

PHYS-1300	Physics I (with lab & recitation)	5
PHYS-1350	Physics II (with lab & recitation)	5

**Recommended electives or courses required for transfer (9 credits):**

Class		Credits
BIOS-1160	Intro to Human Anatomy & Physiology (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-1010	General Biology (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
<b>Total Credits</b>		<b>18</b>

2nd Semester		Credits
BIOS-1380	General Zoology (and lab)	4
CHEM-1100	General Chemistry II (and lab)	4
ENGL-1020	English Composition II	3
MATH-1210	Trigonometry	3
	Humanities GE elective	3
<b>Total Credits</b>		<b>17</b>

3rd Semester		Credits
BIOS-2120	Genetics (and lab)	4
CHEM-2510	Organic Chemistry I (and lab)	4
PHYS-1300	Physics I (and lab)	5
	Oral Communication GE elective	3
<b>Total Credits</b>		<b>16</b>

4th Semester		Credits
BIOS-2460	Microbiology (and lab)	4
CHEM-2520	Organic Chemistry II (and lab)	4
PHYS-1350	Physics II (and lab)	5
	Social Sciences GE elective	3
<b>Total Credits</b>		<b>16</b>
<b>TOTAL AS Credits</b>		<b>67</b>

## Vocal Performance

**AA.5009 (62 Credits)**

**Associate of Arts**

**Scottsbluff**

This emphasis area offers the first two (2) years of basic music requirements for the baccalaureate degree in Vocal Performance or related programs of study. The non-music courses suggested below meet the requirement for the Associate of Arts degree.

**Objectives**

- Provide the music requirements in music theory and ear training.
- Provide music requirements in applied voice and singer's diction lab for the vocal performance track.
- Provide music requirements in applied keyboard.
- Provide ensemble participation.
- Provide the music requirements in music appreciation.
- Provide options in related areas of study.
- Provide options for music minor participation.

## Program Requirements

**AA General Education Core 32 credits**

**Vocal Performance Core 28 credits**

Class		Credits
MUSC-1120	Applied Music: Keyboard I	1
MUSC-1130	Applied Music: Keyboard II	1
MUSC-1141	Applied Music: Voice I for the Music Major	2
MUSC-1141L	Applied Music: Diction Lab for Singers I	1
MUSC-1151	Applied Music: Voice II for the Music Major	2
MUSC-1151L	Applied Music: Diction Lab for Singers II	1
MUSC-1200	Collegiate Chorale (4 semesters)	4
MUSC-1455	Music Theory I	3
MUSC-1455L	Music Theory Lab I	1
MUSC-1475	Music Theory II	3
MUSC-1475L	Music Theory Lab II	1
MUSC-2141	Applied Music: Voice III for the Music Major	2
MUSC-2151	Applied Music: Voice IV for the Music Major	2
MUSC-2455	Music Theory III	3

MUSC-2455L	Music Theory Lab III	1
<b>Total AA Credits</b>		<b>60 credits</b>

## Recommended Plan of Study

<b>1st Semester</b>		<b>Credits</b>
ENGL-1010	English Composition I	3
MUSC-1120	Applied Music: Keyboard I	1
MUSC-1141	Applied Voice I for Music Major	2
MUSC-1141L	Applied Music: Diction Lab for Singers I	1
MUSC-1200	Collegiate Chorale	1
PRDV-1010	Achieving College Success	3
	Oral Communication GE elective	3
<b>Total Credits</b>		<b>14</b>
<b>2nd Semester</b>		<b>Credits</b>
ENGL-1020	English Composition II	3
MUSC-1010	Music Appreciation	3
MUSC-1151	Applied Voice II for the Music Major	2
MUSC-1151L	Applied Music: Diction Lab for Singers II	1
MUSC-1200	Collegiate Chorale	1
MUSC-1455	Music Theory	3
MUSC-1455L	Music Theory Lab I	1
	Social Sciences GE elective	3
<b>Total Credits</b>		<b>17</b>
<b>3rd Semester</b>		<b>Credits</b>
MUSC-1130	Applied Music: Keyboard II	1
MUSC-1200	Collegiate Chorale	1
MUSC-1475	Music Theory II	3
MUSC-1475L	Music Theory II Lab	1
MUSC-2141	Applied Voice III for the Music Major	2
	Humanities GE Elective	3
	Lab Science GE elective	4
<b>Total Credits</b>		<b>16</b>
<b>4th Semester</b>		<b>Credits</b>
MATH-1150	College Algebra (or higher)	4
MUSC-1200	Collegiate Chorale	1
MUSC-2151	Applied Voice IV for the Music Major	2
MUSC-2455	Music Theory III	3
MUSC-2455L	Music Theory III Lab	1
	Social Sciences GE elective	3
<b>Total Credits</b>		<b>15</b>
<b>TOTAL AA Credits</b>		<b>62</b>

## Welding Technology

Associate of Applied Science

Diploma

Certificate

Scottsbluff

Welding programs at WNCC offer students the necessary training and technical information required for employment in the welding industry. The curriculum provides training in a variety of welding skill areas.

### Technical Standards

- Perform successfully safety inspections of and make minor external repairs to equipment and accessories.
- **Shielded Metal Arc Welding**
  1. Demonstrate competency in setting up and operating equipment for Shielded Metal Arc Welding on plain carbon steel.
  2. Demonstrate proficiency in fillet and groove welds, all positions, on plain carbon steel.
  3. Successfully perform 2G – 3G limited thickness qualification tests on plain carbon steel plate.
- **Gas Metal Arc Welding**
  1. Demonstrate competency in setting up and operating equipment for Gas Metal Arc Welding on plain carbon steel.

Short Circuit Transfer

  2. Demonstrate proficiency in fillet and groove welds, all positions, on plain carbon steel.

Spray Transfer

  3. Successfully perform 1F – 2F and 1G welds on plain carbon steel plate.
- **Flux Cored Arc Welding**
  1. Demonstrate competency in setting up and operating equipment for Shielded Metal Arc Welding carbon steel.
  2. Demonstrate proficiency in fillet and groove welds, all positions, on plain carbon steel.
  3. Successfully perform 2G – 3G limited thickness qualification tests on plain carbon steel plate.
- **Gas Tungsten Arc Welding**
  1. Demonstrate competency in setting up and operating equipment for Gas Metal Arc Welding operations on plain carbon steel and aluminum.
  2. Demonstrate proficiency in fillet and groove welds, all positions, on plain carbon steel.
  3. Successfully perform 1F – 2F and 1G welds on aluminum.