

Academic Requirements

GENERAL EDUCATION AND YOUR DEGREE

A Message from the President Regarding General Education

An educated person should be able to read and comprehend, to write clearly, to compute and solve a variety of mathematical problems, and possess the skills necessary to be successful in a particular field. The general education portion of your degree program provides you with broad skills which are considered critical in today's global economy: independent thought, critical thinking, responsible citizenship, knowledge of history and other cultures, appreciation of the arts, and a global perspective. These skills enable you to learn new job skills rapidly, which in the coming years will prove important as technology knowledge doubles weekly and human knowledge doubles yearly thus propelling significant changes in the workplace on a regular basis.

As a student at Bay College, you will develop these broad based skills. You will be exposed to many areas of knowledge, from the sciences to the fine arts. The purpose of general education at Bay College is to help all students develop the skills and knowledge that are essential to becoming satisfied, knowledgeable, and productive individuals and citizens.

Good luck as you pursue your educational goals at Bay College!



Laura Coleman, Ph.D.
President of Bay de Noc Community College

BAY DE NOC COMMUNITY COLLEGE'S GENERAL EDUCATION PHILOSOPHY

All associate degree graduates of Bay de Noc Community College will possess those qualities, abilities, skills, and knowledge which give them new insights, challenge them to consider new possibilities, create community, and sensitize them to other perspectives.

HOW THE COLLEGE'S GENERAL EDUCATION REQUIREMENTS WORK

By graduation, all associate degree students need to meet four outcomes that stem from the areas of Communication, Social and Behavioral Science, Humanities, and Mathematical Problem Solving and Critical Thinking. Each associate degree program is designed to include course work that meets all four of the outcomes so that when the student has successfully completed the program requirements, the General Education Outcomes will also have been met. Programs take one of two options to ensure that graduates attain the outcomes. With the first option, programs may require students to take approved courses from the following General Education Course Distribution List. With the second option, some programs may embed one or more of the outcomes within a program specific course or over several courses. For information, regarding a specific program, students are encouraged to examine the program's requirements as listed in this catalog and to consult with their advisor.

Bay College General Education

All associate degree graduates of Bay de Noc Community College will possess those qualities, abilities, skills, and knowledge which give them new insights, challenge them to consider new possibilities, create community, and sensitize them to other perspectives.

By graduation, all associate degree students need to meet the General Education outcomes that stem from the categories of Communication, Mathematics, Natural Science, Social & Behavioral Science, and Humanities. Students are required to take approved courses from the following General Education Course list. For information regarding a specific program, students are encouraged to examine the program's requirements as listed in this catalog and to consult with their advisor.

Five General Education Categories

1. Communication
Demonstrate proficiency in communicating effectively by writing in standard English. Additional studies may include demonstrating proficiency in communication through written, oral, or non-verbal messages and an understanding of the theoretical principles and practices of communication.
2. Mathematics
Develop problem-solving techniques by using mathematical formulas and critical thinking skills.
3. Natural Science
Demonstrate broad contemporary knowledge about a natural scientific field, the process of science, and the ability to apply scientific reasoning.
4. Social & Behavioral Science
Develop social awareness and responsibility through understanding national and global issues.
5. Humanities
Develop social awareness of how society and culture interplay in artistic expression and enrichment.

Associate in Arts Degree

Associate in Arts (AA) students will take two Communication courses (EN 101 required), one Mathematics course, a Natural Science course with a lab, two Social & Behavioral Science courses, two Humanities courses, and two additional courses. The additional courses may be from any of the five GE categories, but must be from separate categories. Completing the General Education requirements will satisfy MACRAO provided you follow the MACRAO requirements listed on p.65 of the catalog when choosing courses within each category.

A minimum of 38 general education credits will be taken. If more than the ten courses shown below are taken to achieve the 38 credit minimum, the additional courses may be taken from any of the five general education categories.

See list of General Education Courses for specific courses that fulfill each category

General Education Category	Courses
Communication	2 (EN 101 required)
Mathematics	1
Natural Science	1 (with a lab)
Social & Behavioral Science	2
Humanities	2
Additional	2 additional courses taken from any of the five general education categories (but from separate categories)
TOTAL CREDITS Minimum 38	

Associate in Science Degree

Associate in Science (AS) students will take two Communication courses (EN 101 required), one Mathematics course, two Natural Science courses with a lab, two Social & Behavioral Science courses, and two Humanities courses. Completing the General Education requirements will satisfy MACRAO provided you follow the MACRAO requirements listed on p. 65 of the catalog when choosing courses within each category.

A minimum of 30 general education credits will be taken. If more than the nine courses shown below are taken to achieve the 30 credit minimum, the additional courses may be taken from any of the five general education categories.

See list of General Education Courses for specific courses that fulfill each category

General Education Category	Courses
Communication	2 (EN 101 required)
Mathematics	1
Natural Science	2 (with a lab)
Social & Behavioral Science	2
Humanities	2
TOTAL CREDITS Minimum 30	

Associate in Applied Science Degree

Associate in Applied Science (AAS) students will take one Communication course (EN 101 required), one Mathematics or Natural Science course, and one Social & Behavioral Science or Humanities course. Two additional courses will be taken. These additional courses are required from any of the five GE categories provided that no more than two courses are taken from each of the three combined areas (Communications, Mathematics/Natural Science, and Social & Behavioral Science/Humanities).

A minimum of 18 general education credits will be taken. If more than the five courses shown below are taken to achieve the 18 credit minimum, the additional courses may be taken from any of the five general education categories.

See list of General Education Courses for specific courses that fulfill each category

General Education Category	Courses
Communication	1 (EN 101 required)
Mathematics/ Natural Science	1
Social & Behavioral Science/ Humanities	1
Additional	2 additional courses but no more than two courses total from each of the three combined areas
TOTAL CREDITS Minimum 18	

General Education Courses

Honors designated versions of these course numbers also apply in this listing. Example: ANTH-201 and ANTH-201H.

Communication

ENGL-101	Rhetoric and Composition * (required for all degrees)
ENGL-102	Research Writing *
ENGL-145	Technical Report Writing *
COMM-103	Interpersonal Communications
COMM-104	Public Speaking

* Meets the MACRAO Composition requirement

Mathematics

BUSN-177	Mathematics of Business **
MATH-105	Intermediate Algebra **
MATH-106	Technical Algebra & Trigonometry I **
MATH-107	Liberal Arts Math ***
MATH-110	College Algebra
MATH-111	Trigonometry
MATH-125	Technical Algebra & Trigonometry II **
MATH-130	Mathematics for Elementary Teachers I ***
MATH-141	Analytical Geometry & Calculus I
MATH-142	Analytical Geometry & Calculus II
MATH-210	Introduction to Statistics
MATH-225	Technical Calculus
MATH-243	Analytical Geometry & Calculus III
MATH-244	Differential Equations
MATH-250	Introduction to Linear Algebra

** AAS degrees only

*** AA or AAS degrees only

Natural Science

BIOL-103	Essential Biology
BIOL-104	Human Biology
BIOL-107 & 108	Environmental Science & Lab
BIOL-110	Evolution & Diversity
BIOL-112	Cells & Molecules
BIOL-200	Plant Biology
BIOL-202	Plants & Animals
BIOL-213	Anatomy & Physiology I
BIOL-214	Anatomy & Physiology II
BIOL-220	Animal Biology
BIOL-226	Microbiology
BIOL-255 & 256	Genetics & Lab
BIOL-270 & 271	Ecology & Lab
CHEM-103	Essential Chemistry
CHEM-107	Human Chemistry
CHEM-108	Technical Chemistry
CHEM-110	General Chemistry I
CHEM-112	General Chemistry II
CHEM-201	Organic Chemistry I
CHEM-202	Organic Chemistry II
GEOG-110	Physical Geography
PHYS-103	Conceptual Physical Science
PHYS-201	Elements of Physics I
PHYS-202	Elements of Physics II
PHYS-205	Engineering Physics I
PHYS-206	Engineering Physics II

Social & Behavioral Science Courses

ANTH-201	Introduction to Cultural Anthropology
ECON-120	Personal Finance
ECON-131	Macroeconomics
ECON-132	Microeconomics
EDUC-202	Educational Psychology
GEOG-102	Introduction to Geography
GEOG-125	World Regional Geography – Developed World
GEOG-126	World Regional Geography – Developing World
HIST-101	Western Civilization to 1600
HIST-102	Western Civilization 1600 to Present
HIST-211	U.S. History to 1865
HIST-212	U.S. History 1865 to Present
HIST-220	Michigan History
LEAD-200	Introduction to Leadership
PHIL-240	Introduction to World Religions
POLI-110	Comparative Government & Politics
POLI-111	American Government
POLI-201	International Relations
POLI-262	State and Local Government
PSYC-201	Introduction to Psychology
PSYC-206	Social Psychology
PSYC-210	Psychology of Learning
PSYC-220	Developmental Psychology
PSYC-280	Abnormal Psychology
SOCY-103	Cultural Diversity
SOCY-151	Sociology
SOCY-207	Social Problems
SOCY-208	Marriage & the Family

Humanities

ANTH-201	Introduction to Cultural Anthropology
ARTS-163	Theater Appreciation
ARTS-204	Art History I
ARTS-207	Art History II
CJUS-240	Approaches to Ethics in Criminal Justice
COMM-201	Mass Communication and Popular Culture
COMM-225	Introduction to Film: History & Interpretation
ENGL-150	Introduction to Literature
ENGL-200	American Literature
ENGL-203	Shakespeare
ENGL-205	World Literature
ENGL-206	Special Topics in the Humanities
ENGL-208	Writing Poetry & Short Fiction
ENGL-209	Writing Creative Non-Fiction
ENGL-210	British Literature
ENGL-211	Women's Literature
ENGL-280/281/282	Special Topics in Literature
FREN-111	French I
FREN-112	French II
GRMN-101	German Language & Culture I
GRMN-102	German Language & Culture II
HIST-101	Western Civilization to 1600
HIST-102	Western Civilization 1600 to Present
MUSC-153	Music Appreciation
PHIL-201	Introduction to Western Philosophy
PHIL-202	Introduction to Asian Philosophy
PHIL-203	Introduction to Biomedical Ethics
PHIL-204	Approaches to Ethics
PHIL-240	Introduction to World Religions
SPAN-101	Spanish I
SPAN-102	Spanish II
SPAN-220	Spanish III