

Sheridan College Dual Credit Course Descriptors Fall 2019

Davis Campus - 7899 McLaughlin Road, Brampton, Ontario L6Y 5H9

~ One Credit Courses ~

Course Name: Operating System Technologies

A+ Certification Prep (Previous Computer Experience Recommended)

College Code: SYST19866

Secondary School Code: IBK4T

Passing Grade: 50%

Credit Value: 1

Start Date: Week of September 17th, 2019 (one day per week, 2:00 PM – 5:00 PM)

Course Descriptor:

Students will gain knowledge of industry current operating systems through research and hands-on labs. Students will also be learning basic numbering systems used in computer architecture i.e. binary and hexadecimal and will be introduced to Boolean logic.

Course Name: Foundations of Play-Based Experiences

College Code: EDUC11582

Secondary School Code: TOB4T

Passing Grade: 50%

Credit Value: 1

Start Date: Week of September 10, 2019 (one day per week, 2:00 PM – 5:00 PM)

Course Descriptor:

An emphasis is placed on the importance of play and developmentally appropriate practice specific to preschoolers in early learning and care environments in order to foster and facilitate learning related to the development of logical mathematical skills, creativity, fine motor and sensory development. Issues related to the adult-child relationship, human development and the types of experiences that young children engage in are discussed as they influence children's ability to learn through play. The ingredients of active learning and the High/Scope key developmental indicators are highlighted as an example of developmentally appropriate practice. At the conclusion of this course, students have a greater awareness of their future role as Early Childhood Educators in facilitating and promoting active learning for young children. An emphasis is placed on the importance of play and developmentally appropriate practice specific to preschoolers in early learning and care environments in order to foster and facilitate learning related to the development of logical mathematical skills, creativity, fine motor and sensory development. Issues related to the adult-child relationship, human development and the types of experiences that young children engage in are discussed as they influence children's ability to learn through play. The ingredients of active learning and the High/Scope key developmental indicators are highlighted as an example of developmentally appropriate practice. At the conclusion of this course, students have a greater awareness of their future role as Early Childhood Educators in facilitating and promoting active learning for young children.

Course Name: Introduction to Construction Trades

College Code: MAACH16367

Secondary School Code: TSL4T

Passing Grade: 50%

Credit Value: 1

Start Date: Week of September 18th 2019 (two days per week, 9:00 AM – 3:30 PM)

Course Descriptor:

Students are introduced to a variety of working techniques applicable to the construction industry such as: Carpentry, framing, dry walling, taping and finishing. They are involved in the building of structures, the installation of wire items including lights, electrical receptacles and switches etc. Students also experience the basic fundamentals of installing plumbing fixtures.

~ Three Course Packages ~

Course Package Name: Electrical

Course Name: Pre-Trades Safety

College Code: ENGI19599

Secondary School Code: TNL4T

Passing Grade: 50%

Credit Value: 1

Start Date: Week of September 17th 2019 (two days per week, 9:00 AM – 3:30 PM)

Course Descriptor:

In this course the student will develop an understanding of important areas of workplace safety: WHMIS, Young Workers Awareness, Electrical Safety, Tag and Lockout, First Aid and CPR. Students are taught how to stay safe in a potentially dangerous environment. Students will learn about the common causes of workplace accidents, how to foresee and prevent them from happening. Successful completion of the first aid and CPR training will lead to a Standard plus Level C CPR certification.

Course Name: Construction Residential Prints and Standards

College Code: TECH10065

Secondary School Code: TBO4T

Passing Grade: 50%

Credit Value: 1

Start Date: Week of September 17th, 2019 (two days per week, 9:00 AM – 3:30 PM)

Course Descriptor:

In this course students learn to interpret electrical codes, regulations and residential construction drawings. This skill and knowledge will enable them to plan and layout the electrical installation of a typical home. Students are taught how to search for and find the information required to independently complete a material list necessary in the electrical construction of a residential service and the associated branch circuits.

Course Name: Construction Skills Training 1

College Code: ELEY10146

Secondary School Code: TNJ4T

Passing Grade: 50%

Credit Value: 1

Start Date: Week of September 17th or 19th, 2019 (two days per week, 9:00 AM – 3:30 PM)

Course Descriptor:

After completing this course the student will have been taught to interpret the symbols on schematic diagrams and electrical layout diagrams and match these to typical real world devices. Time spent in the workshop area allows students to develop the skills required for safe and correct electrical connections. This skill and knowledge enables students to plan, layout and build electrical installations found in a typical home. Students develop electrical skills required to enable them to work safely and competently with basic building materials and tools common in residential construction.

Course Package Name: Plumbing

Course Name: Practice & Theory 1

College Code: TSKL13431

Secondary School Code: TSB4T

Passing Grade: 50%

Credit Value: 1

Start Date: Week of September 19, 2019 (two days per week, 9:00 AM – 3:30 PM)

Course Descriptor:

Students learn to use plumbing tools in a safe and efficient manner. Techniques in cutting and joining different materials are practiced. Precision measuring and checking techniques are used throughout the course. Fitting and assembly projects are completed using, hand tools and power tools common to the plumbing industry.

Course Name: Trade Safety

College Code: ENGI16408

Secondary School Code: TSM4T

Passing Grade: 50%

Credit Value: 1

Start Date: Week of September 19, 2019 (two days per week, 9:00 AM – 3:30 PM)

Course Descriptor:

Students learn how to work safely in a potentially dangerous environment. Specifically, they learn how to identify hazardous conditions and how to prevent work place accidents. Personal, work place and machinery/equipment safety are emphasized throughout the course. Students learn how to re-search safety related issues (i.e.: legislation and regulations) using the internet. Students participate in interactive lectures, discussions, demonstrations and role plays. Successful completion of the first aid and CPR training will lead to a Standard plus Level C CPR certification.

Course Name: Blueprint Reading and Trade Documentation

College Code: TSKL18263

Secondary School Code: TDF4T

Passing Grade: 50%

Credit Value: 1

Start Date: Week of September 19, 2019 (two days per week, 9:00 AM – 3:30 PM)

Course Descriptor:

Students learn to read, interpret, and apply information from construction drawings and specifications. Within these drawings, they learn to identify surfaces and objects, both hidden and in view, and study isometrics, sections and dimensions. Students create basic shop drawings using sketching and drafting techniques and tools.

Course Package Name: Precision Machining and Welding

Course Name: Precision Machining 1A

College Code: TSKL15738

Secondary School Code: TZA4T

Passing Grade: 50%

Credit Value: 1

Start Date: Week of September 19, 2019 (two days per week, 9:00 AM – 3:00 PM)

Course Descriptor:

Students are introduced to the applications of machine tools, specifically engine lathes, drill presses and milling machines, the types of cutting tools and hand tools employed to set-up and safely perform machining operations. In addition, precision measuring techniques and machining processes are demonstrated.

Course Name: Trade Safety

College Code: ENGI18634

Secondary School Code: TME4T

Passing Grade: 50%

Credit Value: 1

Start Date: Week of September 19, 2019 (two days per week, 9:00 AM – 3:00 PM)

Course Descriptor:

Students learn how to work safely in a potentially dangerous environment. Specifically they learn how to identify hazardous conditions and how to prevent work place accidents. Personal, work place and machinery/equipment safety are emphasized throughout the course. Students learn how to re-search safety related issues (i.e.: legislation and regulations) using the internet. Students participate in interactive lectures, discussions, demonstrations and role plays. Successful completion of the first aid and CPR training will lead to a Standard plus Level C CPR certification.

Course Name: Welding and Cutting Processes

College Code: ENGI14579

Secondary School Code: TLJ4T

Passing Grade: 50%

Credit Value: 1

Start Date: Week of September 19, 2018 (two days per week, 9:00 AM – 3:00 PM)

Course Descriptor:

Students are introduced to the principles and fundamental processes of arc welding, oxy-fuel cutting, power units and their controls. Emphasis is placed on the safe setup and operation of oxy-fuel welding and cutting equipment. In the labs, students practice with oxy-fuel cutting/welding equipment. Students participate in demonstrations, lab bases activities, interactive lectures and discussions.