

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

21-120 Differential and Integral Calculus (prereq: 21-090) 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**

09-227 The Culture of Color: Dyes, Chemistry, and Sustainability 9

57-173 Survey of Western Music History 9

57-306 World Music 9

70-100 Global Business 9

70-342 Managing Across Cultures 9

76-221 Books You Should Have Read By Now 9

76-239 Introduction to Film Studies 9

76-241 Introduction to Gender Studies 9

76-386 Language & Culture 9

79-112 Introduction to Asian American History 9

79-145 Genocide and Weapons of Mass Destruction 9

79-160 Introduction to the History of Science 9

79-170 Introduction to Science, Technology, and Society 9

79-175 Moneyball Nation: Data in American Life 9

79-189 Democracy and History: Thinking Beyond the Self 9

79-201 Introduction to Anthropology 9

79-202 Flesh and Spirit: Early Modern Europe, 1400-1750 9

79-203 The Other Europe: The Habsburgs, Communism, & Central/Eastern Europe, 1740-1990 9

79-205 20th Century Europe 9

79-208 Witchcraft and Witch-Hunting 9

79-211 Modern Southeast Asia: Colonialism, Capitalism, and Cultural Exchange 9

79-220 Screening Mexico: Mexican Cinema, 1898 to Present 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

79-237 Comparative Slavery 9

79-240 Development of American Culture 9

79-242 African American History: Reconstruction to the Present 9

79-245 Capitalism and Individualism in American Culture 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

79-264 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

79-268 World War I: The Twentieth Century's First Catastrophe 9

79-275 Introduction to Global Studies 9

79-278 How (Not) to Change the World 9

79-280 Coffee and Capitalism 9

79-281 Introduction to Religion 9

79-283 Hungry World: Food and Famine in Global Perspective 9

79-343 Education, Democracy, and Civil Rights 9

79-345 Roots of Rock & Roll 9

79-346 U.S. Political Films and Satire 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

80-130 Introduction to Ethics 9

80-180 Introduction to Linguistics 9

80-246 Moral Psychology 9

80-250 Ancient Philosophy 9

80-251 Modern Philosophy 9

80-252 Kant 9

80-253 Continental Philosophy 9

80-254 The History of Analytic Philosophy and Its Influence 9

80-255 Pragmatism: Clear Ideas for a Better Life 9

80-271 Mind and Body: The Objective and the Subjective 9

80-276 Philosophy of Religion 9

82-xxx Any Languages, Cultures, and Applied Linguistics course 9

84-226 International Relations 9

84-275 Comparative Politics 9

84-306 Latin American Politics 9

84-319 Civil-Military Relations 9

84-322 Nonviolent Conflict and Revolution 9

84-323 War and Peace in the Contemporary Middle East 9

84-324 The Future of Democracy 9

84-325 Contemporary American Foreign Policy 9

84-328 Military Strategy and Doctrine 9

84-362 Diplomacy and Statecraft 9

84-365 The Politics of Fake News and Misinformation 9

84-370	Nuclear Security & Arms Control	9
84-372	Space and National Security	9
84-373	International Law	9
84-380	US Grand Strategy	9
84-387	Remote Systems and the Cyber Domain in Conflict	9
84-389	Terrorism and Insurgency	9
84-390	Social Media, Technology, and Conflict	9
84-405	The Future of Warfare	9
85-350	Research Methods in Social Psychology	9
85-352	Evolutionary Psychology	9
88-221	Markets, Democracy, and Public Policy	9
88-234	Negotiation: International Focus	9

<u>BXA Required Courses</u>		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.