

General Studies (with emphases option in Art)

AA.2401 (60 Credits)
 Associate of Arts
 Alliance • Scottsbluff • Sidney

This emphasis area is designed to provide a well-rounded education for students who want to follow a general course of study in the liberal or fine arts. It may be useful to the student who wishes to attend only two years of college or to the student who plans to transfer to another institution but still needs the broad background of coursework in the freshman and sophomore years.

Objectives

- Provide for the well-rounded development of the individual.
- Permit the student to explore various fields that may lead to a major in the liberal arts or a specialized area.

Notes

- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisors early in their WNCC career to determine a curriculum best suited to their transfer goals.
- Students should consult with their faculty advisor about specific course recommendations to fulfill the six (6) humanities and six (6) social sciences credits required of the general education program. Advisors can help select the best courses to meet future career and transfer goals.
- There are two emphasis areas (general studies and art) from which to choose from when considering an AA in general studies.

General Studies Emphasis

AA General Education Core 32 credits
 General Studies Core 14 credits

Class	Credit
SPAN-1300	Elementary Spanish I 5
PHIL-1060	Intro to Ethics & Current Issues in Philosophy 3
	or
PHIL-1150	Critical and Creative Thinking 3
	or
SOCI-2150	Issues of Unity and Diversity 3

One additional literature course	3
One additional aesthetics course	3
Electives	14 credits
Total AA Credits	60 credits

Art Emphasis

AA General Education Core 32 credits
 Art Core 9 credits

Class	Credit
PHIL-1060	Intro to Ethics & Current Issues in Philosophy 3
	or
PHIL-1150	Critical and Creative Thinking 3
	or
SOCI-2150	Issues of Unity and Diversity 3
	One additional literature course 3
	One additional aesthetics course 3

Electives (selected from below) 19 credits

Class	Credits
ARTS-1400	Beginning Printmaking 3
	or
ARTS-1680	Beginning Watercolor Painting 3
	or
ARTS-2450	Figure Drawing 3
	or
ARTS-2460	Sculpture I 3
ARTS-1550	Drawing I 3
ARTS-1580	Drawing II 3
ARTS-2400	Painting I 3
ARTS-2430	Painting II 3
Total AA Credits	60 credits

General Studies (Math and Science)

AS.2401 (61 Credits)
 Associate of Science
 Alliance • Scottsbluff • Sidney

This program is designed for students wishing to follow a program of study with an emphasis in the sciences. Its purpose is to provide a well-rounded education for those students interested in a math or science-related field including engineering and computer science.

Objectives

- Permit students to explore various courses of mathematics and sciences that may lead to a major in a specialized emphasis area.

Notes

- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisors early in their WNCC career to determine a curriculum best suited to their transfer goals.
- Students following the pre-engineering option should choose from the following technical electives:

Class		Credit
ENGR-1010	Introduction to Engineering Design	3
ENGR-1020	Programming & Problem Solving	3
ENGR-1070	Graphics for Engineers	3
ENGR-2010	Introduction to Circuits & Electronics	3
ENGR-2020	Statics	3

- Students should consult with their faculty advisor before selecting science, math, and elective courses.
- Students following the pre-computer science option should take technical elective INFO-1355 (Computer Science I) and should consult with their faculty advisor before selecting science, math, and elective courses.
- In addition to the general education requirements for the AS degree, a minimum of 15-16 credits of core courses and 26 credits of technical electives are required for the general studies in math and science degree.
- Depending on the student's choice of electives, it is possible that the total credits earned for the AS degree will exceed 60 credit credits.
- Students should understand that the courses included in the lists of core requirements and recommended electives will be required by receiving institutions at some point in their journey to the bachelor's degree.

Core Requirements (15-16 credits)

- A minimum of 15-16 credits of combined science and math credits are required for the AS degree. Must include three (3) credits minimum in MATH or STAT. Must include a minimum of four (4) credits of science from BIOS, CHEM or PHYS options.

Class		Credits
BIOS-1010	General Biology (and lab)	4
BIOS-1100	Environmental Science (with lab)	4
BIOS-1380	General Zoology (and lab)	4
BIOS-1160	Intro to Human Anatomy & Physiology	4
BIOS-1300	Botany (and lab)	4
BIOS-1380	Zoology (and lab)	4

BIOS-2250	Human Anatomy & Physiology I (and lab)	4
BIOS-2260	Human Anatomy & Physiology II (and lab)	4
BIOS-2120	Genetics (and lab)	4
BIOS-2460	Microbiology (and lab)	4
CHEM-1050	Introductory Chemistry (and lab)	4
CHEM-1090	General Chemistry I (and lab)	4
CHEM-1100	General Chemistry II (and lab)	4
CHEM-2510	Organic Chemistry I (and lab)	4
CHEM-2520	Organic Chemistry II (and lab)	4
GEOL-1010	Physical Geology (and lab)	4
MATH-1150	College Algebra	4
MATH-1210	Trigonometry	3
MATH-1600	Analytic Geometry & Calculus I	5
MATH-2150	Calculus II	5
MATH-2170	Applied Statistics	3
MATH-2200	Calculus III	5
MATH-2210	Differential Equations	3
PHYS-1200	Earth and Space Science (and lab)	4
PHYS-1070	Astronomy (and lab)	4
PHYS-1100	Physical Science (and lab)	4
PHYS-1300	Physics I (and lab & recitation)	5
PHYS-1350	Physics II (and lab & recitation)	5
PHYS-2400	Physics I with Calculus (and lab & recitation)	5
PHYS-2450	Physics II with Calculus (and lab & recitation)	5

Additional recommended technical electives or courses required for transfer (26 credits)

These courses do not meet the required minimum math/science requirement for the AS degree.

Technical electives may be selected from the list of core courses in addition these courses.

Class		Credits
BIOS-1000	Basic Nutrition	3
BIOS-2050	Nutrition and Diet Therapy	3
ENGR-1010	Intro to Engineering Design	3
ENGR-1020	Programming & Problem Solving	3
ENGR-1070	Graphics for Engineers	3
ENGR-2010	Intro to Circuits & Electronics	3
ENGR-2020	Statics	3
INFO-1200	Introduction to Computer Science	3
INFO-1355	Computer Science I	3

INFO-2330	Data Structures	3
PHYS-1225	Science of Sports	4

Recommended Plan of Study

1st Semester		Credits
ENGL-1010	English Composition I	3
PRVD-1010	Achieving College Success	3
	Math GE/Core elective	4
	Math or Science Core elective	4
	Technical elective	3
Total Credits		17
2nd Semester		Credits
ENGL-1020	English Composition II	3
	Lab Science GE/Core elective	4
	Technical electives	8
Total Credits		15
3rd Semester		Credits
	Humanities GE elective	3
	Oral Communication GE elective	3
	Math or Science Core elective	4
	Technical elective	4
Total Credits		14
4th Semester		Credits
	Social Science GE elective	3
	Technical electives	12
Total Credits		15
Total AS Credits		61

General Studies (Social Sciences)

AA.4501 (61 Credits)

Associate of Arts

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The Division of Social Sciences at WNCC offers students the opportunity to earn an Associate of Arts (AA) in social sciences, a multidisciplinary program with an intellectually rich and diverse combination of courses. The AA in social sciences permits students to select courses from their choice of four (4) of the program's six (6) areas of study: anthropology, economics, geography, history, political science, or sociology. Ultimately, this program is specifically designed to introduce the social sciences that will successfully prepare students for a variety of interesting and meaningful professions.

Objectives

- Identify the multidisciplinary knowledge requisite to understanding personal and social responsibility in modern, complex, and interdependent societies;
- Assess the knowledge required to understand and value human cultures and diversity;
- Synthesize, integrate, and apply knowledge in the areas of local and global civic awareness, intercultural competence, and ethical reasoning and action;
- Develop and demonstrate applied skills across students' chosen areas of study, consistent with students' plans to transfer to a four-year college or university and/or their career path;
- Develop and utilize a set of intellectual and life skills in the areas of communication, critical thinking, problem solving, information literacy, humanities and/or fine arts awareness, cultural awareness, personal development, and life-long learning.

Notes

- Students who plan to transfer to a four-year college or university should consult with their WNCC faculty advisor, the WNCC transfer advisor, and/or transfer advisor at their intended transfer institution early in their enrollment to determine the most appropriate curriculum for their proposed program of study at transfer institution.

Requirements

AA General Education Core 31 credits

Required Social Science Core 18 credits

See below. The specific social science courses to be selected are at the discretion of the student and in consultation with her/his academic advisor.

Open electives 11 credits

See below. Selected at the discretion of the student and in consultation with her/his academic advisor.

Total Credits 60 credits

**Required Social Science Core 18 credits
(selected from below)**

Select a total of six (6) courses or 18 credit credits from any four (4) of the following six (6) social science disciplines.

The choice of social science courses and disciplines is at the student's discretion, in consultation with her or his academic advisor.