

Technical Pattern Making Advanced Outerwear/Activewear Level 2

Career Occupation*
(if applicable)

Technical Pattern Maker, Pattern Maker, Product Developer, Apparel Production

Admission Requirements

- High School Diploma or equivalent, or mature student status (19+ on the first day of study)
- Admissions interview: In person or via Zoom/ Skype with the Director of Operations & Admissions or Dean of Studies
- Application Essay: The application essay must clearly describe why you have chosen the Cut Fashion Design Academy. Why you chose this particular program. Why are you passionate about the fashion industry, and what are your future career goals in a minimum of 250 words.
- All applicants must be able to read, write, and communicate in the English language. See language proficiency requirements

Learning Objectives*

Upon completion of this course the successful student will have reliably demonstrated the ability to:

- *Identifying new fibers, fabrics and trims*
- *Learn how to apply specific technical construction techniques to build performance garments*
- *Understand the importance of relationships with Vancouver manufacturers specializing in technical apparel manufacturing*
- *Draft patterns for activewear garments.*
- *Manufacture garments to industry standards*
- *Conceptualize, draft and create a four-piece capsule collection*



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Method(s) of Evaluation* *The course is broken up into small projects that ultimately come together to make a cohesive visual understanding of Fashion Marketing and Branding. Presentation format and style is determined by each student. Students will receive a written evaluation on a regular basis and at least once before 30% of the hours of instruction of the program have been provided.*

Completion Requirements* *The Cut Academy will use the following grade scale to determine each student's grade through their work.*

Letter Grade	Scale (%)	Notes
A+	90.00 - 100.00	
A	85.00 - 89.99	
A-	80.00 - 84.99	
B+	76.00 - 79.99	
B	72.00 - 75.99	
B-	68.00 - 71.99	
C+	64.00 - 67.99	
C	60.00 - 63.99	
C-	55.00 - 59.99	
D	50.00 - 54.99	
I	0.00 - 49.99	Temporary
F	0.00 - 49.99	Permanent

Must receive 75% or above to pass the following assignments. Assignments will be graded on selected criteria per assignment.

- 1 - Project: Base Layer fleece - due week 3, class 7 - 5%
- 2 - Project: Active Top - due week 4, class 12 - 10%
- 2 - Project: Yoga Pant - due week 4, class 12 - 10%
- 3 - Project: Mid-Layer Fleece Jacket - due week 5, class 15 - 10%
- 4 - Project: Technical Pant - due week 14, class 41 - 15%
- 5 - Project: Jacket - due week 14, class 41 - 15%
- 6 - Project: Waterproof Jacket - due week14, class 41 - 20%
- Replica book - 5%
- Professional - 5%
- Attendance - 5%

Assignments will be graded on selected criteria per assignment.

Program Organization*

Title of Course/Work Experience Component *	# of Hours*
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Technical Pattern Making Advanced Outerwear/Activewear Level 2	280 Hours
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Term: 14 weeks x 20/hrs = 280 hours
 Weekly: Lecture 8 hrs/week. Lab 12 hrs/week

COURSES

PERFORMANCE TEXTILES, FIT & FEATURES

- Identify and work with specific manufacturing equipment
- Define the terminology common to the technical outerwear / active wear industry
- Identify performance textiles, fit and features
- Review leading products for performance design features
- Understand anatomic fit, and sport-specific movement
- Visit local factories
- Introduction to outerwear products, fabrics, features and specific manufacturing techniques

LAYERS

- Understand the application of base layers
- Apply the considerations given for creating base layer products (seam placement, fit, layering, features, fabrics and construction)
- Review competitive samples and key design features
- Understand and apply the application of mid layers (fleece, synthetic insulation)
- Review Yoga pant and top; fit and identify corrections
- Draft and sew mid-layers, both fleece and synthetic insulation
- Learning about down insulation

TECHNICAL PANT

- Comprehend all considerations for technical pants (hiking, running, mountaineering – lightweight to alpine weight soft-shell)
- Apply sizing and fit considerations for technical end uses
- Advanced fabrics and trims
- Performance construction techniques
- Review and fit Yoga Pant corrections, and active top (if necessary)

OUTERWEAR

- Introduction and exploration of hoods (one of the most difficult elements of outerwear to fit well)
- Draft and sew muslin or mock-ups of basic outerwear shell block, including hood
- Refine body block for fit, seam placement, articulation and mobility
- Examine general and sport-specific features (cuff closures, ventilation, innovative closures or adjustments)
- Examine construction necessary to make a garment with an attached lining waterproof

PRESENTATION

- Final: Students will create 2 final looks including one knit piece and one 3 layered pieces.
- Students will present their final presentation to peers and the course instructor.



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MATERIALS

\$450

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- \$450.00 Sketchbook (9x12)
- Colour Pencil Set (24)
- Pattern Paper
- Flexible Curve Ruler
- Form Curve 12"
- Form Curve 18"
- French Curve
- Pattern Notcher
- 24" x 14" L- Square
- Needle Tracing Wheel
- Carbon Paper
- Metal Ruler 18"
- Clear Ruler
- Tape Measure
- Tailors Chalk
- Serrated Tracing Wheel
- Muslin
- Rubber Cement
- Seam Ripper
- Scissors
- Fabric Scissors
- Mechanical Pencil
- Liner Pen Set
- Paint Tray
- Drawing Pencil Set
- Pencil Sharpener
- Vinyl Eraser
- Push Pins
- Binder
- Portfolio

BOOKS

BOOKS:

\$339.00 Patternmaking for Fashion Design (5th Edition) by Helen Joseph Armstrong

The New Complete Guide to Sewing: Step-by-Step Techniques for Making Clothes and Home Accessories Updated Edition with All New Projects and Simplicity Patterns Nov 11 2010 by Editors of Reader's Digest

POTENTIAL GUEST SPEAKERS FROM:

- LuLuLemon
- Arcteryx
- RYU
- Reigning Champ
- Gentle Fawn
- Brunette The Label
- Aritzia
- Dish and Duer

Student

Name: _____

Student Signature:

Date:
