

## Options for Satisfying UC's "A-G" Subject Requirements for Freshman Applicants Applying for 2012-13

Requirement	UC-Approved High School Courses	SAT Examination	AP or IB Examination	College Courses
<b>"a"</b> <b>History/ Social Sciences</b>	<p>2 years required: Two years of history/social science, including:</p> <ul style="list-style-type: none"> <li>one year of world history, cultures and geography (may be a single year/long course or two one-semester courses), and</li> <li>one year of U.S. history or one-half year of U.S. history and one-half year of civics or American government</li> </ul>	<p>The following Subject Exam scores satisfy one year of the requirement: U.S. History Subject Exam: 550 World History Subject Exam: 540</p>	<p>U.S. History: Score of 3, 4 or 5 on the AP U.S. History Exam; Score of 5, 6 or 7 on the IB History of the Americas HL exam U.S. Government: Score of 3, 4 or 5 on the AP Government &amp; Politics Exam satisfies a half year. World History/Cultures/Geography: Score of 3, 4 or 5 on the AP Exam in European History, World History or Human Geography; Score of 5, 6 or 7 on the IB History HL or Geography HL exam</p>	<p>U.S. History/Civics/American Government: Grade of C or better in a transferable course of 3 or more semester (4 or more quarter) units in U.S. history, civics or American government World History/Cultures/Geography: Grade of C or better in a transferable course of 3 or more semester (4 or more quarter) units in world history, cultures and geography</p>
<b>"b"</b> <b>English</b>	<p>4 years required: Four years of college-preparatory English that include frequent writing, from brainstorming to final paper, as well as reading of classic and modern literature. No more than one year of ESL-type courses can be used to meet this requirement.</p>	<p>Reasoning Test Writing section: Score of 560 satisfies first three years; score of 680 satisfies entire four-year requirement. Literature Subject Exam: Score of 560 satisfies first three years.</p>	<p>Score of 3, 4 or 5 on the AP English Language and Composition or English Literature and Composition Exam satisfies four years. Score of 5, 6 or 7 on the IB Language A1 English HL exam satisfies four years.</p>	<p>For each year required through the 11th grade, a grade of C or better in a course of 3 or more semester (4 or more quarter) units in transferable or non-transferable English composition, literature (American or English) or foreign literature in translation. Courses used to clear the fourth year and/or the entire requirement must be <b>transferable</b>. Literature courses must include substantial work in composition.</p>
<b>"c"</b> <b>Mathematics</b>	<p>3 years required, 4 years recommended: Three years of college-preparatory mathematics that include the topics covered in elementary and advanced algebra and two- and three-dimensional geometry. Approved integrated math courses may be used to fulfill part or all of this requirement, as may math courses taken in the seventh and eighth grades if the high school accepts them as equivalent to its own courses.</p>	<p>The following Subject Exam scores satisfy the entire requirement: Mathematics Level 1 Subject Exam: Score of 570 satisfies entire requirement. (Note: This exam cannot be used to satisfy the Examination Requirement for admission.) Mathematics Level 2 Subject Exam: Score of 480 satisfies entire requirement.</p>	<p>Statistics: Score of 3, 4 or 5 on the AP Statistics Exam satisfies elementary and intermediate algebra; Calculus: Score of 3, 4 or 5 on the AP Calculus AB or Calculus BC Exam satisfies three years; Score of 5, 6 or 7 on the IB Mathematics HL exam satisfies three years.</p>	<p>Grade of C or better in a transferable mathematics course that has intermediate algebra as a prerequisite satisfies entire requirement, as does a nontransferable course of 3 semester (4 quarter) units in trigonometry. Freshman applicants cannot fulfill the entire requirement with statistics. One 3 semester (4 quarter) unit course in elementary algebra, geometry or intermediate algebra each satisfies one year of the requirement.</p>
<b>"d"</b> <b>Laboratory Science</b>	<p>2 years required, 3 years recommended: Two years of laboratory science providing fundamental knowledge in two of the following: biology, chemistry and physics. Approved engineering courses or the final two years of an approved three-year integrated science program that provides rigorous coverage of at least two of the three foundational subjects fulfill this requirement.</p>	<p>The following Subject Exam scores satisfy one year of the requirement: Biology (Ecological or Molecular): 540 Chemistry: 530 Physics (Electrical &amp; Magnetic/Mechanical): 530</p>	<p>Score of 3, 4 or 5 on any two AP Exams in Biology, Chemistry, Physics B or Physics C, and Environmental Science; Score of 5, 6 or 7 on any two IB HL exams in Biology, Chemistry or Physics</p>	<p>For each year of the requirement, a grade of C or better in a transferable course in biology, chemistry or physics with at least 30 hours of laboratory (not "demonstration")</p>

<p><b>“e” Language Other Than English</b></p>	<p><b>2 years required, 3 years recommended:</b> Two years of the same language other than English. Courses should emphasize speaking and understanding, and include instruction in grammar, vocabulary, reading, composition and culture. American Sign Language and classical languages, such as Latin and Greek, are acceptable.</p>	<p>The following Subject Exam scores satisfy the entire requirement: Chinese With Listening: 520 French/French With Listening: 540 German/German With Listening: 510 Modern Hebrew: 470 Italian: 520 Japanese With Listening: 510 Korean With Listening: 500 Latin: 530 Spanish/Spanish With Listening /Spanish Language &amp; Cultures: 520</p>	<p>Score of 3, 4 or 5 on the AP Language &amp; Cultures Exam in Chinese, French, German, Italian, Japanese, or Spanish Language, Literature, or Language &amp; Cultures, or Latin; Score of 5, 6 or 7 on an IB Language A2 HL exam</p>	<p>Grade of C or better in any transferable course(s) (excluding conversation) held by the college to be equivalent to two years of high school language. Many colleges list the prerequisites for their second course in language as “Language 1 at this college or two years of high school language.” In this case, Language 1 clears both years of the requirement.</p>
<p><b>“f” Visual and Performing Arts</b></p>	<p><b>1 year required:</b> One yearlong course of visual and performing arts chosen from the following: dance, drama/theater, music or visual art</p>		<p>Score of 3, 4 or 5 on the AP Art History, Studio Art (2-D, 3-D, or Drawing) or Music Theory Exam; Score of 5, 6 or 7 on any one IB HL exam in Dance, Film, Music, Theatre Arts or Visual Arts</p>	<p>Grade of C or better in any transferable course of 3 semester (4 quarter) units that clearly falls within one of four visual/performing arts disciplines: dance, drama/theater, music or visual art</p>
<p><b>“g” College- Preparatory Elective</b></p>	<p><b>1 year required:</b> One year (two semesters), in addition to those required in “a-f” above, chosen from the following areas: engineering technology, visual and performing arts (non-introductory-level courses), history, social science, English, advanced mathematics, laboratory science and language other than English (a third year in the language used for the “e” requirement or two years of another language)</p>	<p>The following Subject Exam scores satisfy the entire requirement: U.S. History: 550 World History: 540 Literature: 560 Mathematics Level 2: 520 Science (other than taken for “d” requirement): Same tests and scores as listed above under “d” Language Other Than English, third year: Chinese With Listening: 570 French/French With Listening: 590 German/German With Listening: 570 Modern Hebrew: 500 Italian: 570 Japanese With Listening: 570 Korean With Listening: 550 Latin: 580 Spanish/Spanish With Listening: 570 A second Language Other Than English: Same tests and scores as listed under “e”</p>	<p>Score of 3, 4 or 5 on any one AP Exam in Computer Science A, Computer Science AB*, Microeconomics, Macroeconomics, Human Geography, Psychology, U.S. Government or Comparative Government satisfies one year; Score of 5, 6 or 7 on any one IB HL exam in Economics, Philosophy, Psychology, Social and Cultural Anthropology, or Computer Science satisfies one year  * Computer Science AB Exam is no longer offered.</p>	<p>Grade of C or better in one transferable course beyond those listed above as clearing any of the “a-f” requirements; or a transferable course having as prerequisite the equivalent of two high school years in a second language; or a transferable course equivalent to those that clear the “c,” “d” or “e” requirement; or a transferable course of 3 or more semester (4 or more quarter) units in history, social science, or visual and performing arts</p>