

**BSA General Education (Gen Ed) Requirements****129 units (minimum)****Technical Breadth Requirements****51 units****Mathematics****20 units**

- 21-120 Differential and Integral Calculus 10  
 21-122 Integration and Approximation 10  
 or 21-124 Calculus II for Biologists and Chemists

**Science****31 units**

- 03-121 Modern Biology 9  
 09-105 Introduction to Modern Chemistry I 10  
 33-121 Physics I for Science Students 12  
 or 33-141 Physics I for Engineering Students  
 or 33-151 Matter & Interactions I

**Nontechnical Breadth Requirements****42 units****First-year Courses****12 units**

- 76-101 Interpretation and Argument (First-year) 9  
 or 76-102 Advanced First Year Writing: Special Topics (invite only)  
 or choose two mini courses from the following list:  
 76-106 Writing about Literature, Art and Culture 4.5  
 76-107 Writing about Data 4.5  
 76-108 Writing about Public Problems 4.5  
 99-101B Core@CMU (Fall, First-year) 3

**ENGAGE****3 units**

Choose three courses:

- 38-110 ENGAGE in Service 1  
 38-230 ENGAGE in Wellness: Looking Inward 1  
 38-330 ENGAGE in Wellness: Looking Outward 1  
 38-430 ENGAGE in Wellness: Looking Forward 1

**Humanities and Social Sciences****18 units**

To fulfill this requirement, students must complete a minimum of two (2) nontechnical courses totaling at least 18 units in the Tepper School of Business and/or the Dietrich College of Humanities and Social Sciences. Courses counted toward the Cultural/Global Understanding requirement, and 76-101, do not count toward this requirement.

Check the MCS web site for courses from DC and Tepper that may NOT be used to satisfy this requirement because they are too technical in nature, plus a list of courses in other colleges (including SCS, CIT, Tepper, and Heinz College) that do satisfy this requirement.

<http://www.cmu.edu/mcs/undergrad/advising/hss-finearts/deletions.html>

<http://www.cmu.edu/mcs/undergrad/advising/hss-finearts/additions.html>

**Cultural/Global Understanding****9 units**

- 57-173 Survey of Western Music History 9  
 57-306 World Music 9  
 70-342 Managing Across Cultures 9  
 76-217 Literature & Culture of the 20<sup>th</sup> and 21<sup>st</sup> Century 9  
 76-221 Books You Should Have Read By Now 9  
 76-232 Introduction to Black Literature 9  
 76-239 Introduction to Film Studies 9  
 76-241 Introduction to Gender Studies 9

- 76-386 Language & Culture 9  
 79-145 Genocide and Weapons of Mass Destruction 9  
 79-189 History of Democracy: Thinking Beyond the Self 9  
 79-201 Introduction to Anthropology 9  
 79-202 Flesh and Spirit: Early Modern Europe, 1400-1750 9  
 79-205 20<sup>th</sup> Century Europe 9  
 79-208 Witchcraft and Witch-Hunting 9  
 79-211 Modern Southeast Asia: Colonialism, Capitalism, and Cultural Exchange 9  
 79-223 Mexico: From the Aztec Empire to the Drug War 9  
 79-227 Modern Africa: The Slave Trade to the End of Apartheid 9  
 79-229 The Origins of the Palestinian-Israeli Conflict, 1880-1948 9  
 79-230 The Arab-Israeli Conflict and Peace Process Through 1948 to Present 9  
 79-232 Arabian Peninsula Environmental History 9  
 79-234 Technology and Society 9  
 79-240 Development of American Culture 9  
 79-242 African American History: Reconstruction to the Present 9  
 79-244 Women in American History 9  
 79-245 Capitalism and Individualism in American Culture 9  
 79-250 Voting Rights: An Introduction 9  
 79-255 Modern Ireland: Politics and Culture from the Famine (1847) to Today 9  
 79-257 Germany and the Second World War 9  
 79-261 The Last Emperors: Chinese History and Society, 1600-1900 9  
 79-262 Modern China: From the Birth of Mao ... to Now 9  
 79-263 Mao and the Chinese Cultural Revolution 9  
 79-264 Tibet and China: History and Propaganda 9  
 79-265 Russian History: Game of Thrones 9  
 79-266 Russian History and Revolutionary Socialism 9  
 79-267 The Soviet Union in World War II: Military, Political, and Social History 9  
 79-275 Introduction to Global Studies 9  
 79-280 Coffee and Capitalism 9  
 79-283 Hungry World: Food and Famine in Global Perspective 9  
 79-328 Photographers and Photography Since World War II 9  
 79-343 Education, Democracy, and Civil Rights 9  
 79-345 Roots of Rock & Roll 9  
 79-350 Early Christianity 9  
 79-377 Food, Culture, and Power: A History of Eating 9  
 80-100 Introduction to Philosophy 9  
 80-101 Dangerous Ideas in Science and Society 9  
 80-250 Ancient Philosophy 9  
 80-251 Modern Philosophy 9  
 80-253 Continental Philosophy 9  
 80-254 Analytic Philosophy 9  
 80-255 Pragmatism: Making Ideas Work 9  
 80-276 Philosophy of Religion 9  
 82-xxx Any Languages, Cultures, and Applied Linguistics course 9  
 84-380 US Grand Strategy 9  
 85-350 Psychology of Prejudice 9  
 85-352 Evolutionary Psychology 9

**BXA Required Courses****36 units**

- 52-190 BXA Sem. I: Building the Wunderkammer (Spring Mini-3, First-year) 4.5  
 52-291 BXA Sem. II: Transferring Knowledge (Spring Mini-4, Sophomore) 4.5  
 52-392 BXA Sem. III: Deconstructing Disciplines (Spring Junior) 9  
 52-401 BXA Sem. IV: Capstone Project Research (Fall, Senior) 9  
 52-402 BXA Sem. V: Capstone Project Production (Spring, Senior) 9

**BSA Free Electives****0-29 units (minimum)**

Take any Carnegie Mellon course. A maximum of 9 units of physical education and/or military science may be counted toward this requirement.