

General Education Requirements for Students in the Mellon College of Science

In an increasingly complex world, it is important that students have a sound general education program that emphasizes mathematical reasoning, scientific process and humanistic thought. Our students will gain the essential knowledge necessary for decision-making in a variety of academic disciplines. Our general education curriculum encourages them to connect various subjects and to think comparatively about the methods and materials that constitute a field of knowledge.

All candidates for the bachelor's degree from the Mellon College of Science must complete a 15 course general education core. Students can petition the Associate Dean for Undergraduate Affairs for substitutions in Categories 2, 4 and 5.

<p>1. Interpretation and Communication (complete 1 course)</p>	<p>76-101 Interpretation & Argument OR 82-085 Reading & Writing in a Multi-Cultural Setting¹ ¹Special permission - intended for students who speak English as a second language</p>
<p>2. Societies and Cultures (complete 1 course)</p>	<p>66-250 Introduction to Religion 70-342 Managing Across Cultures 76-221 Books You Should Have Read by Now 76-230 19th-Century American Literature and Culture 76-231 20th Century American Literature and Culture 76-232 African-American Studies 76-233 Post Colonial Literature 76-235 British Literature and Culture Before 1800 76-236 19th Century British Literature and Culture 76-241 Introduction to Gender Studies 76-246 British and American Literature and Culture 79-104 Introduction to World History 79-113 Culture and Identity in American Society 79-201 Introduction to Anthropology 79-204 Twentieth Century America 79-206 Development of American Culture 79-207 Development of European Culture 79-209 Theory and Practice in Anthropology 79-218 The Roots of Rock & Roll 79-241 African-American History I 79-242 African-American History II 79-260 Mayan America 79-270 Chinese Culture and Society 79-271 Modern China 79-272 Modern Japan 79-280 Russian History from the First to the last Tsar 79-281 Modern Soviet History 79-356 Introduction to African History 79-384 Medicine and Society</p>

<p>3. Discovery and Analysis (complete 7 courses)</p>	<p>21-120 Differential and Integral Calculus 21-122 Integration, Differential Equations and Approximation 03-121 Modern Biology 09-105 Introduction to Modern Chemistry I 33-111 Physics for Science Students I 33-112 Physics for Science Students II 15-100 Introductory/Intermediate Programming</p>
<p>4. Decisions and Values (complete 1 course)</p>	<p>66-184 Topics in Law: The Bill of Rights 70-332 Business and Society 73-100 Economic Principles 79-219 The Holocaust in Historical Perspective 79-222 Religion in American Society 79-223 Protest and Dissent in American History 79-331 Crime and Punishment 79-337 Educational Policy in Historical Perspective 79-335 Drug Use and Drug Policy 79-345 American Environmental History: Critical Issues 79-348 Objects of Value 79-350 Theories of International Relations 79-386 The Global Environment: Historical Perspectives and Policy Dilemmas 79-440 The Rise of Industrial Research and Development 80-100 What Philosophy Is 80-130 Introduction to Ethics 80-135 Introduction to Political Philosophy 80-136 Ethics and Public Policy 80-150 Nature of Reason 80-201 Epistemology 80-221 Philosophy of Social Science 80-230 Ethical Theory 80-235 Political Philosophy 80-236 Philosophy and the Law 80-241 Ethical Judgments in Professional Life 80-242 Conflict, Dispute Resolution 80-243 Business Ethics 80-245 Medical Ethics 80-250 Ancient Philosophy 80-251 Modern Philosophy 80-255 Pragmatism 80-270 Philosophy of Mind 80-271 Philosophy and Psychology 80-340 Environmental Ethics and Decision Processes 80-341 Computers, Society, and Ethics 85-100 Introduction to Intelligence in Humans, Animals and Machines 85-102 Introduction to Psychology 85-211 Cognitive Psychology 85-213 Human Information Processing and Artificial Intelligence 85-221 Principles of Child Development</p>

	85-241 Social Psychology 85-251 Personality 85-261 Abnormal Psychology 88-104 Decision Processes in American Political Institutions 88-120 Reason, Passion, and Cognition
5. Liberal Studies Electives (45 units)	<p>Complete a minimum of five courses, totaling at least 45 units, from H&SS, CFA, the Business Administration, or the Heinz School. In this category, you have the freedom to design how you want to structure your remaining general education requirements. For example you can use these electives to build a depth sequence of 2-5 courses in a particular area or you can take courses from different areas or some combination of each.</p> <p>Note: Some of the courses taught in these areas are considered technical courses and may not be used to satisfy this requirement.</p> <p>The courses that ARE NOT accepted for H&SS are:</p> <p>Statistics: All courses (36-xxx).</p> <p>Economics 73-260 Econometrics I 73-360 Econometrics II</p> <p>Philosophy 80-210 Introduction to Formal Logic 80-211 Arguments and Inquiry 80-310 Logic and Computability I 80-311 Computability and Incompleteness 80-312 Probability and Artificial Intelligence 80-410 Goedel and Undecidability</p> <p>Psychology 85-111 LISP-lab for 85-213 85-213 Information Processing Psychology & AI 85-219 Biological Foundations of Behavior</p> <p>Social and Decision Sciences 88-211 Introduction to Cobol Programming 88-250 Regression Methods in Social Sciences</p> <p>90-846 Advanced Topics in Ethics 90-847 Gender and Language in Management</p> <p>Courses that ARE accepted from Business Administration are: 70-160 Introduction to Graphic Communications I 70-311 Organizational Behavior I 70-312 Organizational Behavior II</p>

70-313 Organizational Power and Politics
70-332 Business and Society
70-335 Business and Labor
70-340 Business Communications
70-342 Managing Across Cultures
70-343 Interpersonal Communications
70-345 Oral Communications
70-361 Foundations of Law
70-363 Law in Modern American Society
70-365 International Trade and International Law
70-430 International Management

Courses that ARE accepted from the Heinz School are:

90-650 Introduction to Health Care Management
90-712 Public Policy Issues
90-717 Professional Writing
90-718 Professional Speaking
90-733 Urban Development
90-762 Financing Economic Development
90-765 Historical Perspectives on the City
90-767 Politics of Economic Development
90-778 Media and Public Policy
90-799 Negotiation
90-810 Leadership: Innovation and Organizational Change
90-818 Strategic Marketing and Communications
90-820 Strategic Planning
90-821 U.S. Labor Relations
90-828 Ethical Issues in Management
90-841 Management Strategies in a Global Context