

2006-2007

Arts and Sciences

We train minds

In today's world, the most valued minds are not just those trained in the methodology of science, nor those schooled in the creative discipline of the arts. The most valued minds are those that can encompass both arts and science. That can view the plague of the Middle Ages from historical and medical perspectives. That can see the science and mathematics of Galileo's breakthrough, along with its religious and social implications. This is the type of mind the Marianopolis Arts and Sciences program was created for: flexible, avid to learn, able to make intellectual leaps across disciplines to arrive at deeper insights and understanding.



“ Think like a chemist...like a historian... like an artist.” These phrases have been uttered in my classes over recent years and bring to mind the crucial reason for education. Education is more than simply absorbing information; it lays a foundation for future thought and teaches us how to think. Through the Arts and Sciences Program, I hope to expand the scope of my knowledge by understanding how a chemist, a historian and an artist think. ”

Mita Dutta
March 2004





What is the Arts & Sciences program (*DEC intégré*)?

Because so few colleges offer an Arts and Sciences program (also known as *Sciences, lettres et arts*, or *DEC intégré*), we like to view our program as a real opportunity. Arts and Sciences at Marianopolis builds on our strong and cooperative departments of Science, Mathematics, Social Science, Visual Arts, and General Education, enabling you to complete all the requirements in just two years.

Is Arts and Sciences right for you?

Some students have a deep passion for science and arts-based subjects, and possess the intellectual flexibility to do well in both. If this describes you, and you have the requisite marks, we encourage you to apply. We created the Arts and Sciences program at Marianopolis so that you don't have to give up either area of interest. By following both, you'll broaden your education and open up a wider range of choices at university and in life.

You'll be able to:

- Explore a wide range of subjects in depth, including Science, Arts and Social Sciences
- Learn in a challenging but supportive environment, as part of a community of learners who share your curiosity and motivation
- Benefit from extracurricular lectures, competitions and visits
- Keep your university options wide open, in Québec and elsewhere

“ I consider the Arts and Sciences program an extension of my passion for the arts and sciences. Because of a wide range of interests, I have not chosen a field of study for university. This program would give me post-Cegep versatility and flexibility, leaving every option open and enabling me to deepen my understanding of several fields before having to choose one to pursue. ”

Jake Levinson
February 2005

creativity

Prerequisites: what you need to apply

We invite you to apply if you have an overall combined average mark of 85% or more in Sec IV and V, as well as strong reading and writing skills. Along with your Québec Diploma of Secondary Studies, you must have completed Chemistry 534, Physics 534 and Mathematics 536. You must also submit a letter of intent.

This one or two-page letter is your opportunity to tell us about your interest in the Arts, Social Sciences and Natural Sciences. It should also describe any activities or interests — drama, music, art — that would give our admission committee a sense of why you would be an ideal candidate.

Application deadline: You can apply only for Fall admission, and your application and letter of intent must be received by **March 1**.

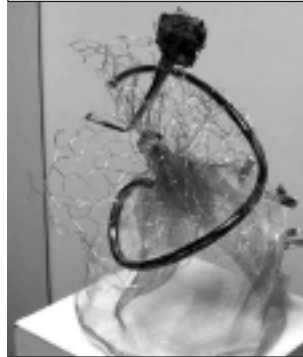
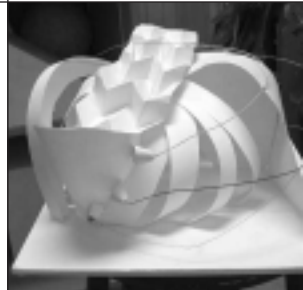
Is there life after Arts and Sciences?

Actually, there is — and plenty of it! As a Marianopolis Arts and Sciences graduate, you can apply to virtually any university program. What's more, many universities — as well as future employers — look favourably on applicants who show an interest in a wide range of subjects. This indicates to them your ability to “think outside the box”, to acquire new skills and problem-solve with far greater facility.

You can pursue university studies and careers in:

- Architecture
- Science
- Engineering
- Mathematics
- Education
- Medicine
- Health related fields
- Environmental studies
- Languages
- Law
- Communications

And the list goes on...





strengths

Arts and Sciences at Marianopolis

Multiple disciplines, directions...and opportunities

Arts and Sciences at Marianopolis is not a generalist program in which you dip lightly into arts and sciences subjects. It is actually intensive in all areas, preparing you for university admission into virtually any program.

Strengths of the Marianopolis program

Dedicated, expert teachers

Arts and Sciences at Marianopolis has recruited teachers from our faculty who have academic strengths in their field, as well as broad, multidisciplinary perspectives. They come from all seven departments, and bring with them a passion for their subject, along with an understanding of how it connects with the wider world.

A broad-based approach

Your course of study is fairly well mapped out and will prepare you thoroughly in key subject areas:

- Four subjects in Social Sciences (History, Sociology, Psychology, and Politics/Economics)
- Five Science courses (Chemistry, Physics, Biology)
- Four Mathematics courses
- Two Visual Arts courses

In your second year, you will have an opportunity to add a language course or choose to deepen your studies in Science, Social Science or Arts.

Great Works focus

Unique to this program, the general education component includes a “Great Works” objective in English and Humanities. Specifically, you will explore 20 landmark works of literature and philosophy that have shaped how our society thinks, acts and views the world.

The Integrating Seminar — how we connect the dots

As a student in Arts and Sciences, one of the requirements is to take part in an Integrating Seminar. We consider this seminar, along with other similar opportunities we've built into the program, as critical to your intellectual growth. They will enable you to share your insights with other students, and to make connections across the main areas of study.

Becoming part of a distinct community of learners

When you're admitted to Arts and Sciences, you'll find that most courses are with students within the program, so you quickly build friendships with others just like yourself — students who share wide interests and a strong work ethic. But you will also enjoy meeting students from other programs in some of your courses.



ARTS AND SCIENCES

To satisfy the diploma requirements, you need 29 courses, chosen from the list below, providing you with 59-1/3 credits.

GENERAL EDUCATION COMPONENT (21-1/3 CREDITS)

- | | | |
|------------------------|---------------|---|
| • 4 English | 9-1/3 credits | • English Exit Examination |
| • 3 Humanities | 6 credits | • Comprehensive Assessment (épreuve synthèse) |
| • 2 Physical Education | 2 credits | |
| • 2 French | 4 credits | |

SPECIFIC EDUCATION COMPONENT (38 CREDITS)

Compulsory (31-2/3 credits)

Art

- | | |
|--------------------------------------|---------|
| • Thematic Studies In History of Art | ARH-903 |
| • Introduction to Studio Art | ART-100 |

Mathematics

- | | |
|------------------------------|---------|
| • Differential Calculus | MAT-701 |
| • Integral Calculus | MAT-702 |
| • Linear Algebra I | MAT-703 |
| • Probability and Statistics | MAT-704 |

Science

- | | |
|------------------------------------|---------|
| • General Biology I | BIO-701 |
| • Chemistry I | CHE-701 |
| • Mechanics | PHY-701 |
| • Optics, Waves and Modern Physics | PHY-702 |

Social Science

- | | |
|-----------------------------|---------|
| • International Economics | ECO-701 |
| • Western Civilization | HIS-701 |
| • Human Behaviour | PSY-701 |
| • Dynamics of Social Change | SOC-701 |

Integrative Course

MEQ-700

Elective (6-1/3 credits)

Choose two courses (4-2/3 credits), at least one of which must be in Science, from the following:

- Biology II
- Electricity and Magnetism
- Chemistry II
- Creative Workshop *
- Spanish (Advanced level) **
- German (Advanced level) **

Choose one course (1-2/3 credits) from the following:

- Artistic Production *
- Spanish **
- German **
- Contemporary Social Issues
- Topics in Economics ***
- Topics in History ***
- Topics in Psychology***
- Topics in Sociology ***

* Students cannot choose both Creative Workshop and Artistic Production.

** At most, one language course may be chosen.

*** Refers to any advanced level course in the discipline.



Your first year in the Arts and Sciences program

The table below offers a snapshot of the first two terms in the Arts and Sciences Program. It shows how the Science, Math, Social Science, Visual Arts and General Education courses are "folded" into the ongoing program. As you can see, Arts and Sciences is intensive in all areas, but also manageable within the two-year timeframe.

Term 1 (Profiles A, B and C)	
Introduction to College English	ENG-101
Physical Education	PHE-103 or 104
Introduction to Studio Art	ART-100
Differential Calculus	MAT-701
Biology I	BIO-701
Chemistry I	CHE-701
Western Civilization	HIS-701
Term 2 (Profiles A, B and C)	
Literary Works I	ENG-102
Physical Education	PHE-103 or 104
World Views	HUM-102
French	FRE-100 or 101 or 102 or 103
Medieval and Renaissance Art	ARH-903
Integral Calculus	MAT-702
Mechanics	PHY-701
Dynamics of Social Change	SOC-701



“ The choices we make early in life will determine the path to our future. When given the ability to understand the complexities of science and math and the gift to express oneself in a creative manner, it is difficult to simply choose one subject and ignore the other. The Arts and Sciences program at Marianopolis enables me to explore these different disciplines and benefit from their differences... Science, History and Creative Arts may seem like completely separate disciplines yet, when studied thoroughly, enables one to see something from three completely different angles... The Arts and Sciences program will give me the opportunity to become a well rounded individual and develop science and communication skills that will benefit me throughout my lifetime. ”

Stephanie Mechanic
March 2005

Artwork on p.3 by Shan Sun (top),
Heather Christie (bottom) and
p.4 by Julie Quance