

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 Pathway. The eight pathways are (see our website www.mapleleaf.net.cn for complete description):

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|---------------------|--------------------------|
| 1. Applied Arts | 5. Engineering |
| 2. Fine Arts | 6. Environmental Studies |
| 3. Arts: Humanities | 7. Health Sciences |
| 4. Business | 8. Sciences |

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 advisors.

GRADE 11 PATHWAYS CHART:

The table below shows the specific course requirements of *pathways* (programs of study)

Pathway	DMLIS Required Grade 11 courses	Recommended Electives
Arts: Applied	<ol style="list-style-type: none"> 1. English or Communications 2. Math 3. Social Studies 4. P.E. 5. Mandarin (or CSL) 6. Chinese Social Studies (required for Chinese students). International students must choose another course 7. choose a Science 8. choose an Elective 	<ul style="list-style-type: none"> - Art Foundations 11 - ICTM (Multimedia) 11 - Drama 11 - Studio Art 11
Arts: Fine Arts	<ol style="list-style-type: none"> 1. English or Communications 2. Math 3. Social Studies 4. P.E. 	<ul style="list-style-type: none"> - Art Foundations 11 - ICTM (multimedia) 11 - Drama 11

	<ol style="list-style-type: none"> 5. Mandarin (or CSL) 6. Chinese Social Studies (required for Chinese students). International students must choose another course 7. choose a Science 8. choose an Elective 	<ul style="list-style-type: none"> - Studio Art 11
Arts: Humanities or Social Science	<ol style="list-style-type: none"> 1. English or Communications 2. Math 3. Social Studies 4. P.E. 5. Mandarin (or CSL) 6. Chinese Social Studies (required for Chinese students). International students must choose another course 7. choose a Science 8. choose an Elective 	<ul style="list-style-type: none"> - Art Foundations 11 - ICTM (Multimedia) 11 - Drama 11 - Studio Art 11 - Psychology 12
Business	<ol style="list-style-type: none"> 1. English or Communications 2. Math 3. Social Studies 4. P.E. 5. Mandarin (or CSL) 6. Chinese Social Studies (required for Chinese students). International students must choose another course 7. choose a Science 8. choose an Elective 	<ul style="list-style-type: none"> - Accounting 11 - Business Management 12 - Marketing 12 - ICTP (Programming) 11
Engineering	<ol style="list-style-type: none"> 1. English or Communications 2. Math 3. Social Studies 4. P.E. 5. Mandarin (or CSL) 6. Chinese Social Studies (required for Chinese students). International students must choose another course 7. Chemistry 8. Physics 	<ul style="list-style-type: none"> - ICTP (Programming) 11

Environmental Studies	1. English or Communications 2. Math 3. Social Studies 4. P.E. 5. Mandarin (or CSL) 6. Chinese Social Studies (required for Chinese students). International students must choose another course 7. Biology 8. Chemistry	- Physics 11 - Earth Science 11
Health Sciences	1. English or Communications 2. Math 3. Social Studies 4. P.E. 5. Mandarin (or CSL) 6. Chinese Social Studies (required for Chinese students). International students must choose another course 7. Biology 8. Chemistry	- Physics 11 - Psychology 12
Sciences	1. English or Communications 2. Math 3. Social Studies 4. P.E. 5. Mandarin (or CSL) 6. Chinese Social Studies (required for Chinese students). International students must choose another course 7. choose a Science 8. choose a Science	- Biology 11 - Chemistry 11 - Physics 11 - Earth Science 11 - ICTP (programming) 11

ALL GRADE 11 STUDENTS MUST TAKE 8 COURSES

Required courses:

1. English 11 or Communications 11
2. Mathematics 11
3. Social Studies 11
4. Physical Education 11
5. Mandarin 11 (CSL for International Students)
6. Chinese Social Studies 11 (Chinese students)
International students choose another course
7. Choose a Science 11
8. Choose an Elective according to Pathway

Grade 11 Courses Offered for the 2009/10 School Year:

English:

- English 11
- Communications 11

Sciences:

- Chemistry 11
- Physics 11A (for students who will take Physics 12 in grade 12 and university)
- Physics 11 (for students who will not take Physics 12 in grade 12)
- Biology 11
- Earth Science 11
- Psychology 12 (cannot be 'counted' as a Science 11 requirement)

Mathematics:

- Mathematics 11

Social Studies:

- Social Studies 11

Business/Economics:

- Accounting 11
- Business Information Management 12
- Marketing 12

Information Technology:

- ICTP (programming) 11
- ICTM (multimedia) 11

Fine Arts/Applied Arts:

- Art Foundations 11
- Drama 11
- Studio Art (ceramics & sculpture) 11

Physical Education

- Physical Education 11

Chinese:

- Mandarin 11
- Chinese as a Second Language (CSL) 11 (for International students)
- Chinese Social Studies 11

GRADE 12 PATHWAYS CHART:

Not all universities and colleges have the same entrance requirements but most universities require 4 provincial exam courses (some require 5). Of these provincial exam courses, one must be an English course – for many English 12 is required but others accept Communications 12. Colleges generally have less restrictive entrance requirements. Specific schools for Applied and Fine Arts may not require 4 provincial exams but may ask students to submit a portfolio of their work. Therefore, be sure to check the websites of the particular college or university for specific information. Also, you must be sure to choose the courses that will be required for entry into the faculty and program of your choice.

Provincial exam courses: English 12, Communications 12, Math 12, Chemistry 12, Physics 12, Biology 12, History 12, Geography 12, Mandarin 12

The table below shows the specific course requirements of *pathways* (programs of study)

Pathway	DMLIS Required Grade 12 courses (minimum 6 courses)	Recommended Electives
Arts: Applied	<ol style="list-style-type: none"> 1. English or Communications 2. P.E. 3. Mandarin (or CSL) 4. Chinese Social Studies (required for Chinese students). International students must choose another course 5. provincial examinable course 6. provincial examinable course 7. may choose elective 8. may choose elective 	<ul style="list-style-type: none"> - Art Foundations 12 - ICTM (Multimedia) 11 - Drama 12 - Studio Art 12 - Dance Performance 12
Arts: Fine Arts	<ol style="list-style-type: none"> 1. English or Communications 2. P.E. 3. Mandarin (or CSL) 4. Chinese Social Studies (required for Chinese students). International students must choose another course 5. provincial examinable course 6. provincial examinable course 7. may choose elective 8. may choose elective 	<ul style="list-style-type: none"> - Art Foundations 12 - ICTM (multimedia) 11 - Drama 12 - Studio Art 12 - Dance Performance 12
Arts: Humanities or Social Science	<ol style="list-style-type: none"> 1. English or Communications 2. P.E. 3. Mandarin (or CSL) 4. Chinese Social Studies (required 	<ul style="list-style-type: none"> - History 12 - Geography 12 - AP Government 12

	<p>for Chinese students). International students must choose another course</p> <ol style="list-style-type: none"> 5. provincial examinable course 6. provincial examinable course 7. may choose elective 8. may choose elective 	<ul style="list-style-type: none"> - Economics 12 - AP Economics 12 - Psychology 12
Business	<ol style="list-style-type: none"> 1. English or Communications 2. P.E. 3. Mandarin (or CSL) 4. Chinese Social Studies (required for Chinese students). International students must choose another course 5. Math 12 6. provincial examinable course 7. Calculus required by some universities 8. may choose elective 	<ul style="list-style-type: none"> - Calculus 12 - Accounting 12 - Business Management 12 - Economics 12 - Marketing 12 - Entrepreneurship 12 - AP Statistics 12 - ICTP (Programming) 11
Engineering	<ol style="list-style-type: none"> 1. English or Communications 2. P.E. 3. Mandarin (or CSL) 4. Chinese Social Studies (required for Chinese students). International students may choose another course 5. Math 12 6. Calculus 12 7. Chemistry 12 8. Physics 12 	<ul style="list-style-type: none"> - AP Chemistry 12 - AP Physics 12 - AP Calculus 12 - AP Statistics 12 - ICTP (Programming) 11
Environmental Studies	<ol style="list-style-type: none"> 1. English or Communications 2. P.E. 3. Mandarin (or CSL) 4. Chinese Social Studies (required for Chinese students). International students may choose another course 5. Math 12 6. Calculus 12 7. Biology 12 8. Chemistry 12 	<ul style="list-style-type: none"> - AP Environmental Science 12 - AP Chemistry 12 - AP Economics 12 - AP Statistics 12 - Geography 12
Health Sciences	<ol style="list-style-type: none"> 1. English or Communications 2. P.E. 3. Mandarin (or CSL) 4. Chinese Social Studies (required for Chinese students). International students may choose another course 	<ul style="list-style-type: none"> - Physics 12 - AP Chemistry 12 - AP Physics 12 - Psychology 12 - AP Statistics 12

	5. Math 12 6. Calculus 12 7. Biology 12 8. Chemistry 12	
Sciences	1. English or Communications 2. P.E. 3. Mandarin (or CSL) 4. Chinese Social Studies (required for Chinese students). International students may choose another course 5. Math 12 6. Calculus 12 7. choose a Science 8. choose a Science	- Biology 12 - Chemistry 12 - Physics 12 - AP Physics 12 - AP Chemistry 12 - AP Calculus 12 - Psychology 12 - AP Statistics 12 - ICTP (programming) 11

ALL GRADE 12 STUDENTS MUST TAKE A MINIMUM OF 6 COURSES (MAXIMUM 8)

Required courses:

1. English 12 or Communications 12
2. Mandarin 12 (CSL 12 for International Students)
3. Physical Education 12 (choose from the following):
Regular PE PE Fitness PE Leadership PE Movement
4. Chinese Political Science 12 (Chinese students)
5. Student must take another course (check pathway requirement)
6. Student must take another course (check pathway requirement)
7. Student may have another pathway requirement or may choose to take an elective
8. Student may have another pathway requirement or may choose to take an elective.

Grade 12 Courses Offered for the 2009/10 School Year: (p = provincial

exam)

English:

- English 12 (p) **prerequisite: 50% EN 11*
- Communications 12 (p)

Sciences:

- Chemistry 12 (p) **prerequisite: 60% CH 11*
- AP Chemistry 12 **prerequisite: 90% CH 11, EN 11, PH 11*
- Physics 12 (p) **prerequisite: 70% PH 11*
- AP Physics B 12 **prerequisite: 90% PH 11, EN 11, CH 11*
- Biology 12 (p) **prerequisite: 70% Science 11 course, EN 11*
- AP Environmental Science 12 **prerequisite: 90% Science 11 course*

- Psychology 12

Mathematics:

- Mathematics 12 (p)
- Calculus 12
- AP Calculus AB 12 *prerequisite: 90% MA 11
- AP Statistics 12 *prerequisite: 90% MA 11

Social Studies/Humanities:

- Geography 12 (p) *prerequisite: 73% SS 11
- History 12 (p) *prerequisite: 77% SS 11
- AP Government 12 *prerequisite: 80% SS 11

Business/Economics:

- Accounting 12 *prerequisite: ACC 11
- Business Information Management 12
- Economics 12 *prerequisite: EN 11
- AP Micro Economics 12 *prerequisite: EN 11, 80% MA 11
- Marketing 12
- Entrepreneurship 12 *prerequisite: completion of one other Business course

Information Technology:

- ICTP (programming) 11
- ICTM (multimedia) 11

Fine Arts/Applied Arts:

- Art Foundations 12
- Drama 12
- Dance – Performance 12 (students may take this instead of PE 12)
- Studio Art (ceramics & sculpture) 12

Physical Education

- Physical Education 12
- Fitness 12
- Leadership 12
- Movement 12

Chinese:

- Mandarin (p)
- Chinese as a Second Language (CSL) 12 (for International students)
- Chinese Social Studies 12