GENERAL EDUCATION REQUIREMENTS

General education objective and learning outcomes for undergraduate students seeking baccalaureate degrees at the University of Alaska Fairbanks:

1. Build knowledge of human institutions, sociocultural processes, and the physical and natural world through the study of the natural and social sciences, technologies, mathematics, humanities, histories, languages and the arts.
   • Competence will be demonstrated for the foundational information in each subject area, its context and significance, and the methods used in advancing each.

2. Develop intellectual and practical skills across the curriculum, including inquiry and analysis, critical and creative thinking, problem solving, written and oral communication, information literacy, technological competence, and collaborative learning.
   • Proficiency will be demonstrated across the curriculum through critical analysis of proffered information, well-reasoned solutions to problems or inferences drawn from evidence, effective written and oral communication, and satisfactory outcomes of group projects.

3. Acquire tools for effective civic engagement in local through global contexts, including ethical reasoning, intercultural competence, and knowledge of Alaska and Alaska issues.
   • Facility will be demonstrated through analyses of issues including dimensions of ethics, human and cultural diversity, conflicts and interdependencies, globalization and sustainability.

4. Integrate and apply learning, including synthesis and advanced accomplishment across general and specialized studies, adapting them to new settings, questions and responsibilities, and forming a foundation for lifelong learning.
   • Preparation will be demonstrated through production of a creative or scholarly product that requires broad knowledge, appropriate technical proficiency, information collection, synthesis, interpretation, presentation and reflection.

Courses that satisfy the GER have course numbers ending with X. For example, WRTG F111X and COJO F141X meet specific GER communication requirements. Credit may be counted toward general education requirements or a degree major requirement, but not both. If additional courses are added to GER in later catalog years, students may use them to fulfill a specific GER in this catalog year. Students must earn a C- grade or higher in each course used to meet a baccalaureate GER.

General Education Requirements at a Glance

Refer to tables below for specific courses.

<table>
<thead>
<tr>
<th>Natural Sciences (p. 2)</th>
<th>8</th>
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<tbody>
<tr>
<td>Total Credits</td>
<td>35-40</td>
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</table>

Course Requirements

COMMUNICATION

Complete the following courses:

- COJO F121X Introduction to Interpersonal Communication 3
- or COJO F131X Fundamentals of Oral Communication: Group Context
- or COJO F141X Fundamentals of Oral Communication: Public Context
- WRTG F111X Writing Across Contexts 3
- WRTG F211X Writing and the Humanities 3
- or WRTG F212X Writing and the Professions
- or WRTG F213X Writing and the Sciences
- or WRTG F214X Arguing Across Contexts

ARTS

Select one course from the following: 3

- ANS/FLPA F161X Introduction to Alaska Native Performance
- ANS F202X Aesthetic Appreciation of Alaska Native Performance
- ANS/MUS/ACNS F223X Alaska Native Music
- ART F200X Explorations in Art
- ART F261X History of World Art
- ART F262X History of World Art
- ENGL/FLPA/COJO F217X Introduction to the Study of Film
- FLPA/COJO F105X History of the Cinema
- FLPA F200X Performance, Production and the Audience
- FLPA F215X Dramatic Literature and History
- HUM F201X Unity in the Arts
- MUS F103X Music Fundamentals
- MUS F125X Enjoying Jazz
- MUS F200X Explorations in Music

HUMANITIES

Select one from the following: 3-5

- ANL F141X Beginning Athabascan-Koyukon or Gwich’in
- ANL F142X Beginning Athabascan
- ANL F251X Introduction to Athabaskan Linguistics
- ANL F255X Introduction to Alaska Native Languages
- ASLG F101X American Sign Language I
- ASLG F202X American Sign Language II
- CHNS F101X Elementary Chinese I
- CHNS F102X Elementary Chinese II
- COJO F101X Media and Culture
General Education Requirements

COJO F102X  Introduction to Broadcasting
ENGL/FL F200X  World Literature
ENGL F270X  Introduction to Creative Writing
FREN F101X  Elementary French I
FREN F102X  Elementary French II
GER F101X  Elementary German I
GER F102X  Elementary German II
INU F111X  Elementary Inupiaq
INU F112X  Elementary Inupiaq
JPN F101X  Elementary Japanese I
JPN F102X  Elementary Japanese II
LAT F101X  Beginning Latin I
LAT F102X  Beginning Latin II
LING  F101X  Nature of Language
LING F216X  Languages of the World
PHIL F102X  Introduction to Philosophy
PHIL F104X  Logic and Reasoning
RELG F221X  Religions of the World
RUSS F101X  Elementary Russian I
RUSS F102X  Elementary Russian II
SPAN F101X  Elementary Spanish I
SPAN F102X  Elementary Spanish II
YUP F101X  Elementary Central Yup'ik
YUP F102X  Elementary Central Yup'ik

SOCIAL SCIENCES
Select two from the following in two different disciplines: 6
ACCT F261X  Principles of Financial Accounting
ANS F111X  History of Colonization in Alaska: The Indigenous Response
ANS F242X  Native Cultures of Alaska
ANTH F100X  Individual, Society and Culture
ANTH F101X  Introduction to Anthropology
ANTH F111X  Ancient Civilizations
ANTH F211X  Fundamentals of Archaeology
BA F151X  Introduction to Business
BA F254X  Personal Finance (s)
BA/SPRT F281X  Introduction to Sport Management
ECE F104X  Child Development I: Prenatal, Infants and Toddlers
ECON F100X  Political Economy
ECON F201X  Principles of Economics I: Microeconomics
ECON F202X  Principles of Economics II: Macroeconomics
ECON F235X  Introduction to Natural Resource Economics
GEOG F101X  Expedition Earth: Introduction to Geography
HIST F100X  Modern World History
HIST F102X  Western Civilization Since 1500
HIST F122X  East Asian Civilization
HIST F132X  History of the U.S.
HUMS/JUST F125X  Introduction to Addictive Processes
JUST F110X  Introduction to Justice
JUST F251X  Criminology
PS F100X  Political Economy
PS F101X  Introduction to American Government and Politics
PS F201X  Comparative Politics
PS F221X  International Politics
PSY F101X  Introduction to Psychology
RD F200X  Rural Development in the North
SOC F101X  Introduction to Sociology
SOC F201X  Social Problems and Solutions
SWK F103X  Introduction to Social Work
WGS F201X  Introduction to Women's Gender and Sexuality Studies

ADDITIONAL ARTS/HUMANITIES/SOCIAL SCIENCES
Complete one additional course from the arts, humanities or social sciences courses listed above. 3-5

MATHEMATICS
Select one from the following: 3-4
MATH F113X  Concepts and Contemporary Applications of Mathematics
MATH F122X  Precalculus for Business and Economics 1
MATH F151X  College Algebra for Calculus 1
MATH F152X  Trigonometry
MATH F156X  Precalculus
MATH F230X  Calculus Essentials with Applications 2,3
MATH F251X  Calculus I 2,3
MATH F252X  Calculus II 3
MATH F253X  Calculus III 3
STAT F200X  Elementary Probability and Statistics

1 You may earn credit for MATH F151X or MATH F122X but not both.
2 You may earn credit for MATH F251X or MATH F230X but not both.
3 Or any math course having one of these as a prerequisite.

NATURAL SCIENCES
Select two from the following: 8
ATM F101X  Weather and Climate of Alaska
BIOL F100X  Human Biology
BIOL F103X  Biology and Society
BIOL F104X  Natural History of Alaska
BIOL F115X  Fundamentals of Biology I
BIOL F116X  Fundamentals of Biology II
BIOL F120X  Introduction to Human Nutrition
BIOL F213X  Human Anatomy and Physiology I
BIOL F214X  Human Anatomy and Physiology II
CHEM F100X  Chemistry in Complex Systems
CHEM F103X  Basic General Chemistry
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<th>Course Code</th>
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<tr>
<td>CHEM F104X</td>
<td>Survey of Organic Chemistry and Biochemistry</td>
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<tr>
<td>CHEM F105X</td>
<td>General Chemistry I</td>
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<tr>
<td>CHEM F106X</td>
<td>General Chemistry II</td>
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<tr>
<td>CHEM F111X</td>
<td>Introduction to Environmental Chemistry of the Arctic</td>
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<tr>
<td>GEOG F111X</td>
<td>Earth and Environment: Elements of Physical Geography</td>
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<tr>
<td>GEOS F101X</td>
<td>The Dynamic Earth</td>
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<tr>
<td>GEOS F106X</td>
<td>Life in the Age of Dinosaurs</td>
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<tr>
<td>GEOS F112X</td>
<td>The History of Earth and Life</td>
</tr>
<tr>
<td>GEOS F120X</td>
<td>Glaciers, Earthquakes and Volcanoes: Past, Present and Future</td>
</tr>
<tr>
<td>MSL F111X</td>
<td>The Oceans</td>
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<tr>
<td>PHYS F102X</td>
<td>Energy and Society</td>
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<td>PHYS F115X</td>
<td>Physical Sciences</td>
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<td>PHYS F175X</td>
<td>Introduction to Astronomy</td>
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<td>PHYS F212X</td>
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<tr>
<td>PHYS F213X</td>
<td>Elementary Modern Physics</td>
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