	Oral Communication GE elective	3
	Social Science GE elective	3
	Total Credits	**16**
3rd Semester		**Credits**
CHEM-2510	Organic Chemistry I (with lab)	4
MATH-2150	Calculus II	5
PHYS-1300	Physics I (with lab and recitation)	5
	Elective	3
	Total Credits	**17**
4th Semester		**Credits**
CHEM-2520	Organic Chemistry II (with lab)	4
MATH-2200	Calculus III	5
PHYS-1350	Physics II (with lab and recitation)	5
	Total Credits	**14**
	Total AS Credits	**42**

(Pre) Chiropractic Medicine

AS.5101 (62 Credits)
Associate of Science
Scottsbluff

The pre-chiropractic medicine emphasis area is modeled after several such programs across North America. The recommended plan of study represents 60 of the minimum 90 prerequisite credits necessary to be eligible for application to an accredited chiropractic school. Of the 61 credits earned toward the Associate of Science degree, 48 of them include required coursework as established by the Council on Chiropractic Education (CCE) and are accepted by the member institutions of the Association of Chiropractic Colleges (AAC).

This program includes all of the required coursework in the sciences. The program naturally contains considerable flexibility with regard to the recommended coursework. It is important for a student to consult with his or her advisor as well as transfer institutions early to formulate a plan for the completion of all 90 credits required for application to chiropractic school. Complete information concerning prerequisites and application to chiropractic schools can be found at the respective websites of the CCE and AAC.

Objectives

- Provide students with necessary coursework and credits to attain an AS degree from WNCC.
- Provide students with relevant science background to be a competitive applicant to schools of chiropractic medicine.
- Provide students with the opportunity to attain a minimum of 60 credit credits out of 90 established as pre-admissions requirements by the CCE. These prerequisite courses are accepted by all 20 member institutions of the ACC. The 61 credits taken at WNCC will include the minimum 48 credits of coursework established by the CCE as required.

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.
- Placement test scores dictate English and math course entry levels. It is important to note that MATH-1010 (Intermediate Algebra) is the prerequisite CHEM-1090.
- Students should check with their advisor to determine which humanities and social science offerings qualify for admission into a certified chiropractic program.
- Social science and humanities credits will constitute 18 credits of the 90 credits required for admission into a certified chiropractic program.
- Students should check the Association of Chiropractic Colleges website to get a complete listing of all Chiropractic Colleges in North America as well as check detailed listings of requirements for admission to Doctor of Chiropractic programs. The potential for adjustment to the recommended program would exist within the first two years although the ultimate requirements for admission to a chiropractic program would not. For example, Organic Chemistry could be delayed until the third year of coursework but relevant substitutions (i.e. science classes) would need to be made in the second year at WNCC to complete hour requirements. Be aware of the fact that at some point Organic Chemistry would still need to be taken by virtue of the fact it is a requirement for admission to a certified chiropractic program.
- Please also note that many of the chiropractic schools are now requiring a Bachelor's of Science degree for admission.
- In addition to the general education requirements for the AS degree, 33 credits of core courses and nine (9) credits of electives are required for the degree in pre-chiropractic medicine.
- Depending on the 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 a bachelor's or professional degree.

Core Requirements (33 credits)

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

Class		Credits
BIOS-2250	Human Anatomy & Physiology I (and lab)	4
BIOS-2260	Human Anatomy & Physiology II (and lab)	4
CHEM-1090	General Chemistry I (and lab)	4
CHEM-1100	General Chemistry II (and lab)	4
MATH-1150	College Algebra	4
MATH-1210	Trigonometry	3
PHYS-1300	Physics I (and lab & recitation)	5
PHYS-1350	Physics II (and lab & recitation)	5

Recommended electives or courses required for transfer (9 credits selected from below):

Class		Credits
BIOS-1010	General Biology (and lab)	4
BIOS-1380	General Zoology (and lab)	4
BIOS-2120	Genetics (and lab)	4
BIOS-2460	Microbiology (and lab)	4
CHEM-2510	Organic Chemistry I (and lab)	4
CHEM-2520	Organic Chemistry II (and lab)	4

Recommended Plan of Study

1st Semester		Credits
BIOS-2250	Human Physiology & Anatomy I (and lab)	4
CHEM-1090	General Chemistry I (and lab)	4
ENGL-1010	English Composition I	3
MATH-1150	College Algebra	4
PRDV-1010	Achieving College Success	3
	Total Credits	**18**

2nd Semester		Credits
BIOS-2260	Human Physiology & Anatomy II (and lab)	4
CHEM-1100	General Chemistry II (and lab)	4
ENGL-1020	English Composition II	3
MATH-1210	Trigonometry	3
	Total Credits	**14**

3rd Semester		Credits
CHEM-2510	Organic Chemistry I (and lab)	4
PHYS-1300	Physics I (and lab & recitation)	5
PSYC-1810	Introduction to Psychology	3
	Oral Communication GE elective	3
	Total Credits	**15**

4th Semester		Credits
CHEM-2520	Organic Chemistry II (and lab)	4
PHYS-1350	Physics II (and lab & recitation)	5
	Social science and humanities GE electives	6
	Total Credits	**15**
	Total AS Credits	**62**

(Pre) Computer Science

AS.1199A (64 Credits)
Associate of Science
Alliance • Scottsbluff • Sidney

This program provides students with the background necessary for further study in computer science, typically leading to a baccalaureate degree in computer science, computer engineering, computer information systems, or a related field. This program acquaints students with the principles and practices of algorithmic design, programming, programming languages, and operating systems. These principles prepare students with practical and theoretical knowledge to apply to the remainder of a baccalaureate degree program.

Objectives

- Provide coursework for the first two years of a baccalaureate degree in computer science, computer engineering, programming, or computer information systems.
- Provide a basis for student understanding of the principles, concepts, and theories that effect computer science, programming, and information systems by offering specific application, programming, and computer information systems courses.
- Promote and help students develop lifelong learning skills needed for professional and personal growth.

Notes

- This program is also available online.
- Students who plan to transfer to a four-year college or university should consult their faculty advisor early in their WNCC career to determine a curriculum that best suits their transfer goals.