
ACADEMIC PROGRAMS

GENERAL DESCRIPTION OF ACADEMIC PROGRAMS

DEGREE DESIGNATIONS

CERTIFICATES

CORE CURRICULUM REQUIREMENTS

General Description of Academic Programs

Explanation of Programs

Atlanta Metropolitan State College offers three major types of programs of study: Baccalaureate, college transfer and certificate programs.

College Transfer Programs

Transfer programs are designed for students who plan to transfer to four-year colleges or universities upon the completion of two years of course work at the College. Transfer programs of study provide the freshman and sophomore years of academic course work required for a bachelor's degree. Transfer programs lead to the Associate of Arts (A.A.) or Associate of Science (A.S.) degrees. The area F component of transfer programs is designed to provide a required foundation of courses for successful work in a specific major once the student transfers to a baccalaureate degree-granting institution.

Core Curriculum

Common to transfer degree programs within the University System of Georgia is a core curriculum. It is designed to facilitate the educational progress of students as they pursue associate and baccalaureate degrees. The core curriculum is divided into areas A-F. Outlined below is the number of credit hours required for each area:

- (A) Essential Skills - 9 hours
- (B) Institutional Options - 4 hours
- (C) Humanities and Fine Arts - 6 hours
- (D) Science, Mathematics, and Technology - 11 hours
- (E) Social Science - 12 hours
- (F) Courses Related to the Program of Study - 18 hours

Areas A-E total forty-two (42) credit hours and represent the general education portion of the core. Area F varies with each program of study and is composed of eighteen (18) credit hours which support the student's chosen program of study. These courses are the prescribed freshman and sophomore requirements for the University System of Georgia baccalaureate (four-year) degrees.

The core curriculum ensures that an Associate of Arts or an Associate of Science degree earned in a College transfer program at Atlanta Metropolitan State College will be accepted by a senior university as having met the requirements of the first two years of College.

Certificate Programs

Career programs are designed for students who wish to complete a College program which will prepare them to enter employment at a level of competence requiring more than high school education, but less than a four-year College or university degree. Students who complete a career program receive the Associate of Applied Science degree. The College also offers a few non-transferable Certificate preparation programs which provide career skills for entry into the workplace. Students in these programs earn certificates.

Bachelor's Degree Program

The Bachelor of Science (B.S.) in Biological Science is a four year research-based program that will prepare students to either enter the workforce with a bachelor's degree, or transfer to professional or graduate programs. It will prepare students for programs in: Medical, Dental, and Pharmacy School, as well as Graduate School in Cell or Molecular Biology. To become a major in the Bachelor of Science Biological Science program, all pre-requisite requirements must first be satisfied. Those students, who do not meet all requirements for entrance to the baccalaureate program, may be considered for the Associate of Science degree program, if they meet all of the program admissions requirements for the Associate Degree.

CORE CURRICULUM REQUIREMENTS

The Core Curriculum of the University System of Georgia is designed to facilitate the educational progress of students as they pursue associate and baccalaureate degrees within the University System of Georgia. The general education portion of the Core is divided into areas A-E and represents forty-two (42) credit hours. Area F varies with each program of study and is composed of 18 credit hours which support the student's chosen program of study.

REQUIRED AND ELECTIVE COURSES FOR AREAS A-F

TRANSFER PROGRAMS

Prefix	Number	Title	Hours
AREA A:	ESSENTIAL SKILLS		9
ENGL	1101	English Composition I	3
ENGL	1102	English Composition II	3
Mathematic Requirement (choose one below)			
MATH	1101	Intro to Mathematical Modeling	3
MATH	1001	Quantitative Reasoning	3
MATH	1111	College Algebra	3
MATH	1113	Precalculus	3
MATH	2201	Calculus	4

Programs of study requiring Precalculus as a first course in Area A: Biology, Chemistry, Computer Science, Mathematics, Physics, Pre-Engineering Technology. Pre-Engineering requires Calculus I in Area A. One hour of credit carries into Area F. Students who are exempted from their required math course in Area A must take another math course with a higher course number than the one required to fulfill the math requirement in Area A.

AREA B:	INSTITUTIONAL REQUIREMENT (AMIR 1001)		4
AMIR	1001	Thinking, Learning, and Communicating in Contemporary Society	

AREA C:	HUMANITIES AND FINE ARTS		6
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Fine Arts Elective: Choice of 3 hours from the following:

ARTS	1100	Art Appreciation	
ARTS	2211	The Creative Process	
ENGL	2205	Introduction to Creative Writing	
MUSC	1100	Music Appreciation	
MUSC	1101	Fundamentals of Music	
THEA	1100	Theatre Appreciation	

Humanities Elective: Choice of 3 hours from the following: **3**

COMM	1100	Human Communications	
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COMM	1110	Public Speaking
ENGL	2111	World Literature I
ENGL	2112	World Literature II
ENGL	2130	American Literature
FREN	1002	Elementary French II
FREN	2001	Intermediate French I
FREN	2002	Intermediate French II
HUMA	1101	Exploring Selected American Cultures
HUMA	1102	African American Culture
HUMA	2000	Exploring Global Cultures
MCOM	1101	Introduction to Mass Communications
PHIL	2201	Survey of Philosophy
PHIL	2210	Logic and Critical Thinking
RELI	2201	Introduction to Religious Studies
SPAN	1002	Elementary Spanish II
SPAN	2001	Intermediate Spanish I
SPAN	2002	Intermediate Spanish II

AREA D: SCIENCE, MATHEMATICS, AND TECHNOLOGY 11

OPTION I: FOR NON-SCIENCE PROGRAMS OF STUDY

Science: *Choice of two 4-hour laboratory science courses*

8

(Course = 3 hours, Lab = 1 hour). Courses do not have to be a sequence.

BIOL	1101	General Biology I
BLAB	1101	General Biology I Lab
BIOL	1102	General Biology II
BLAB	1102	General Biology II Lab
BIOL	1107	Principles of Biology I
BLAB	1107	Principles of Biology I Lab
BIOL	1108	Principles of Biology II
BLAB	1108	Principles of Biology II Lab
CHEM	1151	Survey of Chemistry I
CLAB	1151	Survey of Chemistry I Lab
CHEM	1152	Survey of Chemistry II
CLAB	1152	Survey of Chemistry II Lab
CHEM	1211	General Chemistry I
CLAB	1211	General Chemistry I Lab
CHEM	1212	General Chemistry II
CLAB	1212	General Chemistry II Lab
GSCI	1101	General Science I
GACL	1101	General Science I Lab
GSCI	1102	General Science II
GACL	1102	General Science II Lab
PHYS	1011	Physical Science I
PLAB	1011	Physical Science I Lab
PHYS	1012	Physical Science II
PLAB	1012	Physical Science II Lab
PHYS	1111	General Physics I
PLAB	1111	General Physics I Lab
PHYS	1112	General Physics II

PLAB	1112	General Physics II Lab
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3

Science, Mathematics or Technology

Choice of one 3-hour course from science, mathematics, or technology.

Science: Choose from the list above (not including labs).

Mathematics:

MATH	1111	College Algebra
MATH	1112	Intro. to Mathematical Techniques
MATH	1113	Precalculus
MATH	1114	Elementary Statistics
MATH	1121	Decision Mathematics
MATH	1122	Elementary Calculus
MATH	1128	Discrete Mathematics
MATH	2201	Analytic Geometry & Calculus I Analytic Geometry & Calculus I (1 hour excess can be included in Area F of selected programs)
MATH	2202	Calculus II

Technology:

CSCI	1135	Introduction to Computers
CSCI	1301	Computer Science I
CSCI	1136	Fundamentals of Elec. Spreadsheets
CSCI	1137	Fundamentals of Database Mgmt.
CSCI	1138	Introduction to Cyberspace Tech.
CSCI	1142	Introduction to C Programming
CSCI	1143	BASIC: Interactive Programming
CSCI	1146	Introduction to Java Programming

OPTION IIA:

FOR SCIENCE PROGRAMS OF STUDY

Science: *Choice of two 4-hour laboratory science courses.*

8

(Course = 3 hours, Lab = 1 hour). Students are encouraged to take courses which are a sequence appropriate to the program of study.

BIOL	1107	Principles of Biology I
BLAB	1107	Principles of Biology I Lab
BIOL	1108	Principles of Biology II
BLAB	1108	Principles of Biology II Lab
BIOL	1109	Principles of Biology III
BLAB	1109	Principles of Biology III Lab
CHEM	1211	General Chemistry I
CLAB	1211	General Chemistry I Lab
CHEM	1212	General Chemistry II
CLAB	1212	General Chemistry II Lab
PHYS	1111	General Physics I
PLAB	1111	General Physics I Lab
PHYS	1112	General Physics II
PLAB	1112	General Physics II Lab
PHYS	2211	Principles of Physics I

PLAB	2211	Principles of Physics I Lab
PHYS	2212	Principles of Physics II
PLAB	2212	Principles of Physics II Lab

Science, Mathematics or Technology

3

Choice of one 3-hour course from science, mathematics, or technology.

Science: Choose from the list above (not including labs).

Mathematics:

MATH	1112	Intro. to Mathematical Techniques
MATH	1113	Precalculus
MATH	1114	Elementary Statistics
MATH	1122	Elementary Calculus
MATH	1128	Discrete Mathematics
MATH	2201	Analytic Geometry & Calculus I (1 hour excess can be included in Area F of selected programs)
MATH	2202	Calculus II

Technology:

CSCI	1135	Introduction to Computers
CSCI	1301	Computer Science I

FOR ALLIED HEALTH PROGRAMS OF STUDY AT FOUR-YEAR LEVEL

OPTION IIB:

Science: *Choice of a laboratory sequence in chemistry, biology or* 8

physics

(Course = 3 hours, Lab = 1 hour).

BIOL	1107	Principles of Biology I
BLAB	1107	Principles of Biology I Lab
BIOL	1108	Principles of Biology II
BLAB	1108	Principles of Biology II Lab
CHEM	1151	Survey of Chemistry I
CLAB	1151	Survey of Chemistry I Lab
CHEM	1152	Survey of Chemistry II
CLAB	1152	Survey of Chemistry II Lab
CHEM	1211	General Chemistry I
CLAB	1211	General Chemistry I Lab
CHEM	1212	General Chemistry II
CLAB	1212	General Chemistry II Lab
PHYS	1011	Physical Science I
PLAB	1011	Physical Science I Lab
PHYS	1012	Physical Science II
PLAB	1012	Physical Science II Lab
PHYS	1111	General Physics I
PLAB	1111	General Physics I Lab
PHYS	1112	General Physics II
PLAB	1112	General Physics II Lab

Science, Mathematics, or Technology

3

Choice of one 3-hour course from science, mathematics, or technology.

Science: Choose from the list above (not including labs).

Mathematics:

MATH	1111	College Algebra
MATH	1112	Intro. to Mathematical Techniques
MATH	1113	Precalculus
MATH	1114	Elementary Statistics
MATH	1121	Decision Mathematics
MATH	1122	Elementary Calculus
MATH	1128	Discrete Mathematics
MATH	2201	Analytic Geometry & Calculus I (1 hour excess can be included in Area F of selected programs)
MATH	2202	Calculus II

Technology:

CSCI	1135	Introduction to Computers
CSCI	1301	Computer Science I
CSCI	1142	Introduction to C Programming
CSCI	1143	BASIC: Interactive Programming
CSCI	1146	Introduction to Java Programming

AREA E: SOCIAL SCIENCES 12

Government Requirement: 3

POLS	1101	American Government
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History Requirement: Choice of 3 hours from the following: 3

HIST	2111	United States History I or
HIST	2112	United States History II

Global Perspective Requirement: 3

POLS	2401	Global Issues
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Social Science Electives: Choice of 1 Social Science course: 3

Courses used in Area F cannot be used in Area E.

ANTH	1102	Introduction to Anthropology
ECON	1105	Introduction to Economics
ECON	2105	Principles of Macroeconomics
ECON	2106	Principles of Microeconomics
GEOG	1105	Intro. to World Regional Geography
HIST	2111	United States History I
HIST	2211	Honors United States History I
HIST	2112	United States History II
HIST	1111	World Civilization I
HIST	1112	World Civilization II
HIST	2113	Minorities in American History
HIST	2232	African American History
POLS	2101	Introduction to Political Science

PSYC	1101	Introduction to General Psychology	
PSYC	2201	Honors Introduction to General Psychology	
SOCI	1101	Introduction to Sociology	
SOCI	1201	Honors Introduction to Sociology	
SOCI	1160	Introduction to Social Problems	
SOSC	1101	Introduction to the Social Sciences	
SOSC	2101	Introduction to African American Studies	
Subtotal			42

AREA F: COURSES RELATED TO PROGRAM OF STUDY **18**
Total **60**

COURSES OUTSIDE THE CORE: **5**

ORNT	1100	Seminar In Personal and Academic Development	1
PHED		PHED Activity or Fitness Course (Select 1)	1
PHED		PHED Lecture Course	3
Choice of one of the following PHED lecture courses			
PHED	1101	Wellness	
PHED	2105	Concepts of Health and Safety	
PHED	2240	First Aid	

PHED NOTE: Students who entered Atlanta Metropolitan State College prior to Fall 2010 should take only one PHED Activity or Fitness course and one PHED Lecture course.

Total Required Program Hours **65**