

# Lamar High School Course Sequences

## 2022 - 2023

This course sequence is intended to be a guide for your four years at Lamar. Courses are subject to change based on state requirements and overall student interest. Your Academic Dean will discuss all options in depth when you choose your classes for the following year. You can always contact your Neighborhood Administrator, the MYP Coordinator, the IB Career-related Program coordinator, the IB Diploma Program coordinator, or the Magnet coordinator with any program specific questions before course selection.

Subject	IB Course Group	8th Grade	9th Grade	10th	11th	And/Or	12th
English	MYP Language & Literature	8th Grade English	English 1	English 2	English 3	And	English 4
	DP Group 1	8th Grade English	Pre IB English 1	Pre IB English 2	HL English Language and Literature 1	And	HL English Language and Literature 2

Subject	IB Course Group	8th Grade	9th Grade	10th	11th	And/Or	12th
LOTE Language Other Than English	MYP Language Acquisition		LOTE 1	Pre IB Lote 2	SL LOTE Yr 1	And	SL LOTE Yr 2
	DP Group 2		LOTE 1	Pre IB LOTE 2	SL LOTE Yr 1	And	SL LOTE Yr 2
	DP Group 2	LOTE 1	Pre IB LOTE 2	Pre IB LOTE 3	SL LOTE		
	DP Group 2	LOTE 1	Pre IB LOTE 2	Pre IB LOTE 3	HL LOTE Yr 1	And	HL LOTE Yr 2
	DP Group 2	Spanish 2	Pre IB Spanish 3	Spanish Seminar	HL LOTE Yr 1	And	HL LOTE Yr 2
Languages: Spanish, French, Chinese, and Arabic							

Subject	IB Course Group	8th Grade	9th Grade	10th	11th	And/Or	12th		
Social Studies	MYP Individuals & Societies	8th Grade US History	World Geography	World History	US History	And	Govt/Econ		
	DP Group 3	8th Grade US History	Pre IB Geography	AP World History	Pre DP US History (HOA Yr 1)	And	HL History of the Americas (HOA Yr 2)		
	DP Group 3				HL Economics Yr 1	And	HL Economics Yr 2		
	DP Group 3								SL Economics (1 year)
	DP Group 3				SL Art History	OR	SL Art History		
	DP Group 3				SL Philosophy	OR	SL Philosophy		
	DP Group 3				SL Psychology	OR	SL Psychology		
	DP Group 3				SL World Religions	OR	SL World Religions		
	N/A				AP Government (1 semester only)	OR	AP Government (1 semester only)		

U.S. History is a graduation requirement. All students take U.S. History in 11th grade.

Subject	IB Course Group	8th Grade	9th Grade	10th	11th	And/Or	12th
Science	MYP Sciences	8th Grade Science or IPC	Biology	Chemistry	Anatomy & Physiology	And	Earth and Space Science
		8th Grade Science or IPC	Pre IB Biology	Pre IB Chemistry	SL/HL Science Yr 1	And	Aquatic Science
		Pre IB Biology	Pre IB Chemistry	Pre IB Physics	SL/HL Science Yr 1	And	SL Sports, Exercise & Health Science
		DP Sciences: Biology (SL & HL); Physics (SL & HL); Chemistry (SL only); Sports, Exercise & Health (SL only), and Environmental Systems (SL only)					

Subject	IB Course Group	8th Grade	9th Grade	10th	11th	And/Or	12th
Math	MYP Mathematics	8th Grade Math	Algebra 1	Geometry	Algebra 2	And	Statistics
	DP Group 5*	8th Grade Math	Pre IB Algebra 1 (Pre-IB Geometry required in Summer School after 9th grade)	Pre IB Algebra II	SL AI Math Yr 1	And	SL AI Math Yr 2
	DP Group 5	Algebra 1	Pre IB Geometry	Pre IB Algebra II	SL/HL Math Yr 1	And	SL/HL Math Yr 2
	DP Group 5	Geometry	Pre IB Algebra 2	Pre IB Pre Calculus	SL/HL Math Yr 1	And	SL/HL Math Yr 2

\*If student wishes to pursue the IB Diploma but did not take Algebra 1 in 8th grade they can take Geometry between 9th and 10th grade.

Subject	IB Course Group	8th Grade	9th Grade	10th	11th	And/Or	12th
IB Core					Diploma Program Theory of Knowledge (Spring Semester)	And	DP TOK (Fall Semester)
					Career-related Program Personal & Professional Skills	And	CP PPS (Fall Semester)

CTE Cluster	Strand	Year 1	Year 2	Year 3	Year 4	Certification	Endorsement	Eligibility
<b>AGRICULTURE, FOOD, &amp; NATURAL RESOURCES</b>	Veterinary Science	Principles of Agriculture	Livestock Production	Veterinary Medical Applications	Practicum	Certified Veterinary Assistant	Business & Industry	IB CP or DP
	Animal Science	Principles of Agriculture	Livestock Production	Equine Sciences/Small Animal Management	Advanced Animal Sciences	OSHA 30	Business & Industry	IB CP or DP
	Plant Science	Principles of Agriculture	Floral Design	Landscape Design & Management / Turf Grass Management	Practicum Horticulture Science	TSFA Tx Floral Design L1	Business & Industry	IB CP or DP
<b>AUDIO VISUAL TECHNOLOGY &amp; COMMUNICATION</b>	Broadcast Journalism	Principles of Arts Audio Visual Technology & Communication	Audio Visual Production 1	Audio Visual Production 2	Digital Audio Technology	Adobe Certified Associate Premiere Pro	Business & Industry	IB CP or DP
	Print Journalism	Principles of Arts Audio Visual Technology & Communication	Graphic Design & Illustration 1	Graphic Design & Illustration 2	Commercial Photography 1	Adobe Certified Associate InDesign	Business & Industry	IB CP or DP
<b>BUSINESS ADMINISTRATION MAGNET PROGRAM</b>	Business Administration	Principles of Business, Marketing, & Finance	Business Information Management 1	Business Management	Practicum	Microsoft Office	Business & Industry	IB CP or DP
					Global Business/ Human Resource Management			
	Principles of Business, Marketing, & Finance	Business Information Management 1	DP Business	DP Business	Microsoft Office	Multidisciplinary	IB DP Only	
DP Economics			DP Economics	Microsoft Office	Multidisciplinary	IB DP Only		
<b>Health Science</b>	Exercise Science and Wellness	Principles of Exercise Science and Wellness	Kinesiology 1	Kinesiology 2	Practicum	Certified Personal Trainer	Public Service	IB CP or DP
<b>HOSPITALITY &amp; TOURISM</b>	Culinary Arts	Principles of Hospitality & Tourism	Introduction to Culinary Arts	Culinary Arts 2	Practicum Food Science	Serve Safe Manager	Business & Industry	IB CP or DP
	Hotel Management	Principles of Hospitality & Tourism	Hotel Management	Travel & Tourism Management	Hospitality Services	OSHA 30	Business & Industry	IB CP or DP
<b>HUMAN SERVICES</b>	Child Development	Principles of Human Services	Human Growth and Development	Child Development	Family and Community Services/Practicum	Child Development Associate	Public Service	IB CP or DP
<b>STEM</b>	Computer Science	AP Principles of Computer Science	PreIB Computer Science	DP Computer Science SL Yr 1	DP Computer Science SL Yr 2	Java	STEM	IB CP or DP
	Engineering	Principles of Applied Engineering	Engineering Design & Presentation	Engineering Science	Engineering Design & Presentation 2 Practicum	Auto Desk	STEM	IB CP or DP

Courses and Industry Certifications are subject to change based on State and District offerings and requirements.

Subject	IB Course Group	8th Grade	9th Grade	10th	11th	And/Or	12th
Fine Arts	DP Group 6				SL/HL Film	And	SL/HL Film
	DP Group 7				SL/HL Music	And	SL/HL Music
	DP Group 6		Theater Arts 1	Theater Arts 2	SL/HL Theater Yr 1	And	SL/HL Theater Yr 2
	MYP Arts *		Theater Arts 1	Theater Arts 2	Theater Arts 3	N/A	Theater Arts 4
	DP Group 6		Visual Art 1	Sculpture/3D Art 2 or Mixed Media 2D Art 2	Sculpture/3D Art 3 or Mixed Media 2D Art 3	And	SL Visual Art
	MYP Arts		Visual Art 1	Sculpture/3D Art 2 or Mixed Media 2D Art 2	Sculpture/3D Art 3 or Mixed Media 2D Art 3	N/A	Sculpture/3D Art 4 or Mixed Media 2D Art 4
	MYP Arts		Band 1	Band 2	Band 3	N/A	Band 4
			Jazz Band 1	Jazz Band 2	Jazz Band 3	N/A	Jazz Band 4
	MYP Arts		Choir 1	Choir 2	Choir 3	N/A	Choir 4
	DP Group 6		Dance 1	Rangerettes/ Adv Modern/ Adv Hip	SL/HL Dance Yr 1	And	SL/HL Dance Yr 2
	MYP Arts		Dance 1	Rangerettes/ Adv Modern/ Adv Hip	Rangerettes/ Adv Modern/ Adv Hip Hop	N/A	Rangerettes/ Adv Modern/ Adv Hip Hop
	MYP Arts		Orchestra 1	Orchestra 2	Orchestra 3	N/A	Orchestra 4
	MYP Arts		Guitar Multilevel	Guitar Multilevel	Guitar Multilevel		Guitar Multilevel
	MYP Arts		Piano 1	Piano 2	Piano 3		Piano 4

Fine Arts courses are not necessarily grade specific. i.e. 11th grader can take Year 1.  
 \*Theater Arts has several offerings. See course descriptions for more information.

Additional Electives include: Debate, Competitive Debate, and Color Guard. Academic Deans can assist with scheduling those courses.

All students are required to complete 1 credit of Physical Education. Athletics as well as other electives may satisfy this requirement. Academic Deans will assist with ensuring the correct credit is received.

IBDC = All PDP/IB Cores + 4 yrs LOTE + 3SL/HL IB Exams + TOK, CAS, & EE

IBCP = 2 PDP/IB Cores + 2 yrs LOTE + 2 IB Exams + PPS + Reflective Project

**Important Notes**

1. If you enroll in an IB course, you must pay for, and take, that IB Exam
2. Depending on which, if any, High School credit(s) you bring with you from middle school, you may need to attend Summer School between 9<sup>th</sup> and 10<sup>th</sup> grade.
3. If you do not earn credit for a course, you are required to recover that credit in Summer School before being promoted to the next grade level.
4. Students must earn credit for Algebra 1 before being promoted to the next math. Students must earn credit for Algebra 1, Algebra 2, and Geometry before being promoted to the 4<sup>th</sup> year of math.
5. Students may not double up in core subjects.