

Core Curriculum

ASTEC has the primary responsibility for the two-year general education curriculum required of all students in the university and outstanding training for undergraduate students in core disciplines.

IUGB requires all students seeking a bachelor degree to successfully complete a basic core of general education subjects. The core curriculum provides students with a broad background in general education and reflects the special mission of this university as a regional English-language institution of higher education in fields critical to regional development, international success and life-long learning.

Similar to GSU, the curriculum is divided into Areas of study namely

- Area A: Essential Skills (9 hours)
- Area B: Institutional Option (4 hours)
- Area C: Humanities and Fine Arts (6 hours)
- Area D: Science, Math and Technology (11 hours)
- Area E: Social Science (12 hours)
- Area F: Preparation for Majors (18 hours)
- Area G-J (see GSU course catalog or www.gsu.edu)

During the first two years of study i.e. freshman and sophomore, students follow a general education program made up of courses from Areas A through F.

Areas A through E of the core curriculum are designed to provide students with a wide array of courses as a means of gaining a basic education and assisting students in their choice of courses appropriate for their majors. Students should normally choose among the courses in areas A to E and are encouraged to consult their academic advisors to help select and plan courses appropriate for their major before taking courses in Area F. There are restricted choices for some majors in Areas A and D. Students must follow the degree-specific requirements listed in Areas A and D for the programs they are pursuing.

Courses in Area F (preparation for a major), which constitute the remaining 18 semester hours in the core curriculum, are major specific and students are strongly recommended to see an academic advisor to help them determine the required courses for their major.

Core Curriculum Courses by Area

I. Area A: Essential Skills (9)

a) English Requirements: Select two (6)

ENGL 1101 English Composition I (3)

ENGL 1102 English Composition II (3)

b) Mathematics requirements Select one (3-4)

MATH 1111 College Algebra (3)

MATH 1113 Pre-Calculus (3)

MATH 2211 Calculus of One Variable I (4)

MATH 2212 Calculus of One Variable II (4)

MATH 2215 Multivariate Calculus (4)

MATH 2420 Discrete Mathematics (3)

II. Area B: Institutional Options (4)

Select two

SPCH 1000 Human Communication (2)

PHIL 1010 Critical Thinking (2)

PERS 2001 Perspective on Comparative Cultures (2)

PERS 2002 Scientific Perspective on Global Problems (2)

III. Area C: Humanities and Fine Arts (6)

Select two, one from each group

1. Humanities

ENGL 2130 American Literature (3)

SPCH 2050 Media, Culture, and Society (3)

2. Fine Arts

AH 1750 Survey of Art II (3)

AH 1850 Survey of Art III (3)

THEA 2040 Introduction to Theatre (3)

3. Foreign Language

SPAN 1002 Elementary Spanish II (3)

SPAN 2001 Intermediate Spanish I (3)

SPAN 2002 Intermediate Spanish II (3)

IV. Area D: Science, Mathematics, and Technology (11)

1. Select one two-course sequence (8)

Students must choose one group of science courses. Certain majors require specific science courses.

BIOL 2107K Principles of Biology I (4) & **BIOL 2108K** Principles of Biology II (4)

PHYS 2211K Principles of Physics I(4) & **PHYS 2212K** Principles of Physics II (4)

2. Select one course (must be from a different discipline from the courses you selected for your group) I think I know what this is saying but we need to re-work it so that there is no risk of ambiguity.

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Any course from section D1 above

CSC1010 Computers & Applications (3)

MATH 1070 Elementary Statistics (3)

MATH 2420 Discrete Mathematics (3)

V. Area E: Social Science (12)

1. United States Politics & History (6)- required by GSU

HIST 2110 Survey of US History (3)

POLS 1101 American Government (3)

2. World History & Politics: select one

ECON 2100 Global Economy (3)

POLS 2401 Global Issues (3)

3. Social Science: select one

GEOG 1101 Introduction to Human Geography (3)

ECON 2105 Principles of Macroeconomics (3)

ECON 2106 Principles of Microeconomics (3)

PSYC 1101 Introduction to General Psychology (3)

SOCI 1101 Introduction to Sociology (3)

VI. Other Courses

IUGB 1010 University Orientation (3) **IUGB requirement**