

Lehigh Senior High School

Cambridge Courses & Descriptions

IGCSE (Pre-AICE) Courses:

COURSE	DESCRIPTION
Pre-AICE English Language	This course prepares students for their ninth grade Writing/Reading FSAs and introduces them to the rigorous nature of Cambridge English classes. Students will continue to develop their critical reading and thinking skills, engage in meaningful discussions, and produce analytical, purposeful writing.
Pre-AICE English Literature	This course prepares students for their Writing/Reading FSA while also readying them for the rigor required for AICE Language and AICE Literature. It teaches students the importance of thesis, audience, and purpose as keys to both reading and writing effective essays. It also focuses on close, analytical reading of both informational texts and literature.
Pre-AICE Math 1	This course is an Algebra 1 course designed to help students fulfill their Florida graduation requirements.
Pre-AICE Math 2	This course is an advanced level geometry course. Students will follow many of the same standards covered in an Honors Geometry class. However, the curriculum is adapted to prepare them for further study in AICE level mathematics.
Pre-AICE Math 3	This course is designed to prepare students directly for study in AICE Mathematics, AS Level. The standards covered centre largely around algebra 2 content, but are supplemented with Trigonometry and Pre-Calculus.

Pre-AICE Biology	This is an intensive course designed to develop the Cambridge ways as well to prepare students for the biology EOC. It teaches students to think and use material rather than just memorize facts, knowledge with understanding. All tests are cumulative.
Pre-AICE Chemistry	This course is designed to broaden the horizons of students' investigative techniques of theories and ideas in chemistry in a way that is relevant and applicable. The combination of knowledge and skills in Cambridge IGCSE Chemistry gives learners a solid foundation for further study.
Pre AICE Spanish 1	This course enables students to begin to acquire proficiency in Spanish through a linguistic, communicative and cultural approach to language learning. Emphasis is placed on the development of listening, speaking, reading and writing skills and on the acquisition of the fundamentals of applied grammar.
Pre-AICE Spanish 2	This is an advanced class designed to continue developing proficiency in Spanish. The students have to communicate in the target language through speaking and writing and learn about the culture and civilisation of countries where the language is spoken.
Pre-AICE Spanish 3	This is an intensive course designed to improve the language skills. The students have to communicate more effectively in the target language. The learner should be able to speak and write about different topics, and continue studying the culture and civilisation of countries where the language is spoken. The learner will form a sound base of the skills, language and

	attitudes required for progression in the subject.
Pre AICE French 1	<p>Pre-AICE French Language I covers the first half of the International General Certificate of Secondary Education (IGCSE) Language (French) syllabus written and administered by the University of Cambridge International Examinations Program.</p> <p>The purpose of this course is to enable students to begin to acquire proficiency in French through a linguistic, communicative and cultural approach to language learning. Emphasis is placed on the development of listening, speaking, reading and writing skills and on the acquisition of the fundamentals of applied grammar.</p>
Pre-AICE French 2	In the Pre-AICE French 2 Language course students will continue to develop proficiency in French through a linguistic, communicative and cultural approach to language learning using listening, speaking, reading, and writing skills.
Pre-AICE French 3	In the Pre-AICE French 3 Language course students will continue to develop proficiency in French through a linguistic, communicative and cultural approach to language learning using listening, speaking, reading, and writing skills.

Group 1:

COURSE	DESCRIPTION
AICE Marine Science	AS and A Level Marine Science provides a coherent and stimulating introduction to the science of the marine environment. The content of the AS part of the course concentrates on the scientific study of the sea and its ecosystems, while the A Level part of the course concentrates on human activities that depend on the sea and have an impact on it.
AICE Mathematics1 AS	This is an AS Level mathematics course. Students will prepare for examinations on Paper 1 & Paper 2 (Pure Mathematics). A passing score on the exams will earn students 5 math credits at Florida public colleges and universities. Students will explore a wide range of topics building upon their previous studies in algebra, geometry, trigonometry, and then explore the applications of elementary calculus. Please see Cambridge syllabus 9709 for a full description of topics covered.
AICE Environmental Mgmt.*	The focus of this class is on environmental issues and their management at local, regional and global levels in less economically developed countries and developed countries. Issues such as global warming, industrial pollution, impacts of rapid population growth and urbanization are addressed as well as ways to try to balance our actions.
AICE Psychology AS*	This challenging, college-level course is intended to provide an introduction to psychological concepts, theories, research findings, and applications. Furthermore, it seeks to create an understanding of the range and limitations of psychological

	<p>theory and practice. These criteria encourages candidates to explore and understand the relationship between psychological findings and everyday life. It also emphasizes the development of analytical skills, interpretation, application, and evaluation. This promotes an appreciation and understanding of individual, social, and cultural diversity. Which will lead the student to develop an understanding of ethical issues in psychology, including the moral and ethical implications of psychological research. Such an exploration will create an understanding of the relationship between psychological findings and social, cultural, and contemporary issues.</p>
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Group 2:

COURSE	DESCRIPTION
AICE English Language	AICE English Language stresses the processes of reading and writing in order to assist students as they create college-level essays. The course emphasizes the importance of thesis, audience, and purpose as keys to both reading and writing effective essays. The course also emphasizes close, analytical reading of selected essays and longer works. Additionally, students will be instructed in rhetorical concepts in order to enhance both their reading and writing.
AICE French Language	In the AICE French Language course students will demonstrate proficiency in French through a linguistic, communicative and cultural approach to language learning using listening, speaking, reading, and writing skills.

AICE Spanish Language	AICE Spanish Language enables learners to achieve greater fluency, accuracy and confidence in the language as it is spoken and written, and improve their communication skills. The students will learn how to improve their use of Spanish in a variety of situations, understanding how to read texts, initiate conversations and respond to questions both orally and in writing.
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Group 3:

COURSE	DESCRIPTION
AICE Literature in English AS	The AICE Literature in English class is a college level English course focussed on the critical analysis of works of literature, including works of prose, poetry, and drama. While the course focuses primarily on works of English literature, there are some examples of American literature as well. This course is writing and reading intensive.
AICE Sociology	The aims of the Cambridge International AS Level Sociology are to develop knowledge and understanding of sociological concepts, theories, methods and research findings, as well as sociological principles, perspectives and applications that apply to the social world
AICE History (International)	AICE History is an AS level course which offers in-depth analysis of the history of various topics that include the 1st Industrial Revolution, French Revolution, The unification of Germany and Italy, The

	origins of WW1 and the Russian Revolution.
AICE History (US)	AICE History is an AS level course which offers an in-depth study of US History from the period of Manifest Destiny (1840s) through the Great Depression and the New Deal (1930s). Through the use of higher level texts and in-class discussion, students will further develop arguments, essay writing, and document analysis skills.
AICE Drama	AICE Drama provides opportunities for learners to develop their skills as theatrical practitioners, engaging with performance texts in practical and creative ways. It fosters engagement with, and enjoyment of, the study of a wide range of theatrical styles and genres. Through their study, learners will develop as skilled, well-informed, reflective practitioners, able to research ideas and create and interpret meaning through drama.
AICE Media Studies	AICE Media Studies is recognised by universities and employers as proof of knowledge and understanding of the media and its role in our daily lives. Learners develop a set of transferable skills, including the skill of thinking critically about mediated information, understanding its rhetorical qualities, and being aware of the significance of its conditions of production and reception.
AICE Digital Media & Design	AICE Digital Media & Design encourages independent creative expression and the development of a critical, reflective practice. The syllabus provides opportunities for learners to enrich their understanding of innovative uses of technology and to improve their skills in a wide range of contemporary techniques.
AICE Environmental Mgmt.*	See Group 1

AICE Psychology AS*	See Group 1
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Interdisciplinary and Skills-based:

COURSE	DESCRIPTION
AICE Thinking Skills A	AICE Thinking Skills develops a set of transferable skills. These include critical thinking, reasoning and problem solving. Learners can apply these skills across a wide range of subjects and complex real world issues. These transferable skills equip students well for progression to higher education or directly into employment.
AICE English General Paper	AICE English General Paper enables students to consider, write, and discuss contemporary topics within local and international contexts. Students should also draw upon knowledge and understanding gained from studying other subjects to do so. Through the study of these broad topic areas, students develop effective reading and writing skills. They work with, analyze, and evaluate information, ideas and opinions. In addition, students also learn how to build and present an argument through effective and concise writing.

Required coursework to earn diploma:

COURSE	DESCRIPTION
AICE Global Perspectives & Research	This college-level research writing course is intended to encourage candidates to think about and explore issues of global significance. It offers learners opportunities to acquire, develop, and apply skills in critical thinking, problem-solving, research, communication,

and collaboration. This course promotes the development within adolescents of global competency – the ability to define a global problem, reflect and take action. This syllabus is firmly based on skills rather than specific content. Through the study of a range of global issues, learners will explore different and sometimes opposing perspectives. Comprehending these perspectives will help to nurture a climate of cross-cultural awareness and promote cultural agility.