



**RICHMOND REGIONAL  
HIGH SCHOOL**

**INFORMATION BOOKLET**

**and**

**COURSE SELECTION**

**for**

**SECONDARY 5**

**2017-2018 SCHOOL YEAR**

# WHAT YOU NEED TO KNOW BEFORE CHOOSING YOUR PATHWAY OR OPTIONS

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If your goal is to enter a D.E.P. (Vocational Education Program) you will need the following:

- You have obtained a high school diploma (see requirements below)

**Or**

- You are 16 years of age and have obtained credits for Secondary IV English Language Arts, French Second Language and Mathematics. (If this is your intention, then the Tech Path Program may be for you.)

## **Samples of D.E.P. Programs:**

Industrial Mechanic  
Hairdressing  
Professional Cooking  
Cabinet Making  
Auto Mechanics  
Construction Trades (Plumbing, Carpentry, etc.)  
Home Care Assistance  
Electricity

## **Requirements needed for a Secondary Diploma:**

The Minister shall award a Secondary School Diploma to students who earn at least 54 credits at the Secondary 4 or 5 levels. Among those credits, there must be at least 20 credits at the Secondary 5 level and:

- Secondary 5 English Language Arts
- Secondary 5 French Second Language
- Secondary 4 Mathematics
- Secondary 4 Science
- Secondary 4 History and Citizenship Education
- Secondary 4 Arts Education (Arts, Dance, Drama or Music)
- Secondary 5 Ethics and Religious Culture or Physical Education and Health

**For more information about programs in Vocational Education check the website at:**

**[www.inforoutefpt.org](http://www.inforoutefpt.org)**

**or see your guidance counselor**

**If you plan to attend CEGEP (college studies) once you have obtained your high school diploma:**

**CEGEPs offer two kinds of programs:**

- Pre-University:  
2 year general programs of study for students who wish to continue their education at the university level
- Career Technologies:  
3 years specialized career program for students who wish to either enter the work force once they have completed their college studies or continue on to university

Along with requiring a high school diploma, some CEGEP programs have additional course requirements:

**PRE-UNIVERSITY PROGRAMS (2 YEARS):**

<b>Programs</b>	<b><u>Leading to programs such as:</u></b>	<b><u>High School courses required</u></b>
Sciences (Health and Pure and Applied Sciences)	Dentistry, Medicine, Pharmacy Veterinary Medicine, Physiotherapy, Occupational Therapy, Architecture, Engineering and Computer Science	Sec.5 Math Science Option Sec. 5 Chemistry and Sec. 5 Physics
Social Science	Anthropology, Criminology, Social Work, Law, Education, Psychology, History and Economics	Sec. 4 Cultural, Social and Technical Math
Social Science (with Math)	Commerce, Accounting, Finance, Marketing and Advertising	Sec. 5 Math Science Option
Creative Arts	Cinema, Communications, Journalism	Sec. 4 Cultural, Social and Technical Math
Liberal Arts	Translation, Linguistics, Languages, Journalism Classics, Education, History, Law	Sec. 4 Cultural, Social and Technical Math
Arts	Fine Arts, Music, Graphic Arts	Sec. 4 Cultural, Social and Technical Math

**CAREER OR TECHNOLOGY PROGRAMS (3 YEAR):**

**Programs in the...**

Biological sciences (Animal Health, Dental Hygiene, Nursing, Diagnostic Imaging, etc.)	- Many require math science option - <u>Usually</u> requires Secondary 4 Environmental Science and perhaps Sec. 5 Chemistry or Physics
Physical sciences (Architectural Tech., Mechanical Engineering Tech., Industrial Electronics, etc.)	- at least Sec. 4 Math: Science Option - <u>often</u> requires Sec. 5 Chemistry &/or Physics
Social Science (Police Tech., Special Care Counseling, Early Childhood, etc.)	- Sec. 4 Cultural, Social and Technical Math
Administrative (Accounting, Advertising Management, etc.)	- Check program – some need math science option, some don't
Applied Arts (Music, Theatre, Photography, Graphic or Interior Design, etc.)	- Sec. 4 Cultural, Social and Technical Math - May also have to submit a portfolio or audition

\* For more information on specific CEGEP prerequisites: [www.mels.gouv.qc.ca/ens-sup/ens-coll/Cahiers/treparti.asp](http://www.mels.gouv.qc.ca/ens-sup/ens-coll/Cahiers/treparti.asp) or see your guidance counselor

\* Explore occupations and fields of study at [www.careercruising.com](http://www.careercruising.com)  
Username: Richmond Password: Regional

## Course Descriptions – Options (2017-2018)

**Chemistry 5** – (4 credits at Sec. 5) This course focuses on four general concepts: gases and their applications; energy in chemical reactions, rate of chemical reactions, and chemical equilibrium. Pre-requisite: Environmental Science.; All of these concepts require mathematical applications, therefore, a strong background in math and science is necessary.

**Exploration of Vocational Education (Shops)** – (4 credits at Sec. 4 or 5) This course will allow students to explore vocational education shops such as mechanics, welding and woodworking.

**Independent Living** – (4 credits at Sec. 4 or 5) Basic food preparation and budgeting are the main theme of this course. Students will learn about the food pyramid and how to select, purchase, and prepare healthy meals and snacks. As well, we will look at culinary delights from other cultures around the world. The year will end with a compilation of a personal cookbook and menu filled with the student's personal favorites. It promises to be a fun, informative and yummy year.

**Fitness** - (4 credits at Sec. 4 or 5) Students will learn how to develop their global fitness level. This goal will be achieved by using different methods of training, learning basic anatomy and by experiencing different sports and activities. The student will work on fitness-related projects such as current sports and events (i.e. Olympics). The student will acquire the knowledge necessary to make healthy choices with regards to improving their fitness level (nutrition, weight-training, healthy habit..etc.).

**Leadership** - (4 credits at Sec. 4 or 5) This course is aimed for students who are interested in developing essential leadership skills, while developing school activities and school spirit. This course will focus on building and learning the necessary skills of a leader and then putting these skills into practice throughout the school by organizing various activities. This course entails participation, hard work, extra time and school spirit. It offers experience in communication, teamwork, public speaking and most importantly fundamental leadership skills.

**Mechanics/Metalwork/Welding** - (4 credits at Sec. 4 or 5) Create/design your own metal project with the aid of hand and power tools such as hacksaw, file, angle grinder, welder, plasma cutter etc. Learn how to do basic maintenance and in depth work on vehicles such as a car, truck, small engines, skidoo, 4-wheeler etc.

**Music Multimedia** – (4 credits at Sec. 4 or 5) Students should have an interest in creating their own music while using technology and instruments. They will create podcast, jingles and songs with the help of the software Garage Band.

**Photography/Videography** – (4 credits at Sec. 4 or 5) This class focuses on the theory and practice of both photography and videography. Students will learn how to use a camera and its functions along with different skills and techniques based in the art form. There will be many mini field trips as part of many projects will happen outside the classroom. This class is also focused on creating portfolios and to help with college applications within the fine arts.

**Physics 5** – (4 credits and Sec. 5) This course is a pre-requisite for several science and technology courses in CEGEP. Students should have an interest in understanding natural and technological topics such as: the nature of light, reflection and refraction of light, vision optics, motion (displacement, velocity, acceleration) force, machines, work, energy and power. Students are required to mathematically model these concepts so a strong background in Math and Science is essential. Pre-requisite: Environmental Science.

**Spanish** – (4 credits at Sec. 4 or 5) Students should have an interest in learning a third language and exploring the language and culture of the peoples of Hispanic countries. This course will enable students to get along with the basic vocabulary as well as acquaint them with the art, music, folklore and geography of these countries.

**Wood** - (4 credits at Sec. 4 or 5) Use your own inspiration to create/design your own wood project next to some of the compulsory projects. Basic safety regulations as well as individual projects will be covered in each shop.

**Note:** With the exception of Physics and Chemistry, not all the above courses will be offered. This will be determined by student enrolment.