

PROGRAM FOR LIBERAL ARTS AND SCIENCES

DEGREE CHECKLIST FOR ASSOCIATE IN SCIENCE IN LIBERAL ARTS AND SCIENCES

ASSOCIATE DEGREE

GENERAL EDUCATION REQUIRED AND FLEXIBLE COMMON CORE (30 TO 37 CREDITS)

At least 1 course designated WI is required in the GenEd Flexible Common Core.

COURSE	COURSE TITLE	PRE/CO REQUISITES	CREDITS
ENG 1101	English Composition I (EC)	Prereq: CUNY Read and Write Proficiency	3 credits.
ENG 1121	English Composition II (EC)	Prereq: ENG 1101	3 credits.
	Math and Quantitative Reasoning (Recommended MAT 1275, 1375, 1475 1575)		3 to 4 credits.
	Life and Physical Sciences (Recommended BIO 1101, 2311, CHEM 1110, PHYS 1117, 1433, 1441)		3 to 5 credits.
	*World Cultures and Global Issues		3 credits.
	*US Experience in its Diversity		3 credits.
	*Individual in Society		3 credits.
	*Creative Expression		3 credits.
	*Scientific World (Recommended BIO 1201, 2311, 2312, 3302, 3350, CHEM 1210, PHYS 1118, 1434, 1442)		3 to 5 credits.
	*Additional Flexible Common Core Course: WCGI, USED, IS, CE, SW		3 to 5 credits.

PROGRAM-SPECIFIC DEGREE REQUIREMENTS (19 TO 25 CREDITS)

*CS = Computer Science

¹See program director for Course Sub and free electives.

At least 1 course designated WI is required in the program-specific courses and free electives.

	Science Sequence Course I		4 to 5 credits.
	Science Sequence Course II		4 to 5 credits.
MAT 1475	Calculus I or higher	Prereq: MAT 1375 or Placement	4 credits.
MAT 1575	Calculus II (Recommended for CHEM, CS*, ECON, MAT, PHYS Degrees)	Prereq: MAT 1475 or Placement	4 to 6 credits.
MAT 1372 w/	Statistics with Probability w/ (Recommended for BIO, CS*, ECON, MAT, PSY Degrees)	Prereq or Coreq: MAT 1375	
MAT 1476L or	Calculus Lab or	Coreq: MAT 1475 or 1575	
CST 1101 ¹ or	Problem Solving with Computer Programming ¹ or	Prereq: CUNY Proficiency	
MAT 1630 ¹	Introduction to Computational Science ¹	Prereq or Coreq: MAT 1475	
	Capstone	See Capstone List	3 to 5 credits.

FREE ELECTIVE COURSES (0 TO 11 CREDITS)

Take as needed to reach 60 credits

	Free Elective(s)/ECA = same credits (All Classes Accepted)		
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ASSOCIATE IN ARTS IN LIBERAL ARTS AND SCIENCES: 60 CREDITS.

Science Sequence

In addition to the LPS and SW requirements, a Science Sequence Courses I / II is required for the degree and may be selected from the list below:

BIO 1101	Biology I	4 credits.	CHEM 1110	General Chemistry I	4 credits.	PHYS 1117	Astronomy I	4 credits.
BIO 1201	Biology II	4 credits.	CHEM 1210	General Chemistry II	4 credits.	PHYS 1118	Astronomy II: Stars, Galaxies, Cosmology	4 credits.
BIO 2311	Human Anatomy and Physiology I	4 credits.	CHEM 2223	Organic Chemistry I	5 credits.	PHYS 1433	General Physics I: Algebra Based	4 credits.
BIO 2312	Human Anatomy and Physiology II	4 credits.	CHEM 2323	Organic Chemistry II	5 credits.	PHYS 1434	General Physics II: Algebra Based	4 credits.
BIO 3302	Microbiology	4 credits.	CHEM 3312	Analytical Chemistry	5 credits.	PHYS 1441	General Physics I: Calculus Based	5 credits.
BIO 3620	Molecular and Cell Biology	4 credits.	CHEM 3412	Instrumental Methods of Analysis	5 credits.	PHYS 1442	General Physics II: Calculus Based	5 credits.
BIO 3350	Bioinformatics I	4 credits.						
BIO 3352	Bioinformatics II	4 credits.						

SAMPLE COURSE OF STUDY

For Associate in Science in Liberal Arts and Sciences, starting with MAT 1475.

SEMESTER 1

(Total Credits 13 to 15)

ENG 1101	English Composition I	3 credits.
MAT 1475	Calculus I (MQR)	4 credits.
LPS	Life and Physical Sciences Course	3 to 5 credits.
USED	US Experience in its Diversity Course	3 credits.

SEMESTER 2

(Total Credits 13 to 15)

ENG 1121	English Composition II	3 credits.
MAT 1575	Calculus II	4 credits.
SW	Scientific World	3 to 5 credits.
WCGI	World Cultures and Global Issues Course	3 credits.

SEMESTER 3

(Total Credits 16 to 17)

SCI I	Science Sequence Course I	4 to 5 credits.
CE	Creative Expression Course	3 credits.
IS	Individual and Society Course	3 credits.
Add Flex Core		3 credits.
Free Elective		3 credits.

SEMESTER 4

(Total Credits 13 to 16)

SCI II	Science Sequence Course II	4 to 5 credits.
Capstone		3 to 5 credits.
Free Elective		3 credits.
Free Elective		3 credits.

CITY TECH GENERAL EDUCATION FLEXIBLE COMMON CORE AS OF SPRING 2024

World Cultures and Global Issues (WCGI)

<p>ARB 1101 Elementary Arabic I ARB 1102 Elementary Arabic II ARB 2201 Intermediate Arabic I CHN 1101 Elementary Chinese I CHN 1102 Elementary Chinese II CHN 2201 Intermediate Chinese I FREN 1101 Elementary French I FREN 1102 Elementary French II FREN 2201 Intermediate French I SPA 1101 Elementary Spanish I SPA 1102 Elementary Spanish II SPA 2201 Intermediate Spanish I SPA 2202 Intermediate Spanish II SPA 2203 Spanish for Health Professionals SPA 2401 Spanish for Heritage Speakers SPA 2402 Spanish Oral and Written Academic Communication for Heritage Speakers</p> <hr/> <p>SPA 3301 Introduction to Early Spanish Literature and Culture SPA 3401 Introduction to Modern Spanish Literature and Culture</p>	<p>AFR 1460 Early African History AFR 1461 Modern African History AFR 1462 Blacks in Science, Technology and Business AFR 1467 Afro-Caribbean History AFR 2402 The Heritage of Imperialism AFR 2612 African Philosophy and Religion ANTH 1101 Introduction to Anthropology ANTH 1102 Magic, Witchcraft, and Religion ANTH 1103 Gender, Culture, and Society ANTH 2000 Medical Anthropology ARTH 1101 History of Art: Prehistoric to Gothic ARTH 1102 History of Art: Renaissance to Modern ARTH 1103 Survey of Art History ARTH 1106 Modern Art ARTH 1108 Art of Asia ARTH 1110 Islamic Art ARTH 2200 Art and Urban Culture in Modern China ARTH 3401 Italian Renaissance Art and Architecture COM 2401 International Communication ECON 2505 Environmental Economics HIS 1101 History of Western Civilization I HIS 1102 History of Western Civilization II</p>	<p>HIS 1103 History of Western Civilization III HIS 1501 The Origins of Islamic Civilization HIS 1503 The Modern Middle East and North Africa HIS 2000 Modern World History HIS 3402 Topics in Modern World History, 1945-Present LATS 1461 Latin American History LATS 2204 Latin American Fashion and Culture LNG 1100 Language, Culture and Society MUS 1212 Introduction to World Music PHIL 1211 Chinese Philosophy SOC 3301 The Emerging Global Society</p> <hr/> <p>AFR 2212 Modern African Literature AFR 2222 Current Caribbean Literature ENG 2100 English Literature I ENG 2101 English Literature II ENG 2160 Introduction to Women's Studies ENG 2300 Great Works of Literature I ENG 2301 Great Works of Literature II LATS 2202 Latin American Literature LATS 2211 Puerto Rican Literature</p>
<p>AFR 1130 Africana Folklore AFR 1401 African Government</p>		

US Experience in its Diversity (USED)

<p>AFR 1465 Early African American History AFR 1466 Modern African American History AFR 1501 Seminar in Current Community Problems AFR 1502 Sociology of Urban Poverty AFR 2201 Early Black Writers AFR 2202 Contemporary Black Writers in American Literature AFR 3000 Black New York ARCH 3522 History of New York City Architecture ARTH 1104 Art of the United States COM 2406 Gender and Health Communication</p>	<p>ECON 1101 Macroeconomics ECON 2403 Labor Management Relations ENG 2180 Studies in Identity and Orientation ENG 2190 Expressions of Identity ENG 2200 American Literature I ENG 2201 American Literature II ENG 2250 Asian American Literature and Culture GOV 1101 American Government GOV 1102 State and Local Government GOV 2401 US Constitutional Law GOV 2402 Public Policy</p>	<p>HIS 1110 History of the United States to 1877 HIS 1111 History of the United States Since 1865 HIS 2405 History of Foodways in America HIS 3208 US Immigration History HIS 3209 History of Technology HIS 3310 Environmental History of North America LATS 2501 The Puerto Rican and Latin American in New York and Urban America SOC 1104 Race and Ethnic Relations THE 3280 American Musical Theatre</p>
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Individual and Society (IS)

<p>AFR 2000 Blacks in Media AFR 2250 Black Women in Literature ARTH 2101 Healing the Body: The Visual Culture of Medicine COM 1330 Public Speaking COM 1332 Introduction to Human Communication COM 1335 Group Communication COM 2402 Intercultural Communication COM 2403 Health Communication COM 2404 Interpersonal Communication COM 2405 Principles of Persuasion COM 3401 Business and Professional Communication ECON 1401 Microeconomics ECON 2301 Money and Banking ENG 1151 Introduction to Journalism ENG 1161 Language and Thinking ENG 1773 Weird Science: Interpreting and Redefining Humanity ENG 2000 Perspectives in Literature</p>	<p>ENG 2150 Introduction to Women Writers ENG 2420 Science Fiction ENG 3401 Law Through Literature ENG 3404 The Literature of Illness and Care LIB 1201 Research and Documentation in the Information Age PHIL 2101 Introduction to Philosophy PHIL 2102 Logical Thinking PHIL 2103 Ethics PHIL 2104 Ancient Philosophy PHIL 2106 Philosophy of Technology PHIL 2107 Philosophy and Women PHIL 2203 Health Care Ethics PHIL 3208 Political Philosophy PHIL 3211 Philosophy of Law PHIL 3212 Engineering Ethics PHIL 3400 Environmental Philosophy PSY 1101 Introduction to Psychology PSY 2300 Developmental Psychology</p>	<p>PSY 2301 Child Psychology PSY 2302 Psychology of Adolescence and Adulthood PSY 2303 Psychology of Aging PSY 2401 Social Psychology PSY 2402 Psychology of Personality PSY 2403 Abnormal Psychology PSY 2404 Personnel and Organizational Psychology PSY 3405 Health Psychology SOC 1101 Elements of Sociology SOC 1102 Urban Sociology SOC 1103 The Family SOC 2201 Sociology of Aging SOC 2380 Sociology of Education SOC 2401 Society, Technology and Self SOC 2403 Law and Society SOC 3302 Environmental Sociology SOC 3303 Sociology of Big Numbers SOC 3402 The Sociology of Social Problems</p>
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Creative Expression (CE)

<p>AFR 1301 Introduction to African Art AFR 1304 African American/Caribbean Art AFR 1311 African American/Caribbean Music AFR 1321 Black Theater AFR 1503 Hip-Hop Worldview AFR 2302 African Art and Architecture of Africa ARCH 2321 History of 20th Century Architecture ARTH 1100 History and Appreciation of Photography ARTH 1112 Introduction to Film ARTH 1204 20th Century Dress and Culture ARTH 3311 The History of Graphic Design</p>	<p>COM 1340 Oral Interpretation of Literature ENG 1141 Creative Writing ENG 1142 Introduction to Poetry Writing ENG 1143 Writing for Stage and Screen ENG 2001 Introduction to Literature I: Fiction ENG 2002 Introduction to Literature II: Drama ENG 2003 Introduction to Literature III: Poetry ENG 2170 Introduction to Studies in Maleness and Manhood ENG 2400 Films from Literature ENG 3402 Topics in Literature</p>	<p>ENG 3403 One Major Writer ENG 3407 Gothic Literature and Visual Culture MUS 1210 Musical Styles MUS 1211 Music of Latin America MUS 2206 Jazz MUS 2207 20th Century Music THE 2180 Introduction to Theatre THE 2280 History of the Theatre: Stages and Technology THE 2380 Play Analysis: Texts and Contexts</p>
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Scientific World (SW)

<p>BIO 1101 Biology I BIO 1201 Biology II BIO 2250 Evolution BIO 2311 Human Anatomy and Physiology I BIO 2312 Human Anatomy and Physiology II BIO 3302 Microbiology BIO 3350 Bioinformatics I CHEM 1110 General Chemistry I CHEM 1210 General Chemistry II GEOG 1101 Elements of Physical Geography MAT 1272 Statistics MAT 1280 Quantitative Mathematics</p>	<p>MAT 1315 Technical Mathematics with Applications II MAT 1372 Statistics with Probability MAT 1375 Precalculus MAT 1475 Calculus I MAT 1575 Calculus II MAT 2440 Discrete Structures and Algorithms I MAT 2540 Discrete Structures and Algorithms II MAT 2572 Probability and Mathematical Statistics I MAT 2580 Introduction to Linear Algebra MAT 2680 Differential Equations PHIL 2201ID Symbolic Logic PHYS 1111 Principles of Science I</p>	<p>PHYS 1112 Principles of Science II PHYS 1117 Astronomy I PHYS 1118 Astronomy II: Stars, Galaxies, Cosmology PHYS 1433 General Physics I: Algebra Based PHYS 1434 General Physics II: Algebra Based PHYS 1441 General Physics I: Calculus Based PHYS 1442 General Physics II: Calculus Based PHYS 2443 Modern Physics PHYS 2605 Introduction to Laser Physics and Photonics CST 1000 Foundations of Computing ESCI 1210 Environmental Science II PSY 3407 Psychology of Visual Perception</p>
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