

# Adult Basic Education

# LEVEL III PROGRAM GUIDE

2022

Literacy and Institutional Services Division  
Department of Education  
Government of Newfoundland and Labrador



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## 1. INTRODUCTION

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### 1.1 BACKGROUND

The Adult Basic Education (ABE) program was designed with the intent of providing adults who have not completed high school with the opportunity of acquiring a solid, high quality high school equivalency to function in society, and to access further education, training, and employment opportunities.

In Newfoundland and Labrador, one of the avenues for achieving high school equivalency is through the provincial Adult Basic Education program. The ABE program consists of three levels: Level I (basic literacy and numeracy skills); Level II (transitional skills similar to grades 7 – 9); and Level III (corresponds to grades 10 – 12). A minimum of 36 credits in Level III are required in order to graduate ABE and receive high school equivalency. ABE is delivered using provincially developed curriculum and is predominantly a self-paced, individualized, classroom-based program. The ABE program is currently delivered on a full-time basis by public and private colleges, and community-based organizations in rural and urban locations throughout the province. At select locations, ABE is also delivered on a part-time basis, through e-Learning (Level I only), and through evening classes.

All related ABE curriculum documents are posted on the Department of Education website at the following link: <https://www.gov.nl.ca/education/adult-literacy/adult-basic-education-publications/abe-curriculum-documents/>. Instructors and administrators of ABE programs should familiarize themselves with all ABE related documents (Study Guides, Curriculum Guides, Program Guides, Transfer Guide, etc.).

### 1.2 PURPOSE OF THE ABE PROGRAM GUIDE

The provincial high school curriculum has undergone extensive changes over the past as the Province of Newfoundland and Labrador has worked collaboratively with Prince Edward Island, Nova Scotia and New Brunswick on the development of an Atlantic Provinces Curriculum.

The Department of Education has recognized the need to develop new courses in the Adult Basic Education program in order to ensure that the program continues to reflect the provincial high school program. As curriculum is updated at the high school level, the ABE curriculum is also updated.

This guide will review the three graduation profiles, the graduation requirements for each profile and bring the service providers up-to-date with the latest changes in curriculum.

### 1.3 NEW UPDATES

The 2022 ABE Level III Program Guide contains updated information since the publication of the 2010-2011 Interim Program Guide. The greatest change to the ABE program is the implementation of new curriculum to maintain equivalences with the high school curriculum.

#### MATH

As of January 2021, all ABE Math courses will have direct equivalence with the high school courses and vice versa. This was not the case with the former general math curriculum.

#### ENGLISH

In April 2021, all ABE students started to complete new English curriculum to maintain equivalency with the high school curriculum.

#### SCIENCE

The science curriculum also has updated curriculum since the last publication of the program guide. Science 3107 and Science 3108 were developed to replace IS 3214. The academic science courses are due to be updated next.

#### EMPLOYABILITY

The Career Development course, IE 3213, has been updated with new learning outcomes to correspond with the new high school career course. As well, Career Development IE3313 has been created to allow students to transfer credits back to their high school transcripts.

ABE instructors are encouraged to take advantage of the K-12 Professional Learning Website. The K-12 Professional Learning website, <https://www.k12pl.nl.ca/>, was created by the Department of Education to help teachers acquire the knowledge, skills and instructional practices to meet their own and students' evolving needs. For ABE instructors, it can be used to increase knowledge and skills as well as to provide learning resources for you and your students for courses that currently have equivalency to K-12 courses.

## 1.4 CONTACT INFORMATION

If you have any questions regarding the contents of this program guide, please contact:

**ABE Program Development Specialist**

Literacy and Institutional Services Division

Department of Education

Telephone: 709-729-6828

## 2. LEVEL III GRADUATION PROFILES

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Students have the option to select between 3 graduation profiles. The profile a student selects should depend on their academic ability and future education plans. It is important to note that students who select either the Degree and Technical Profile or the Business-Related College Profile can switch to the General College Profile at any time without having to complete any extra courses or extending time in school. However, if a student selected the General College Profile and wanted to switch to another profile, they would most likely have to do extra courses in the core subject areas that would mean more time would be required to complete their ABE diploma.

Degree and Technical Profile	Business-Related College Profile	General College Profile
<p>This Profile correlates with the provincial Senior High School's <i>Academic</i> program. The Profile is designed for students who intend to go on to University or other post-secondary programs which require an equivalent level of secondary education (for example, Engineering Technology, Natural Resources and Health Sciences programs).</p> <p><b><u>ABE Course Requirements</u></b></p> <p>English Language Arts (Academic) Mathematics (Academic) Science (Academic) Adult-Oriented Electives: Social Studies Technology Economic Education Post-Secondary Personal Development/Career Awareness General Options/Any Subject Area</p>	<p>This Profile correlates in large measure with the provincial Senior High School's <i>Academic</i> program. However, course requirements make it a more appropriate preparation for entry into business-related college level programs (for example, Business Administration, Business Management, and Information Technology programs).</p> <p><b><u>ABE Course Requirements</u></b></p> <p>English Language Arts (Academic) Mathematics (Academic) Science (General or Academic) Adult-Oriented Elective: Social Studies Technology Economic Education Post-Secondary Personal Development/Career Awareness General Options/Any Subject Area</p>	<p>This Profile correlates with the provincial Senior High School's <i>General</i> program. The Profile is designed for students who intend to go on to post-secondary programs which require a high school graduation from the General program (for example, Office Administration, Industrial Trades and some Applied Arts programs).</p> <p><b><u>ABE Course Requirements</u></b></p> <p>English Language Arts (General) Mathematics (General) Science (General) Adult-Oriented Electives: Social Studies Technology Economic Education Post-Secondary Personal Development/Career Awareness General Options/Any Subject Area</p>

Students can no longer graduate from ABE under any of the former graduation requirements. The ABE database is programmed to only allow students to graduate under the current graduation requirements as stated in the chart below.

**2016+ Graduation Requirements**  
**Fully implemented Fall 2020**  
**Minimum Credits for Graduation—36**

<b>Degree and Technical Profile</b>	<b>Business-Related College Profile</b>	<b>General College Profile</b>
<b>English (9 Credits)</b>	<b>English (9 Credits)</b>	<b>English (9 Credits)</b>
<p>English 1101A, 1101B, 1101C +          English 2101A, 2101B, 2101C +          English 3101A, 3101B, 3101C</p> <p>If a student has met the Academic English graduation requirement in high school the same is true for the English graduation requirement in the Degree-Technical Profile. Instructors should follow the guidance in the <i>Interim Program Guide and Transfer Guide</i> for granting English equivalency credits.</p>	<p>English 1101A, 1101B, 1101C +          English 2101A, 2101B, 2101C +          English 3101A, 3101B, 3101C</p> <p>If a student has met the Academic English graduation requirement in high school the same is true for the English graduation requirement in the Business-Related College Profile. Instructors should follow the guidance in the <i>Interim Program Guide and Transfer Guide</i> or granting English equivalency credits.</p>	<p>English 1102A, 1102B, 1102C +          English 2102A, 2102B, 2102C +          English 3102A, 3102B, 3102C</p> <p>If a student has met the General English graduation requirement in high school the same is true for the English graduation requirement in the General College Profile. Instructors should follow the guidance in the <i>Interim Program Guide and Transfer Guide</i> for granting English equivalency credits.</p>
<b>Mathematics (9 Credits)</b>	<b>Mathematics (9 Credits)</b>	<b>Mathematics (6 Credits)</b>
<p>Students MUST meet 1 of the combinations listed below:</p> <p>1) Math 1101A, 1101B, 1101C +          Math 2101A, 2101B, 2101C +          Math 3101A, 3101B, 3101C</p> <p>or</p> <p>Math 1104ABC, Math 2104ABC,          Math 3101ABC</p> <p>2) A student who transfers Math 1104ABC--Math2104AB into the 2016 graduation requirements will receive 1-5 n/s 2015 math credits and is required to complete all 9 2016 Math credits.</p> <p>3) A student who transfers Math 1204 from high school will be given 3 n/s 2016 Math credits, and is required to complete all 9 2016 Math credits.</p> <p>4) A student who transfers Math 1204 + Math 2204 from high school will be given 6 2016 Math credits, and be required to complete Math 3101ABC.</p> <p>5) A student who has completed the Academic Math graduation requirements (evidenced by an</p>	<p>Students MUST meet 1 of the combinations listed below:</p> <p>Math 1101A, 1101B, 1101C +          Math 2101A, 2101B, 2101C +          Math 3101A, 3101B, 3101C</p> <p>or</p> <p>Math 1104ABC, Math 2104ABC,          Math 3101ABC</p> <p>2) A student who transfers Math 1104ABC--Math2104AB into the 2016 graduation requirements will receive 1-5 n/s 2015 math credits and is required to complete all 9 2016 Math credits.</p> <p>3) A student who transfers Math 1204 from high school will be given 3 n/s 2016 Math credits, and is required to complete all 9 2016 Math credits.</p> <p>4) A student who transfers Math 1204 + Math 2204 from high school will be given 6 2016 Math credits, and be required to complete Math 3101ABC.</p> <p>5) A student who has completed the Academic Math graduation requirements (evidenced by an</p>	<p>Students MUST meet 1 of the combinations listed below:</p> <p>1) Math 1102A, 1102B, 1102C +  <b>+ one of the following groupings:</b>          Math 2102A, 2102B, 2102C          or          Math 3102A, 3102B, 3102C</p> <p>or</p> <p>Any Degree and Technical Profile Mathematics credits count towards the required 6. If a student has Mathematics 1101A/B/C completed, he/she will select either Math2102A/B/C OR Math 3102A/B/C.</p> <p>2) A student who transfers Math 1201 from high school will be given 3 ABE credits for Math 1101A/B/C and will complete the following:          Any 3 credits from the following groupings:          Math 2102A, Math 2102B, Math 2102C          or          Math 3102A, Math 3102B, Math 3102C</p> <p>3) A student who transfers Math 1206 from high school, will be given 3 ABE credits and will complete the following:</p>

<p>official transcript) at any time in their previous schooling, the same is true for the 2016 DT/BRC Profile math graduation requirements (use the Mathematics override on the ABE database).</p>	<p>official transcript) at any time in their previous schooling, the same is true for the 2016 DT/BRC Profile math graduation requirements (use the Mathematics override on the ABE database).</p>	<p>Any 3 credits from the following groupings:</p> <p>Math 2102A, Math 2102B, Math 2102C</p> <p><b>or</b></p> <p>Math 3102A, Math 3102B, Math 3102C</p> <p>4) If a student has completed any other math credits from high school, then these credits will be transferred to the General College Profile on a one-to-one basis. The student must then complete sufficient credits to make up a total of 6 credits.</p> <p>5) If a student has met the math graduation requirements in high school or a previous ABE program the same is true for the 2016 General College Profile math graduation requirements (use the Mathematics override on the ABE database).</p>
<p><b>Science (8 Credits)</b></p> <p>Credits must include:</p> <p><b>2 credits from:</b></p> <p>Biology 1101 Chemistry 1102 Physics 1104 Earth Systems 1109</p> <p><b>+ one of the following groupings:</b></p> <p>Biology 2101A, 2101B, 2101C Biology 3101A, 3101B, 3101C <b>or</b> Chemistry 2102A, 2102B, 2102C Chemistry 3102A, 3102B, 3102C <b>or</b> Physics 2104A, 2104B, 2104C Physics 3104A, 3104B, 3104C</p>	<p><b>Science (6 Credits)</b></p> <p>Students working under the <i>Business-Related College Profile</i> may follow the graduation requirements in science for <b>either</b> the Degree and Technical Profile <b>or</b> the General College Profile, to a minimum of 6 credits.</p>	<p><b>Science (6 Credits)</b></p> <p>Students MUST meet 1 of the combinations listed below:</p> <p>1) Credits must include:</p> <p>3 credits from the following:</p> <p>Science 3101 Science 3102 Science 3103 Science 3104 Science 3105 Science 3106 Science 3107 Science 3108</p> <p>+3 credits from:</p> <p>The list above or</p> <p>Science 2100A Science 2100B Science 2100C <b>or</b> Any science from the Degree-Technical Profile</p> <p>2) A student who transfers Science 1200 from high school will be given 3 non-specific science credits and will need to complete the following:</p> <p>3 credits from the following:</p> <p>Science 3101 Science 3102 Science 3103</p>

		<p>Science 3104 Science 3105 Science 3106 Science 3107 Science 3108 <b>or</b> Any science from the Degree-Technical</p> <p>3) A student who transfers Science 2200 from high school without Science 1200 will be given 3 ABE credits for Science 2100A, 2100B, 2100C and will complete 3 credits from: Science 3101 Science 3102 Science 3103 Science 3104 Science 3105 Science 3106 Science 3107 Science 3108 <b>or</b> Any science from the Degree-Technical Profile</p> <p>4) A student who transfers Science 3200 from high school without either Science 1200 or Science 2200 will be given 3 non-specific science credits and will complete: 3 credits from: Science 3101 Science 3102 Science 3103 Science 3104 Science 3105 Science 3106 Science 3107 Science 3108 <b>or</b> Any science from the Degree-Technical</p> <p>5) If a student has completed any other science credits from high school not covered by the above, then the student will receive non-specific science credits on a one-to-one basis and will make up a total of 6 credits from: Science 3101 Science 3102 Science 3103 Science 3104 Science 3105</p>
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		<p>Science 3106 Science 3107 Science 3108 <b>or</b> Any science from the Degree-Technical Profile</p> <p>6) If a student has met the science graduation requirement in high school, the same is true for the science graduation requirement in the General College Profile.</p> <p><b>Note: Students cannot receive credit for both Science 2200 (Science 2100A/B/C) and Science 1206 (Biology 1101, Chemistry 1102, Physics 1104 and Earth Systems 1109).</b></p>
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<b>All Profiles</b>			
<b>Personal Development and Career Awareness (4 Credits)</b>			
Economics Education 3101A, 3101B	Computer Technology 3101, 3102	IE 3213 Career Awareness	IE 3214 Personal Development
<b>Adult-Oriented Electives (AOEs)</b>		<b>General Options</b>	
Additional credits as needed to make up the minimum of 36 credits  Healthy Living 3101, 3102, 3103 History 3201, 3202 Parenting 3200 Social Science 3200		Maximum of 10 credits IG 3221 Human Geography (until replacement is developed) Non-Specific Credits transferred from high school Maturity Credits (up to a maximum of 5) Level II Equivalency Credits (up to a maximum of 4) Equivalency Credits for courses other than those described by Level III	
Note: Students can still take extra credits from the subject areas above; however, these credits will be awarded in their respective subject category. For example, extra credits in Science will appear on the transcript under the Science category, etc.			

When students enroll into ABE, their current level of education is assessed and a plan to reach graduation is determined. However, if a student leaves the program and returns, the graduation requirements may have changed. Students are required to follow the newest graduation requirements in order to obtain their diploma.

## Other Options for ABE Graduation under the General College Profile

Courses from *Degree and Technical Profile* may be used to satisfy the graduation requirements for the *General College Profile*, **provided all pre-requisite courses are completed**. As with the high school program, courses of a higher academic level may be used to satisfy general graduation requirements **but not vice versa**. In other words, students in the *General College Profile* who excel in a particular subject area may take the more academic courses in that subject area and still meet the requirements for graduation under the *General College Profile*. This versatility will maximize the ways in which ABE students can accrue credits and allow for tailoring of the program to better prepare ABE students to compete in post-secondary programs. A student who starts ABE under the Degree and Technical Profile and wishes to switch to the General College Profile can transfer all credits from the Degree and Technical Profile into the General College Profile.

## 3. CURRICULUM INFORMATION

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The Curriculum and Study Guides for each new ABE course are created to be companion documents to assist both students and instructors in meeting the required outcomes for that course. The **Study Guide** is intended to lead the student through each unit of study by listing and explaining the required readings, practice exercises, and assignments necessary for successful completion of the course. The **Curriculum Guide** is the instructor's document that contains helpful notes to aid in teaching and learning as well as suggestions for how assessments of the learning outcomes be accomplished.

The new documents, as well as all former ABE program documents, are available on the Department of Education's website at:

<https://www.gov.nl.ca/education/adult-literacy/adult-basic-education-publications/abe-curriculum-documents/>

Items used for assessment reflect the learning outcomes and are referenced in the work the student completes under the *Work to Submit* and *Required Work* sections of the Study Guides. Instructors have the flexibility to create other means to assess the learning outcomes in order to meet the needs of individual adult learners. This may include such items as tests, exams, assignments, portfolios, presentations, demonstrations, representations, and journals. This will ensure that students are fairly tested and assessed on work they have covered, and that individual needs of adult learners are met.

In most cases, a two-credit, core high school course has been translated to three one-credit ABE courses. These three courses represent 70% or greater of the content of the high school equivalent. In developing the ABE equivalent to the high school Science 1206, however, the developer incorporated more than 90% of the content of the high school equivalent.

## 4.1 MATH

### 4.1.1 DEGREE AND TECHNICAL PROFILE AND BUSINESS-RELATED PROFILES

To successfully meet the requirements in Math, students must complete nine credits for the Degree and Technical Profile or the Business-Related Profile. The table below gives a comprehensive listing of the Math courses available for students to meet this requirement.

<b>Math Courses - Degree and Technical and Business-Related Profiles (2020)</b>	
Mathematics 1101 A	Measurement/Trigonometry/Factors and Products
Mathematics 1101 B	Roots and Powers/Relations and Functions
Mathematics 1101 C	Linear Functions/Systems of Linear Equations
Mathematics 2101 A	Reasoning/Angles and Triangles/Trigonometry
Mathematics 2101 B	Radicals/Statistics/Quadratic Functions
Mathematics 2101 C	Quadratic Equations/Proportional Reasoning
Mathematics 3101 A	Set Theory/Counting Methods/Probability
Mathematics 3101 B	Rational Expressions and Equations/Polynomial Functions/Exponential Functions
Mathematics 3101 C	Logarithmic Functions/Sinusoidal Functions/Borrowing Money

All nine of these courses have a direct equivalence with the high school math program (see Appendix A - Transfer Guide).

For students completing the Degree and Technical Profile or the Business-Related College Profile, students need to complete nine credits from Mathematics 1101 A/B/C, Mathematics 2101 A/B/C and Mathematics 3101 A/B/C.

If a student has completed Math 1104 A/B/C and Math 2104 A/B/C they can then complete Math 3101A/B/C to obtain the required nine credits. A student who wishes to transfer Math 1104 A/B/C and Math2104 A/B or a smaller subset of the academic math courses into the 2016 graduation requirements will receive one-five n/s math credits and be required to complete all nine math credits from the new program. A student who transfers Math 1204 from high school will be given three n/s math credits, and will complete all nine math courses. A student who transfers Math 1204 and Math 2204 from high school will be given six math credits, and be required to complete Math 3101 A/B/C.

#### 4.1.2 GENERAL COLLEGE PROFILE

Under the General College Profile, students are required to complete six credits. Students must do Mathematics 1102 A/B/C and they may choose either Mathematics 2102 A/B/C or Mathematics 3102 A/B/C.

#### **Math Courses - General College Profile (January 2017)**

Mathematics 1102A	Consumerism and Travel/Measuring Length/Measuring Area
Mathematics 1102B	Getting Paid/Angles
Mathematics 1102C	Pythagorean Relationship/Trigonometry
Mathematics 2102A	Surface Area/Drawing and Design/Volume and Capacity
Mathematics 2102B	Interpreting Graphs/Banking and Budgeting
Mathematics 2102C	Slope/Right Triangles and Trigonometry
Mathematics 3102A	Measurement and Probability/Data/Linear Relationships
Mathematics 3102B	Real-Life Decisions/Properties of Figures
Mathematics 3102C	Transformations/Trigonometry

If a student has completed Math 2105 A/B/C they can then complete Math 3102 A/B/C to obtain the required six credits. If a student has Math 1104 A/B/C completed, he/she will complete Math 2102 A/B/C or Math 3102 A/B/C to graduate. A student who transfers Math 1204 from high school will be given transfer credits for Math 1104 A/B/C and will need to complete Math 2102 A/B/C or Math 3102 A/B/C. A student who transfers Math 1206 from high school will be given three n/s Math credits, and will complete Math 2102 A/B/C or 3102 A/B/C. If a student has completed any other Math credits from high school, then these credits will be transferred on the basis that a two credit high school math course is equivalent to three n/s ABE Math credits. The student will still have to complete six credits. If a student has completed any other Math credits in a former ABE program, then these ABE Math credits will be transferred on a 1-1 basis and counted as non-specific credits. The student will have to complete six credits.

If a student has met the math graduation requirement in high school, the same is true for the math graduation requirement in the General College Profile.

ABE students following the General College Profile have flexibility in order to meet the mathematics graduation requirements for that profile. Any Degree and Technical Profile Mathematics credits now count towards the required six. Note, however, that a student following the General College Profile must complete an entire ABC series in either Math 2102 or Math 3102 in order to meet the graduation requirements.

#### 4.1.3 COURSE COMPARISON MATRIX

Each new ABE math course now has an equivalency to high school math.

#### ABE Level III Mathematics Course Comparison Matrix

<b>Adult Basic Education/Current High School*</b>	
<b>ABE Course(s)</b>	<b>Current High School Course(s)</b>
Math 1101A, 1101B, 1101C	Math 1201
Math 2101A, 2101B, 2101C	Math 2201
Math 3101A, 3101B, 3101C	Math 3101
Math 1102A, 1102B, 1102C	Math 1202
Math 2102A, 2102B, 2102C	Math 2202
Math 3102A, 3102B, 3102C	Math 3202

**\*Note:** *These credit equivalencies can transfer in either direction: from ABE to Current High School or from Current High School to ABE.*

There are no equivalences between the former ABE math courses and the new ABE math courses implemented in 2020. As well, the new math courses have no equivalencies to the former high school math courses.

Contact the Program Specialist for ABE if it is unclear if a student has completed the mathematics graduation requirement in high school.

## 4.2 ENGLISH

New English curriculum was implemented in 2021 for all profiles in the Level III ABE program.

Since English is cumulative in knowledge and skills rather than specific content, a student may change from the more stringent *Degree and Technical Profile* English to the *General College Profile* English and start with the course at the next level. For example, a student who has finished English 1101 A, B, and C, and wishes to change to the *General College Profile*, may complete English 2102 A, B, and C and English 3102 A, B, and C to meet the graduation requirement. In English, the courses are laid out with similar content in all profiles. If a student changes profiles after completing the A and B portions of a particular level in the *Degree and Technical Profile*, that student may pick up the C portion of the same level in the *General College Profile*. A *General College Profile* student may also do all nine courses from the *Degree and Technical Profile*, but must understand that the reading levels of the materials and the expectation for quality of work produced is of a higher standard.

### 4.2.1 DEGREE AND TECHNICAL PROFILE AND BUSINESS-RELATED COLLEGE PROFILE

Students must complete nine academic English Language Arts credit to complete the graduation requirements under this profile.

English Courses - Degree and Technical and Business-Related Profiles	
English 1101A	Short Prose and Expressive Writing
English 1101B	Drama, Writing and Poetry
English 1101C	Multimedia, Writing/Representing and Novel Study
English 2101A	Short Prose and Multimedia
English 2101B	Poetry, Novel Study and Writing/Representing
English 2101C	Drama, Writing/Representing and Inquiry
English 3101A	Short Prose, Multimedia and Listening
English 3101B	Poetry, Novel Study and Writing/Representing
English 3101C	Drama, Writing/Representing and Inquiry

### 4.2.2 GENERAL COLLEGE PROFILE

Students must complete nine credits to satisfy the requirements for the English Language Arts section.

English Courses - General College Profile	
English 1102A	Short Prose and Expressive Writing

English 1102B	Drama, Writing/Representing and Poetry
English 1102C	Multimedia, Writing/Representing and Novel Study
English 2102A	Short Prose and Multimedia
English 2102B	Poetry, Novel Study and Writing/Representing
English 2102C	Drama, Writing/Representing and Inquiry
English 3102A	Short Prose and Multimedia
English 3102B	Poetry, Novel Study and Writing
English 3102C	Drama, Writing and Inquiry

### High School Transfer Students

Students who transfer English 1201 from the high school may graduate under the *General College Profile* either by completing the more academic English (2101 A, B, C and 3101 A, B, C) or the *General College Profile* English (2102 A, B, C and 3102 A, B, C). Students who transfer in both English 1201 and 2201 may complete the 3000 level courses from either profile and still meet the requirement for graduation under the *General College Profile*.

### 4.2.3 COURSE COMPARISON MATRIX

The table below displays equivalencies from the ABE program to the current high school program. As well, the former high school courses to the current ABE program and the former ABE program to the current ABE program course comparison matrices are provided.

Adult Basic Education/Current High School*	
ABE Course(s)	Current High School Course
English 1101A, 1101B, 1101C	English 1201 (Academic)
English 2101A, 2101B, 2101C	English 2201 (Academic)
English 3101A, 3101B, 3101C	English 3201 (Academic)
English 1102A, 1102B, 1102C	English 1202 (General)
English 2102A, 2102B, 2102C	English 2202 (General)
English 3102A, 3102B, 3102C	English 3202 (General)

**\*Note:** These credit equivalencies can transfer in either direction: from ABE to Current High School or from Current High School to ABE.

<b>From Former High School to Adult Basic Education*</b>	
Former High School Course(s)	ABE Course(s)
Any combination of Academic English and Literature courses at High School Level 1	English 1101A, 1101B, 1101C
Any combination of Academic English and Literature courses at High School Level 2	English 2101A, 2101B, 2101C
Literary Heritage 3202 or Thematic Literature 3201 + Language 3101	English 3101A, 3101B, 3101C
Any combination of General English and Literature courses at High School Level 1	English 1102A, 1102B, 1102C
Any combination of General English and Literature courses at High School Level 2	English 2102A, 2102B, 2102C
Any combination of General English and Literature courses at High School Level 3	English 3102A, 3102B, 3102C

**\*Note:** *These credit equivalencies can transfer in one direction only: from Former High School to ABE.*

### **ABE Level III English Course Comparison Matrix**

<b>From Former Adult Basic Education to Adult Basic Education*</b>	
Former ABE Course(s)	ABE Course(s)
4 Communication Skills credits to include: Any ABE Literature**	English 1101A, 1101B, 1101C
5 Communication Skills credits to include: Any ABE Literature + IC 3112 Writing Skills	English 2101A, 2101B, 2101C (student also receives credit for English 1101A/B/C)
6 Communication Skills credits to include: IC 3321 Thematic Literature + IC 3112 Writing Skills	English 3101A, 3101B, 3101C (student also receives credit for English 1101A/B/C and English 2101A/B/C)
4 Communication Skills credits	English 1102A, 1102B, 1102C
4 Communication Skills credits to include: Any ABE Literature**	English 2102A, 2102B, 2102C (student also receives credit for English 1102A/B/C)

6 Communication Skills credits to include: Any ABE Literature + IC 3112 Writing Skills	English 3102A, 3102B, 3102C (student also receives credit for English 1102A/B/C and English 2102A/B/C)
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**\*Note:** *These credit equivalencies can transfer in one direction only: from Former ABE to ABE.*

**\*\*** *A student cannot be granted credit for English 1101A, 1101B, 1101C and English 2102A, 2102B, 2102C on the basis of these ABE credits.*

If a student has satisfied the English graduation requirements in high school then they have also satisfied the English graduation requirements in ABE.

## 4.3 SCIENCE

New information regarding the science curriculum contained in this program guide pertains to the development of two new science courses – Science 3107 and Science 3108 that replaces IS 3214. All other science courses remain the same since the last publication of this guide. See section 4.3.3 for more information on the new courses.

### 4.3.1 DEGREE AND TECHNICAL PROFILE

Students have great flexibility when deciding which eight courses they want to select to meet the science graduation requirement. They must select two courses from Biology 1101, Chemistry 1102, Physics 1104 or Earth Systems 1109. The remaining six courses should come from groupings of chemistry, biology or physics. A listing of the ABE science courses is in the below table.

Science Courses—Degree and Technical and Business-Related Profiles	
Biology 1101	Sustainability of Ecosystems
Biology 2101A	The Cell
Biology 2101B	Biodiversity
Biology 2101C	Maintaining Dynamic Equilibrium I
Biology 3101A	Maintaining Dynamic Equilibrium II
Biology 3101B	Reproduction and Development
Biology 3101C	Genetics and Evolution
Chemistry 1102	Chemical Reactions
Chemistry 2102A	Stoichiometry
Chemistry 2102B	From Structures to Properties
Chemistry 2102C	Solutions and Organic Chemistry
Chemistry 3102A	Thermodynamics and Rates
Chemistry 3102B	Equilibrium/Acids and Bases
Chemistry 3102C	Acid/Base Reactions and Electrochemistry
Physics 1104	Motion
Physics 2104A	Kinematics and Dynamics
Physics 2104B	Forces, Momentum, Work and Energy
Physics 2104C	Waves, Light and Sound
Physics 3104A	Force, Motion and Energy
Physics 3104B	Electric and Magnetic Fields and Energy
Physics 2104C	Magnetic Fields, Matter and Energy
Earth Systems 1109	Weather Dynamics

\*\*These courses will soon be updated to maintain consistency with current high school programming.

### 4.3.2 BUSINESS-RELATED COLLEGE PROFILE

Students who have selected the Business-Related College Profile can complete their science credits by following either the General College Profile or the Degree and Technical Profile to obtain the minimum of six required credits.

### 4.3.3 GENERAL COLLEGE PROFILE

Students in the General College Profile must complete six courses to meet the graduation requirements. Students may want to complete more science courses and use them in the elective category. Student may select any of the following courses.

Science Courses - General College Profile	
Science 2100 A	Ecosystems
Science 2100B	Weather
Science 2100C	A Global View of Ecosystem Sustainability and Weather
Science 3101	Matter and Chemical Change
Science 3102	Simple Machines and Energy
Science 3103	Electricity
Science 3104	Introduction to Oceanography
Science 3105	From Life to Lifestyle
Science 3106	Disease Defense and Human Health
Science 3107	Environmental Science I
Science 3108	Environmental Science II

\*Note: Science 3107 is a pre-requisite to Science 3108

Any Degree and Technical Profile science credits can count towards the required six. It is important to note that four of these credits should be taken in one concentration; for example, Biology 1101, 2101A, 2101B, 2101C. The student could then continue to complete two more courses to satisfy the requirement of six credits. These could be from the 3000-level of the chosen concentration or from the 1000 and 2000 levels of another (making sure all pre-requisites are met). These are minimum credit values; a student could choose to complete the entire 3000-level of the concentration.

Students completing the General College Profile now have the option to do Science 3107 Environmental Science I and Science 3108 Environmental Science II to obtain credits from the 3000 level. In 2013, these two courses were developed to replace Environmental Science IS 3214. Science 3107 is

considered a prerequisite for Science 3108. Students may do Science 3107 to obtain one credit or complete both to get two credits. For students who have completed both Environmental Sciences, they can be transferred back to obtain high school credits.

#### 4.3.4 COURSE COMPARISON MATRIX

The table below displays equivalencies from the ABE program to the current high school program. As well, the former high school courses to the current ABE program and the former ABE program to the current ABE program course comparison matrices are provided.

Adult Basic Education/Current High School*	
ABE Course(s)	Current High School Course(s)
Biology 1101	
Biology 2101A, 2101B, 2101C	Biology 2201
Biology 3101A, 3101B, 3101C	Biology 3201
Chemistry 1102	
Chemistry 2102A, 2102B, 2102C	Chemistry 2202
Chemistry 3102A, 3102B, 3102C	Chemistry 3202
Physics 1104	
Physics 2104A, 2104B, 2104C	Physics 2204
Physics 3104A, 3104B, 3104C	Physics 3204
Earth Systems 1109	
Science 3107, 3108	Environmental Science 3205

To transfer back and receive credit for Science 1206, an ABE student must complete **three** of the four courses (Biology 1101, Chemistry 1102, Physics 1104, and Earth Systems 1109). Students transferring Science 1206 from the high school into ABE will receive **four** credits for having completed all four parts. A student who transfers Science 3200, Math 1206, 2206, or Math 3206 from the high school will receive **three credits** for two even though direct equivalencies do not exist. Other courses will still be transferred on a credit-to-credit basis. Questions related to whether a two-credit high school course transfers into ABE as either two or three credits should be directed to the Department of Education's Program Specialist for ABE.

An instance where equivalence is not indicated in the matrix is the case of the high school course Science 1206 (ABE Biology 1101, Chemistry 1102, Physics 1104, and Earth Systems 1109) and Science 2200 (ABE Science 2100 A, B, and C). **A student who has completed Science 1206 in high school may not also receive credit for high school Science 2200 or its ABE equivalent, Science 2100 A, B, and C, since there is too great an overlap in content.**

Similarly, ABE students may **not** receive credit for both:

Science 1206 or Chemistry 1102 **and** Science 3101  
 Biology 1101 **and** Science 2100A  
 Earth Systems 1109 **and** Science 2100B  
 Biology 1101 and/or Earth Systems 1109 **and** Science 2100C\*

*\* Instructors and students are advised of these overlaps of content in the Curriculum and Study Guides for the relevant courses. This will only be an issue when a student is switching profiles or choosing courses from two profiles and has already completed the equivalent content.*

<b>From Former High School to Adult Basic Education</b>	
Former High School Course(s)	ABE Course(s)
Biology 2201	Biology 2101A <b>and</b> Biology 2101B
Biology 3201	Biology 1101 <b>and</b> Biology 2101C <b>and</b> Biology 3101A <b>and</b> Biology 3101B <b>and</b> Biology 3101C
Chemistry 2202	Chemistry 1102 <b>and</b> Chemistry 2102A
Chemistry 3202	Chemistry 2102B <b>and</b> Chemistry 2102C <b>and</b> Chemistry 3102A <b>and</b> Chemistry 3102B
Physics 2204	Physics 2104C
Physics 3204	Physics 2104A <b>and</b> Physics 2104B <b>and</b> Physics 3104B

**Note:** These credit equivalencies can transfer in one direction only: from Former High School to ABE.

## ABE Level III Science Course Comparison Matrix

From Former Adult Basic Education to Adult Basic Education*	
Former ABE Course(s)	ABE Course(s)
<b>BIOLOGY</b>	
IB 3113 Ecology	Biology 1101
IB 3211 Cytology	Biology 2101A
IB 3212 Living Things	Biology 2101B
IB 3214 Genetics <b>and</b> IB 3115 Evolution	Biology 3101C
IB 3316 Human Systems	Biology 2101C <b>and</b> Biology 3101A <b>and</b> Biology 3101B
<b>CHEMISTRY</b>	
IH 3111 Introductory Chemistry <b>and</b> IH 3112 Chemical Language <b>and</b> IH 3113 Reactions and Equations	Chemistry 1102
IH 3114 Mole and Stoichiometry	Chemistry 2102A
IH 3215 Chemical Bonding	Chemistry 2102B
IH 3117 Rates and Equilibrium <b>and</b> IH 3118 Acids and Bases	Chemistry 3102B
IH 3116 Solution Chemistry <b>and</b> IH 3119 Organic Chemistry	Chemistry 2101C
IH 3120 Electrochemistry	Chemistry 3102C
<b>PHYSICS</b>	
IP 3111 Electricity I <b>and</b> IP 3112 Electricity II	Physics 3104B
IP 3213 Waves	Physics 2104C
IP 3215 Mechanics I <b>and</b> IP 3216 Mechanics II	Physics 1104 <b>and</b> Physics 2104A <b>and</b> Physics 2104B
<b>GENERAL COLLEGE PROFILE SCIENCE</b>	
IS 3211 Oceanography	Science 3104 (Introduction to Oceanography)
IS 3213 Physical Science	Science 3101 (Matter and Chemical Change) <b>and</b> Science 3102 (Simple Machines and Energy)

IS 3215 Life Science	Science 3105 (From Life to Lifestyle)
IS 3214 Environmental Science	Science 3107 Environmental Science I Science 3108 Environmental Science II

**\*Note:** *These credit equivalencies can transfer in one direction only: from Former ABE to ABE. To distinguish former high school courses from current high school courses on official Department of Education high school transcripts, examine the **first two digits** of the subject course code: 14 represents former high school courses and 64 represents current high school courses.*

**Students may not receive credit for two courses that are deemed equivalent in content.** Most of these equivalencies are indicated in the **Course Comparison Matrices**. For example, a student who has completed IP3213-Waves could not also receive credit for Physics 2104C since these courses are listed in the matrix as equivalent courses.

A student who transfers Science 1200 from high school will be given three non-specific science credits and will need to complete three credits from the following:

- Science 3101
- Science 3102
- Science 3103
- Science 3104
- Science 3105
- Science 3106
- Science 3107
- Science 3108
- **or** Any science from the Degree-Technical Profile

A student who transfers Science 2200 from high school without Science 1200 will be given three ABE credits for Science 2100A, 2100B, 2100C and will complete three credits from the following:

- Science 3101
- Science 3102
- Science 3103
- Science 3104
- Science 3105
- Science 3106
- Science 3107
- Science 3108
- **or** Any science from the Degree-Technical Profile

A student who transfers Science 3200 from high school without either Science 1200 or Science 2200 will be given three non-specific science credits and will complete three credits from:

- Science 3101
- Science 3102
- Science 3103
- Science 3104
- Science 3105
- Science 3106
- Science 3107
- Science 3108
- or Any science from the Degree-Technical

A student who transfers Environmental Science 3205 will receive two specific credits for Science 3107 and 8108.

If a student has completed any other science credits from high school not covered by the above, then the student will receive non-specific science credits on a one-to-one basis and will make up a total of six credits from:

- Science 3101
- Science 3102
- Science 3103
- Science 3104
- Science 3105
- Science 3106
- Science 3107
- Science 3108
- or Any science from the Degree-Technical Profile

If a student has met the science graduation requirement in high school, the same is true for the science graduation requirement in the General College Profile (this does not apply to the pre-grade 12 high school program).

There have been no changes to the science graduation requirements under the Degree and Technical Profile since 2006.

#### 4.4 PERSONAL DEVELOPMENT AND CAREER AWARENESS

Students are required to complete four credits from this category regardless of what college profile they have selected. The selection of courses students may choose from are below.

Personal Development and Career Awareness Courses	
IE 3213/3313	Career Awareness
IE 3214	Personal Development
Economics Education 3101A	
Economics Education 3101B	
Computer Technology 3101	
Computer Technology 3102	

\*\* IE 3213 and IE 3214 are 2 credits each. All other courses listed above are one credit each.

Economics Education and Computer Technology courses can also be used towards the Adult Oriented Electives category. See the next section for more details regarding these courses and the course comparison matrix.

#### 4.5 ADULT ORIENTED ELECTIVES

Eleven new Adult-Oriented Elective (AOE) courses representing fifteen ABE credits were implemented on September 1, 2010. These AOE courses allow ABE students to earn additional credits needed to make up the minimum of 36 credits for Level III graduation. The AOEs are a separate category of credits, and even if a student has earned the maximum of ten General Options credits to count towards graduation, a student can still use AOE credits to meet the minimum of 36 Level III credits for graduation. These courses may be completed for any student in the ABE program regardless of the college profile.

<b>Adult Oriented Electives</b>	
Economics Education 3101A	Introduction to Economics, Income and Benefits, Using Money, Managing Money
Economics Education 3101B	Consumer Credit, Housing & Transportation, Foods, Clothing & Appliances, Insurance, Consumer Protection
Healthy Living 3101	Maintaining Health and Wellness, Managing Emotions, Maintaining Mental Health, Recognizing Mental Health Problems, Identifying Human Body Systems, Maintaining Personal Hygiene & Fitness
Healthy Living 3102	The Role of Nutrition in Health, Choosing Healthy Foods, Disease-Causes & Protection, Preventing AIDS & Sexually Transmitted Infections, Recognizing Common Diseases
Healthy Living 3103	Recognizing Medicines & Drugs, Dealing With Drug Dependence, Reducing Risks of Injury, Applying First Aid to Injuries, Environmental Health
History 3201	Canada's Beginnings, The Great War, Canada in the 1920s and 1930s
History 3202	Canada and WWII, Canada Post WWII, Canada from 1968 to the 21st Century
Parenting 3200 Parts A and B	Influences of Culture and Family, Relationships and Introduction to Growth and Development, Healthy Beginnings and the First Year, Childhood and Adolescence, Nurturing Children, Children in the Global Community
Social Science 3200	Foundations of Social Science: Self and Others, Social Structures and Institutions, Conflict, Discrimination, and Anti-social Behavior
Computer Technology 3101	Introduction to Windows, Keyboarding and Email, Introduction to Word Processing, Using the Internet
Computer Technology 3102	Advanced Word Processing, Introduction to Spreadsheets, Introduction to Presentation Software, Using Help, E-commerce, System Settings and the Control Panel

The AOE History 3201/3202 courses are assigned two credits each because the course developers felt that the content warranted making each history course worth the extra credit. A student who does both history courses will receive four Level III credits.

#### 4.5.1 COURSE COMPARISON MATRIX

<b><i>From Adult Oriented Elective to Current High School</i></b>	
<b>ABE Course(s)</b>	<b>Current High School Course</b>
Economics Education 3101A, 3101B	Consumer Studies 1202  <b>Note: These credits can transfer in either direction: from ABE to High School or from High school to ABE.</b>
Healthy Living 3101, 3102, 3103	Healthy Living 1200  <b>Note: These credits can transfer in either direction: from ABE to High School or from High school to ABE.</b>
History 3201, 3202	Canadian Studies 1297  Note: History 3201 and 3202 together can satisfy the Canada Studies category for high school graduation provided that the four credits are completed. Canadian Studies 1297 is not an actual high school course, but is used on the high school transcript to indicate that 2 credits are transferred from ABE to high school. <b>Courses from the high school Canada Studies category will transfer into ABE as non-specific General Options credits on a one-to-one basis.</b>

#### 4.6 GENERAL OPTIONS

ABE students may obtain a maximum of 10 credits in this category. These 10 credits may be obtained from:

- IG 3221 Human Geography
- Non-specific credits transferred from high school
- Maturity credits (maximum of 5)
- Level II equivalency credits (maximum of 4)
- Equivalency credits for courses other than those described by Level III

### **Level III Equivalency Credits**

If a student completed courses other than those described by Level III of the ABE program, he/she may be eligible for equivalency credits. For example, a student may get credit for driving courses, apprenticeship programs, courses in other languages, workplace training, and so on, as General Options courses. In order for such courses to count as **one** ABE credit, these courses must have involved a minimum of 60 hours of learning time, and the student must provide certified proof of completion of the course's objectives (certificate or letter). The student can combine courses of less than 60 hours duration in order to qualify for the equivalency credit; however, all regulations regarding proof of completion of the objectives must still be followed

### **Level II Equivalency Credits**

If a student started ABE in Level II, he/she can get up to **four** equivalency credits if he/she continues with Level III. For every five Level II courses a student successfully completed, he/she may be given **one** General Options credit, up to a total of four.

### **Maturity Credits**

If a student is over 21, he/she may be given maturity credits in recognition that experience in the adult world can produce competence and understanding to that which you might have gained through formal education. Maturity credits can be awarded to students over age 21, at the rate of one credit for every two years beginning at age 19, up to a maximum of five maturity credits. Maturity credits can only be counted in the General Options category.

**NOTE: If a student transfers a large number of equivalent credits from outside the ABE system (for example, if a student left the regular high school system in grade 12/Level 3), he/she must complete a minimum of six ABE credits to receive an ABE Level III Diploma. This must include a minimum of four credits in Math, Communication Skills, and/or Science.**

## 4.7 SUMMARY

- Graduation requirements include only minimum credit values. Students, once having met the minimum requirement, may do subsequent courses.
- If a student has met the graduation requirement for a particular subject in the grade 12 high school system, he or she has also met the graduation requirement for that subject in ABE.
- While graduation requirements for the various profiles meet the entrance requirements for many post-secondary programs in Newfoundland and Labrador, it is the responsibility of the student to ensure that specific entrance requirements are met.
- Students cannot receive credits for the academic and general course at the same level. For example, credits cannot be awarded for Math 1101 and Math 1102.
- Students who require six or fewer credits to graduate from high school might be able to transfer ABE credits back to high school to meet high school graduation requirements. Prior approval must be granted from the Department of Education.
- When students enroll into ABE, their current level of education is assessed and a plan to reach graduation is determined. However, if a student leaves the program and returns, the graduation requirements may have changed. Students are required to follow the newest graduation requirements in order to obtain their diploma.
- The Department of Education's Program Specialist for ABE should be consulted if there is any doubt as to a student's eligibility for graduation under courses from combined profiles.
- Instructors are reminded of Section 4.3 in the *Transfer Guide*. This section addresses transferring ABE credits to high school. Also, note that special admissions to the ABE program do not override Section 4.1. See <https://www.gov.nl.ca/education/post-secondary-education/transfer-guide/> for more information or Appendix A.

## APPENDIX A – TRANSFER GUIDE

The guide can also be found at the following link.

<https://www.gov.nl.ca/education/post-secondary-education/transfer-guide/>

Listed below are the only courses that currently have a transfer equivalency from ABE to the high school system. When these are transferred, a student receives credit for the course but no mark.

ABE Courses	Equivalent High School Course
English	
English 1101A, 1101B, 1101C	English 1201 (Academic)
English 2101A, 2101B, 2101C	English 2201 (Academic)
English 3101A, 3101B, 3101C	English 3201 (Academic)
English 1102A, 1102B, 1102C	English 1202 (General)
English 2102A, 2102B, 2102C	English 2202 (General)
English 3102A, 3102B, 3102C	English 3202 (General)
Mathematics	
Mathematics 1104A, 1104B, 1104C	Mathematics 1204 (Academic)
Mathematics 2104A, 2104B, 2104C	Mathematics 2204 (Academic)
Mathematics 3104A, 3104B, 3104C	Mathematics 3204 (Academic)
Mathematics 2105A, 2105B, 2105C (Gen)**	No Direct Equivalency
Mathematics 3107A, 3107B, 3107C (Gen)**	No Direct Equivalency
Mathematics 3109A, 3109B, 3109C (Gen)**	No Direct Equivalency
Mathematics (as of January 2020)	
Math 1101A, 1101B, 1101C	Math 1201
Math 2101A, 2101B, 2101C	Math 2201
Math 3101A, 3101B, 3101C	Math 3101
Math 1102A, 1102B, 1102C	Math 1202
Math 2102A, 2102B, 2102C	Math 2202
Math 3102A, 3102B, 3102C	Math 3202

ABE Courses	Equivalent High School Courses
Science	
Biology 1101*	
Biology 2101A, 2101B, 2101C	Biology 2201
Biology 3101A, 3101B, 3101C	Biology 3201
Biology 3101A, 3101B, 3101C	Biology 3201
Chemistry 1102*	
Chemistry 2102A, 2102B, 2102C	Chemistry 2202
Chemistry 3102A, 3102B, 3102C	Chemistry 3202
Physics 1104*	
Physics 2104A, 2104B, 2104C	Physics 2204
Physics 3104A, 3104B, 3104C	Physics 3204
Earth Systems 1109*	
Science 2100A, 2100B, 2100C	Science 2200
Science 3101**	No Direct Equivalency
Science 3102**	No Direct Equivalency
Science 3103**	No Direct Equivalency
Science 3104**	No Direct Equivalency
Science 3105**	No Direct Equivalency
Science 3106**	No Direct equivalency
Science 3107 and Science 3108	Environmental Science 3205
Adult Oriented Electives/Employability	
Economics Education 3101A/B	Consumer Studies 1202
Career Development 3313	Career Education 2202
History 3201/3202	Canadian Studies 1297
Healthy Living 3101/3102/3103	Healthy Living 1200

## APPENDIX B – ABE SUGGESTED RESOURCE MATERIALS AND SUPPLY CONTRACTS

## English Resource Materials

Degree and Technical and Business-Related Profiles			
Course	Student Resources	Instructor Resources	Publisher(s)
English 1101A English 1101B English 1101C	<i>English 10</i> ISBN 9780176678746  <i>Homegrown</i> ISBN 9780176678852 [Academic and General]	<i>Teacher's Resource for English 10</i> ISBN 9780176678791  <i>Teacher's Resource for Homegrown (USB)</i> ISBN 9780176678791  <b>ONE of each per class recommended.</b>	Nelson Canada  Nelson Canada
English 2101A English 2101B English 2101C	<i>Views and Viewpoints</i> ISBN 9781259275838	<i>Views and Viewpoints Teacher's Resource</i> ISBN 9781259272424  <b>ONE of each per class recommended.</b>	Nelson Canada
English 3101A English 3101B English 3101C	<i>Quest</i> ISBN 9781259453748  <i>Beyond Five Paragraphs</i> ISBN 9781259459375  <i>Macbeth</i> ISBN 9780176057893	<i>Quest Teacher's Resource</i> ISBN 9781259459856  <i>Beyond Five Paragraphs Teacher's Resource</i> ISBN 9781259460418  <i>Macbeth Teacher's Resource</i> ISBN 9780176066123  <b>ONE of each per class recommended.</b>	Nelson Canada

General College Profile			
Course	Student Resources	Instructor Resources	Publisher
English 1102A English 1102B English 1102C	<i>English Connect</i> ISBN 780176678944  <i>Homegrown</i> ISBN 780176678852	<i>English Connect Teacher's Resource</i> ISBN 9780176678944  <i>Homegrown Teacher's Recourse (USB)</i> ISBN 780176678845  <b>ONE per class recommended.</b>	Nelson Canada
English 2102A English 2102B English 2102C	<i>Beyond the Page</i> ISBN 781259272417	<i>Beyond the Page Teacher's Resource</i> ISBN 9781259272448  <b>ONE of each per class recommended.</b>	Nelson Canada
English 3102A English 3102B English 3102C	<i>Vistas</i> ISBN 9781259459849	<i>Vistas Teacher's Resource</i> ISBN 9781259459917  <b>ONE of each per class recommended.</b>	Nelson Canada

***Note: Choice and purchase of novels and non-fiction books is the responsibility of the delivering institution.***

**Math Resource Materials (January 2017)**

<b>Degree and Technical and Business-Related College Profiles</b>			
<b>Course</b>	<b>Student Resources</b>	<b>Instructor Resources</b>	<b>Publisher</b>
Math 1101A Math 1101B Math 1101C	<i>Foundations and Pre-calculus Mathematics 10</i> ISBN13: 978-0-321-62684-4	<i>Foundations and Pre-calculus Mathematics 10 Teacher Resource</i> ISBN13: 978-0-321-62685-1  <i>Foundations and Pre-calculus Mathematics 10 Teacher Resource CD-ROM</i>	<b>Pearson Education Canada, Toronto</b> <a href="http://www.pearsoned.ca/school"><u>http://www.pearsoned.ca/school</u></a>
Math 2101A Math 2101B Math 2101C	<i>Principles of Mathematics 11</i> ISBN13: 978-0-17-650412-0	<i>Principles of Mathematics 11</i> ISBN13: 978-0-17-651402-0  <i>Principles of Mathematics 11 Teacher's Resource CD-ROM</i>	
Math 3101A Math 3101B Math3101C	<i>Principles of Mathematics 12</i> ISBN13: 978-0-17-654038-8	<i>Principles of Mathematics 12 Teacher's Resource</i> ISBN13: 978-0-17-654044-9  <i>Principles of Mathematics 12 Teacher's Resource CD-ROM.</i>  <b>ONE of each recommended per class.</b>	

General College Profile (January 2107)			
Course	Student Resources	Instructor Resources	Publisher
Math 1102A Math 1102B Math 1102C	<i>Math at Work 10</i> ISBN 13:978-007109106-0.	<i>Math at Work 10 Teacher's Resource</i> ISBN 13:978-007109116-9  <i>Math at Work 10 Teacher's Resource</i> CD-ROM   <i>Math at Work 11 Teacher's Resource</i> ISBN 13:978-1-25-901239-6	McGraw-Hill Education Canada  Website: <a href="http://www.mheducation.ca">www.mheducation.ca</a>
Math 2102A Math 2102B Math 2102C	<i>Math at Work 11</i> ISBN 13:978-1-25-901237-2	<i>Math at Work 11 Teacher's Resource</i> CD-ROM   <i>Math at Work 12 Teacher's Resource</i> ISBN 13:978-1-25-901242-6	
Math 3102A Math 3102B Math 3102C	<i>Math at Work 12</i> ISBN 13:978-1-25-901238-9	<i>Math at Work 12 Teacher's Resource</i> CD-ROM  *** The Online Teacher's Resource Centre can be used for all of the courses above.  <b>ONE of each recommended per class.</b>	

## Science Resource Materials

Degree and Technical and Business-Related Profiles			
Course	Student Resource	Instructor Resource	Publisher
Biology 1101 Chemistry 1102 Physics 1104	<i>Nelson Science 10</i> ISBN 0-17-607501-1	<i>Nelson Science 10 Teacher's Resource</i> ISBN 0-17-607502-X  <b>ONE per class recommended.</b>	Nelson (Thomson Learning), Toronto
Biology 2101A Biology 2101B Biology 2101C  Biology 3101A Biology 3101B Biology 3101C	<i>Biology</i> (Newfoundland and Labrador Edition) ISBN 0-07-091676-4	<i>Biology Teacher's Resource</i> (Includes Teacher's Resource CD-ROM) ISBN 0-07-091677-2  <b>ONE per class recommended.</b>	McGraw-Hill Ryerson, Whitby, ON
Chemistry 2102 A Chemistry 2102 B Chemistry 2102 C  Chemistry 3102 A Chemistry 3102 B Chemistry 3102 C	<i>Chemistry</i> (Newfoundland and Labrador Edition) ISBN 0-07-093853-9	<i>Chemistry Teacher's Resource</i> (Includes Teacher's Resource CD-ROM) ISBN 0-07-093857-1  <b>ONE per class recommended.</b>	McGraw-Hill Ryerson, Whitby, ON
Physics 2104 A Physics 2104 B Physics 2104 C  Physics 3104A Physics 3104B Physics 3104C	<i>Physics: Concepts and Connections - Combined Edition</i> (Newfoundland and Labrador Edition) ISBN 0-7725-2955-8	<i>Physics: Concepts and Connections - Combined Edition Teacher's Resource</i> (Includes Teacher's Resource Guide and Solutions Manual CD-ROM) ISBN: 0-7725-2956-6  <b>ONE per class recommended.</b>	Irwin Publishing, Toronto

General College Profile			
Course	Student Resource	Instructor Resource	Publisher
Science 2100A Science 2100B Science 2100C	<i>Nelson Science 10: Concepts and Connections</i> ISBN: 01706120955	<i>Nelson Science 10: Concepts and Connections-Teacher's Resource</i> <b>ISBN: 017612134X</b>  <i>Nelson Science 10: Concepts and Connections-Student Record of Learning</i> <b>ISBN: 0176265317</b>  Nelson Science 10: Concepts and Connections-Applied Supplement <b>ISBN: 017612103X</b>  <b>ONE per class recommended.</b>	Nelson (Thomson Learning), Toronto  <a href="http://school.nelson.com">http://school.nelson.com</a>  NL Representative: Cindy Sullivan <a href="mailto:cindy.sullivan@thomson.com">cindy.sullivan@thomson.com</a>
Science 3102 Science 3103	<i>Nelson Physics 12 College Preparation</i> <b>ISBN: 0176265309</b>	<i>Nelson Physics 12 College Preparation Teacher's Resource</i> <b>ISBN: 0176265325</b>  <i>Nelson Physics 12 College Preparation Solutions Manual</i> <b>ISBN:017626972X</b>  <i>Nelson Physics 12 College Preparation Workbook</i> <b>ISBN 0176265317</b>  <i>Nelson Physics 12</i>	Nelson (Thomson Learning), Toronto  <a href="http://school.nelson.com">http://school.nelson.com</a>  NL Representative: Cindy Sullivan <a href="mailto:cindy.sullivan@thomson.com">cindy.sullivan@thomson.com</a>

		<i>College Preparation Computerized Assessment Bank</i> <b>ISBN: 017626535X</b>	
Science 3104	<i>Prentice Hall Earth Science</i> <b>ISBN: 0131258524</b> <i>Earth Science: Guided Reading and Study Workbook, Student Edition</i> <b>ISBN: 0131259016</b>  <i>Tsunami: The Newfoundland Tidal Wave Disaster</i>	<i>Prentice Hall Earth Science Teacher's Edition</i> <b>ISBN: 0131258974</b> <i>Prentice Hall Earth Science Computer Test Bank</i> <b>ISBN: Unknown</b>	Pearson Prentice Hall Pearson Education Canada, Toronto <a href="http://www.pearsoned.ca/school">www.pearsoned.ca/school</a> NL Representative: Shannon Phillips <a href="mailto:shannon.phillips@pearsoned.com">shannon.phillips@pearsoned.com</a>  Flanker Press P.O. Box 2522, Station C St. John's, NL A1C 6K1 Telephone: 709-739-4477 Fax: 709-739-4420

Adult Oriented Electives—All Profiles			
Course	Student Resource	Instructor Resource	Publisher
Economics Education 3101A/3101B	<i>Exploring Business for the 21st Century</i>  ISBN: 0-07-0891583	<i>Exploring Business for the 21st Century Teacher's Resource</i>  ISBN: 0-07-0891591  <b>ONE per class recommended.</b>	McGraw-Hill
Healthy Living 3101/3102/3103	<i>Life Skills Health</i> ISBN: 0-7854-4133-6  <i>Life Skills Health Student Workbook</i> ISBN: 0-7854-4136-0  <i>Lifechoices Healthy &amp; Well</i> ISBN: 0132441950	<i>Life Skills Health Teacher's Edition</i> ISBN: 0-7854-4134-4	Pearson Education
History 3201/3202	<i>Canada: A Nation Unfolding</i> ISBN: 0-07-560903-7	<i>Canada: A Nation Unfolding Teacher's Resource</i>  ISBN: 0-07-560901-0  <i>Canada: A Nation Unfolding Computerized Assessment Bank</i>  ISBN: 0-07-560902-9  <i>Canada: A Nation Unfolding Video</i> (includes following 6 titles):  <i>The Whitecomers</i>  <i>Canada and the Great War</i>	McGraw-Hill

		<i>Residential Schools</i> <i>Return to Ortona</i> <i>Post Traumatic Stress Disorder</i> <i>Pierre Elliot Trudeau</i> ISBN: 0-07-086353-9	
Parenting 3200A/B	<i>Parenting in Canada: Human Growth &amp; Development</i> ISBN: 0-17-620196-3	<i>Parenting in Canada: Human Growth &amp; Development Teachers Resource</i> ISBN: 0-17-620197-1	Nelson
Social Science 3200	<i>Images of Society: Intro to Anthropology, Psychology &amp; Sociology</i> ISBN: 0-07-088032-8	<i>Images of Society: Intro to Anthropology, Psychology &amp; Sociology- Teachers Resource</i> ISBN: 0-07-088745-4 <i>Images of Society: Intro to Anthropology, Psychology &amp; Sociology- Computerized Assessment Bank</i> ISBN: 0-70-088747-0	McGraw-Hill
Computer Technology 3101/3102	<i>Computer Concepts in Action</i> <b>ISBN: 0-07-8805775</b>	<i>Computer Concepts in Action Teacher's Resource Manual</i> <b>ISBN: 0-07-8807255</b> <i>Computer Concepts in Action Exam View Pro Test Generator</i> <b>ISBN: 0-07-8807271</b>	McGraw Hill

		<p><i>Glencoe TechSim Interactive Tutorials (CD-ROM)</i></p> <p><b>ISBN: 0-07-8728770</b></p> <p><i>Computer Concepts in Action Presentation Plus (DVD)</i></p> <p><b>ISBN: 0-07-8897726</b></p> <p><i>Computer Concepts in Action Teacher Resource (DVD)</i></p> <p><b>ISBN: 0-07-8807263</b></p> <p><i>College Keyboarding Lessons 1-25: w/ Pro Deluxe 17th Edition</i></p> <p><b>ISBN: 0-17-6449655</b></p> <p><i>Keyboarding Pro Version 3.2 (CD-ROM)</i></p>	Nelson
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