

Successful completion of the Preliminary Year program requires a PASS standing in Interdisciplinary Studies 0015 and passing grade (50% or higher) in 5.0 full course equivalents chosen from the list below. *Please note, not all courses will be offered in a given year.*

**Students enrolled in this program are required to register in:  
INTERDISCIPLINARY STUDIES 0015**

***Success in the University Environment***

This course is designed to provide students who are registered in the Brescia University College Preliminary Year with opportunities to learn new abilities and upgrade skills needed to achieve success in the university environment. Successful completion of Interdisciplinary Studies 0015 is required to pass Preliminary Year at Brescia.

1.5 hours, no credit

**In addition to the above required course, students choose 5.0 courses from the following list of courses:**

**BIOLOGY 0010**

***Biological Systems***

In-depth study of the concepts and processes in biological systems. Students will study theory and conduct investigations in the areas of biochemistry, metabolic processes, molecular genetics, homeostasis, and population dynamics. Emphasis will be placed on the development of skills and knowledge needed for further study in Biology and related fields.

2 lecture hours, 3 laboratory/tutorial hours, 1.0 course

**CHEMISTRY 0010**

***Introductory Chemistry***

This course is equivalent to 12U/OAC level chemistry, studying the nature of scientific activity and the explanation of chemical reactions, modern atomic theory and molecular structure.

2 lecture hours, 3 laboratory hours, 1.0 course

**ENGLISH 0010**

***Literature and Composition***

This course is designed to introduce the student to the study of literature, including poetry, short stories, novels, and plays. This course will encourage a critical approach to literature, with special attention essay writing skills.

3 lecture hours, 1.0 course

**FOODS AND NUTRITION 0011A**

***Introduction to Foods and Nutrition: Healthy Eating***

An introductory course about the basic aspects of Healthy Eating. Emphasis will be placed on how students can use credible resources to find information about the nutrient content of foods, read food labels, nutrition recommendations (including Canada's Food Guide) and the eating habits for their life stage and make healthy food choices for themselves.

3 lecture hours (includes in-class activities)/week, 0.5 course.

**FOODS AND NUTRITION 0012B**

***Introduction to Foods and Nutrition: Lifecycle Nutrition***

An introductory course about the basic aspects of Life Cycle Nutrition. Emphasis will be placed on how students can use credible resources to find information about nutrition recommendations and eating habits of Canadians of all ages and life stages, nutrition and disease prevention, nutrition and physical activity, safe food handling procedures, food biotechnology and global hunger.

3 Lecture hours (includes in-class activities)/ week, 0.5 course.

**FRENCH 1002**

***Intensive French***

Grammar, composition, oral practice. This course is designed for students beginning French, or having a limited knowledge of French.

5 lecture/laboratory hours, 1.0 course

**INTERDISCIPLINARY STUDIES 1015G**

***Interdisciplinary Perspectives***

An interdisciplinary seminar focusing on a current-issue or specialized topic, as selected by the instructor. Through focused class discussions and exercises, students will explore the topic from multiple perspectives while developing a core set of skills including information literacy, written and oral communication, and critical thinking.

3 lecture hours, 0.5 course

**DIMENSIONS OF LEADERSHIP 1000B**

***Primer on Leadership***

An introduction to various aspects of the study of leadership, with an emphasis on the theory and practice of leadership.

3 lecture hours, 0.5 course

Students interested in pursuing degree in Business are advised to enroll in two of Math 0105A/B, Math 0110A/B, Math 1229A/B

**MATHEMATICS 0105A**

**Precalculus Mathematics**

Set theory, functions and relations, trigonometry, logarithms and exponents.  
3 lecture hours, 0.5 course

**MATHEMATICS 0110B**

***Introductory Calculus***

Introduction to differential calculus including limits, continuity, definition of derivative, rules for differentiation, implicit differentiation, velocity, acceleration, related rates, maxima and minima, exponential functions, logarithmic functions, differentiation of exponential and logarithmic functions, curve sketching.  
4 lecture hours, 0.5 course

**MATHEMATICS 1229A/B**

***Methods of Matrix Algebra***

Matrix algebra including vectors and matrices, linear equations, determinants. This course is intended primarily for students in the Social Sciences, but may meet minimum requirements for some Biological or Basic Medical Sciences modules.  
3 lecture hours, 0.5 course

**PHYSICS 0010**

***Introduction to Physics***

An introduction to the concepts and theories of physics. Topics covered include the laws of dynamics and energy transformations; electrical, gravitational, and magnetic fields; electromagnetic radiation; and the interface between energy and matter. Students will also develop inquiry skills, and an understanding of the scientific method.  
2 lecture hours, 3 laboratory/tutorial hours, 1.0 course

**RELIGIOUS STUDIES 0011**

***Religious Quests in the Twentieth Century***

An introduction to Religious Studies based on autobiographies and/or biographies of twentieth century persons representing different religious perspectives and walks of life. Lectures, discussions of written materials and films.  
2 lecture hours, 1 seminar hour, 1.0 course

**SOCIOLOGY 0010A**

***Understanding Society: Social Life and Social Inequality***

This course considers how social forces impact people's everyday lives. Topics include sociological theory, research methods, culture, socialization, crime and deviance, social interaction, social structure, groups, social class, race, gender, and sexual orientation.

3 lecture hours, 0.5 course

**SOCIOLOGY 0011B**

***Understanding Society: Social Institutions and Social Change***

This course explores different social institutions and the dynamics of social change. Topics include the sociological perspective and research techniques, families, education, religion, health, mass media, aging, the economy and work, population, collective behaviour, and urbanization.

3 lecture hours, 0.5 course

**SPANISH 1030**

***Spanish for Beginners***

Introduction to understanding, speaking, reading, and writing Spanish with emphasis on oral skills. Intended for students with little or no previous knowledge of Spanish.

4.0 hours, 1.0 course

**WRITING 1020F/G**

***Writing: Introduction to University Essay Writing (permission of Academic Advisor required)***

A practical introduction to the basics of successful academic writing, designed for first-year students in all disciplines. Topics will range from grammar, sentence structure, and paragraphing to the principles of scholarly argument and research.

3 lecture/tutorial hours, 0.5 course.