Suggested Sequence of Jumpstart to College Courses

Completion of these ***suggested*** courses is designed to help students fulfill some of the common core requirements for a majority of majors within the University System of Maryland. Students are encouraged to research course and degree requirements at colleges or universities of interest. Transferability of courses is the discretion of the receiving institution. Courses MAY be used for college credit and MCPS high school graduation credit unless high school credit is refused at the time of enrollment in the course.

Area of Interest	Semester	College Credit	Course
HUMANITIES Supports majors in Communications, Conflict Analysis, English, Environmental Science, History, Philosophy, Political Science, Psychology, Sociology	**Fall Semester (11th Grade)**	3	ENGL 101 - Introduction to College Writing or ENGL101/011
		Varies	See list of approved courses providing MCPS Math Credit HERE
	Spring Semester (11th Grade)	3	HIST 117 - World History: A Comparative Survey from A.D. 1500 to the Present OR PSYC 100 - General Psychology OR PHIL 101 - Introduction to Philosophy OR ARTD Course
		3	BIOL105 – Environmental Biology
	Fall Semester (12th Grade)	3	ENGL 102 - Critical Reading, Writing, and Research OR ENGL 103 - Critical Reading, Writing, and Research in the Work Place
		Varies	See list of approved courses providing MCPS Math Credit HERE
	Spring Semester (12th Grade)	3	HIST 117 - World History: A Comparative Survey from A.D. 1500 to the Present OR PSYC 100 - General Psychology OR PHIL 101 - Introduction to Philosophy OR ARTD Course
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STEM: BIOLOGICAL CAREERS Supports majors in Biology, Environmental Science	**Fall Semester (11th Grade)**	3	ENGL 101 - Introduction to College Writing or ENGL101/011
		Varies	See list of approved courses providing MCPS Math Credit HERE; MATH165 -Precalculus and MATH181 – Calculus I recommended

	Spring Semester (11th Grade)	3	HIST 117 - World History: A Comparative Survey from A.D. 1500 to the Present OR PSYC100 – General Psychology
		3	CHEM131 – Principles of Chemistry I OR BIOL150 – Principles of Biology I
	Fall Semester (12th Grade)	3	ENGL 102 - Critical Reading, Writing, and Research OR ENGL 103 - Critical Reading, Writing, and Research in the Work Place
		Varies	See list of approved courses providing MCPS Math Credit HERE; MATH165 -Precalculus and MATH181 – Calculus I recommended
	Spring Semester 2 (12th Grade)	3	HIST 117 - World History: A Comparative Survey from A.D. 1500 to the Present OR PSYC100 – General Psychology
		4	CHEM131 – Principles of Chemistry I OR BIOL150 – Principles of Biology I
STEM: PHYSICAL SCIENCE (PRE-ENGINEERING) Supports majors in Chemistry, Earth Science, Mathematics, Physics, Engineering	**Fall Semester 1 (11th Grade)**	3	ENGL 101 - Introduction to College Writing or ENGL101/011
		Varies	See list of approved courses providing MCPS Math Credit HERE; MATH181 – Calculus I and MATH182 – Calculus II recommended
	Spring Semester 1 (11th Grade)	3	HIST 117 - World History: A Comparative Survey from A.D. 1500 to the Present OR PSYC100 – General Psychology
		4	CHEM131 – Principles of Chemistry I OR PHYS161 – General Physics I: Mechanics and Heat
	Fall Semester 2 (12th Grade)	3	ENGL 102 - Critical Reading, Writing, and Research OR ENGL 103 - Critical Reading, Writing, and Research in the Work Place
		4	See list of approved courses providing MCPS Math Credit HERE; MATH181 – Calculus I and MATH182 – Calculus II recommended
	Spring Semester 2 (12th Grade)	4	CHEM131 – Principles of Chemistry I OR PHYS161 – General Physics I: Mechanics and Heat
		3	HIST 117 - World History: A Comparative Survey from A.D. 1500 to the Present OR PSYC100 – General Psychology

Business	**Fall Semester 1 (11th Grade)**	3	ENGL 101 - Introduction to College Writing or ENGL101/011
		Varies	See list of approved courses providing MCPS Math Credit HERE; MATH150 – Elementary Applied Calculus I and BSAD210 – Statistics for Business and Economics recommended
	Spring Semester 1 (11th Grade)	3	HIST 117 - World History: A Comparative Survey from A.D. 1500 to the Present OR BSAD101 – Introduction to Business OR ECON201 – Principles of Economics I
		4	BIOL105 – Environmental Biology
	Fall Semester 2 (12th Grade)	3	ENGL 102 - Critical Reading, Writing, and Research OR ENGL 103 - Critical Reading, Writing, and Research in the Work Place
		4	See list of approved courses providing MCPS Math Credit HERE; MATH150 – Elementary Applied Calculus I and BSAD210 – Statistics for Business and Economics recommended
	Spring Semester 2 (12th Grade)	3	HIST 117 - World History: A Comparative Survey from A.D. 1500 to the Present OR BSAD101 – Introduction to Business OR ECON201 – Principles of Economics I
		3	HIST 117 - World History: A Comparative Survey from A.D. 1500 to the Present OR BSAD101 – Introduction to Business OR ECON201 – Principles of Economics I
Information Technology Supports Computer Science and related areas of study	**Fall Semester 1 (11th Grade)**	3	ENGL 101 - Introduction to College Writing or ENGL101/011
		Varies	See list of approved courses providing MCPS Math Credit HERE; MATH165 -Precalculus and MATH181 – Calculus I recommended
	Spring Semester 1 (11th Grade)	3	HIST 117 - World History: A Comparative Survey from A.D. 1500 to the Present OR PSYC100 – General Psychology OR CMSC140 – Introduction to Programming OR CMSC203 – Computer Science I
		4	BIOL105 – Environmental Biology
	Fall Semester 2 (12th Grade)	3	ENGL 102 - Critical Reading, Writing, and Research OR ENGL 103 - Critical Reading, Writing, and Research in the Work Place

		4	See list of approved courses providing MCPS Math Credit HERE; MATH165 -Precalculus and MATH181 – Calculus I recommended
	Spring Semester 2 (12th Grade)	3	HIST 117 - World History: A Comparative Survey from A.D. 1500 to the Present OR PSYC100 – General Psychology OR CMSC140 – Introduction to Programming OR CMSC203 – Computer Science I
		3	HIST 117 - World History: A Comparative Survey from A.D. 1500 to the Present OR PSYC100 – General Psychology OR CMSC140 – Introduction to Programming OR CMSC203 – Computer Science I

Jumpstart to College Pathway to Montgomery College Certificate

- **Completion of required courses for each leads to completion of your MC Certificate**

Certificate	Total Classes Needed	Total Credits Earned
Cartography and Geographic Information Systems Certificate	7	21
IT Professional+ Certificate	5	16
Cloud Computing and System Administrator Certificate	6	19
Computer Programming Certificate	6	18-20
Women's and Gender Studies Certificate	4	12

Jumpstart to College Pathway of Interest

- **Completion of these courses are designed to help students fulfill core requirements for some degree programs or simply peak your interests in the specific subject area.**

Area of Study	Suggested Number of Classes	Objective	Suggested Classes
Anthropology	4	Fulfill social science requirements for the general studies social sciences, administration, and health (SSAH) core and social science distribution requirements for the General Education Program.	• ANTH 201 - Introduction to Sociocultural Anthropology • ANTH 215 - Human Evolution and Archaeology • ANTH 240 - Introduction to Archaeology • ANTH 256 - World Cultures
Astronomy	2	Take an astronomy course at Montgomery College and gain an appreciation of the Earth's relationship to the universe. Our top-ranked observatory and planetarium are used as part of the astronomy course curriculum, and for student research.	• ASTR 101 - Introductory Astronomy • ASTR 202 - Introduction to Modern Astronomy
Communication Studies	4	Communication studies will provide you with a strong liberal arts foundation that facilitates a seamless transfer to communication programs at four-year institutions.	• COMM 108 - Foundations of Human Communication • COMM 121-Public Speaking • COMM 204-Interpersonal Communication • COMM 250 - Introduction to Communication Inquiry and Theory
Economics	3	Economics is the study of how individuals, businesses, and societies use limited resources to achieve their goals. Economics can help students make decisions and assess public policy issues throughout their lives.	• ECON 105 - Basic Economics • ECON 201 - Principles of Economics I • ECON 202 - Principles of Economics II
English	Varies	Whatever your choice of major or career, the essential skills for success include the abilities to read and write effectively and to think analytically, creatively, and critically. MC will help you build and enhance those skills, as well as to explore the human experience by examining the ideas and values revealed in diverse literary traditions.	• ENGL 101 - Introduction to College Writing • ENGL 102 - Critical Reading, Writing, and Research • ENGL 103 - Critical Reading, Writing, and Research in the Work Place • ENGL 190 - Introduction to Literature

World Languages		Learning a new language can open doors—to your next career, to a previously unknown part of your community, and to the world. Montgomery College's world languages program gives students the skills they need to succeed in an increasingly globalized world.	• ASLP 100 - ASL I • ARAB 101 - Elementary Arabic I • ITAL 101 - Elementary Italian I • World Languages Discipline Option-Academic Map
History	Varies	Many of the history courses we teach at MC can be used by students to satisfy the humanities distribution requirements (HUMD). Some courses can also be used to fulfill the general education global and cultural perspective requirement (M). For General Studies majors, history courses can be placed in either the HACL or SSAH cores.	• HIST 112 - Women in World History • HIST 117 - World History: A Comparative Survey from A.D. 1500 to the Present • HIST 225 - History of Maryland • HIST 252 - The United States and 20th Century World Affairs
Nutrition	3	Nutrition courses are offered under the hospitality management curriculum, which is designed to provide a theoretical and practical approach to management in the hospitality industry.	• NUTR 101 - Introduction to Nutrition • NUTR 202 - Nutrition Through the Life Cycle • NUTR 212 - Food Science and Technology
Philosophy	Varies	MC does not offer a degree or certificate in philosophy, though the courses fulfill humanities requirements for the General Studies Humanities, Arts, Communication and Languages Core (HACL) and humanities distribution requirements for the General Education Program. Fun fact: Philosophy majors perform better than other majors on exams such as the LSAT, GMAT, and GRE. Some business leaders think that a philosophy degree will be the indispensable degree for the 21st Century!	• PHIL 101 - Introduction to Philosophy • PHIL 140 - Introduction to the Study of Ethics • PHIL 143 - Introduction to the Study of Religion • PHIL 190 - Elementary Logic and Semantics • PHIL 201 - Morality and Contemporary Law • PHIL 205 - Philosophy in Literature • PHIL 212 - Women in Philosophy I • PHIL 218 - Women in Philosophy II • PHIL 222 - Asian Thought
Political Science	Varies	In political science, you learn about how governments work and how to use, reform, and challenge the system to address problems in your life and your community. MC does not offer a degree or certificate specifically in political science. If you are interested in studying politics, you can pursue the general studies degree program, specifically the social sciences, administration, and health (SSAH) core, or the International Studies degree program. Although this will differ on a case-by-case basis, students interested in subfields like American Government or Political Theory should consider the General Studies SSAH	• POLI 101 - American Government • POLI 105 - Introduction to Political Science • POLI 203 - International Relations • POLI 205 - Introduction to Human Rights • POLI 206 - Political Ideologies • POLI 211 - Comparative Politics and Governments • POLI 221 - Western Political Thought • POLI 230 - Introduction to International Conflict Resolution • POLI 242 - State and Local Government • POLI 252 - Race and Ethnicity in U.S. Politics

		core curriculum, and students interested in subfields like International Relations or Comparative Politics should consider the International Studies curriculum.	• POLI 256 - Politics of the Developing World • POLI 270 - Politics in Action
Psychology	Varies	Psychology, the science of behavior and mental life, is an exciting field with many opportunities. MC does not offer a degree or certificate in psychology. Students that are interested in studying psychology pursue the General Studies degree program, specifically the Social Sciences, Administration, and Health (SSAH) Core.	• PSYC 100 - General Psychology • PSYC 202 - The Science and Profession of Psychology • PSYC 203 - Human Growth and Development During the Life Span • Psychology Discipline Option-Academic Map
Sociology	Varies	Sociology is a social science that explores the patterns of human interaction and the relationship of humans to societal institutions like family, mass media and the economy. It is a science that focuses on the connections between individual and group life. MC does not offer a degree or certificate in sociology, though the courses fulfill social science requirements for the General Studies Social Sciences, Administration, and Health Core (SSAH) and social science distribution requirements for the General Education Program.	• SOCY 100 - Introduction to Sociology • SOCY 105 - Social Problems and Issues • SOCY 208 - Sociology of Gender • SOCY 214 - Sociology of the Family • SOCY 233 - Race and Ethnic Relations • SOCY 240 - Sociology of Age and Aging • SOCY 243 - The Sociology of Sport • SOCY 250 - Globalization Issues