

## **Grade 12 / Senior 4 Courses**

### **English Language Arts 40S – Comprehensive Focus**

This course concentrates 50% on language that is used to capture and represent experience, feelings or vision and to create an imagined reality, and the other 50% concentrates on language that is used to convey viewpoints or information or to prompt action from an audience.

This course focuses equally on fiction (novels, short stories, plays, films) and on non-fiction (newspapers and magazine articles, documentaries, editorials). Students write extensively, including paragraphs, essays and other writing forms. This course helps students to develop an awareness of the different forms of language and the ability to apply their language skills to a variety of forms.

#### **Who Should Take This Course?**

The course workload for this English credit is split between pragmatic (practical) applications, and aesthetic (artistic) applications. Students who enjoy exploring texts in depth and expressing themselves creatively would benefit from this program.

Successful completion of Language Arts 40S Comprehensive Focus permits admission to all programs at Red River College, the University of Manitoba, the University of Winnipeg, Brandon University, Assiniboine Community College, and Keewatin Community College.

Students should be prepared to work several hours per week outside of classroom time.

### **English Language Arts 40S – Transactional Focus**

This course concentrates 75% on the pragmatic (practical use) of oral and written language. This is language that informs, directs, persuades, analyzes, argues and explains. Transactional language is the "language to get things done". The other 25% of the course concentrates on language that is used primarily to capture and represent experience, feelings or vision and to create an imagined reality

Reading activities are primarily nonfiction selections and focus in particular on real-life writing (biographies, autobiographies, profiles, etc.). This course helps students to develop an awareness of the different forms of language and the ability to apply their language skills to a variety of forms.

The Transactional Focus is intended for those students whose post-secondary studies will include journalism, engineering, science, law, medicine, business administration, computer science, agriculture, nursing, etc.

#### **Who Should Take This Course?**

The course workload for this English credit mainly focuses on the pragmatic (practical) applications; however, there is some time spent on the aesthetic (creative). Students who plan on taking studies in Business Administration, Trades, Mathematics, Science, etc. would benefit from this program as it is more concrete in nature.

Successful completion of Language Arts 40S Comprehensive Focus permits admission to all programs at Red River College, the University of Manitoba, the University of Winnipeg, Brandon University, Assiniboine Community College, and Keewatin Community College.

Students should be prepared to work several hours per week outside of classroom time.

## **Consumer Math 40S**

In order to meet the challenges of society, high school graduates must be mathematically literate. This course emphasizes consumer applications, problem solving, and decision making. Topics include: government finance, income tax, design and measurement, career planning, personal finance, investments, variations/formulas, and statistics.

Consumer Math 30S is recommended as a prerequisite.

### **Who Should Take This Course?**

This course is not designed for students wishing to pursue further studies in the field of mathematics or science. However, successful completion of Consumer Math 40S will permit admission to 19 of 21 programs at Assiniboine Community College in Portage la Prairie; 29 of 33 programs at Keewatin Community College in The Pas; and 32 of 42 programs at Red River College. The University of Manitoba will allow admission in their University 1 program with Consumer Math 40S; however, there is limited admission to courses in the mathematics department.

## **Precalculus 40S**

Precalculus 30S or evidence of previous success with higher level algebraic studies is a prerequisite to Precalculus 40S.

Grade 12 Pre-Calculus is designed for students who intend to study calculus and related mathematics as part of their post-secondary education. This course is designed primarily as a high-level study of theoretical mathematics with an emphasis on problem solving and mental mathematics. Topics of study include circular functions, transformations, trigonometric identities, exponents and logarithms, permutations and combinations, conics, probability, and geometric sequence.

### **Who Should Take This Course?**

Precalculus 40S is designed for students with good mathematical ability who will be continuing studies at the post-secondary level in fields related to science, mathematics, computer science, engineering, architecture, or the technologies. The curriculum is intended as preparation for calculus at the university or college levels. Successful completion of Precalculus 40S allows admission to all programs at Red River College, Assiniboine Community College, and Keewatin Community College. In addition, admission is granted to University 1 with either single or double English 40S credits, admission to all mathematics/science courses at the University of Winnipeg with one English 40S credit, and admission to Brandon University with one English 40S credit.

Students who do not have the discipline or commitment to devote several hours of homework per week should not attempt this course.

## **Accounting Systems 40S (not offered this year)**

Grade 12 Accounting builds and expands upon the accounting principles and concepts introduced in Grade 11 Accounting Principles and focuses on merchandise accounting. The creation and maintenance of computer accounting records are an integral component of the curriculum. Problem-solving skills using computers, business-oriented skills, business ethics, communication, and technology are incorporated into the course.

This course will be introduced immediately following the completion of the Grade 11 Accounting course. Initially, the instruction of the course will follow the traditional teacher led format. However, as students become more comfortable with computerized accounting, more of a self-paced model of learning will be encouraged.

Accounting 30S is a required prerequisite for Accounting 40S.

### **Who Should Take This Course?**

This course would appeal to those learners who are interested in enhancing the accounting theory learned in Accounting 30S, as Accounting 40S builds on those skills by addressing procedures necessary for a merchandising firm. In addition, students will become adept at maintaining accounting records through the computer program Simply Accounting. This course would benefit anyone interested in pursuing an accounting designation such as Certified General Accountant or Certified Management Accountant. It would provide valuable preparatory knowledge for anyone interested in taking Business Administration or Computerized Accounting at Red River College or one of the private career colleges. Accounting Systems 40S is one of the academic subjects approved for regular admission at the University of Winnipeg

### **Law 40S**

Law provides students with an introduction to the legal system in Canada as well as the principles, practices, and consequences of law with regard to torts, contracts, crimes, property rights, family and inheritance. While the course provides some background to business situations, many topics deal with circumstances found in private life.

Students also look at the Young Offenders Act, the Charter of Rights and Freedoms, fairness of the judicial system, and sentencing.

(No prerequisites are required for this course)

### **Who Should Take This Course?**

This course would be suitable for students who are interested in the laws that will have a direct influence on their lives, such as employment law, family law, and property law. It is also for fans of shows like "Law and Order", as we take a look at the Canadian criminal legal system as well. Whether you plan to study law in university or are just curious about your rights and responsibilities as a citizen, you will find this course stimulating and challenging. Law 40S is one of the academic subjects approved for regular admission at the University of Winnipeg.

### **Biology 40S**

Grade 12 Biology is designed to assist students in achieving a greater understanding of human genetics, bioenergetics, the animal kingdom, and the plant kingdom. Essential life systems such as cellular respiration and photosynthesis are examined.

(No prerequisites are required for this course)

### **Who Should Take This Course?**

This course would be suitable for students planning on entering further studies in nursing or the sciences at the post-secondary level. No prerequisite is required for this course. Biology 40S is one of the academic subjects approved for regular admission at either the University of Manitoba or the University of Winnipeg.

### **Chemistry 40S**

The purpose of Chemistry 40S is to serve as an extension or continuation of the development of principles of chemistry learned in the Grade 11 course. The fundamental principles which will be introduced will include electronic structure, bonding, the periodic table, chemical equilibrium, acid-base equilibria, oxidation and reduction reactions. A review of essential Chemistry 30S theory will be incorporated into the course.

(No prerequisites are required for this course)

### **Who Should Take This Course?**

This course would be suitable for students planning on entering further studies in nursing or the sciences at the post-secondary level. Although preferable and beneficial to have Chemistry 30S, no prerequisite is required for this course other than the commitment to devote several hours in at-home study per week. The teacher will incorporate substantial Grade 11 review into the course in order to permit successful completion of the Grade 12 course. Chemistry 40S is one of the academic subjects approved for regular admission at either the University of Manitoba or the University of Winnipeg.

### **Physics 40S (not offered this year)**

This course continues the study of basic concepts that were studied in the Grade 11 Physics course and expands upon them. A knowledge of motion, vectors and energy is required in order to understand the topics covered in Grade 12 Physics. More specifically, the course discusses Electric Forces and Magnetic Fields, Electric Circuits, Projectiles and Circular Motion, Work and Energy, Exploration of Space, and Electromagnetic Induction.

Physics 30S (Grade 11) and Precalculus 40S (Grade 12) are recommended as prerequisites for this course.

### **Who Should Take This Course?**

This course is designed for students who are interested in engineering, x-ray technology, or medical careers. Problem-solving and logical thinking are emphasized. Therefore, students must have a solid mathematical background.

### **Family Studies 40S**

Family Studies offers a preventative, proactive, and practical approach to support families. Students have the opportunity to explore issues and experience hands-on learning related to daily living. The best way to make decisions about our personal lives is to be more knowledgeable of family life issues. The course topics include: decision-making, conflict resolution, relationships, drugs and alcohol, nutrition, reproduction, health and wellness, suicide awareness, etc. Various speakers are invited to speak on different issues.

### **Who Should Take This Course?**

Students who are interested in family dynamics, or who plan to take Early Childhood Education, Education, Social Work, Psychology, Counseling, etc. would benefit from this course. Family Studies 40S is one of the academic subjects approved for regular admission at the University of Winnipeg.

### **Psychology 40S**

Psychology is a course that examines human behaviour, especially the "hows" and "whys" of what we do, think, and feel. An exploration of these topics is relevant to our lives as we experience a wide range of human development, learning acquisition, motivation, emotions, group behaviour, and psychological disorders.

### **Who Should Take This Course?**

This course is ideal for students wishing to pursue post-secondary studies. Psychology is a popular elective at university and this gives you a very thorough "heads up" on the field of psychology. You'll learn about many different theories from Sigmund Freud to Inkblot tests. This course also helps you realize how you think and learn and creates an understanding of how you can improve yourself for the better in the pursuit of your goals and dreams.

## **Career Education 40S**

Recognizing the fact that work is directly tied to a person's economic well-being and a person's self-esteem, Career Education teaches the skills, habits, and attitudes necessary to become successful employees. Students will identify their individual interests, aptitudes, and values in order to gain insight into choosing a suitable career path. Built into the curriculum are developing effective resumes, cover letter writing, job search techniques, and developing interview and public-speaking skills. Guest speakers from industry, visits to various educational institutions, and CPR training provide a valuable dimension to the course.

### **Who Should Take This Course?**

All day students who do not have a well-defined career path are encouraged to enroll in this course. In addition, anyone interested in gaining new insights into current labour market trends and influences, becoming informed about educational opportunities, and/or those who would like to update their resume and build on their communication skills would benefit from this course.

## **Automated Office 40S**

Automated Office is designed for those students who are pursuing business and office work. Topics included in the course include: computer operations, electronic communication, information management, desktop publishing, reprographics, keyboarding, and an office simulation exercise.

### **Who Should Take This Course?**

Students who are considering a career in office administration would benefit from enrolling in this course.