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 - 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

FASN 1100 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 1116 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 1121 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 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 1205 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 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 1225 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 1231 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 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

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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 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, including knits and technical textiles, and increasingly complex garment design. They will apply industry standard technical design skills through development of specification packages and the analysis of fit, quality assurance, and costing in style production.
Prerequisites: FASN 1220 or 1225
Co-requisites: FASN 2100

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

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FASN 3101  
Apparel Product Development  
3 Credits  
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  
Advanced Technical Apparel Design & Production  
3 Credits  
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 3121  
Manufacturing Methodology  
3 Credits  
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 3131  
Draping Methodology  
3 Credits  
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 3151  
Professional Practices  
3 Credits  
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 resume 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 3250  
Professional Practicum  
3 Credits  
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  
Special Topics  
3 Credits  
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 4101  
Collection: Design Development  
6 Credits  
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 3101  
Co-requisites: FASN 4151

FASN 4120  
Innovative Pattern Cutting  
3 Credits  
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 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 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 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

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