



*Winter 2024*

*Dual Credit Course Descriptions & Pathways Chart*

**Applied Science and Technology**

**Health and Human**

**Tourism and Hospitality**  
Aviation

**Building Technology**  
Arts Media and Design

**Public Safety**

**Information Technology**  
**Transportation Technology**

**Contemporary Media**





The Dual Credit program is a Ministry-approved program that allows students, while they are still in secondary school, to take college or apprenticeship courses that count towards their OSSD and possibly towards a post-secondary certificate, diploma or apprenticeship certification.

Students may earn up to four optional credits through college-delivered courses towards their OSSD completion.

### **How do Dual Credit programs benefit students?**

Participating in dual credit programs enables students to:

- Complete their OSSD.
- Have an experience that will help them make a successful transition to college or an apprenticeship program.
- Increase their awareness of the various college and apprenticeship pathways available to them.
- Gain greater insight into education and career planning decisions.

### **Who should be considered for Dual Credit programs?**

The primary focus is on students who have the potential to succeed but are at risk of not graduating from high school. The secondary focus is on students who are looking for post-secondary and/or career exploration.

**To submit an application, please contact your guidance counsellor or student success teacher. All applications will be equally considered if submitted by:**

**Friday, December 22, 2023.**

### **For more information:**

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[www.fanshawec.ca/SCWI](http://www.fanshawec.ca/SCWI)

**All courses will run on Wednesdays from 9:00 a.m. – 3:30 p.m.**

<b>Term 1 February 21<sup>st</sup> – April 10<sup>th</sup></b>				
<b>Course Name</b>	<b>Time of Day</b>	<b>Start date</b>	<b>End date</b>	<b>Course Location</b>
Construction Tools	9:00 a.m. – 3:30 p.m.	Feb. 21	Apr. 10	London Oxford St.
Contemporary Knowledge	9:00 a.m. – 3:30 p.m.	Feb. 21	Apr. 10	London Oxford St.
Cutting and Styling	9:00 a.m. – 3:30 p.m.	Feb. 21	Apr. 10	Woodstock
Diesel Engine Principles	9:00 a.m. – 3:30 p.m.	Feb. 21	Apr. 10	London Z-Building
Introduction to Emergency Services: Paramedicine	9:00 a.m. – 3:30 p.m.	Feb. 21	Apr. 10	London Oxford St.
Public Safety Introduction (Police Foundations)	9:00 a.m. – 3:30 p.m.	Feb. 21	Apr. 10	London Oxford St.
Skin Care 1	9:00 a.m. – 3:30 p.m.	Feb. 21	Apr. 10	St. Thomas

<b>Term 2 May 1<sup>st</sup> – June 12<sup>th</sup></b>				
<b>Course Name</b>	<b>Time of Day</b>	<b>Start date</b>	<b>End date</b>	<b>Course Location</b>
Aviation Design Manufacturing	9:00 a.m. – 3:30 p.m.	May 1	Jun. 12	London Y-Building
Basic Bake Practical	9:00 a.m. – 3:30 p.m.	May 1	Jun. 12	London Downtown
Basic Food Preparation (Cooking)	9:00 a.m. – 3:30 p.m.	May 1	Jun. 12	London Downtown
Hair Cutting and Styling	9:00 a.m. – 3:30 p.m.	May 1	Jun. 12	Woodstock
Digital Media and Indigenous Storytelling	9:00 a.m. – 3:30 p.m.	May 1	Jun. 12	London Oxford St.
Equipment Maintenance	9:00 a.m. – 3:30 p.m.	May 1	Jun. 12	London Z-Building
Fashion Visual Merchandising	9:00 a.m. – 3:30 p.m.	May 1	Jun. 12	London Oxford St.
Introduction to Emergency Services: Paramedicine	9:00 a.m. – 3:30 p.m.	May 1	Jun. 12	London Oxford St.
Introduction to Horticulture	9:00 a.m. – 3:30 p.m.	May 1	Jun. 12	London Oxford St.
Introduction to the Golf Industry	9:00 a.m. – 3:30 p.m.	May 1	Jun. 12	London Downtown
Methods and Media in Drawing (Fine Art)	9:00 a.m. – 3:30 p.m.	May 1	Jun. 12	London Oxford St.
Practical Photography	9:00 a.m. – 3:30 p.m.	May 1	Jun. 12	London Oxford St.
Production Techniques	9:00 a.m. – 3:30 p.m.	May 1	Jun. 12	London Oxford St.
Residential Framing	9:00 a.m. – 3:30 p.m.	May 1	Jun. 12	London Oxford St.
Skin Care 1	9:00 a.m. – 3:30 p.m.	May 1	Jun. 12	St. Thomas
TV Studio Operations and Production	9:00 a.m. – 3:30 p.m.	May 1	Jun. 12	London Oxford St.
3D Intro (Video Game Design & Development)	9:00 a.m. – 3:30 p.m.	May 1	Jun. 12	London Downtown

# Winter 2024 – Term 1

## CONSTRUCTION TOOLS (CONS-1002)



Students will study the proper maintenance and safe operation of carpentry hand tools, select and use portable power tools, including circular saws, sabre saws, reciprocating saws, drills (with stand for press), routers, planers, sanders, screwdrivers, and nailers. The selection and use of stationary woodworking equipment, such as table saws, radial arm saws, jointers, and thickness planers will also be taught.

**Theory:** 30%  
**Practical:** 70%

**Methods of Evaluation:** Project-based course building a step stool and corn hole game. Final mark is calculated based on shop safety, participation and completion of the projects.

## CONTEMPORARY KNOWLEDGE (INDG-3004)



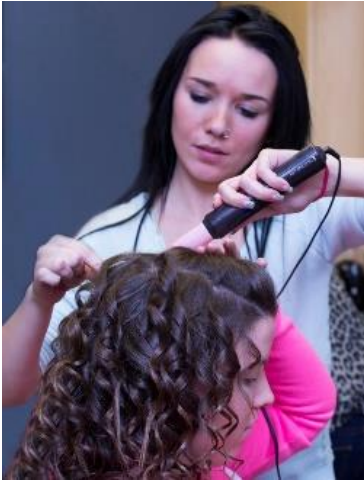
By examining current realities that are defining the evolution of Indigenous Knowledge, students will gain a foundational capacity for participating in the future growth of this knowledge. Beginning with some of the original agreements that local Indigenous groups made with Europeans, to present-day decisions affecting urban and rural Indigenous populations, students will gain the ability to navigate current power structures.

**Methods of Evaluation:**  
Discussions (30%)  
Journal/Reflective Assignments (20%)  
Bibliography (15%)  
Research Assignment (25%)  
Quizzes (10%)

\*Please note that this course incorporates mandatory experiential learning activities.

## HAIR CUTTING AND STYLING (AEST-1048)

Woodstock Campus



Upon successful completion of this course the student will be able to set and creatively style a client's hair using a variety of styling tools.

They will also be able to recommend a haircut and style based on a client's face shape, profile and hair texture.

The student will be able to perform a basic cut for women, men and children to meet the client's specifications.

**Theory:** 30%  
**Practical:** 70%

**Methods of Evaluation:**

Assignments  
Practical Quizzes  
Procedure Sheets  
Final Practical Exam

## DIESEL ENGINE PRINCIPLES (MOTP-1063)



This course covers all aspects and operation of internal combustion engines. Course content includes discussions on spark ignition engines, design features and operating principles, with special emphasis placed on current engine technologies. The study will also include engine performance and effects, fuel flows and requirements, thermodynamics, heat transfer and friction, efficiency and emission control devices.

**Theory:** 30%  
**Practical:** 70%

**Methods of Evaluation:**

Lab Assignments (x4)  
Term Tests (x3)  
Practical Lab Eval  
Final Exam

## INTRO TO EMERGENCY SERVICES PARAMEDICINE (PARA-1014)



Students are taught by active-duty Paramedics working for rural, urban and helicopter-based Emergency Medical Services (EMS).

Students will receive an overview of Emergency Services with a focus on Paramedicine and Emergency Medical Services.

Students will learn through didactic and practical simulated education in the Paramedic lab and in the college ambulance(s).

**Theory:** 50%

**Practical:** 50%

**Methods of Evaluation:**

Workbook (10%)

Theory Midterm (15%)

Theory Final (25%)

Practical Midterm (15%)

Practical Final (25%)

## PUBLIC SAFETY INTRODUCTION (PFLP-1021)



In this course student will receive an overview of Public Safety touching on the roles of Paramedics, Dispatchers, and Firefighters with the emphasis on an introduction to law enforcement.

Students will learn through theory as well as practical scenarios within the classroom. The successful student will actively participate in activities such as interviewing, group discussion & presentations, fingerprinting, arrest procedures and evidence collection.

**Theory:** 70%

**Practical:** 30%

**Methods of Evaluation:**

Duty Book Eval (10%)

Quizzes (20%)

Assignments (20%)

Mid-Term Test (25%)

Final Exam (25%)



Through supervised hands-on practice, students will learn the fundamentals of identifying different skin types; perform a skin analysis, and recognize skin conditions and disorders.

Diagnose and treat skin issues by choosing proper skincare products. Understand the importance of recommending home care products.

**Theory:** 30%

**Practical:** 70%

**Methods of Evaluation:**

*TBD*

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## Winter 2024 – Term 2

### AVIATION DESIGN MANUFACTURING (AVIA-1071)



This course is the study of the atmosphere and its effects on aerodynamics, theory of flight, stability and dynamics of both fixed wing and helicopter aircraft. With a study of the basic principles of radio transmission, reception and radio coverage techniques used in aircraft radio systems. This course is hosted at the Norton Wolf School of Aviation and Aerospace Technology at the London International Airport.

**Theory:** 50%

**Practical:** 50%

**Methods of Evaluation:**

Tests (x2; 25% each);  
Practical assignments –  
(Applied skills rubric x2; 25% each)

### BASIC BAKE PRACTICAL (BAKE-1005)



This course will provide the students with an understanding of all practical basic preparation methods and terminology related to the pastry department. The student will prepare basic pastry and pies, cookie dough, sponges, custards, pudding, meringue and bread.

**Practical:** 100%

**Methods of Evaluation:**

Weekly Evaluations (70%)  
Practical Exam (30%)



## COOKING (FDMG-1065)



The student will be instructed in all the fundamental cooking methods, terms and basic presentation of foods. It is an opportunity to learn the basic cuts and preparation techniques in a proper and professional manner.

The student will have ample opportunity to practice safe food and knife handling and familiarize themselves with the basic kitchen equipment.

**Practical: 100%**

**Methods of Evaluation:**  
Weekly Evaluations (70%)  
Practical Exam (30%)

## HAIR CUTTING AND STYLING (AEST-1048)

**Woodstock Campus**



Upon successful completion of this course the student will be able to set and creatively style a client's hair using a variety of styling tools.

They will also be able to recommend a haircut and style based on a client's face shape, profile and hair texture.

The student will be able to perform a basic cut for women, men and children to meet the client's specifications.

**Theory: 30%**  
**Practical: 70%**

**Methods of Evaluation:**  
Assignments  
Practical Quizzes  
Procedure Sheets  
Final Practical Exam

## DIGITAL MEDIA AND INDIGENOUS STORYTELLING (INDG-1006)



This course introduces students to the impact and significance of contemporary digital media culture. Students will reflect on how digital media influences and shapes people's attitudes towards a variety of topics, such as current events, cultural preservation, and entertainment. Attention will be given to how contemporary Indigenous communities use digital media to support their cultural communities. Students will explore common forms of digital media and create a culminating, team-based multimedia presentation on a cultural issue relevant to them.

**Theory:** *TBD*  
**Practical:** *TBD*

**Methods of Evaluation:**  
*TBD*

## EQUIPMENT MAINTENANCE SMALL ENGINE REPAIR (MOTP-1001)



Upon successful completion of this course, students will be able to identify and protect themselves from the safety hazards presented by powered landscaping equipment.

Students will also have demonstrated the ability to set up, maintain and perform minor repairs to outdoor power equipment used in the landscaping industry.

**Theory:** 30%  
**Practical:** 70%

**Methods of Evaluation:**  
Weekly Quizzes  
Weekly Lab Assignments

## FASHION VISUAL MERCHANDISING (MRCH-1001)



Students will learn and apply the principles of colour, design and visual merchandising techniques to display fashion products and hard goods to help generate sales.

A collaborative team environment allows for experimentation in two and three-dimensional window display design, using merchandising and store planning techniques, theories, props and tools of the trade within a cost-effective budget.

**Theory:** 40%

**Practical:** 60%

**Methods of Evaluation:**

In-Class Exercises

Assignments

Tests

## INTRO TO EMERGENCY SERVICES PARAMEDICINE (PARA-1014)



Students are taught by active-duty Paramedics working for rural, urban and helicopter-based Emergency Medical Services (EMS).

Students will receive an overview of Emergency Services with a focus on Paramedicine and Emergency Medical Services.

Students will learn through didactic and practical simulated education in the Paramedic lab and in the college ambulance(s).

**Theory:** 50%

**Practical:** 50%

**Methods of Evaluation:**

Workbook (10%)

Theory Midterm (15%)

Theory Final (25%)

Practical Midterm (15%)

Practical Final (25%)

## INTRO TO HORTICULTURE (HORT-1054)



The course will cover a range of horticulture principles from plants systems, propagation soils, to basic landscape management. Morning lectures will be followed with hands-on practical sessions guided by the professor and garden staff where students will accomplish tasks related to landscape maintenance such as plant division, pruning, plant health care, cultivation, edging and nursery production. These hand-on skills will be transferable both to the home landscape and entry level or summer jobs in the landscape profession

**Theory:** 20%  
**Practical:** 80%

**Methods of Evaluation:**  
Quizzes (x10 – 10% each)

## INTRO TO THE GOLF INDUSTRY (RECN-1062)



In this course students will be introduced to the Golf industry, both from a business perspective and a player perspective. An emphasis on the structure of the game, practical swing analysis and game improvement, the various aspects of managing a golf course and club house, and a look into the PGA of Canada. Students will learn through theory, practical assignments, group discussions and hands-on experiential learning in our golf simulator. This course will involve numerous excursions to local Golf Courses.

**Theory:**  
**Practical:**

**Methods of Evaluation:**  
*TBD*

## METHODS AND MEDIA IN DRAWING (ARTS-1071)



In this introductory course students will investigate methods and materials in drawing such as; watercolour, pencil, pencil crayon, ink, pastel and collage. Emphasis will be placed on constructing composition, design principles and directed studies of tone, texture, balance and proportion. Subject matter and visual resources will consist of studies from the object, figure, the constructed/natural landscape and pattern.

**Theory:** 10%  
**Practical:** 90%

**Methods of Evaluation:**  
Dry media (30%);  
Wet media (35%);  
Collage (10%);  
Sketchbook (10%);  
Participation (10%);  
Portfolio Review (5%)

Students will work in a variety of scales. Students will selected a theme from a list provided, and explore a single theme throughout the term applied within the use of multiple drawing media.

## PRACTICAL PHOTOGRAPHY (PHOT-1062)



This course is a practical introduction to small format digital camera techniques, and colour and B/W printmaking. The emphasis will be on learning different camera settings to control exposure and image quality. This is a project course whereby students demonstrate practical camera skills, knowledge and photographic competency by submitting regularly scheduled photographic assignments. Students can produce an optional first semester portfolio.

**Theory:** 25%  
**Practical:** 75%

**Methods of Evaluation:**  
In class work / participation (10%);  
7 photo assignments (10% each);  
2 quizzes based on theory (10% each)

Most of the work will incorporate digital workflow and image editing software, using laptop computers, inkjet printers, external hard drives, servers and other peripheral devices.

## PRODUCTION TECHNIQUES (PHOT-1008)

### *Digital Photography*



This course introduces the student to the production techniques that occur using a computer after images are captured with a camera.

Students will learn how to use professional image management software (Adobe Photoshop) to import, organize and process raw files. Students will learn basic image editing skills that will allow them to colour correct, size and enhance photographs, and to produce professional quality digital images and prints in both colour and black and white

**Theory:** 5%  
**Practical:** 95%

**Methods of Evaluation:**

In class work/  
participation (10%);  
4 photo assignments  
(10% each);  
4 quizzes (10% each);  
Final project (10%)

## RESIDENTIAL FRAMING AND BUILDING (CONS-1053)



In this dual credit course, students will apply residential building knowledge in a hands-on project-based learning environment.

Floor, wall, roof framing and basic exterior finishing techniques will be the main focus of study

**Theory:** 30%  
**Practical:** 70%

**Methods of Evaluation:**

Assignments (8%)  
Tests/Quizzes (35%)  
Practical Exercises (37%)  
Practical Evaluation (20%)

## SKIN CARE 1

St Thomas Campus



Through supervised hands-on practice, students will learn the fundamentals of identifying different skin types; perform a skin analysis, and recognize skin conditions and disorders.

**Theory:** 30%  
**Practical:** 70%

**Methods of Evaluation:**  
*TBD*

Diagnose and treat skin issues by choosing proper skincare products. Understand the importance of recommending home care products.

## TV STUDIO OPERATIONS AND PRODUCTION (TVSN-1063)



The student will receive group hands-on practical training on the mechanical and electronic function of various television operational equipment including studio camera, video, field camera, switcher, audio, character generator, server and lighting. The student will also receive practical operational experiences in broadcast production procedures and industry practices within a cooperative team-oriented learning environment and will have an opportunity to apply their hands-on training during productions throughout the term.

**Theory:** 50%  
**Practical:** 50%

**Methods of Evaluation:**  
Projects  
Assignments  
Tests

## VIDEO GAME DESIGN AND DEVELOPMENT (MMED-1049)



This course will introduce students to the 3D environment using an industry standard 3D application. Topics will include: modelling, animating, lighting and rendering techniques. This course is a means to teach fundamental concepts of 3D development with modeling, animation and rendering software. Both practical techniques and theoretical principles of 3D development will be explored. 3D modeling for game developers explores how to model and render 3D design projects.

**Theory:** 25%  
**Practical:** 75%

**Methods of Evaluation:**  
Demonstration of Skill (20%)  
Midterm Test (15%)  
Projects (35%)  
Final Practical Assessment (30%)





## Dual Credit Pathways Chart

College Course Code	Dual Credit Course Name	Post-Secondary Program	Program Code
AVIA-1071	Aviation Design Manufacturing	<i>Career Exploration</i>	--
BAKE-1005	Basic Bake Practical	Culinary Skills, Bake & Pastry Management, Food & Nutrition Management & Culinary Management	CHF2 , BPM2, CLM4 or FNM2
CONS-1002	Construction Tools	<i>Career Exploration</i>	--
FDMG-1065	Cooking (Basic Food Prep)	Culinary Skills, Bake & Pastry Management, Food & Nutrition Management & Culinary Management	CHF2 , BPM2, CLM4 or FNM2
FDMG-1067	Food and Bake Theory	Culinary Skills, Bake & Pastry Management, Food & Nutrition Management & Culinary Management	CHF2 , BPM2, CLM4 or FNM2
AEST-1048	Cutting & Styling	<i>Hairstyling Apprentice - Career Exploration</i>	--
MOTP-1063	Diesel Engine Principles	<i>Career Exploration</i>	--
MOTP-1001	Equipment Maintenance (Horticulture)	Horticultural Equipment Technician	HTN1
MRCH-1001	Fashion Visual Merchandising	Fashion Merchandising	FMC2
PARA-1014	Intro to Emergency Services Paramedic	<i>Public Safety - Career Exploration</i>	--
PFLP-1021	Intro to Public Safety (Police Foundations)	<i>Career Exploration</i>	--
ARTS-1071	Methods and Media in Drawing	Fine Art	FAF1, FAS1
PHOT-1062	Practical Photography (Camera Applications)	Photography	PHT1
PHOT-1008	Production Techniques (Digital Photography)	Photography	PHT1
CONS-1053	Residential Framing and Building Services	<i>Career Exploration</i>	--
AVIA-1064	Shop Safety and Aircraft Tools	<i>Career Exploration</i>	--
AEST-1052	Skin Care 1	Esthetics Certificate	AES2
TVSN-1063	TV Studio Operations and Production	<i>Career Exploration</i>	--
MMED-1022	Video Game Design - Intro to 3D	<i>Career Exploration</i>	--