INFO-1400	Networking Essentials	3
INFO-2426	Linux	3
INFO-2450	Windows Server	3
INFO-2600	CyberSecurity Essentials	3

Optional Core Requirements　　6 credits

Total AA Requirements　　62-63 credits

Information Technology Option (AA)

AA.1199A (63 Credits)

Additional six (6) credits required courses (selected from the following):

Class		Credit
INFO-1360	Visual C#	3
	or	
INFO-1510	Introduction to Robotics	
INFO-2040	SQL Database Design and Management	3
	or	
INFO-2275	Project Management	

CyberSecurity Option (AA)

AA.1199C (63 Credits)

Additional six (6) credits required courses:

Class		Credit
INFO-1360	Visual C#	3
INFO-2275	Project Management	3

Recommended Plan of Study

1st Semester (fall)		Credits
ENGL-1010	English Composition I	3
INFO-1241	IT Technical Support	3
INFO-1242	IT Hardware Support	3
MATH-1150	College Algebra (or higher)	4
PRDV-1010	Achieving College Success	3
	Total Credits	**16**

2nd Semester (spring)		Credits
ENGL-1020	English Composition II	3
INFO-1097	Electronic Communications (Outlook)	1
INFO-1100	Microcomputer Applications	3
	or	
INFO-2000	Advanced Microcomputer Applications	
INFO-1400	Networking Essentials	3
INFO-1360	Visual C#	3

	Social Science GE elective	3
	Total Credits	**16**

3rd Semester (fall)		Credits
INFO-1040	Database (Access)	3
INFO-2450	Windows Server	3
INFO-2600	CyberSecurity Essentials	3
	Humanities GE elective	3
	Oral Communication GE elective	3
	Total Credits	**15**

4th Semester (spring)		Credit
INFO-2275	Project Management	3
INFO-2426	Linux	3
	Humanities GE requirement	3
	Lab Science GE requirement	4
	Social Science GE requirement	3
	Total Credits	**16**
	Total AA Credits	**63**

Mathematics

AS.2701A (63 Credits)
Associate of Science
Alliance • Scottsbluff • Sidney

This emphasis area prepares the student for transfer to a four-year college or university to major in mathematics. This area provides the foundation upon which the disciplines of physics and engineering are built.

Objectives

- Provide students with the basics of trigonometry, analytic geometry, single variable calculus, and multivariable calculus.

Notes

- Students who plan to transfer to a four-year college or university should consult their faculty and transfer advisor early in their WNCC career to determine a curriculum best suited to their transfer goals.

- In addition to the general education requirements for the AS degree, 25 credits of core courses and 17 credits of technical electives are required for the degree.

- 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 be aware that the courses included in the core requirements and recommended electives will be required by receiving institutions at some point in their journey to the bachelor's degree.

Core Requirements (25 credits)

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

Class		Credits
ENGR-1020	Programming & Problem Solving	3
MATH-1600	Analytic Geometry & Calculus I	5
MATH-2150	Calculus II	5
MATH-2170	Applied Statistics	3
MATH-2200	Calculus III	5
	Science elective	4

Technical Electives

Technical electives should come from the following list or be approved by the chair of the Division of Math and Science.

Class		Credits
BIOS-1010	General Biology (and lab)	4
BIOS-2120	Genetics (and lab)	4
BIOS-2250	Human Anatomy & Physiology I (and lab)	4
BIOS-2260	Human Anatomy & Physiology II (and lab)	4
BIOS-2460	Microbiology (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
ENGR-2010	Introduction to Circuits and Electronics	3
ENGR-2020	Statics	3
MATH-2210*	Applied Differential Equations	3
PHYS-1070	Astronomy	4
PHYS-2400	Physics I with Calculus (and lab)	5
PHYS-2450	Physics II with Calculus (and lab)	5

*Recommended

Recommended Plan of Study

1st Semester		Credits
ENGL-1010	English Composition I	3
MATH-1600	Analytic Geometry and Calculus I	5
PRDV-1010	Achieving College Success	3
	Lab Science GE elective	4
	Social Science GE elective	3
	Total Credits	**18**

2nd Semester		Credits
ENGL-1020	English Composition II	3
ENGR-1020	Program and Problem Solving	3
MATH-2150	Calculus II	5
MATH-2170	Applied Statistics	3
	Total Credits	**14**

3rd Semester		Credits
MATH-2200	Calculus III	5
	Technical elective	4
	Humanities GE elective	3
	Oral Communication GE elective	3
	Total Credits	**15**

4th Semester		Credits
	Technical electives	13
	Elective	3
	Total Credits	**16**
	Total AS Credits	**63**

Medical Laboratory Technician

AAS.5110 (79 Credits)
Associate of Applied Science
Scottsbluff

The Medical Laboratory Technician (MLT) Program prepares students to function as medical laboratory technicians who perform a wide a wide range of routine and complex clinical laboratory procedures associated with blood and body-fluid analysis. These procedures play an important role in the detection, diagnosis, and treatment of many diseases and in the promotion of health. A medical laboratory technician assesses the reliability/accuracy of the testing, maintains and operates diagnostic equipment, evaluates patient results, prepares analytical reagents and controls, troubleshoots problems with specimens/analyzers, and performs other duties.

The medical laboratory technician curriculum includes a combination of general education courses, online lectures, face-to-face student laboratory sessions, and clinical experiences in a hospital or clinic. The courses must be completed within the time-frame shown in the recommended plan of study, and students in this program are required to be enrolled full-time. Upon successful completion of the prescribed program, the student is eligible to take an examination for national professional