

Adult Basic Education

Adult Basic Education LEVEL III PROGRAM GUIDE

2010-2011

Adult Learning and Literacy Division
Department of Education
Government of Newfoundland and Labrador



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Introduction

Background

The former Adult Basic Education Program was developed in 1990 and revised in 1995. The program was designed to provide an opportunity for those who had not completed high school to gain an education equivalent to a high school graduation. To ensure this equivalency, the ABE courses developed in 1990, and revised in 1995, were based on the provincial high school curriculum at the time.

The provincial high school curriculum has undergone extensive changes over the past decade 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. New courses have been developed in all the core subject areas, and the majority of those are now implemented in the provincial senior high school system.

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. To that end, the Department contracted College of the North Atlantic to develop new ABE courses in January 2005.

Contact Information

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Introduction

2010-2011 ABE Level III Program Guide

This *2010-2011 ABE Level III Program Guide* contains updated information since the publication of the *2006-2007 Interim Program Guide*. It includes information on the AOE (Adult-Oriented Elective) courses implemented on September 1, 2010 as well as changes that have been made to General College Profile (GCP) Mathematics and Science graduation requirements. The changes in the GCP Mathematics and Science graduation requirements became effective on April 1, 2010 based on substantial feedback from ABE instructors in Newfoundland and Labrador. The changes listed in the graduation requirements chart later in this guide were fully implemented on September 1, 2010.

ABE Level III Graduation Profiles

| 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><u>ABE Course Requirements</u> English Language Arts (Academic) Mathematics (Academic) Science (Academic)</p> <p>Adult-Oriented Electives: Social Studies Technology Economic Education Post-Secondary</p> <p>Personal Development/Career Awareness</p> <p>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><u>ABE Course Requirements</u> English Language Arts (Academic) Mathematics (Academic) Science (General or Academic)</p> <p>Adult-Oriented Elective: Social Studies Technology Economic Education Post-Secondary</p> <p>Personal Development/Career Awareness</p> <p>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><u>ABE Course Requirements</u> English Language Arts (General) Mathematics (General) Science (General)</p> <p>Adult-Oriented Electives: Social Studies Technology Economic Education Post-Secondary</p> <p>Personal Development/Career Awareness</p> <p>General Options/Any Subject Area</p> |

ABE Course Development

English

All ABE English courses are now implemented. There is no ABE English course development scheduled at the present.

Mathematics

All new ABE Mathematics courses are now implemented. There is no ABE Mathematics course development scheduled at the present.

Science

All new ABE Science courses are now implemented with the exception of a new Environmental Science course. Curriculum development, including study guides, for a new ABE Environmental Science course will be on-going during the Fall 2010 semester.

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 10 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. As of September 1, 2010, ABE students are not able to earn credits by taking 1995 General Options courses; instead, students will have to select credits from the new AOE courses. Students can still transfer General Options credits from high school into the General Options category, but they cannot take General Options courses in the classroom. The only exception to this is IG3221 Human Geography. This course can be taken only if it is recommended by the Manager of High School Certification for transfer back to high school.

The Department distributed curriculum and study guides for the new AOE courses on February 16, 2010. These AOE courses are (Economics Education and Computer Technology are considered to be both AOE and Personal Development and Career Awareness courses):

- Economics Education 3101A/3101B
- Healthy Living 3101/3102/3103
- History 3201/3202
- Parenting 3200
- Social Science 3200
- Computer Technology 3101/3102

Equivalencies between these AOE courses and high school courses are included in a chart later in this guide. The AOE History 3201/3202 courses are assigned 2 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 4 Level III credits.

Please note the following: The Curriculum and Study Guides distributed for Economics Education 3101A and 3101B indicate that a student must complete both parts in order to receive two credits and that credit will not be awarded until both parts are completed. A student can complete Economics Education 3101A and receive one ABE credit even if he/she does not complete the B part. The ABE database will allow a student to receive one credit in this case. A student wishing to transfer ABE credits back to high school must complete both A and B parts in order to receive credit for Consumer Studies 1202.

Personal Development and Career Awareness

In the 2006 curriculum development process, the Employability Skills category was renamed to Personal Development and Career Awareness.

Economics Education 3101A/3101B and Computer Technology 3101/3102 will replace IE3211 Consumer Studies and IE3212 Computer Studies. These two courses can also be used to satisfy the 4 required credits under the Personal Development/Career Awareness category.

A student who has already met the 4 required credits under the Personal Development and Career Awareness category can still select Economics Education 3101A/3101B and/or Computer Technology 3101/3102 in order to earn extra credits to count towards the minimum of 36 needed for graduation.

College of the North Atlantic (CNA) students who complete *Access to Training and Careers* (ATC) will receive credits for IE 3213 Career Awareness and IE 3214 Personal Development. These students, if they wish, can complete Economics Education 3101A, 3101B and/or Computer Technology 3101, 3102 for extra credits beyond the minimum 4 required under the **Personal Development and Career Awareness** category. These extra credits will be counted towards the required 36 minimum credits for Level III graduation.

Using the Documents

Using the Curriculum/Study Guides

The Curriculum and Study Guides for each new ABE course are created to be companion documents to assist both student and instructor 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 which contains helpful notes to aid in teaching and learning as well as suggestions for how assessments of the

learning outcomes might be accomplished. Each delivering institution for ABE has been sent hard copies (double-sided) of each course for use and reproduction.

The new documents have also been put on CDs so that instructors may freely copy them as needed. When printed from the CD, the documents will contain blank pages. The inclusion of these blank, and blindly numbered, pages is intentional since the documents are intended to be reproduced as **double-sided copies**.

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

<http://www.ed.gov.nl.ca/edu/adultlearning/adult/abe/index.html>

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.

ABE students have a broader scope of courses from which they can choose than ever before. This is especially true for students who elect to follow the graduation requirements for the General College Profile. The 3000-level courses in both math and science allow students in this profile to tailor their program by choosing courses designed to enhance their future success in post-secondary programs. For example, Math 3107 A, B, and C, Science 3101, Science 3102, and Science 3103 are excellent choices for students planning post-secondary study in the Industrial Trades.*

* See Appendix A for a listing of topics covered in these courses.

Using the 2010-2011 ABE Level III Program Guide

This guide refers to ABE Level III as **Secondary** (high school) Level. While creating courses that were directly equivalent to the provincial high school program, the developers became aware that the expression, "level 3", meant a course at the third level of study (grade 12) in that program. Course numbering reflected the successive levels of study, with a course often being pre-requisite to the course at the next level. In the previous ABE program, Level III represented the **entire** high school program with **all** course numbers prefaced by "3" (IP 3215, IC 3211, IM 3212, etc.). In order to more clearly show the equivalencies between the new ABE program and the current high school program, the courses have been numbered accordingly. A mention of level 1 refers to courses at high school-entry level (English 1101A, Math 1102C, Biology 1101). Any mention of level 3 in this guide will relate to courses at the top level of our new secondary program.

In most cases, a 2-credit, core high school course has been translated to three 1-credit ABE courses. These three courses represent 70% 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.

To transfer the course back to high school, 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 **3 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 2-credit high school course transfers into ABE as either 2 or 3 credits should be directed to the Department of Education's Program Specialist for ABE Levels II/III.

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.

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*

Mathematics 3107A and Mathematics 3109B

** 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.*

The chart contained on the following two pages lists the new ABE courses now ready for implementation as well as those developed and put into use in January, 2006 and their equivalent courses in the provincial Senior High School Program. Curriculum Guides and Study Guides for courses created during the second phase of development accompany this Interim Program Guide.

This program guide, in most cases, only deals with equivalencies between the current ABE and current high school programs. Former ABE and former high school courses not directly addressed in this guide can be dealt with by using the course comparison matrices in the *Transfer Guide*, which can be accessed online at:

<http://www.ed.gov.nl.ca/edu/postsecondary/transferguide/section4/section43.htm>

For example, consider a student entering ABE with the former high school course Physical Science 2205. The *Transfer Guide* indicates that this course is equivalent to IS3213 physical Science in the 1995 ABE program. IS3213 is then equivalent to Science 3101 and Science 3102 in the current ABE program. The Program Specialist for ABE Levels II/III at the Department of Education should be consulted if clarification on equivalencies is needed.

ABE Courses

| 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 |
| Science | |
| 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 |

ABE Courses

| ABE Courses | Equivalent High School Courses |
|-------------------------------|--------------------------------|
| Science (Continued) | |
| 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 |
| Adult Oriented Electives | |
| Economics Education 3101A/B | Consumer Studies 1202 |
| History 3201/3202 | Canadian Studies 1297 |
| Healthy Living 3101/3102/3103 | Healthy Living 1200 |

***Note:** *Biology 1101, Chemistry 1102, Physics 1104, and Earth Systems 1109 are based on the relevant Units of Science 1206. Successful completion of any **three** of these courses will be equivalent to the high school course, Science 1206. Students transferring in Science 1206 from the high school, having done all 4 units, will receive **four** ABE credits. Students planning to complete the 2000 and 3000 level grouping in Biology, Chemistry or Physics need do only **two** courses from the 1000 level, as described in the new Graduation Requirements.*

****** *The possibility exists (despite the lack of direct equivalency) of transferring these courses back to high school if a student needs six or less high school credits. Although there is no direct equivalency for these science courses in the current high school program, any three of these credits can transfer to the high school program as two Level III Basic Physical Science credits.*

ABE Graduation Requirements

Guidelines for Application of Graduation Requirements

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 on the next page.

ABE Graduation Requirements

2006+ Graduation Requirements

Fully implemented September 1, 2010

Minimum Credits for Graduation—36

| Degree and Technical Profile | Business-Related College Profile | General College Profile |
|---|--|--|
| English (9 Credits) | English (9 Credits) | English (9 Credits) |
| Mathematics (9 Credits) | Mathematics (9 Credits) | Mathematics (6 Credits) |
| <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</i> and <i>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</i> and <i>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</i> and <i>Transfer Guide</i> for granting English equivalency credits.</p> |
| <p>Math 1104A, 1104B, 1104C Math 2104A, 2104B, 2104C Math 3104A, 3104B, 3104C</p> | <p>Math 1104A, 1104B, 1104C Math 2104A, 2104B, 2104C Math 3104A, 3104B, 3104C</p> | <p>Students MUST meet 1 of the combinations listed below:</p> <p>1) Math 2105A, 2105B, 2105C + one of the following groupings: Math 3107A, 3107B, 3107C or Math 3109A, 3109B, 3109C</p> <p>or Any Degree and Technical Profile Mathematics credits count towards the required 6. If a student has Mathematics 1104A/B/C completed, he/she will select 1 of the 3000 level groupings above.</p> <p>2) A student who transfers Math 1204 from high school will be given 3 ABE credits for Math 1104A/B/C, and will complete the following: Any 3 credits from the following groupings: Math 3107A, Math 3107B, Math 3107C or Math 3109A, Math 3109B, Math 3109C</p> <p>3) A student who transfers Math 1206 from high school, will be given 3 ABE credits and will complete the following: Any 3 credits from the following groupings: Math 3107A, Math 3107B, Math 3107C or Math 3109A, Math 3109B, Math 3109C</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</p> |

ABE Graduation Requirements

| | | <p>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 requirement in high school the same is true for the math graduation requirement in the General College Profile. This does not apply to the pre-grade 12 high school program.</p> |
|--|--|--|
| Science (8 Credits) | Science (6 Credits) | Science (6 Credits) |
| <p>Credits must include:</p> <p>2 credits from:</p> <p>Biology 1101 Chemistry 1102 Physics 1104 Earth Systems 1109</p> <p>+ one of the following groupings:</p> <p>Biology 2101A, 2101B, 2101C Biology 3101A, 3101B, 3101C</p> <p>or</p> <p>Chemistry 2102A, 2102B, 2102C Chemistry 3102A, 3102B, 3102C</p> <p>or</p> <p>Physics 2104A, 2104B, 2104C Physics 3104A, 3104B, 3104C</p> | <p>Students working under the <i>Business-Related College Profile</i> may follow the graduation requirements in science for either the Degree and Technical Profile or the General College Profile, to a minimum of 6 credits.</p> | <p>Students MUST meet 1 of the combinations listed below:</p> <p>1) Credits must include: 3 credits from the following: Science 3101 Science 3102 Science 3103 Science 3104 Science 3105 Science 3106 IS 3214 Environmental Science (retained until new course developed)</p> <p>+3 credits from: The list above or Science 2100A Science 2100B Science 2100C</p> <p>or</p> <p>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: 3 credits from the following: Science 3101 Science 3102 Science 3103 Science 3104 Science 3105 Science 3106 IS Environmental Science (retained until new course developed)</p> <p>or</p> <p>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</p> |

ABE Graduation Requirements

| | |
|--|--|
| | <p>Science 3106 IS Environmental Science (retained until new course developed)</p> <p>or</p> <p>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:</p> <p>Science 3101 Science 3102 Science 3103 Science 3104 Science 3105 Science 3106 IS Environmental Science (retained until new course developed)</p> <p>or</p> <p>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:</p> <p>Science 3101 Science 3102 Science 3103 Science 3104 Science 3105 Science 3106 IS Environmental Science (retained until new course developed)</p> <p>or</p> <p>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>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).</p> |
|--|--|

ABE Graduation Requirements

| All Profiles | | | |
|---|--|---|--------------------------|
| Personal Development and Career Awareness (4 Credits) | | | |
| Economics Education 3101A, 3101B | | Computer Technology 3101, 3102 | IE 3213 Career Awareness |
| Adult-Oriented Electives (AOEs) | | General Options | |
| 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 Math will appear on the transcript under the Math category, etc. | | | |

- *Environmental Science, IS 3214, from the “former” ABE Program is being retained until the new high school-equivalent course is developed. Development is on-going during the Fall 2010 semester.*

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. The maximum number of General Options credits a student can count towards graduation is 10.

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. The maximum number of General Options credits a student can count towards graduation is 10.

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 equivalent for some purposes, and to varying degrees, 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 5 maturity credits. Maturity credits can only be counted in the

ABE Graduation Requirements

General Options category. The maximum number of General Options credits a student can count towards graduation is 10.

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 4 credits in Math, Communication Skills, and/or Science.

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 flexibility 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.

ABE Graduation Requirements

Math

ABE Students

ABE students following the General College Profile now have greater 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 one of the 3000 level Mathematics groupings in order to meet the graduation requirements. For example, if a student has completed Mathematics 1104A/B/C, he or she must complete either Mathematics 3107A/B/C or Mathematics 3109A/B/C; if a student has completed Mathematics 1104A/B, he or she must complete Mathematics 3107A/B/C or Mathematics 3109A/B/C plus one other Mathematics credit; and if a student has completed Mathematics 1104A, he or she must complete Mathematics 3107A/B/C or Mathematics 3109A/B/C plus two other Mathematics credits.

ABE mathematics credits from former ABE programs will be transferred into the current ABE program using equivalencies contained in the *Transfer Guide* and/or the charts contained in this guide. The *Transfer Guide* section related to ABE can be found online at

<http://www.ed.gov.nl.ca/edu/postsecondary/transferguide/section4/section43.html>

High School Transfer Students

A student who transfers Mathematics 1204 from high school into the General College Profile will be given 3 specific ABE credits for Mathematics 1104A/B/C and will be required to complete any 3 credits from either Mathematics 3107A/B/C or Mathematics 3109A/B/C. A student who transfers Mathematics 1206 from high school into the General College Profile will be given 3 non-specific ABE Mathematics credits and will be required to complete any 3 credits from either Mathematics 3107A/B/C or Mathematics 3109A/B/C. When entering the transfer credits for Mathematics 1206 on the ABE database, select MA1206HS from the drop-down menu. If a student has completed any other mathematics 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 ABE credits to make up the required six. If a student has met the mathematics graduation requirement in the high school program, then the same is true for the mathematics graduation requirement in the General College profile (this does not apply to the pre-grade 12 high school program). Contact the Program Specialist for ABE Levels II/III if it is unclear whether or not a student has completed the mathematics graduation requirement in high school.

The current high school Advanced Math 2205 course will be given equivalencies for Math 2104A/B/C in ABE. There is no current high school Level I Advanced Math course. A student who has high school Advanced Math 3205 will already have met the graduation requirements for math in high school, and therefore, in ABE.

ABE Graduation Requirements

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

Math Designed for Entry to Industrial Trades

Three of the new ABE mathematics courses have been developed specifically to prepare students for post-secondary study in Industrial Trades programs. It is strongly suggested that instructors recommend the following math courses to students who intend to enter Industrial Trades programs:

- Mathematics 3107A Measurement Technology, Design and Measurement
- Mathematics 3107B Relations and Formulas
- Mathematics 3107C Variation and Formulas

Again, it is important to note here that students cannot receive credits for Mathematics 3107A and Mathematics 3109B due to content overlap between these two courses.

Science

ABE Students

ABE students following the General College Profile now have greater flexibility in order to meet the science graduation requirements for that profile. Any Degree and Technical Profile science credits now 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.

IS3214 Environmental Science is retained until a new environmental science course is developed. Development work on a new ABE environmental science course began in September 2010. The high school Environmental Science 3205 course had all its final edits completed in September 2010, and a new ABE course was developed based on the high school course.

ABE science credits from former ABE programs will be transferred into the current ABE program using equivalencies contained in the *Transfer Guide* and/or the charts contained in this guide. The *Transfer Guide* section related to ABE can be found online at <http://www.ed.gov.nl.ca/edu/postsecondary/transferguide/section4/section43.html>

Note that students cannot receive credit for both Science 2100A/B/C and Biology 1101, Chemistry 1102, Physics 1104, and Earth Systems 1109. Also, if a student has completed

ABE Graduation Requirements

Science 1206 in high school or Chemistry 1102 in ABE, he/she cannot get credit for Science 3101 in ABE.

High School Transfer Students

High school students who transfer Science 1206 credits will receive **four** specific ABE credits-- Biology 1101, Chemistry 1102, Physics 1104, and Earth Systems 1109.

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
- IS Environmental Science (retained until new course developed)
- **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
- IS Environmental Science (retained until new course developed)
- **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
- IS Environmental Science (retained until new course developed)

ABE Graduation Requirements

- or Any science from the Degree-Technical

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
- IS Environmental Science (retained until new course developed)
- 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.

English

ABE Students

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.

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

ABE Graduation Requirements

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*.

Points to Remember

- 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.
- The Department of Education's Program Specialist for ABE Levels II/III should be consulted if there is any doubt as to a student's eligibility for graduation under courses from combined profiles.
- A high school course with "1" as the second last digit indicates a pilot course. A pilot course is treated the same as a regular course for giving equivalencies. For example, English 1211 = English 1201= English 1101A/B/C.
- A high school course with "6" as the second last digit indicates that the prescribed course was modified by reducing depth of treatment and/or deleting certain curriculum outcomes (Pathway 3). Such a course will be given credit in ABE in the same manner as a Pathway 1 or 2 high school course. For example, English 1262=English 1202=English 1102A/B/C.
- 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 <http://www.ed.gov.nl.ca/edu/postsecondary/transferguide/section4/section43.html> for more information.

Course Comparison Matrices

ABE Level III English Course Comparison Matrix

| 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.

| From Former High School to Adult Basic Education* | |
|---|-----------------------------|
| 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.

Course Comparison Matrices

ABE Level III English Course Comparison Matrix

| <i>From Former Adult Basic Education to Adult Basic Education*</i> | |
|--|--|
| 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) |

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

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

Course Comparison Matrices

ABE Level III Science Course Comparison Matrix

| 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 | |

*Note These credit equivalencies can transfer in either direction: from ABE to Current High School or from Current High School to ABE. Successful completion of any three of Biology 1101, Chemistry 1102, Physics 1104, and Earth Systems 1109 will constitute equivalency to high school Science 1206.

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

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

Course Comparison Matrices

ABE Level III Science Course Comparison Matrix

| From Former Adult Basic Education to Adult Basic Education* | |
|--|--|
| Former ABE Course(s) | ABE Course(s) |
| BIOLOGY | |
| IB 3113 Ecology | Biology 1101 |
| IB 3211 Cytology | Biology 2101A |
| IB 3212 Living Things | Biology 2101B |
| IB 3214 Genetics and IB 3115 Evolution | Biology 3101C |
| IB 3316 Human Systems | Biology 2101C and Biology 3101A and Biology 3101B |
| CHEMISTRY | |
| IH 3111 Introductory Chemistry and IH 3112 Chemical Language and 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 and IH 3118 Acids and Bases | Chemistry 3102B |
| IH 3116 Solution Chemistry and IH 3119 Organic Chemistry | Chemistry 2101C |
| IH 3120 Electrochemistry | Chemistry 3102C |
| PHYSICS | |
| IP 3111 Electricity I and IP 3112 Electricity II | Physics 3104B |
| IP 3213 Waves | Physics 2104C |
| IP 3215 Mechanics I and IP 3216 Mechanics II | Physics 1104 and Physics 2104A and Physics 2104B |
| GENERAL COLLEGE PROFILE SCIENCE | |
| IS 3211 Oceanography | Science 3104 (Introduction to Oceanography) |
| IS 3213 Physical Science | Science 3101 (Matter and Chemical Change) and Science 3102 (Simple Machines and Energy) |
| IS 3215 Life Science | Science 3105 (From Life to Lifestyle) |

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

Course Comparison Matrices

*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.*

Course Comparison Matrices

ABE Level III Mathematics Course Comparison Matrix

| Adult Basic Education/Current High School* | |
|--|-------------------------------|
| ABE Course(s) | Current High School Course(s) |
| Math 1104A, 1104B, 1104C | Math 1204 |
| Math 2104A, 2104B, 2104C | Math 2204 |
| Math 3104A, 3104B, 3104C | Math 3204 |

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

| From Former High School to Adult Basic Education* | |
|---|----------------------------------|
| Former High School Course(s) | ABE Course(s) |
| Math 1300 and Math 2200 | Math 1104A and Math 1104B |
| Math 2200 and Math 3200 | Math 3104A and Math 3104B |
| Consumer Math 1202 | Math 3109A |

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

| From Former Adult Basic Education to Adult Basic Education* | |
|---|--|
| Former ABE Course(s) | ABE Course(s) |
| IM 3109 Algebra I , IM 3210 Algebra II , IM 3211 Algebra III | Math 1104A, Math 1104B and Math 3104A ** |
| IM 3212 Algebra IV | Math 3104B** |

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

** *These equivalencies from former ABE math to the ABE courses span several levels because of the vast difference in content between the two programs. Math 1104A, for example, covers portions of Algebra I, II and III.*

Course Comparison Matrices

ABE Level III Adult Oriented Electives Course Comparison Matrix

| <i>From Adult Oriented Elective to Current High School</i> | |
|--|---|
| ABE Course(s) | Current High School Course |
| Economics Education 3101A, 3101B | Consumer Studies 1202 Note: These credits can transfer in either direction: from ABE to High School or from High school to ABE. |
| Healthy Living 3101, 3102, 3103 | Healthy Living 1200 Note: These credits can transfer in either direction: from ABE to High School or from High school to ABE. |
| 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. Courses from the high school Canada Studies category will transfer into ABE as non-specific General Options credits on a one-to-one basis. |

Appendix A

Adult Basic Education Course List

Adult Basic Education Course List

| English Courses - Degree and Technical and Business-Related Profiles | |
|---|---|
| English 1101A | Short Story, Poetry, Written Communications and Writing Conventions |
| English 1101B | Novel, Drama, Written Communications and Writing Conventions |
| English 1101C | Non-Fiction and Media, Research and Study Skills, Oral Communications |
| English 2101A | Short Story, Poetry, Written Communications and Writing Conventions |
| English 2101B | Short Non-Fiction, Non-Fiction Book, Written Communications and Writing Conventions |
| English 2101C | Drama, Reports, Written Communications and Writing Conventions |
| English 3101A | Short Story, Novel, Written Communications and Writing Conventions |
| English 3101B | Poetry, Drama, Written Communications and Writing Conventions |
| English 3101C | Non-Fiction and Media, Research Writing, Written Communications and Writing Conventions |

Adult Basic Education Course List

| English Courses - General College Profile | |
|--|---|
| English 1102A | Short Story, Poetry, Written Communications and Writing Conventions |
| English 1102B | Novel, Drama, Written Communications and Writing Conventions |
| English 1102C | Non-Fiction and Media, Study Skills, Written Communications and Writing Conventions |
| English 2102A | Short Story, Poetry, Written Communications and Writing Conventions |
| English 2102B | Short Non-Fiction, Non-Fiction Book, Written Communications and Writing Conventions |
| English 2102C | Drama, Oral Communications, Written Communications and Writing Conventions |
| English 3102A | Short Story, Novel, Written Communications and Writing Conventions |
| English 3102B | Poetry, Drama, Written Communications and Writing Conventions |
| English 3102C | Non-Fiction and Media, Research Project, Written Communications and Writing Conventions |

Adult Basic Education Course List

| 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 3104C | Magnetic Fields, Matter and Energy |
| Earth Systems 1109 | Weather Dynamics |

Adult Basic Education Course List

| 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 |

Adult Basic Education Course List

| Math Courses - Degree and Technical and Business-Related Profiles | |
|--|--|
| Mathematics 1104 A | Coordinate Geometry, Factoring, Solving Quadratic Equations and Equations Involving Rational Expressions |
| Mathematics 1104 B | Real Numbers, Right Triangle Trigonometry, Functions |
| Mathematics 1104 C | Systems of Equations and Inequalities, Matrices |
| Mathematics 2104 A | Solving Linear Systems, Statistics |
| Mathematics 2104 B | Rational Expressions, Trigonometric Applications, Functions |
| Mathematics 2104 C | Trigonometry |
| Mathematics 3104 A | Quadratic Functions, Graphs and Equations |
| Mathematics 3104 B | Exponents and Logarithms |
| Mathematics 3104 C | Probability, Circles and Ellipses |

| Math Courses - General College Profile | |
|---|---|
| Mathematics 2105A | Wages, Salaries and Expenses, Personal Banking |
| Mathematics 2105B | Consumer Decisions, Sampling |
| Mathematics 2105C | Geometry, Trigonometry |
| Mathematics 3107A | Measurement Technology, Design and Measurement |
| Mathematics 3107B | Relations and Formulas |
| Mathematics 3107C | Variation and Formulas |
| Mathematics 3109A | Income and Debt, Owning and Operating a Vehicle |
| Mathematics 3109B | Data Analysis, Measurement Technology |
| Mathematics 3109C | Personal Finance, Statistics |

Adult Basic Education Course List

| Adult Oriented Electives | |
|---------------------------------|--|
| 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 |

Appendix B

ABE Suggested Resource Materials and Supply Contacts *

* Items in this list, with the exception of the AOE resources, were compiled in 2006. AOE list is accurate as of 2010. Institutions will have to contact specific publishers for updated information on prices and availability of texts.

English Resource Materials

| Degree and Technical and Business-Related Profiles | | | |
|--|--|---|--|
| Course | Student Resources | Instructor Resources | Publisher(s) |
| English 1101A English 1101B English 1101C | <p><i>Sightlines 10</i> ISBN 0-13-082171-3</p> <p><i>Land, Sea and Time Book One</i> ISBN 1-55081-160-6 [Academic and General]</p> | <p><i>Sightlines 10 Teacher Guide</i>, Atlantic Edition ISBN 0-13-012924-0</p> <p><i>Sightlines 10 Audio Pack</i> ISBN 0-13-026304-4</p> <p><i>Land, Sea and Time Book One, Teacher's Guide</i> ISBN 1-55081-170-3</p> <p>ONE of each per class recommended.</p> | <p>Pearson Education Canada, Toronto</p> <p>Breakwater Books, St. John's</p> |

| | | | |
|---|--|---|--|
| English 2101A English 2101B English 2101C | <i>Echoes 11</i> ISBN 0-19-541630-9 <i>Land, Sea and Time Book Two</i> ISBN 1-55081-175-4 [Academic and General] | <i>Echoes 11, Teacher's Resource</i> , Atlantic Provinces Edition ISBN 0-19-541673-2 <i>Echoes 11 CD</i> ISBN 0-19-542006-3 <i>Land, Sea and Time Book Two, Teacher's Guide</i> ISBN 1-55081-176-2 | Oxford University Press, Toronto Breakwater Books, St. John's |
| English 3101A English 3101B English 3101C | <i>Echoes 12</i> ISBN 0-19-541631-7 <i>Land, Sea and Time Book Three</i> ISBN 1-55081-177-0 [Academic and General] | <i>Echoes 12, Teacher's Resource</i> , Atlantic Provinces Edition ISBN 0-19-541778-X <i>Echoes 12 CD</i> ISBN 0-19-542007-1 <i>Land, Sea and Time Book Three, Teacher's Guide</i> ISBN 1-55081-178-9 | Oxford University Press, Toronto Breakwater Books, St. John's |

| General College Profile | | | |
|---|---|---|---|
| Course | Student Resources | Instructor Resources | Publisher |
| English 1102A English 1102B English 1102C | <i>Crossroads 10</i> ISBN 0-7715-1332-1 <i>Collected Searchlights and Other Plays</i> ISBN 0-7725-2921-3 [Grades 10, 11, 12] | <i>Crossroads 10, Teacher's Guide</i> ISBN 0-7715-1335-6 | Gage Learning Corporation, Toronto Irwin Publishing, Toronto |
| English 2102A English 2102B English 2102C | <i>Between the Lines 11</i> ISBN 0-17-619705-2 | <i>Between the Lines 11, Atlantic Provinces Teacher's Guide</i> ISBN 0-17-619349-9 <i>Between the Lines 11 Audio CD</i> ISBN 0-17-625989-9 | Nelson (Thomson Learning), Toronto |
| English 3102A English 3102B English 3102C | <i>Passages 12</i> ISBN 0-7715-0958-8 | <i>Passages 12, Teacher's Guide</i> ISBN 0-7715-0962-6 <i>Passages 12 CD Set</i> ISBN 0-7715-0963-4 | Gage Learning Corporation, Toronto |

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

| English Reference Books—All Profiles | | |
|---|--|-------------------------------|
| Student Resources | Instructor Resources | Publisher |
| <i>ResourceLines 9/10</i> ISBN 0-13-012922-4 | <i>Communicate!</i> Atlantic Provinces Teacher's Guide ISBN 0-17-619491-6 | Prentice Hall, Toronto |
| <i>Communicate!</i> ISBN 0-17-619717-6 | | Nelson (Thompson), Toronto |
| <i>Reference Points</i> ISBN 0-13-019871-4 | | Prentice Hall, Toronto |
| <i>Reading and Writing for Success</i> ISBN 0-7747-0197-8 | | Harcourt Canada, Toronto |
| <i>Canadian Students' Guide to Language, Literature, and Media</i> ISBN 0-19-541675-9 | <i>Canadian Students' Guide to Language, Literature, and Media</i> <i>Evaluation and Practice Support Package</i> ISBN 0-19-541676-7 | |
| | ONE of each per class recommended. | |

Math Resource Materials

| Degree and Technical and Business-Related College Profiles | | | |
|---|--|---|--|
| Course | Student Resources | Instructor Resources | Publisher |
| Math 1104A Math 1104B Math 1104C | <i>Addison-Wesley Mathematics 10</i> , Western Canadian Edition ISBN 0-201-34619-2 | <i>Mathematics 10 Teacher's Resource</i> ISBN: 0-201-34621-4 | Pearson Education Canada, Toronto <u>http://www.pearsoned.ca/school</u> |
| Math 2104A Math 2104B Math 2104C | <i>Addison-Wesley Mathematics 11</i> , Western Canadian Edition ISBN 0-201-34624-9 | <i>Mathematics 11 Teacher's Resource</i> ISBN: 0-201-34626-5 | Newfoundland Representative: Shannon Phillips, <u>Shannon.Phillips@pearsoned.com</u> |
| Math 3104A Math 3104B Math 3104C | <i>Addison-Wesley Mathematics 12</i> , Western Canadian Edition ISBN:0-201-34629-X | <i>Mathematics 12 Teacher's Resource</i> ISBN 0-201-34631-1 | |
| | | ONE of each recommended per class. | |

| General College Profile | | | |
|---|---|--|---|
| Course | Student Resources | Instructor Resources | Publisher |
| Math 2105A Math 21405B Math 2105C | <i>Essentials of Mathematics 10</i> ISBN: 0-7726-4675-9 | <i>Essentials of Mathematics 10 Teacher's Resource</i> ISBN: 0-7726-4808-5 | Pacific Educational Press Faculty of Education, University of British Columbia 6365 Biological Sciences Road Vancouver, BC Canada V6T 1Z4 |
| Math 3107A Math 3107B Math 3107C | <i>Essentials of Mathematics 11</i> , Western Canadian Edition ISBN 0-7726-4823-9 | <i>Essentials of Mathematics 11 Teacher's Resource</i> ISBN: 0-7726-4878-6 | |
| Math 3190A Math 3109B Math 3109C | <i>Essentials of Mathematics 12</i> , Western Canadian Edition ISBN:0-7726-4997-9 | <i>Essential of Mathematics 12 Teacher's Resource</i> ISBN 0-7726-5049-7 ONE of each recommended per class. | Telephone: 604-822-5385 Fax: 604-822-6603 |

Note: Any of these courses may require some use of textbooks from all three levels.

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 ONE per class recommended. | 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 <i>Teacher's Resource CD-ROM</i>) ISBN 0-07-091677-2 ONE per class recommended. | 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 <i>Teacher's Resource CD-ROM</i>) ISBN 0-07-093857-1 ONE per class recommended. | McGraw-Hill Ryerson, Whitby, ON |

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| Physics 2104 A Physics 2104 B Physics 2104 C | <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 ONE per class recommended. | Irwin Publishing, Toronto |
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| General College Profile | | | |
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| 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> ISBN: 017612134X <i>Nelson Science 10: Concepts and Connections- Student Record of Learning</i> ISBN: 0176265317 Nelson Science 10: Concepts and Connections- Applied Supplement ISBN: 017612103X ONE per class recommended. | Nelson (Thomson Learning), Toronto http://school.nelson.com NL Representative: Cindy Sullivan cindy.sullivan@thomson.com |
| Science 3102 Science 3103 | <i>Nelson Physics 12 College Preparation</i> ISBN: 0176265309 | <i>Nelson Physics 12 College Preparation Teacher's Resource</i> ISBN: 0176265325 <i>Nelson Physics 12 College Preparation Solutions Manual</i> ISBN:017626972X | Nelson (Thomson Learning), Toronto http://school.nelson.com NL Representative: Cindy Sullivan cindy.sullivan@thomson.com |

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| | | <p><i>Nelson Physics 12 College Preparation Workbook</i></p> <p>ISBN 0176265317</p> <p><i>Nelson Physics 12 College Preparation Computerized Assessment Bank</i></p> <p>ISBN: 017626535X</p> | |
| Science 3104 | <p><i>Prentice Hall Earth Science</i></p> <p>ISBN: 0131258524</p> <p><i>Earth Science: Guided Reading and Study Workbook, Student Edition</i></p> <p>ISBN: 0131259016</p> <p><i>Tsunami: The Newfoundland Tidal Wave Disaster</i></p> | <p><i>Prentice Hall Earth Science Teacher's Edition</i></p> <p>ISBN: 0131258974</p> <p><i>Prentice Hall Earth Science Computer Test Bank</i></p> <p>ISBN: Unknown</p> | <p>Pearson Prentice Hall Pearson Education Canada, Toronto www.pearsoned.ca/school NL Representative: Shannon Phillips shannon.phillips@pearsoned.com</p> <p>Flanker Press P.O. Box 2522, Station C St. John's, NL A1C 6K1 Telephone: 709-739-4477 Fax: 709-739-4420</p> |

| Adult Oriented Electives—All Profiles | | | |
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| 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 ONE per class recommended. | 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 & 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 | McGraw-Hill |

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| | <p><i>Canada: A Nation Unfolding Computerized Assessment Bank</i></p> <p>ISBN:</p> <p>0-07-560902-9</p> <p><i>Canada: A Nation Unfolding Video</i> (includes following 6 titles):</p> <p><i>The Whitecomers</i></p> <p><i>Canada and the Great War</i></p> <p><i>Residential Schools</i></p> <p><i>Return to Ortona</i></p> <p><i>Post Traumatic Stress Disorder</i></p> <p><i>Pierre Elliot Trudeau</i></p> <p>ISBN: 0-07-086353-9</p> | | |
| Parenting 3200A/B | <p><i>Parenting in Canada: Human Growth & Development</i></p> <p>ISBN: 0-17-620196-3</p> | <p><i>Parenting in Canada: Human Growth & Development Teachers Resource</i></p> <p>ISBN: 0-17-620197-1</p> | Nelson |

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| Social Science 3200 | <p><i>Images of Society: Intro to Anthropology, Psychology & Sociology</i> ISBN: 0-07-088032-8</p> | <p><i>Images of Society: Intro to Anthropology, Psychology & Sociology- Teachers Resource</i> ISBN: 0-07-088745-4</p> <p><i>Images of Society: Intro to Anthropology, Psychology & Sociology- Computerized Assessment Bank</i> ISBN: 0-70-088747-0</p> | McGraw-Hill |
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| Computer Technology 3101/3102 | <p><i>Computer Concepts in Action</i> ISBN: 0-07-8805775</p> | <p><i>Computer Concepts in Action Teacher's Resource Manual</i> ISBN: 0-07-8807255</p> <p><i>Computer Concepts in Action Exam View Pro Test Generator</i> ISBN: 0-07-8807271</p> <p><i>Glencoe TechSim Interactive Tutorials (CD-ROM)</i> ISBN: 0-07-8728770</p> <p><i>Computer Concepts in Action Presentation Plus</i></p> | McGraw Hill |
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| | <p>(DVD)</p> <p>ISBN: 0-07-8897726</p> <p><i>Computer Concepts in Action Teacher Resource (DVD)</i></p> <p>ISBN: 0-07-8807263</p> <p><i>College Keyboarding Lessons 1-25: w/ Pro Deluxe 17th Edition</i></p> <p>ISBN: 0-17-6449655</p> <p><i>Keyboarding Pro Version 3.2 (CD-ROM)</i></p> | Nelson |
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