

# FASHION AND TECHNOLOGY (FASN)

This is a list of the Fashion and Technology (FASN) courses available at KPU.

Enrolment in some sections of these courses is restricted to students in particular programs. See the Course Planner - [kpu.ca/registration/timetables](http://kpu.ca/registration/timetables) - for current information about individual courses.

For information about transfer of credit amongst institutions in B.C. and to see how individual courses transfer, go to the BC Transfer Guide [bctransferguide.ca](http://bctransferguide.ca)

## **FASN 1100** **3 Credits** **Fundamentals of Fashion Design**

Students will examine the foundational elements and principles of design and their application in the creation of apparel. They will develop their ability to experiment with design in two- and three-dimensions through exploration of creative methodologies. Students will formulate solutions to basic fashion design problems, considering the human form, colour theory, and material application.

## **FASN 1115** **2.5 Credits** **The Apparel Industry**

Students will acquire an historical awareness of the apparel industry and the current workings of the industry in local, national and global contexts. They will learn to identify the sectors of the industry from raw materials through to design, production and marketing to the consumer. Through field research, students will discover the wide range of local niche market apparel companies. Students will explore a variety of careers available in design, production and marketing of apparel and how the positions interrelate. They will determine their place as professionals in the field.

Note: This course is identical to FMRK 1115. Students will not be able to earn credits for more than one of FASN 1115 or FMRK 1115.

## **FASN 1116** **3 Credits** **The Apparel Industry**

Students will examine the local, national, and global apparel industry through retail environment and brand positioning field analysis. They will acquire an awareness of the historical and current contextual developments affecting the industry. Students will identify the organization of the industry from raw materials through to design, production, marketing, and retail sectors specific to segmented target markets and apparel products.

## **FASN 1120** **3.5 Credits** **Production Basics I**

Students will analyze and draft basic patterns. They will research, draft and construct basic apparel components and create production reference binders. They will study and practice the fundamentals of quality control.

*Co-requisites: FASN 1100*

## **FASN 1121** **3 Credits** **Fundamentals of Apparel Pattern Drafting**

Students will practice the fundamental techniques of apparel pattern drafting. They will investigate the correlation between 2D patterns and their application to 3D human form. They will manually draft flat patterns for basic garments and apparel components using industry standard drafting tools and techniques.

*Co-requisites: FASN 1130*

## **FASN 1130** **3 Credits** **Fundamentals of Apparel Construction**

Students will practice the fundamental techniques of apparel construction utilizing basic industrial sewing and finishing equipment. They will apply construction techniques and develop their machine operating skills to create basic garments and apparel components. They will apply industry standards in apparel construction, including equipment protocols and quality assurance practices.

*Co-requisites: FASN 1121*

## **FASN 1150** **2 Credits** **Fashion Retail Work Experience**

Students will work 80 hours, paid or volunteer, to gain an understanding of the retail component of fashion in order to further their design, production and marketing knowledge and skills. They will provide evidence of their learning in journal form, self assessment, and reference letters.

Note: This course is identical to FMRK 1150. Students will not be able to earn credits for more than one of FASN 1150 or FMRK 1150.

## **FASN 1205** **3 Credits** **Fundamentals of Digital Communication**

Students will examine computer applications and digital communication utilized in the fashion industry. They will develop solutions for apparel business activities including formatting of data, visuals, and presentations. Students will explore the capabilities of industry-standard multimedia technology applications such as Adobe Illustrator and Photoshop to design and build print-ready digital fashion files.

## **FASN 1215** **3 Credits** **Textiles & Technology I**

Students will explore the textile industry and inherent technologies specific to apparel applications. They will gain an introductory understanding of fabric science through the study of fibre and yarn properties, fabric characteristics and textiles production. They will explore industry-related issues in the production of textiles and their impact on design, manufacturing and marketing of apparel. They will analyze fibre and fabric property performance using textile testing technology.

*Prerequisites: FASN 1116*

**FASN 1220** **6 Credits**  
**Production Basics II**  
Students will select and manipulate blocks to develop finished patterns. They will research fit and construction techniques to complete finished garments. Students will learn the basics of specification sheets and flat garment measurement. They will build on their production reference binders through drafting and constructing more complex components. Students will continue to study and practice quality control. They will begin to develop a critical eye for line and proportion.

*Prerequisites: FASN 1120*

**FASN 1225** **3 Credits**  
**Fundamentals of Apparel Production**  
Students will practice the fundamental techniques of apparel production and utilize industry standards of selecting and manipulating block patterns to create prototype garments for new style development. They will create basic technical production specification documents that communicate fabric selection, style details, and garment measurements. Students will construct garments applying basic apparel manufacturing processes while practicing industry standards, such as quality assurance and sustainable materials utilization.

*Prerequisites: FASN 1121 and 1130*

**FASN 1230** **2 Credits**  
**Fashion Drawing I**  
Drawing nude and clothed figures, students will observe, analyze, imagine, and record fashion design ideas for various target markets. They will examine different kinds of fashion drawing, and will develop initial design sketches into presentation sketches, using drawing to communicate messages in design, production and marketing contexts. Students will develop critical awareness through studying cultural and historical influences affecting fashion drawing.

**FASN 1231** **3 Credits**  
**Fundamentals of Fashion Drawing**  
Students will explore a variety of free-hand and digital drawing methods and applications utilized in the apparel industry. They will study garment components and fashion terminology for design ideation sketching and technical flat drawing applications. They will experiment with drawing media and techniques to communicate a variety of human forms and fabric rendering solutions. Students will analyze and apply techniques used in historical and current fashion illustrations to communicate and market fashion designs.

**FASN 2100** **3 Credits**  
**Fashion Design Theory and Process I**  
Students will engage in design process and documentation methods utilized in the apparel industry. They will investigate the balance of creativity and marketability required in style development. They will examine and interpret creative design theories and methods. Students will formulate design solutions for apparel products specific to target market segments while developing their individual creative process.

*Prerequisites: All of: (a) FASN 1100, (b) FASN 1230 or 1231 and (c) MRKT 1199*

*Co-requisites: FASN 2121*

**FASN 2115** **2.5 Credits**  
**History of Costume**  
Students will examine costume history and its relationship to social, economic, and political events. They will investigate western fashion developments and expand their appreciation of fashion sources from other areas of the world. Through class projects, students will draw on historical knowledge to analyze and predict current fashion and to create design solutions which reference historical costume.

*Prerequisites: ENGL 1100 or 3 credits from a first-year post-secondary English course or higher.*

**FASN 2116** **3 Credits**  
**Fashion History I**  
Students will examine historic costume and the transformation of clothing to the end of the 19th century through analysis of decorative and fine art, and apparel artefacts. They will survey each historical era and the interrelatedness of social, economic, political, cultural and technological events and effects on dress at the time. Students will establish timelines and context for fashion as part of culture, interpret historical design references, and analyze the historical development of the apparel industry.

*Prerequisites: FASN 1115 or 1116*

**FASN 2120** **7 Credits**  
**Style Production I**  
Students will apply complex drafting and construction skills and knowledge to create marketable garments, making connections to FASN 2100 Fashion Design I. They will create specification packages, work with specialty fabrics, and expand their production resource binders. Students will continue to study and practice fit and quality control as well as critique line and proportion in garments.

*Prerequisites: FASN 1220*

*Co-requisites: FASN 2100*

**FASN 2121** **3 Credits**  
**Style Production I**  
Students will apply drafting and construction skills to create industry standard block patterns for apparel prototype style development. They will expand their skills in pattern manipulation, sewing operations, and industrial equipment use through experimentation with a variety of fabrications and increasingly complex garment design. They will apply industry standard technical design skills through development of specification packages and the analysis of fit and quality assurance in style production.

*Prerequisites: FASN 1220 or 1225*

*Co-requisites: FASN 2100*

**FASN 2130** **2 Credits**  
**Technical Fashion Drawing**  
Students will understand the different uses and kinds of technical fashion drawing. They will convey design ideas using technical drawings and terminology to accurately specify proportion, style and detail. Drawings will be developed initially by hand and developed using Adobe Illustrator® and incorporating Adobe Photoshop®. Students will produce a digital based portfolio focusing on technical fashion drawings.

*Prerequisites: FASN 1205, FASN 1220, and FASN 1230*

*Co-requisites: FASN 2100*

**FASN 2200** **5 Credits****Fashion Design and Drawing II**

Students will examine how design decisions affect production and marketing. Through links with industry, they will apply their knowledge and abilities in a practical focus. They will explore and critically analyze the balance between creativity and marketability through colour and experimenting with textile choices. Students will practice visual and verbal presentation techniques and create a portfolio of work applicable to job interviews.

*Prerequisites:* FASN 2100, FASN 2115 and FASN 2130.

*Co-requisites:* FASN 2220

**FASN 2201** **3 Credits****Fashion Design Theory and Process II**

Students will interpret the design and merchandising process utilized in the creation of apparel collections, expanding their knowledge of industry practices and design documentation. They will individually and collaboratively employ fashion design theories and processes in the formulation of design solutions for a range of target market segments. Students will identify production and sustainability considerations in the design process while continuing to explore individual creative practice.

*Prerequisites:* FASN 2100

*Co-requisites:* FASN 2221

**FASN 2215** **3 Credits****Textiles & Technology II**

Students will integrate their knowledge of the textile industry and inherent technologies for specific apparel applications. They will investigate textile dyeing, printing, and finishing techniques and develop skills in colour management. Technological and environmental innovations and their applications in fashion and performance textiles will be critically examined. Students will apply aesthetic and technological properties of fabric development for apparel through the introduction of composite material and textile design.

*Prerequisites:* FASN 1215

**FASN 2216** **3 Credits****Fashion History II**

Students will examine historical fashion in the context of the 20th and 21st centuries. They will analyze contemporary history through the interrelatedness of social, economic, political, technological, and cultural events and their effects on dress and the apparel industry. Students will integrate the study of historical dress and cyclical consumer trend analysis to formulate apparel and textiles fashion forecasting presentations specific to target markets.

*Prerequisites:* ENGL 1100 and FASN 2116

**FASN 2220** **7 Credits****Style Production II**

Working from design concept to 3-D product, students will draft and construct prototypes for specific markets including technical apparel. They will create standard-size blocks and manipulate them to produce individual styles. Students will produce full-size knit, woven and technical apparel and develop technical specification packages that include production and cost analyses. They will analyze and evaluate the final products for fit, performance and quality.

*Prerequisites:* FASN 2120

*Co-requisites:* FASN 2200

**FASN 2221** **6 Credits****Style Production II**

Students will draft patterns and construct styles for specific markets to explore techniques working with a variety of production equipment and fabrications such as knits and technical textiles. They will expand technical design skills through the creation of industry standard specification packages that include detailed production and cost analyses. Students will develop prototype analysis and evaluation techniques to critically assess fit, technical performance, quality, and sustainable practices. Students will utilize critical thinking skills to solve problems encountered through the style production process while employing industry techniques and standards.

*Prerequisites:* FASN 2121

*Co-requisites:* FASN 2201

**FASN 2240** **2 Credits****Computer-Based Pattern Drafting**

Students will learn how to operate the Gerber Accumark™ pattern design system which prepares them for pattern manipulation conforming to industry standards. They will transfer manual pattern drafting skills and knowledge to computer-based pattern manipulation techniques, with emphasis on creating new styles.

*Prerequisites:* FASN 1205 and FASN 2120

**FASN 2241** **3 Credits****CAD Drafting Methodologies**

Students will learn to operate computer-aided-design (CAD) technology to practise pattern manipulation techniques conforming to apparel industry standards. They will transfer manual pattern drafting skills and knowledge to computer-based pattern manipulation methods, with emphasis on creating and determining solutions for new style development.

*Prerequisites:* FASN 1205 and 2121

**FASN 3100** **3 Credits****Surface Design**

Students will create unique textiles through analysis of fabric traditions of various cultures and the exploration and application of surface design techniques. They will increase their knowledge of structural and sustainable surface design processes by producing textiles using a variety of contemporary media and techniques. Students will engage in creative exploration of surface design problems and prepare presentations of textile and fashion design solutions through tactile, visual, verbal and written communication.

*Prerequisites:* FASN 2215

**FASN 3101** **3 Credits****Apparel Product Development**

Students will analyze product development design and merchandising processes utilized in the global apparel industry. They will collaborate to formulate seasonal collection design solutions utilizing consumer analysis, strategic planning, and forecasting research. They will propose solutions that consider the balance of ethical, social, environmental, and economic interests throughout the line development process. Students will expand their knowledge and creative application of industry standard technology throughout the product development planning, communication, and presentation process.

*Prerequisites:* All of (a) FASN (2200 or 2201) and (b) FASN 2216

**FASN 3110** **3 Credits****Advanced Technical Apparel Design & Production**

Students will analyze design processes and manufacturing techniques required for technical and performance apparel production. They will study anthropometrics, ergonomics, and textiles technology to determine articulation, fit, and materials required for the design of performance garments. Students will assemble prototype apparel solutions for identified applications and environments with the use of specific industrial machinery, equipment, materials, and construction techniques.

*Prerequisites: Both (a) FASN 2220 or 2221 and (b) FASN 2240 or 2241*

**FASN 3120** **7 Credits****Mass Manufacturing**

Students will research and practice mass manufacturing methodologies. They will practice pattern grading techniques manually and digitally using apparel industry-specific software. Computer-based markers (pattern piece layouts on fabric) will be produced from student-generated graded patterns. They will study and simulate domestic and global production planning and management. They will create complete specification packages and quality control manuals. Students will also review the use of CAD in the apparel industry. They will practice and assess team dynamics in a production environment. They will analyze the inter-relationships between production, design, and marketing functions within an apparel company.

*Prerequisites: FASN 2220 and FASN 2240.*

**FASN 3121** **3 Credits****Manufacturing Methodology**

Students will interpret manufacturing methodologies and their applications for apparel production environments. They will apply the fundamentals of apparel engineering including productivity concepts, apparel production systems, and operation time studies. They will analyze costing and quality assurance processes in apparel manufacturing and examine domestic and global sustainable production sourcing strategies. Students will study manual and computer-aided-design (CAD) pattern grading and marker-making systems for size range development and sustainable fabric utilization, as part of apparel manufacturing processes.

*Prerequisites: FASN 3101 and 3110*

**FASN 3130** **4 Credits****Draping**

Students will study, research and apply the techniques of draping in design and patternmaking. They will develop skills in translating draped designs to flat patterns. Students will create a digital reference of draped designs which will include examples of design concepts and provide a visual record that portrays stages of development in a variety of draped techniques. They will continue to develop an eye for line and proportion in design.

*Prerequisites: FASN 2220*

**FASN 3131** **3 Credits****Draping Methodology**

Students will experiment with various methods of fabric draping utilized in apparel design. They will create draped three-dimensional (3D) prototypes and apparel components and analyze them for translation into flat patterns. They will explore innovative draped designs through interpretation of historical and current draping techniques used in fashion. Students will determine manufacturing solutions for complex draped garments using advanced pattern making and garment finishing techniques.

*Prerequisites: FASN 2220 or 2221*

**FASN 3150** **1.5 Credits****Preparation for Fashion Industry Practicum**

Students will learn the knowledge and skills to carry out a job search to secure a (volunteer) position with an apparel design/manufacturing company. They will develop skills in personal career assessment, resume writing, cover letters, portfolio presentation, and interview techniques. They will develop awareness of the career opportunities in the local apparel industry, practicum policies and procedures and have an appreciation of human relations in the workplace.

*Prerequisites: CMNS 1140, FASN 2200 and FASN 2220.*

**FASN 3151** **3 Credits****Professional Practices**

Students will develop skills in personal career assessment and professional practices to secure an apparel industry practicum placement with a design/manufacturing company. They will manage skills in resumé and cover letter writing, portfolio development, and interview techniques. They will analyze career opportunities within the local apparel industry and examine practicum procedures, human relations, and leadership principles for success in the workplace.

*Prerequisites: All of: (a) CMNS 1140, (b) FASN 2200 or FASN 2201 and (c) FASN 2220 or FASN 2221*

**FASN 3200** **3.5 Credits****Product Development**

Students will examine and analyze the product development process as it applies to the apparel industry. They will formulate critical paths in product development and examine the relationship of wholesale cost to retail price, based on industry guidelines. Students will, in a collaborative environment, formulate design solutions for specific target markets based on forecasting and market research. They will consider links between the product development process and other studies and experiences.

*Prerequisites: FASN 3120*

*Co-requisites: FASN 3250*

**FASN 3250** **3 Credits****Professional Practicum**

Students will engage in professional industry practices through a workplace practicum with a design/manufacturing company in the apparel industry. They will practice applied skills, develop contacts in the industry, and identify opportunities for their place as future professionals in the field. They will utilize critical thinking and reflective practice to synthesize practical knowledge acquisition with prior learning.

*Prerequisites: FASN 3151*

*Co-requisites: FASN 3200*

**FASN 3900** **3 Credits**  
**Special Topics**  
Students will critically engage in an intensive study of a special topic in fashion design and/or technology as selected by the instructor. They will research and analyse the theory and application of a particular or emerging fashion topic.

*Prerequisites: 48 credits from courses in FASN at the 1100 level or higher*

**FASN 4100** **5.5 Credits**  
**Line and Portfolio Development**  
Students will integrate personal direction with fashion industry practice through the process of designing a line of clothing for a chosen market niche. They will determine and apply design solutions for specific niche markets which may include the technical apparel market. They will critically analyze and assess the balance between creativity and marketability required for success in the profession. Students, through consultations with industry professionals and site visits, will create a comprehensive portfolio of work appropriate to a career direction.

*Prerequisites: FASN 3200*

**FASN 4101** **6 Credits**  
**Collection: Design Development**  
Students will integrate personal creative direction with industry practice through the identification, validation, and conceptualization of an apparel collection for a viable consumer market. They will refine verbal communication and visual presentation skills utilizing advanced technology applications in proposals of individual line concepts and multiple design solutions. Students will synthesize prior experience, education, knowledge, and skills while critically assessing the balance of creativity, marketability, and sustainability required for leadership in the profession.

*Prerequisites: FASN 3200 or 3201*  
*Co-requisites: FASN 4151*

**FASN 4120** **3 Credits**  
**Innovative Pattern Cutting**  
Students will explore contemporary and emergent sustainable apparel industry practices of innovative pattern cutting techniques. They will research the development of these practices and determine their applications for design, manual and computer-aided-design (CAD) pattern making, and manufacturing. Students will experiment with Zero Waste fashion design methods, specialized cutting techniques, three-dimensional (3D) design applications, and material manipulations in the creation of apparel.

*Prerequisites: FASN 3130 or 3131*

**FASN 4130** **3 Credits**  
**Advanced Digital Communication**  
Students will synthesize their visual communication skills in fashion design, illustration, and print and media production integrating industry-standard applications to design and produce a professional digital portfolio. They will design and implement a fashion webpage as a marketing tool. Students will use animation software to create dynamic visual presentations, integrating computer-aided-design (CAD) skills to produce 2-dimensional (2D) to 3-dimensional (3D) garment simulations.

*Prerequisites: FASN 4101*  
*Co-requisites: FASN 4211 and 4221*

**FASN 4150** **4 Credits**  
**Apparel in the Global Economy**  
Students will analyze the apparel global economy by studying international trade agreements, importing and exporting regulations, fabric testing standards, and sourcing of raw materials and production. Students will explore logistics issues such as inventory control, packaging, warehousing and transportation systems. They will create a business plan, costing scheme, quality control strategy, product specifications and production schedules according to domestic and international standards. Students will learn how to work with contractors locally and globally, including negotiating costs and terms. They will use current software such as Excel, Word and Adobe Illustrator or KaratCAD.

*Prerequisites: FASN 3120*

**FASN 4151** **3 Credits**  
**Apparel in the Global Economy**  
Students will critically analyze the apparel industry in relation to the global and local economy. Through study of the interrelatedness of consumer purchasing patterns, international trade regulations, and raw materials and production sourcing they will examine the global apparel supply chain. Students will manage manufacturing cost and quality analyses while evaluating the integration of ethical supply chain management in the development of a business scenario for an identified apparel collection.

*Prerequisites: FASN 3120 or 3121*  
*Co-requisites: FASN 4101*

**FASN 4210** **4 Credits**  
**Professional Promotion**  
Students will present and promote their individual apparel design, production, marketing, and technological skills. They will develop a personal cohesive brand and professional communication and leadership skills. Students will create marketing materials to promote an individually designed fashion portfolio of work for media and industry professionals, including buyers and potential employers.

*Prerequisites: FASN 4100*  
*Co-requisites: FASN 4220*

**FASN 4211** **3 Credits**  
**Professional Promotion**  
Students will present and promote their individual apparel design, production, marketing, and technological skills. They will develop a personal cohesive brand, and professional communication and leadership skills. Students will create marketing materials to promote an individually designed fashion portfolio of work for media and industry professionals, including buyers and potential employers.

*Prerequisites: FASN 4101*  
*Co-requisites: FASN 4130 and 4221*

**FASN 4220** **7 Credits**

**Collection Production**

Students will produce a collection of prototypes of professional quality as samples for a niche market. They will identify critical paths in production schedules and meet deadlines. Students will create industry-ready patterns and detailed specification packages using industry-specific software and current software for office and studio applications. They will evaluate and refine final prototypes for fit, quality, performance, and end use.

*Prerequisites: FASN 3120, FASN 4100 and FASN 4150.*

*Co-requisites: FASN 4210*

**FASN 4221** **6 Credits**

**Collection: Production**

Students will synthesize production knowledge and technical design skills in the creation of a cohesive collection of constructed garments for an identified market. They will evaluate and apply appropriate industry standard pattern making, production, and finishing techniques. Students will create and produce complete specification packages for complex styles and critically evaluate and refine final apparel prototypes for quality, fit, performance, and promotion.

*Prerequisites: FASN 4120*

*Co-requisites: FASN 4130 and 4211*

**FASN 4250** **3 Credits**

**Self-Directed Study**

Students will have the opportunity in their final year to integrate personal areas of interest with practice in the profession (subject to faculty approval). They will gain proficiency in entry level job knowledge and skills, as well as develop habits of independent learning through planning, researching, developing and presenting a negotiated area of fashion study.

*Prerequisites: FASN 3250*