2024-2025 Dual Credit Program Descriptions

TRY COLLEGE FOR FREE! - No cost for transportation, textbooks, or course materials.

SEMESTER 1 PROGRAMS (September 2024 – January 2025)

AM Mohawk Bridge: Developmental Psychology & Health and Wellness (Fennell Campus)

Developmental Psychology:
In this course, students will explore the study of human development from conception to death focusing on physical, cognitive, social and personality growth throughout the lifespan. Students will also identify developmental strategies to adapt to change, to clarify and achieve goals, and to balance how to manage time and priorities for personal development and academic benefit.

Introduction to Health and Wellness:
Students will explore the seven basic dimensions of wellness. The social, intellectual, emotional, occupational, environmental, spiritual and physical components allow for a balanced approach to lifestyle choices. Lifestyle choices have a direct impact on an individual's short- and long-term health potential. Students will discuss methods of achieving one's potential in each of the interrelated dimensions.

PM Mohawk Bridge: Positive Psychology & Movies, Identity and Culture (Fennell Campus)

Positive Psychology:
In this course, students will explore various pathways to well-being, as we learn evidence-based strategies with roots in the science of Positive Psychology. Discover

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ways in which you can improve your mindset, increase self-awareness and self-understanding, cultivate flourishing relationships, practice self-care, and align your life with your values and purpose. By practicing a variety of these interventions, we can learn to flourish in our personal, interpersonal and professional lives, as we create a life worth living.

Movies, Identity and Culture:
Students will examine the impact of popular movies on society. Students will analyze how the use of language in movies affects perceptions of self-identity. Students will deconstruct social issues through movies and propose changes to real-world issues.

PM Graphic Design: Graphic Design Layout 1 & Animation
(Fennell Campus)

Graphic Design Layout 1:
Students will produce various single and multi-page documents while utilizing the tools used in page layout software. They will follow basic character and paragraph formatting, along with basic elements and principles design.

Animation:
Analyzing animated films from various eras and styles will give the student an understanding of the animation process and techniques. They will gain an overall appreciation of the history and current techniques of animation.

AM Welding: Introduction to Welding & Math Trade Calculations
(Stoney Creek Campus)

Introduction to Welding:
Students will learn introductory welding practices and welding safety. The students will practice safe set up and use of welders and oxy-acetylene rig to weld, braze and cut steel.

Trade Calculations-Math Techniques:
This course will enable the student to complete unit conversions, convert between systems of measurement and convert between fractions and decimals. Students will solve algebraic equations, apply trigonometry and solve problems related to force, motion and control. Technical problems will be solved through application and interpretation of mathematical data.

SEMESTER 2 PROGRAMS (February 2024 – June 2025)

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AM Aviation: Introduction to Aircraft Engines & Basic Aircraft Systems (Aviation Campus)

Introduction to Aircraft Engines:
The students will explore aircraft propulsion systems and work on aircraft engines and their components. They will analyze the function, characteristics and classifications of lubricants. Students will be able to perform calculations, including power, horsepower, thermal efficiency, and compression ratios.

Basic Aircraft Systems:
Students will investigate wing and rotary aircraft hydraulic and pneumatic components, simple systems, back-up systems, hydraulic seats, bearings and lubrication. Students will practice bearing removal, inspection and installation.

PM Computer Engineering Technician: HTML and CSS & Introduction to Networking (Fennell Campus)

HTML and CSS
Students will create web pages using Hypertext Markup Language (HTML), format web pages using Cascading Style Sheets (CSS), and create web pages that include lists, links, images, web tables, and web forms, styled with CSS. Students will use Web Accessibility Initiative (WAI) rules for accessibility compliance in design.

Introduction to Networking:
Students will administer Microsoft Windows and UNIX hosts within a virtualized environment. Students will design and implement common network-level services. Students will create and utilize software development environments.

PM Health Care: Structure and Function of the Human Body & Communication for Personal Support Workers (IAHS Campus @ McMaster)

Structure and Function of Human Body:
Students will examine the normal structures and functions of the human body and its system. Upon successful completion of the course, learners will be able to use the appropriate terminology related to anatomy, physiology, and organization of the human body. They will be able to describe the anatomy, physiology, and location of cells, tissues, and organs of the following body systems: integumentary, nervous, endocrine, musculoskeletal, cardiovascular, respiratory, lymphatic, circulatory, immune, gastrointestinal, urinary, reproductive, and special needs. Normal physiology of aging will be explored.

Communications for Personal Support Workers:
Students will apply principles of communication that transfer to real-world scenarios to meet the needs of the intended audience. They will develop the reading, writing, critical thinking, and oral skills essential to be an effective communicator. Students will conduct, evaluate, and use research from appropriate sources.

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HWDSB

SCAN ME

Please see your guidance counsellor to determine if a Dual Credit program is right for you.
To access the 2024-2025 Dual Credit application, use the QR code: HWDSB Dual Credit website.

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