

Course Name / Description	College Course Code	Ministry Course Code
<p><b>Addictions (42 hours – 3 hours/week x 14 weeks):</b> <b>Kingston Campus</b></p> <p>The impact of psychoactive drugs on our society is examined in this course. Analysis of the use and impact of alcohol, psychoactive prescription medication, street drugs, over-the-counter drugs, caffeine, nicotine, and problem gambling is conducted. An overview of practical drug concepts, theories of drug abuse, health promotion and prevention and the Ontario addiction treatment system is covered. Students learn how to assess at-risk users and review evidence-based treatment modalities.</p>	GENE53	PPA4T
<p><b>Baking Foundations (56 hours – 4 hours/week x 14 weeks):</b> <b>Kingston Campus</b></p> <p>This course provides students with an introduction to the theory, science, and application of fundamentals techniques in the professional bakeshop. Students apply the knowledge of how various ingredients interact and develop the skills required to prepare yeast products, quick bread, pies, pastries, cookies, custards, and sweet/savory fillings.</p>	CHEF 106	TUA4T
<p><b>Carpentry (42 hours – 3 hours/week x 14 weeks):</b> <b>Cornwall &amp; Kingston Campuses</b></p> <p>This course will introduce the carpentry trade; students will gain practical hands-on experience by working in the carpentry shop. Projects will focus on developing fundamental skills needed to pursue a career in carpentry. Projects will include measuring, cutting, and shaping wood and wood products, as well as the construction of a wood-framed structure. During scheduled lab times, theory material will be presented on a one-on-one basis as well as group teaching.</p>	TRAD2	TSE4T

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<p><b>Culinary Food Science (56 hours – 4 hours/week x 14 weeks):</b>  <b>St. Matt's High School for CDSBEO students only</b>            This course introduces students to the theories, science, and foods involved in the fundamentals of classical French cuisine and culinary techniques as they pertain to the professional modern food service industry. Students learn cooking methods and the wide range of ingredients used in the operation of a professional kitchen and the foundational principles of bakeshop production.</p>	CHEF105	TKF4T
<p><b>Developmental Psychology (42 hours – 3 hours/week x 14 weeks):</b>  <b>Kingston Campus</b></p>	GENE20	JFA4T
<p><b>Electrical Circuits (42 hours – 3 hours/week x 14 weeks):</b>  <b>Kingston Campus</b>            From this course, students will gain a practical knowledge of how simple AC and DC circuits are designed and constructed, how to measure current, voltage, power, and frequency. Students will be introduced to proper safety procedures when working with electricity. In addition, they will assemble a residential electrical service and ancillary equipment, DC lighting circuits, low voltage communication and signaling systems and home automation systems, examine wiring types and requirements, fiber optics, protection and grounding, electrical enclosures, and conduits. Students will also demonstrate the safe and proper handling and storage of hand and power tools, and electrical materials commonly used in the electrical industry.</p>	TRAD 3	TNC4T
<p><b>Exploring Trades &amp; Technology (42 hours):</b>  <b>Cornwall &amp; Kingston Campuses</b>            The skilled trades and technology are an important and dynamic part of contemporary life. Understanding how we are all impacted by advancements in these fields can help us live better, more well-informed, and sustainable lives. Through an introduction to a variety of topics, this course will challenge students to build their knowledge, understanding, and confidence with the trades and technology. Students will also have</p>	GENE7001	TIA4T

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<p>an opportunity to further develop their problem-solving and innovation skills through engaging and practical projects. Topics of exploration could include, but not limited to, automotive, carpentry, welding, plumbing, and millwright.</p>		
<p><b>Make-up (56 hours – 4 hours/week x 14 weeks):</b> <b>Kingston Campus</b> This focus of this course is on the theory and practical skills of makeup application. Topics include but are not limited to; morphology, facial shapes, and balance, colour classifications, observations, and factors to consider prior to makeup application, proper steps and techniques involved in makeup application, supplies, brushes products used, and their ingredients. Through hands-on demonstrations, you learn to create and apply a variety of makeup styles suitable for day, evening, bridal and special events to meet client needs.</p>	ESTH43	TXI4T
<p><b>Personal Stress Management (42 hours – 3 hours/week x 14 weeks):</b> <b>Cornwall Campus</b> This course allows students to plan and implement effective stress management strategies in their personal lives. Students develop an informed understanding of the nature of stress and the stress response including causes, signs and symptoms, effects and impact. The course also focuses on the development of skills to reduce the negative impact of stress and to redirect inevitable stressors to improve health and well-being. Students analyze the impact of stress in their own lives and apply stress management strategies by designing, implementing, and evaluating a personal wellness plan.</p>	GENE57	JDC4T
<p><b>Police Foundations – Criminology (42 hours – 3 hours/week x 14 weeks):</b> <b>Kingston Campus</b> This course provides an examination of various theoretical explanations of criminal and deviant behaviour including the sociological, biological, and psychological perspectives. Criminological theory provides an explanation of criminal activity and crime causation.</p>	POFP201	HCC4T

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<p>The reality of crime in Canada including victimology is examined through crime statistics and issues of criminal behaviour. The impact of criminological theory on the development and effectiveness of the criminal justice system is discussed with an emphasis on future trends within the system.</p>		
<p><b>Professional Effectiveness (42 hours – 3 hours/week x 14 weeks):</b> <b>Kingston Campus</b> Entering a new environment presents challenges as we transition to a new set of values and expectations within a new organizational culture. This course is designed to examine the process of adjustment and to equip students with strategies for making successful transitions.</p>	GENE 114	JEE4T
<p><b>Programmable Logic Controllers (42 hours – 3 hours/week x 14 weeks):</b> <b>Kingston Campus</b> This course introduces students to programmable logic controllers (PLCs) and their uses in industrial automation. In this course students state the functions and applications of Programmable Logic Controllers (PLCs). Students learn to determine the language and addressing requirements of a PLC and demonstrate the programming of common relay instructions, timers, counters, mathematic functions, and word comparisons within a PLC. Students learn proper methods of safe, acceptable programming practices including clear documentation and identify methods of installing a PLC system and perform hard wiring of PLCs to equipment. Students also demonstrate methods of testing PLC inputs and outputs and design programs to operate machines in a desired manner using many of the internal functions of a PLC.</p>	ELET403	TBD

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<p><b>Safe Food Handling – (42 hours – 3 hours/week x 14 weeks):</b>  <b>Kingston Campus</b>            The student will be introduced to the basic rules of sanitation, safety and hygiene required for the hospitality industry. The knowledge gained in this course will help prevent loss of customers and sales, loss of prestige and reputation, legal suits resulting in lawyer and court fees, increased insurance premiums, lowered employee morale and professional embarrassment which can result from unsafe food handling practices. The student will also earn valuable industry recognized certification. Specifically, the KFL&amp;A Health Unit’s Safe Food Handler Certification and the Education Safety Association of Ontario’s WHMIS Certificate.</p>	HOTE23	TFA4T
<p><b>Web Development (42 hours – 3 hours/week x 14 weeks):</b>  <b>Kingston Campus</b>            This course introduces students to web development using HTML, CSS, and JavaScript. Students learn to use HTML to create web pages and to link multiple web pages together. Students also learn how to control the layout and style of web pages using Cascading Style Sheets (CSS) and to make web pages interactive using JavaScript. Students engage in a sequence of assignments designed to familiarize them with HTML, CSS, and JavaScript.</p>	COMP 205	IBS4T
<p><b>Welding &amp; Fabrication (42 hours – 3 hours/week x 14 weeks):</b>  <b>Cornwall &amp; Kingston Campuses, and St. Luke’s High School for CDSBEO students only</b>            This course develops the basic welding skills required by the Mechanical Technician to enable them to join metals. Students develop the knowledge and ability to safely set-up and operate oxyacetylene and arc welding equipment to weld, braze, and cut to specifications. Students learn about flat and horizontal welding positions using plate steel.</p>	MECT102	TLL4T