI to render garment designs and technical sketches, basic Photoshop skills, and you will be familiarised with the various electronic file types, their properties and effective digital transmission. Learners will be able to create vector-based flat drawings, do basic image editing, use selected effects and create presentation layouts using selected CAD software. You will also learn to create your own trims library for enhanced and long-term effectiveness.

9. CAD Pattern Drafting & Grading

This training provides occupational knowledge and skills of the various techniques and concepts in pattern drafting and grading pattern using CAD pattern drafting and grading software which is widely used in the fashion industry. Students will be able to receive, retrieve and send digital pattern blocks and information electronically, grade patterns blocks using CAD system, maintain records of information, manage pattern database or library.

10. Draft and Sew Knit Bottoms

This course provides participants with a foundation in pattern development and garment construction of knit bottoms at advance level. Participants will learn to take mannequin measurements, understand the relation of styles and ease allowance, develop patterns and construct a skirt and pants. The participants will master the techniques of laying fabric, cutting, sewing, edging and finishing.

This unit is delivered through white board drafting, quarter scale drafting, demonstrations and hands-on sewing operations.

11. Draft and Sew Knit Tops

This course provides participants with foundation in pattern development and garment construction of knit tops at advance level. Participants will learn to take mannequin measurements, understand the various sleeve and neckline variation and how to develop patterns and construct the tops with variation of collar, neckline and sleeve. The participants will master the techniques of laying fabric, cutting, sewing, edging and finishing of the complicated knit tops. This unit is delivered through white board drafting, quarter scale drafting, demonstrations and hands-on sewing operations.

12. Draft and Sew Woven Bottoms

This course provides participants with a foundation in pattern development and garment construction of woven bottoms at advance level. Participants will learn to take mannequin measurements, understand the relation of styles and ease allowance, develop patterns and construct the pants and skirt. The participants will master the techniques of laying fabric, cutting, sewing, edging and finishing.

This unit is delivered through white board drafting, quarter scale drafting, demonstrations and hands-on sewing operations.

13. Draft and Sew Woven Tops

This course provides participants with foundation in pattern development and garment construction of woven tops at advance level. Participants will learn to take mannequin measurements, understand the various sleeve and neckline variation and how to develop patterns and construct the tops with variation of collar, neckline and sleeve. The participants will master the techniques of laying fabric, cutting, sewing, edging and finishing of the complicated tops. This unit is delivered through white board drafting, quarter scale drafting, demonstrations and hands-on sewing operations.

14. Fit Evaluation and Pattern Alteration

This course provides a broad-based understanding of the importance of apparel fit evaluation in relation to the development of the final drafting patterns before the garment goes into production. It is highly recommended for people who are involved in the production of garment samples, garment quality control personnel, fit technicians and designers who need to understand how clothes fit and pattern drafters who want to improve their knowledge of pattern making. Participants will be involved in active learning of making pattern alterations in classroom. This unit is delivered through lecture, demonstration and hands-on activities.

15. Marker Development and Cut Order Planning

This training provides occupational knowledge and skills of the various techniques and concepts in cut order planning and generating markers. It aims to equip participants with the skills and fundamental knowledge to generate a cut order plan and with the assistance of using CAD marker making software. Participants will be able to compute cut order plan, generate markers and calculate fabric consumptions. This unit is delivered through lectures, demonstration and hands-on activities.