

## Choosing Educational Pathways

At Dalian Maple Leaf International School, we encourage our students to develop their strengths and interests throughout their high school experience. We work with students to help them clarify their educational and career goals so that they may continue their studies at a college or university that is best suited for their needs. Once the students identify the area of study in which they are interested, it is important that they choose the appropriate courses in Grades 11 and 12 so that they meet the university entrance requirements for that particular program. In order to assist students in making their course choices, we help students link their area of study to an Educational Pathways. The eight pathways with some examples of areas of study (the students have a more complete listing) are:

- |                          |  |
|--------------------------|--|
| 1. Applied Arts          | - fashion design, interior design, film/media studies      |
| 2. Fine Arts             | - drama, visual arts, music                                |
| 3. Arts: Humanities      | - geography, linguistics, translation, history, psychology |
| 4. Business              | - accounting, finance, management, marketing               |
| 5. Engineering           | - aerospace, automotive, biochemical, civil, geological    |
| 6. Environmental Studies | - resource studies, landscape architecture                 |
| 7. Health Sciences       | - food science, human nutrition, human kinetics            |
| 8. Sciences              | - actuarial sciences, biology, chemistry, physics          |

Each Pathway has a list of required and recommended Grade 11 and 12 courses. In April of each year, students choose their courses according to the requirements of their Pathway. Students may change their Pathway from year to year but they may find that they have to make up a required course. The Science Pathway is recommended for students who are unsure of which Pathway is best for them as this would allow them the most options.

The key to making good decisions is to first become knowledgeable. With this in mind, we encourage our students to discuss career and educational options with their parents, teachers, counselors, and academic advisers.

## Career Pathways – Examples of Some Areas of Study

### Arts: Applied Arts

Mass communication studies  
Graphic Communications  
Animation  
Radio & Television Arts

Fashion Design  
Interior Design  
Multi-media

Film/Media Studies  
Journalism  
Photographic Arts

### Arts: Fine Arts

Dance  
Photography

Drama  
Studio Art

Music  
Theatre Arts

Music Theatre  
Visual Arts Art History

### Arts: Humanities/Social Science

Anthropology  
Child Studies  
Earth Science  
Geography  
Human Rights  
International Development  
International Trade  
Labour Studies  
Linguistics  
Political Science  
Classics/Religion

Archeology  
Creative Writing  
Economics  
Global Studies  
Human Behaviour  
International Relations  
Journalism  
Language & Logic  
Mathematics  
Psychology  
Theatre Arts/Drama

Asian Studies  
Criminology  
English  
History  
Information Technology  
International Studies  
Justice Studies  
Law Studies  
Philosophy  
Sociology  
Translation

### Business/Commerce/Administration

Accounting  
Banking  
Computers & Business  
Entrepreneurship  
Human Resources  
International Business  
Public Affairs & Management  
Sports Management

Administration  
Business Information Systems  
Consumer Studies  
Finance/Economics  
Information Technology  
Marketing  
Resource Management  
Technology & Operations Management

Agribusiness  
Commerce  
E-Business  
Hospitality/Tourism  
Insurance  
Operations Management  
Retail Management

### Engineering (Applied Science)

Aerospace  
Biochemical  
Chemical  
Computer Game Development  
Environmental  
Marine  
Mining/Petroleum  
Water Resources

Applied Mathematic  
Biological  
Civil/Structural  
Construction Science  
Geological  
Mechanical  
Renewable Energy

Automotive  
Biotechnology  
Computer Software  
Electrical  
Industrial  
Metallurgical  
Software

**Environmental Studies/Planning**

Architectural Studies	Building Science	Environmental Biology
Environmental Chemistry	Environmental Economics & Policy	
Environmental Hydrology	Environmental Protection	Environmetrics
Forestry	Industrial Design	Landscape Architecture
Project Management	Resource Management	Urban Studies & Planning

**Health Sciences**

Dietetics/Human Nutrition	Food Science	Genetics
Health Studies	Health Services Management	Human Kinetics
Kinesiology	Nutritional Science	Occupational Therapy
Physical Therapy	Physiology	Social Welfare
Recreation & Leisure Studies	Sport & Exercise Management	

**Sciences**

Actuarial	Animal Biology	Astronomy
Atmospheric Chemistry	Biochemistry	Biology
Biomedical	Biotechnology	Botany
Cellular Biology	Chemistry	Computer Science Computers
& Multimedia	Conservation Ecology	Earth Science
Ecology	Forensic Sciences	Geology
Geophysics	Health Sciences	
Marine & Freshwater Biology	Microbiology	Neuroscience
Oceanography	Physics	Plant Biology
Planetary	Psychology	Software Design
Space Science	Statistics	Toxicology
Wildlife Biology	Zoology	

## POST-SECONDARY EDUCATION PATHWAYS

### Plan ahead for your journey

Not all universities have the same entrance requirements although most require English 12 (colleges will accept Communications 12). The universities will also require 3 or 4 other academic courses (it is highly recommended that you have at least 4 provincial exam courses and 1 other academic grade 12 course). You must be sure to choose the courses that will be required for entry into the faculty and program of your choice. The table below shows the specific course requirements of *pathways* (programs of study) and will help you in making choices that will lead you to your goal.

Pathway (program of study)	Required Grade 11 courses	Required courses Grade 12	Recommended Courses Gr. 11 or 12
<b>Arts: Applied</b>	Engl or Comm Mandarin or CSL Social Studies Math P.E. 1 Science 1 other *Chinese course	Engl or Comm Mandarin or CSL P.E. 2 other exam. courses 1 other academic course *Chinese course	Art Foundations 11/12, ICTC 12, ICTM 12, TPA (drama) 11/12, AP Art
<b>Arts: Humanities or Social Science</b>	Engl or Comm Mandarin or CSL Social Studies Math P.E. 1 Science 1 other *Chinese course	Engl or Comm Mandarin or CSL P.E. 2 other exam. courses 1 other academic course *Chinese course	Math, a Science, History 12, Geography 12, Comparative Civilizations 12, AP Government, ICTC 12, Economics 12
<b>Business/Commerce/ Administration</b>	Engl or Comm Mandarin or CSL Social Studies Math P.E. 1 Science 1 other *Chinese course	Engl or Comm Mandarin or CSL P.E. Math Calculus 1 other exam. Course *Chinese course	Accounting 12, ICTC 12, Economics 12, Business 12, Tourism 12, Marketing 12,
<b>Engineering</b>	Engl or Comm Mandarin or CSL Social Studies Math P.E. Physics Chemistry *Chinese course	Engl or Comm Mandarin or CSL P.E. Math Calculus Physics Chemistry *Chinese course	ICTC 12

<b>Environmental Studies/Planning</b>	<b>Engl or Comm Mandarin or CSL Social Studies Math P.E. 2 Sciences *Chinese course</b>	<b>Engl or Comm Mandarin or CSL P.E. Math Calculus 2 Sciences *Chinese course</b>	<b>Economics 12, Geography 12, Biology 11/12, Chemistry 11/12, Earth Science 11, ICTC 12</b>
<b>Fine Arts</b>	<b>Engl or Comm Mandarin or CSL Social Studies Math P.E. 1 Science 1 other *Chinese course</b>	<b>Engl or Comm Mandarin or CSL P.E. 2 other exam. courses 1 other academic course (may require Art portfolio) *Chinese course</b>	<b>Art Foundations 11/12, ICTM 12, TPA (drama) 11/12, AP Art</b>
<b>Health Sciences</b>	<b>Engl or Comm Mandarin or CSL Social Studies Math P.E. Biology Chemistry *Chinese course</b>	<b>Engl or Comm Mandarin or CSL P.E. Math Calculus Biology Chemistry *Chinese course</b>	
<b>Sciences</b>	<b>Engl or Comm Mandarin or CSL Social Studies Math P.E. 2 Sciences *Chinese course</b>	<b>Engl or Comm Mandarin or CSL P.E. Math Calculus 2 Sciences *Chinese course</b>	

**\*\* TAKE COURSES WHICH WILL PROVIDE YOU WITH THE BROADEST RANGE OF PROGRAM CHOICES.**