

**START YOUR  
JOURNEY**



**SCOTTSBLUFF HIGH SCHOOL**

# **REGISTRATION GUIDE 2024-2025**

Scottsbluff High School  
313 East 27th Street, Scottsbluff, NE 69361  
308.635.6230 [www.sbbs.net/shs](http://www.sbbs.net/shs)



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### Combined Non-Discrimination Notice

The Scottsbluff Public School District does not discriminate on the basis of race, color, national origin, sex, disability, or age in its programs and activities, and it provides equal access to the Boy Scouts and other designated youth groups. The following people have been designated to handle inquiries regarding the non-discrimination policies: Andrew Dick, Superintendent or Wendy Kemling, Executive Director of Student Services

1722 1st Avenue  
Scottsbluff , NE 69361  
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**Registration Information**  
 Graduation Requirements  
 270 Credit Hours Needed for Graduation

Content Areas	Credit Hours
<b>Career Academy</b> Pre-Academy Course(s) Career Academy or Pathway Courses ★ Successful completion of two Foundational Career Academies OR one Foundational Career Academy AND one Specialized Academy Pathway is required for graduation. ★ Courses may count toward completion of both Career Academy and core content requirements.	70 total 10 60
<b>English</b> English 9 or Honors English 9 English 10 or Honors English 10 English Electives	40 total 10 10 20
<b>Math</b> Algebra I Geometry Math Elective(s)	30 total 10 10 10
<b>Science</b> Physical Science Biology Science Electives	30 total 10 10 10
<b>Social Sciences</b> Geography/World History American History Electives American Government Social Sciences Elective	30 total 10 10 5 5
<b>Physical Education</b>	10 total
<b>Personal Finance</b>	5 total
<b>Computer Science and Technology *Beginning with the class of 2028</b>	5 total

Scottsbluff High School provides equal and open access for disadvantaged and handicapped students to regular programs including career and technical education and internships/job-shadows. Scottsbluff High School has eight courses scheduled per day throughout the semester. Each course holds a value of five credits per semester. Some classes are blocked, combining two class periods, and hold a value of ten credits per semester or five credits per quarter. Credits are awarded upon successful completion of courses.

**Credit requirements:** Students are classified by their graduation year. Those students not meeting the following credit requirements will be considered under “Academic Probation” and not on track for graduating with their class.

Sophomores	65 credit minimum
Juniors	125 credit minimum
Seniors	186 credit minimum

## Registration Procedures

1. Scottsbluff High School presently operates under an "Open Campus" policy for 11th and 12th grade students. This simply means that during a free period and over the lunch period, the individual has the authority to remain and study in the building with administrative approval or leave campus. Any junior or senior enrolled in a Zero Hour class, any junior or senior enrolled in one or more courses on the WNCC Campus, and any senior who has earned 210 or more credits after their junior year may be allowed an "Open" period in their schedules. Students who choose to remain in the building during an "Open" period are expected to be in the student niche area, the Media center, or the cafeteria. There is to be no loitering in the halls. Those who choose to leave the campus must accept the responsibility to return in time for all later classes. Missing or reporting late for classes after voluntarily leaving the campus may result in a truancy being registered or loss of other campus privileges. In such cases, any students leaving the campus and then returning to class late, must report to the office before going to class.
2. Students entering high school should plan the courses they expect to take in each of their four years of high school. Even though changes may be made later, students are encouraged to plan a four-year program so that graduation requirements will be met and a well-rounded program will be developed to meet post-secondary goals, interests, abilities, and needs.
3. Students are urged to read the course descriptions. If a course requires a prerequisite, this information will be found in the course description. Students should register only for those courses they fully intend to complete.
4. Students adding or dropping a class must do so within the first five school days of the semester in which the course starts. Adds or drops after the five-day period must be coordinated through an administrator/school counselor and drops will result in an "F-0%" on the student's permanent record.
5. When a request is made for a schedule change within the first five school days of the semester which alters the coursework originally scheduled, the student will be required to have the request sheet signed by the teacher. If a year-long course is changed, the parent/guardian and teacher will sign the "Request to Change" form.
6. Students must attend the originally scheduled course until the course has been officially dropped and paperwork has been completed.
7. Any student considering a mid-year graduation must request a personal meeting with the Principal. In addition, the student and parent must submit a written request and meet all qualifications outlined in Board Policy 5206. The documents may be obtained from the student's grade-level school counselor and must be submitted to the Principal by October 1st of the student's senior year.
8. For policies regarding dual credit courses through WNCC, please read "WNCC Guidelines" in the Registration Guide.

## Transfer Credits for New to Scottsbluff High School Enrollments

- As an accredited school, Scottsbluff High School will accept transfer credit from state-accredited schools in order to ensure appropriate academic placement of incoming students based on the following procedures:
  - Transfer credits from accredited schools will be considered on a course-by-course basis and will be considered for approval by the high school principal or school counseling designee at Scottsbluff High School.
  - Transfer credits from non-accredited schools (exempt school) may be considered on a course-by-course basis with documentation of a transcript, curriculum, and completed course work provided for review. Credits will not be counted until fully approved by Scottsbluff High School Administration.
- Approval for both accredited and exempt school courses will be evaluated for transfer credit based on the following criteria:
  - Length of enrollment in previous school setting(s)
  - Course content that meets or exceeds Nebraska State Standards and Scottsbluff Public Schools Standards and Indicators
  - Successful completion of course requirements including receipt of a passing grade as indicated on the incoming transcript
- Course grades, including weighted grades, from other school districts will be applied only as defined in Scottsbluff Public Schools policy.
- Credits awarded for successful completion from previous school setting(s) will be converted to align with the credit system utilized by Scottsbluff Public Schools.
- Upon approval, courses will be placed on the Scottsbluff High School transcript under the name of the credit-awarding institution following the format of Scottsbluff Public Schools.



## Verified Learning Disability Requirements

For students who are verified with a disability according to the Individuals with Disabilities in Education Act (IDEA) and Nebraska Rule 51, the Individualized Education Program (IEP) team will determine, on an individualized basis, the student's course of study for his/her graduation requirements.

## Career Academies

SHS offers a wall-to-wall Career Academy program. Part of the vision at Scottsbluff Public Schools is to "Empower our students of today to successfully meet the challenges of tomorrow." In order to accomplish this vision, Scottsbluff High School seeks to ensure that all students are college and career ready. All students attending Scottsbluff High School will participate in at least one Career Academy during their high school career. Career Academy schools demonstrate increases in graduation rates and attendance, lower discipline referrals, and strengthened work-readiness skills. Students participating in career academies are just as likely to attend college and are more likely to maintain a career post-graduation. The following Career Academy guidelines have been created to establish career readiness:

- **Freshmen & Sophomores:** Complete a total of 10 credits of Pre-Career Academy courses.
  - Pre-Career Academy courses are introductory courses that align specifically to one of the six Career Academy options. These courses are designed to expose students to the many career path options available within each Career Academy.
- **Juniors:** Select a Career Academy and complete required Foundational Career Academy credits.
  - Foundational Career Academy courses are intermediate courses that begin to narrow focus toward individual careers. One of the three courses will be an academic (core) course that aligns with the other career courses within the academy.
- **Seniors:** Complete a second Foundational Career Academy or a Specialized Academy Pathway.
  - Students selecting a second Foundational Career Academy will select a different academy from the one selected their junior year.
  - Students selecting a Specialized Academy Pathway must have successfully completed the preceding Foundational Career Academy.
  - Students enrolled in a Specialized Academy Pathway will receive instruction and skills that align specifically to post-secondary degree programming or workforce entry-level positions. Specialized Academy Pathways include opportunities for earning dual-credit or industry-recognized certifications. Many Specialized Academy Pathways will require attendance at WNCC for one or more courses. These pathways are designed to create a seamless transition into post-secondary education or the workforce. Specialized courses include both academic and career education courses.

## CATS

- CATS is a one-credit, 25-minute, quarter-long course. All students will be enrolled in one CATS class per quarter throughout the school year.
- **Freshmen:** All freshmen are assigned to a semester-long High School Success CATS course. During this time, students will learn skills necessary for high school completion. Students will learn content relating to academic support, social/emotional learning, and a variety of other topics.
- **Juniors:** Junior students will be required to take one quarter of the OnToCollege ACT Prep course.
- Other CATS options may include academic support courses, Career Student Organization courses, AP Test Prep, or other special interest topics.
- CATS courses will not be included in a student's GPA. Credit will be awarded on a Satisfactory/Unsatisfactory basis and is determined by participation, attendance, and completion of specific tasks.

## Education Plan

Students will complete a plan during freshman year and will revisit their plan each year with their school counselor with the goal of graduation. Students will create plans that match both their career and academic goals. Students should utilize the planning guide, graduation requirements, course descriptions, and career academy sequencing charts to meet their graduation goals.

- **Notes:**
  - Scottsbluff High School provides a zero hour in addition to the eight-period school day.
  - Dual-credit courses count toward both high school and college credit.

- The planning guide demonstrates course choices and does not reflect the periods the actual courses will be taught. The Master Schedule will be created in the best interest of all Scottsbluff High School students.
- Those interested in attending a four-year college are encouraged to take a minimum of two years of a World Language.

### 9th Grade Schedule

Semester 1		Semester 2	
1	Algebra I or Higher	1	Algebra I or Higher
2	Physical Science or Biology	2	Physical Science or Biology
<b>CATS</b>	High School Success	<b>CATS</b>	Elective
3	English 9 or Honors English 9	3	English 9 or Honors English 9
4	Geography/World History	4	Geography/World History
5	Pre-Career Academy Course	5	Pre-Career Academy Course
6	Physical Education	6	Physical Education
7	Elective or IT Fundamentals	7	Elective or IT Fundamentals
8	Elective	8	Elective

\*Students may substitute Physical Education for another class to avoid scheduling conflicts.

### 10th Grade Schedule

Semester 1		Semester 2	
1	Geometry or Higher	1	Geometry or Higher
2	Biology or Higher	2	Biology or Higher
<b>CATS</b>	Elective	<b>CATS</b>	Elective
3	English 10 or Honors English 10	3	English 10 or Honors English 10
4	Social Science Elective	4	Social Science Elective
5	Pre-Career Academy Course	5	Pre-Career Academy Course
6	Elective or IT Fundamentals	6	Elective or IT Fundamentals
7	Elective	7	Elective
8	Elective	8	Elective

**11th Grade Schedule**

<b>Semester 1</b>		<b>Semester 2</b>	
<b>1</b>	Foundational Career Academy	<b>1</b>	Foundational Career Academy
<b>2</b>	Foundational Career Academy	<b>2</b>	Foundational Career Academy
<b>CATS</b>	Elective or OnToCollege ACT Prep	<b>CATS</b>	Elective or OnToCollege ACT Prep
<b>3</b>	Foundational Career Academy (Core)	<b>3</b>	Foundational Career Academy (Core)
<b>4</b>	Algebra 2 or Elective Math	<b>4</b>	Algebra 2 or Elective Math
<b>5</b>	English Elective or AP English Language	<b>5</b>	English Elective or AP English Language
<b>6</b>	Social Studies Elective or AP US History	<b>6</b>	Social Studies Elective or AP US History
<b>7</b>	Science Elective	<b>7</b>	Science Elective
<b>8</b>	Personal Finance or Elective	<b>8</b>	Personal Finance or Elective

\*The Foundational Career Academy (Core) will replace one of the students' core graduation requirements allowing the student to replace the core requirement with an elective.

**12th Grade Schedule**

<b>Semester 1</b>		<b>Semester 2</b>	
<b>1</b>	Specialized or Foundational Career Academy	<b>1</b>	Specialized or Foundational Career Academy
<b>2</b>	Specialized or Foundational Career Academy	<b>2</b>	Specialized or Foundational Career Academy
<b>CATS</b>	Elective	<b>CATS</b>	Elective
<b>3</b>	Specialized or Foundational Career Academy (Core)	<b>3</b>	Specialized or Foundational Career Academy (Core)
<b>4</b>	American Government or Elective	<b>4</b>	American Government or Elective
<b>5</b>	English Elective or AP English Language	<b>5</b>	English Elective or AP English Language
<b>6</b>	Elective	<b>6</b>	Elective
<b>7</b>	Elective	<b>7</b>	Elective
<b>8</b>	Elective	<b>8</b>	Elective

\*Social Science elective requirements may be satisfied either in Grade 11 or Grade 12.

\*\*Personal Finance may be taken in either Grade 11 or Grade 12 to meet graduation requirements. This requirement has been placed in grade 12 for the purposes of the planning guide.

\*\*\*American Government will be completed during grade 12 unless extenuating circumstances allow it to be taken earlier.



### Academic Honors

#### **Class Ranking, Grade Point Average, and Graduation Recognition (from Board Policy 5205, 5003, 5204)**

The official grade point average (GPA) of graduating students is based on a minimum of eight semesters of studies in order to allow students sufficient opportunity for demonstrating achievement. In-progress GPAs will be sent to colleges and universities who request information for admission. Following graduation, the official GPA will be furnished to post-secondary institutions upon request. Students approved and who complete early graduation requirements will receive their official GPA based upon completed semesters. Scottsbluff Public Schools utilizes the Laude Recognition System for recognizing graduates of Scottsbluff High School. In order to be recognized, seniors must meet the following criteria:

#### **Summa Cum Laude**

4.0 Grade Point Average or above

#### **Magna Cum Laude**

3.9-3.99 Grade Point Average

#### **Cum Laude**

3.75-3.89 Grade Point Average

#### **Grade Point Average**

The cumulative grade point average (GPA) of a student at the end of eight semesters of high school will be used to determine graduation honors as computed by the Scottsbluff High School Counseling Office. Graduation Honors are calculated using a weighted GPA scale. Only Advanced Placement (AP) and designated Dual-Credit courses offered through Scottsbluff Public Schools will be used for weighting purposes. Transfer students may use AP courses from the school of origination in the weighting process. In order to be eligible for graduation honors, a student must complete all Scottsbluff High School graduation requirements and must be registered as a full-time Scottsbluff High School student (20 credits per semester) during their entire senior year. For further information on the weighting process, see the table below along with identified courses to be weighted.

#### **Weighted Scale**

<b>Grade</b>	<b>Regular Points</b>	<b>Weighted Points</b>
<b>A 90-100</b>	<b>4.0</b>	<b>5.0</b>
<b>B 80-89</b>	<b>3.0</b>	<b>4.0</b>
<b>C 70-79</b>	<b>2.0</b>	<b>3.0</b>
<b>D 60-69</b>	<b>1.0</b>	<b>2.0</b>

#### **Weighted Courses**

<b>AP Chemistry</b>	<b>AP Statistics</b>	<b>AP English Language and Composition</b>
<b>General Biology</b>	<b>College Algebra</b>	<b>Composition 1</b>
<b>Principles of Marketing</b>	<b>AP Precalculus</b>	<b>Composition 2</b>
<b>AP Calculus AB</b>	<b>AP Calculus BC</b>	<b>AP US History</b>
<b>AP Spanish</b>		

\*If additional AP courses are added, they will be added to the list of weighted courses.

**Honor Roll Standards**

Honor Roll students will be designated at the end of the semester. Honor Roll students must carry a minimum of 25 credit hours of graded coursework to be eligible for the Honor Roll. Students receiving credit through alternative education are not eligible for Honor Roll recognition. Honor Roll students are distinguished by the following GPA benchmarks as calculated on an unweighted grade scale:

Superintendent’s Honor Roll – 4.0  
Principal’s Honor Roll – 3.5-3.99

**National Honor Society**

Students in grades 10-12 who are in good standing at Scottsbluff High School are eligible for induction into the National Honor Society. In addition to the scholastic requirement of an unweighted cumulative 3.5 grade point average each student must perform a minimum of 20 hours of community service, and they must demonstrate strong leadership and character to be eligible for National Honor Society. Once selected, the minimum grade point average and 10 hours of community service per year must be met to maintain membership. Furthermore, all members must remain in good standing with the rules and regulations of Scottsbluff Public Schools. All National Honor Society graduates will receive a gold cord to wear at the graduation ceremony.

**Career Academy Honors**

All students completing a Specialized Career Academy Pathway with a grade of “B” or better in all Foundation and Specialized Academy course requirements will receive a Certification of Achievement and a colored cord to wear at graduation aligned to their specific Career Academy.

**Career Academy and Specialized Programming**

Agriculture, Food, & Natural Resources	Business, Marketing, & Management	Communication, Arts, & Technology	Health Science	Human Science & Education	Skilled & Technical Science
<b>Pathway Options</b>					
Animal & Vet Science	Business Administration	Graphic & Digital Design	Nursing	K-12 Education	Auto Body
Agribusiness	Business Technology	Journalism & Broadcasting	Health Information	Early Childhood Education	Auto Technology
Plant & Environmental Science	Hospitality & Tourism	Visual & Performing Arts	Medical Specialties & Technology	Human Services	Construction <ul style="list-style-type: none"> <li>• Electrical</li> <li>• HVAC</li> <li>• Heavy Equipment</li> </ul>
Ag Tech	Marketing & Entrepreneurship		Pre-Medicine	Criminal Justice & Law	Manufacturing
Welding	Cosmetology				Pre-Engineering
					Diesel Technology
<b>Student Organizations</b>					
FFA Math Club	DECA Prostart Math Club	One Act Speech Journalism Band Choir Orchestra Math Club	HOSA Math Club	EdRising FCCLA Mock Trial Math Club	Skills USA Math Club

### **Career and Technical Student Organizations (CTSO)**

All students will have the opportunity to join a CTSO within their selected Career Academy. CTSOs are student-led organizations that promote and provide learning, leadership, networking, work-readiness skills, service learning, and opportunities for regional, state, and national competitions.

### **Internships**

All seniors will be eligible to apply for an internship. Students may receive up to 10 credits toward their Career Academy graduation requirements with successful completion of their internships. Students registering for an internship will be assigned an employer based on their Career Academy. Seniors completing Specialized Career Pathways will receive priority of placement over students enrolled in Foundational Career Academies. Prior to students entering the internship, students must fill out an application, present a resume, and interview with the internship coordinator. Internships may be paid or unpaid based on employer agreement.

### **Air Force Junior ROTC (AFJROTC)**

The mission of AFJROTC is to "Develop citizens of character dedicated to serving their nation and community." AFJROTC is not an USAF accessions program and cadets are never under any obligation to join the military. AFJROTC is a Title 10 US Code mandated citizenship training program that is designed to educate and train high school cadets in citizenship, community service, personal responsibility, character, and self-discipline. The program achieves this through classroom education in air and space fundamentals and hands-on learning opportunities in a number of fun and challenging extra-curricular activities.

The AFJROTC program is grounded in the Air Force core values of "integrity first, service before self, and excellence in all we do." Students enrolled in the AFJROTC will be required to take one year-long course along with participating in events such as drill and color guard for each year of participation. If students are interested in the program, they will visit with their school-assigned counselor at the time of registration. Please visit the AFJROTC website for more information at <http://www.airuniversity.af.mil/Holm-Center/AFJROTC/>.

Students may count AFJROTC as part of their Pre-Career Academy graduation requirements. Students enrolled in more than two years of AFJROTC may count their third and fourth year of enrollment toward the Foundational Career Academy and Specialized Program of Study graduation requirements.

**CHOICES Community Outreach:** This is a full-year double-period specialty program created only for those 10th - 12th grade students who are in the CHOICES program. This class will encompass the chief tenets of CHOICES: responsibility, accountability, preparation, relationships, and service.

Responsibility & Accountability: Students are expected to engage in all classes and activities by being responsible for themselves and accountable to others. They will develop a personal code of ethics, behave in a manner that reflects favorably on the program and themselves, and maintain academic and attendance eligibility.

Students may apply to participate in the CHOICES LeaderBoard CATS which consists of CHOICES students who will collaboratively plan and organize service-learning projects, college visits, various tours, and all other events. Positive student behavior, passing grades, and meeting attendance guidelines will be required to remain on the LeaderBoard.

Preparation: Students are expected to be involved with all CHOICES activities such as college & industry tours, class projects, and trips. Each student must complete one career interview, two full-shift job shadows, and one sixty-hour internship.

Relationships: Developing a solid foundation of positive and healthy relationships is one of the key benefits of the CHOICES small, close-knit environment. CHOICES has a Fall Intensive camping trip in August and another one-day Intensive in January. Personal development and team building are the focus of the Intensives.

Along with the Intensives, the Community Outreach course is designed to continue relationship-building skills.

Service: Volunteerism is how CHOICES represents itself in the community. Service projects during the school day are required for all eligible CHOICES students. Service projects outside of the school day are voluntary with a commitment of signing up. Every CHOICES student must earn at least 10 volunteer hours per semester.

All outreach, activities, and projects are mandatory assessment grades. Alternative assessments will be required for students who are ineligible to participate. Successful eligibility and regular attendance become critical for participation, for earning passing grades, and for membership in CHOICES.



Credits: Students may utilize CHOICES Community Outreach credits as Career Academy credits. Students may still elect to enroll in a Career Academy.

Contact Mrs. Sue Herdt – [sherdt@sbps.net](mailto:sherdt@sbps.net) – for more information.

### **Project Lead the Way (PLTW)**

Project Lead The Way (PLTW) is the nation’s leading provider of K-12 Science, Technology, Engineering, and Math (STEM) programs. PLTW is a rigorous curriculum that provides a comprehensive approach to STEM education. Through activity, project, and problem-based curriculum, PLTW gives high school students the opportunity to apply what they know, identify problems, find unique solutions, and lead their own learning. Students enrolling in courses with PLTW curriculum must be prepared to complete a challenging curriculum taught at an advanced level. These courses are strongly encouraged for students interested in Engineering or Medical Careers.

### **Advanced Placement Courses**

The College Board Advanced Placement (AP) courses are college-level classes offered in a variety of subjects that students can take while still in high school. They offer challenging coursework and provide rigorous preparation for future college-level course credit. Students wanting to receive college-course credit must take the AP course exam in May and earn a score acceptable for transferability. Visit [www.apcentral.collegeboard.com](http://www.apcentral.collegeboard.com) for more information on AP course information, tests, college credit and transferability, or visit with a high school counselor.

AP Chemistry	AP English Language and Composition	AP US History
AP Pre-Calc	AP Calculus AB	AP Spanish
AP Calculus BC	AP Statistics	

### **Edgenuity**

Edgenuity is an online curriculum with a variety of course offerings available for specified students. Edgenuity is utilized for Credit Recovery, students in transition, supplemental coursework, or as curriculum for alternative learning placements. Students are only placed in Edgenuity courses by their grade-level school counselor with administrative approval. Most of the Edgenuity courses meet the minimum requirements for NCAA eligibility. Students wishing to participate in collegiate sports affiliated with the NCAA should visit with their school counselor prior to enrolling in an Edgenuity course.

### **Dual Credit Courses**

While attending Scottsbluff High School, students will have many opportunities to take dual-credit courses at the SHS campus and the WNCC campus; other options may include Chadron State College (online), Nebraska College of Technical Agriculture (online), and the College of Agricultural Science and Natural Resources through the University of Nebraska-Lincoln (online). While taking dual-credit courses, students will be expected to abide by the guidelines of both the dual credit institution and Scottsbluff High School. Students taking dual credit courses on SHS campus with an SHS instructor will conclude their dual-credit course at the time consistent with the college finals timeline. However, the time of completion can be no sooner than one week prior to the end of the SHS semester. Once the final is completed, the students will be provided an open period in lieu of their regularly scheduled course.

## Dual-Credit and Post-Secondary Planning

### WNCC Guidelines

#### Registration

WNCC registration for high school students takes place in March/April for fall classes and in October/November for spring classes. The registration process involves meeting with school counselors and WNCC college advisors. In order to register, students must complete a WNCC registration form and an SHS contract for college course enrollment. Information for completion of this process will take place prior to registration for WNCC classes.

#### Basic Skills Assessment

Either the ACT, SAT, or the ACCUPLACER test is used for placement in courses requiring an assessment score prerequisite. The test is administered to

- Students enrolling in English or Mathematics courses
- Students enrolling in courses with English, Reading, or Math prerequisites

High school counselors have a parameter sheet explaining the scores needed for college class entrance requirements.

#### WNCC Academic Probation and Suspension

Students are considered to be making satisfactory progress if they have a college GPA of 2.00 (70%) or higher. The purpose of academic probation is to warn students of their unsatisfactory academic progress. Academic probation may also pose a problem in obtaining financial aid for college after high school. Students are placed on academic suspension after they are on probation for one semester and satisfactory academic progress has not been made.

#### WNCC Portal

Each student taking a college class will log into their WNCC portal. To log in, a student will go to [www.wncc.edu](http://www.wncc.edu), then click on MyWNCC in the upper right hand corner of the page. If students are taking a class on the WNCC campus, it is important to get logged onto the portal as quickly as possible as classroom materials will be accessed through Blackboard. Students can view their schedule, instructor's name, grades, and request transcripts on the portal. See your school counselor or a WNCC advisor for further information.

#### Family Educational Rights and Privacy Act (FERPA)

FERPA is a federal law that protects the privacy of student education records. FERPA gives parents certain rights with respect to their children's education records at elementary and secondary schools that are subject to FERPA's requirements. These rights transfer to the student when he or she attends a postsecondary institution at any age. Under FERPA, an eligible student must provide a signed and dated written consent before a school discloses personally identifiable information, such as financial aid records, grades, transcripts, account balance, student conduct, or placement scores from the student's education records. Students should be responsible for knowing the status of their progress. We realize that there may be situations when parents may want to access their son's/daughter's grades. Students have access to grades on their WNCC portal. If parents want access to grades or other personally identifiable information, their son or daughter will need to sign a release of information agreement. This form is found in the portal. Parents wishing to access student information for dual enrollment through SHS will need to work through SHS Infinite Campus for progress monitoring; however, grades and attendance are only updated at semester. Parents wishing for full access will need to access the student's WNCC portal.

#### Academic Help

Any student taking a class through WNCC has access to Supplemental Instructors, paid tutors who have been highly successful in the courses previously, in the Math Center, the Writing Center, and in the department offices for the courses being taken. These centers are typically open during the day and evening.

#### Student Code of Conduct (including Academic Integrity)

Students are encouraged to go on the WNCC website to view the college's policies relating to academic integrity. Students are expected to know and understand the college's policies relating to student conduct and academic integrity and are held accountable for doing so. Please refer to the student handbook found on WNCC's webpage.

**SHS/WNCC Transportation**

All students and parents/guardians must sign a waiver for students attending courses on the WNCC campus indicating their preferred method of transportation, personal or school provided. These forms may be found in the counseling office. Students in need of transportation will be provided transportation through a school provided shuttle service at no additional cost.

**Attendance**

All students attending courses on the WNCC Campus will be required to scan a QR Code, fill out the accompanied Google Form, and submit the Form daily in their WNCC classrooms to account for attendance.

Students enrolled in online, virtual, or face-to-face classes with WNCC instructors are required to follow the WNCC Academic calendar. If SPBS does not have school, students will still need to attend WNCC classes if WNCC is holding class that day. Please refer to the WNCC Academic calendar on WNCC's webpage.

**Drops**

Students who drop a course before the WNCC drop deadline will receive a "W" at WNCC and will take a replacement course at SHS. Those students wishing to participate in an extracurricular activity must enroll in and maintain adequate progress in a credit-recovery course in order to maintain eligibility. If a student drops a course before or after the WNCC drop deadline, they may enroll in a credit-recovery course to replace the grade of the WNCC course on the SHS transcript. If a student does not enroll in and complete a credit recovery course to replace the WNCC course prior to the end of the semester, the student will receive an "F" on the SHS transcript for the dropped course. Students who drop a course after the WNCC drop deadline will automatically receive a failing grade at WNCC. Students who drop a dual-credit course will be responsible for reimbursement of tuition costs to the school district.

**Credits**

Students will earn 5 high school credits for college courses that are worth 2-4 credit hours. Students will earn 10 high school credits for college courses that are worth 6 or more credit hours.

**Grade Replacement**

Students who fail or receive an unsatisfactory grade in a college course may retake the course at their own expense and may replace both their college and high school transcript grade.

**Post-Secondary Planning****Grades and Credits**

In order for a course to be transferable, a student must earn a minimum grade of 70% in a college course as compared to 60% at Scottsbluff High School.

**Transferology and Transfer Nebraska**

Transferology ([www.transferology.com](http://www.transferology.com)) is a nation-wide network designed to help students explore their college transfer options. Students who transfer within the state of Nebraska should visit [transfer.nebraska.edu](http://transfer.nebraska.edu). Grades lower than a "C" on the college level may not transfer to other colleges or apply to a program of study. Students should always contact their future colleges when in doubt.

**Tuition**

Although SBPS will pay tuition, students who qualify for the free and reduced lunch program will apply through the counseling office for the Access College Early Scholarship program (ACES). ACES will apply first to any self-pay classes, then will be used to reimburse tuition fees paid for by SBPS.

**College Transcripts**

Students will be responsible for ordering their own college transcripts to be sent to their intended post-secondary institutions. SHS transcripts identify only high school credits, high school rank, and high school GPA. The SHS senior school counselor gives instructions for this process during final senior meetings each spring.

**NCAA Eligibility**

Students who desire to participate in a college sport at the NCAA level must meet eligibility criteria. It is highly recommended that if a student seeks collegiate participation, maintaining grades and eligibility-based performance must begin in Grade 9. More information on NCAA eligibility can be found at <https://web3.ncaa.org/ecwr3> Grade-level school counselors can help answer additional questions.



# English

Course	Grade Level	Credits	Course	Grade Level	Credits
English 9	9	10	Integrated Literature	11-12	5
Honors English 9	9	10	Contemporary Literature	11-12	5
English 10	10	10	Multicultural Literature	11-12	5
Honors English 10	10	10	Speech	11-12	5
Journalism	10-12	10	AP English	11-12	10
Classic American Literature	11-12	5	Technical Literature**	12	5
War Literature	11-12	5	Workplace Writing**	12	5
Creative Nonfiction	11-12	5	*English Composition 1	12	5
Sports Literature	11-12	5	*English Composition 2	12	5
Dystopian Literature	11-12	5			

\*Indicates dual credit courses.

\*\*Not NCAA Eligibility Approved

<b>120/121</b>	<b>English 9</b>	Credits: 10	Grade 9
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None

In this one-year course, students will refine their skills in essay writing, construct various types of essays, present speeches on various topics throughout the year, and increase their comprehension using various types of literature ranging from classic to contemporary work.

<b>122/123</b>	<b>Honors English 9</b>	Credits: 10	Grade 9
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: 8th Grade Assessment Scores/Teacher Recommendation

This one-year course includes literature from a variety of world authors, composition reinforcing essay structures, research processes and writing, and speeches presented on various topics as assigned throughout the year.

<b>110/111</b>	<b>English 10</b>	Credits: 10	Grade 10
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: English 9

This one-year course includes literature from a variety of world authors, composition reinforcing the essay structures begun in English 9, the research process and writing, and speeches presented on various topics as assigned throughout the year.

<b>112/113</b>	<b>Honors English 10</b>	Credits: 10	Grade 10
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: Honors English 9 and/or 9th Grade Assessment Scores/Teacher Recommendation

This one-year course follows the English 10 curriculum holding students accountable for a higher level of rigor with essays, projects, and more in-depth textual understandings. This course is designed to prepare students for future AP and dual-credit offerings.

<b>160/161</b>	<b>Journalism</b>	Credits: 10	Grade 10-12
Dual-Credit: No	Academy: CAT	Academy Level: Pre-Academy	Prerequisites: None

This one-year course is designed to prepare students to work on the newspaper and yearbook staff the following year. Students will study and write the following types of stories: columns, editorials, entertainment, feature, in-depth reporting, news, and sports. The course will also cover newspaper style and design, all facets of yearbook, digital photography, and advertising. The course will also include regular vocabulary tests.

<b>172/173</b>	<b>Speech</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: BMM, CAT, HSE	Academy Level: Foundational and Specialized	Prerequisites: None

This course will enable students to master the skills required of speaking and listening in today's workplace and society. This course will focus on the organization, preparation, research, and evidence needed for a presentation that is tailored to fit the audience. While this course will be directed toward competitive speech events: Informative, Persuasive, Entertainment, Extemporaneous, Serious, Humorous, Poetry, Program of Oral Interpretation, Duo, and Oral Interpretation of Drama, all students will benefit from the development of speeches and performance of speeches. This course can be used towards one semester of English elective credit towards graduation.

<b>142</b>	<b>Classic American Literature</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: BMM, CAT, HSE	Academy Level: Foundational and Specialized	Prerequisites: English 10
This one-semester course focuses on the characters and themes of classical novels, short stories, and plays with regards to contemporary life. Students will read <i>The Adventures of Huckleberry Finn</i> , <i>The Great Gatsby</i> , and multiple short stories.			

<b>124</b>	<b>War Literature</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: BMM, CAT, HSE	Academy Level: Foundational and Specialized	Prerequisites: English 10
This one-semester course will examine the effects of war on literature, culture, and the human spirit. Students will read and respond to literature about war from the Revolutionary War to Desert Storm. Students will read <i>The Things They Carried</i> , <i>One Day in the Life of Ivan Denisovich</i> , and short works of fiction and nonfiction written by survivors or families of military personnel.			

<b>125</b>	<b>Creative Nonfiction</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: BMM, CAT, HSE	Academy Level: Foundational and Specialized	Prerequisites: English 10
This one-semester course focuses on texts qualifying as nonfiction literature. Students will read and respond to literature through varied writing styles and speaking, in addition, students will create their own creative nonfiction pieces. Students will read <i>The Other Wes Moore</i> by Wes Moore, and multiple short stories and articles.			

<b>126</b>	<b>Sports Literature</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: BMM, CAT, HSE	Academy Level: Foundational and Specialized	Prerequisites: English 10
This one-semester course focuses on how sports have the power to transcend culture, nationality and values. Students will read texts, articles or biographies and be required to respond with several different forms of writing and speaking. Students will also be required to analyze past sports writers and styles. Students will read <i>Friday Night Lights</i> , past and present sports news articles and other sports related novels.			

<b>127</b>	<b>Dystopian Literature</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: BMM, CAT, HSE	Academy Level: Foundational and Specialized	Prerequisites: English 10
This one-semester course focuses on texts qualifying as dystopian literature, or texts that create a seemingly perfect society that is revealed to be dehumanizing, controlling, or frightening. Students will read and respond to literature through varied writing styles and speaking. Students will read <i>Brave New World</i> by Aldous Huxley and <i>Fahrenheit 451</i> by Ray Bradbury.			

<b>128</b>	<b>Integrated Literature</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: BMM, CAT, HSE	Academy Level: Foundational and Specialized	Prerequisites: English 10
<p>This one-semester English elective is designed for juniors and seniors who will not be needing an advanced literature/composition course to meet college entrance requirements. Mostly modern novels, short stories, and theatre will be studied in print, online, and in film, including but not limited to <i>Night</i>, <i>Speak</i>, <i>Black Elk Speaks</i>, and <i>The Pearl</i>. Students will also engage in a variety of written exercises, including three well-developed essays.</p>			

<b>129</b>	<b>Contemporary Literature</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: BMM, CAT, HSE	Academy Level: Foundational and Specialized	Prerequisites: English 10
<p>This one-semester course revolves around texts by more recent authors with diverse themes.. Students will be exposed to different perspectives and backgrounds through text, and they will respond to text through varied writing styles and speaking.</p>			

<b>131</b>	<b>Multicultural Literature</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: BMM, CAT, HSE	Academy Level: Foundational and Specialized	Prerequisites: English 10
<p>This one-semester course revolves around texts by diverse authors with a variety of cultural backgrounds and themes. Students will be exposed to different perspectives and backgrounds through text, and they will respond to text through varied writing styles and speaking. Students will read <i>The Kite Runner</i> by Khaled Hosseini and <i>The House on Mango Street</i> by Sandra Cisneros.</p>			

<b>145</b>	<b>Technical Literature</b>	Credits: 5	Grade 12
Dual-Credit: No	Academy: AFNR, STS	Academy Level: Specialized	Prerequisites: English 10
<p>This one-semester course exposes students to a wide range of texts. Contemporary novels, as well as industrial texts, will be utilized in this course. Reading and communication skills will be emphasized. **This course does not meet NCAA eligibility requirements for English.</p>			

<b>143</b>	<b>Workplace Writing</b>	Credits: 5	Grade 12
Dual-Credit: No	Academy: AFNR, STS	Academy Level: Specialized	Prerequisites: English 10 and 2 elective English courses
<p>This one-semester course familiarizes students with writing strategies most often employed in vocational and technical fields and prepares them for entry-level workforce communication demands. Writing instruction and practice is given in areas such as the development and writing of abstracts or summaries, correspondence, memoranda, job applications, and various short incident, progress, travel, or analytical reports. Evaluative emphasis is placed upon tone, content, format, grammar, and mechanics. **This course does not meet NCAA eligibility requirements for English.</p>			

<b>152/153</b>	<b>AP English Language</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: BMM, CAT, HSE	Academy Level: Foundational and Specialized	Prerequisites: Honors English 10 and/or 10th Grade Assessment Scores/Teacher Recommendation
<p>This one-year class entails analysis of language and rhetoric in fiction and nonfiction literature. Students will read and write a diverse selection of works to demonstrate the mastery of rhetoric and understand the function of language in society. The course emphasizes the expository, analytical, and argumentative writing that is the basis of academic and professional communication as well as the personal and reflective writing that cultivates the development of writing in any context.</p>			

<b>134</b>	<b>English Composition 1</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: AFNR, BMM, CAT, HSE, HS	Academy Level: Specialized	Prerequisites: ACCUPLACER or ACT score
<p>This one-semester dual credit course provides the study of various kinds of thesis-oriented writing such as criticism, reports, reviews, précis &amp; essay. A review of mechanics, usage and style will be given when necessary. This class will prepare students to complete college papers in all subject areas.</p>			

<b>135</b>	<b>English Composition 2</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: AFNR, BMM, CAT, HSE, HS	Academy Level: Specialized	Prerequisites: English Composition 1
<p>This one-semester dual credit course offers further practice in quality writing based on the reading and critical analysis of literature as genre {such as short story, poetry, drama, novel}. In addition, the course presents library research techniques and other skills needed for writing research papers. A formal research paper is required.</p>			

# Math

Course	Grade Level	Credits	Course	Grade Level	Credits
Algebra 1	9	10	Enrichment Mathematics**	9-12	10
Geometry	9-10	10	AP Calculus AB	11-12	10
Algebra 2	9-12	10	AP Calculus BC	11-12	10
AP Precalculus	10-12	10	Business Math**	12	10
*AP Statistics	10-12	10	Tech Math**	11-12	10
Integrated Algebra**	11-12	10	Nebraska Math Readiness**	12	10
College Algebra A	11-12	5	*Intermediate Algebra**(WNCC)	11-12	5
*College Algebra B	11-12	5			

\*Indicates dual credit courses. Courses not offered on the SHS campus are indicated by the college name placed in parentheses.

\*\*Not NCAA Eligibility Approved



<b>414/415</b>	<b>Algebra 1</b>	Credits: 10	Grade 9
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None

This course will extend the use of variables in formulas and equations, basic operations applied to real numbers, writing and solving linear equations in one and two variables, writing and solving systems of equations, exponents and polynomials, and statistics dealing with measures of central tendency and normal distributions.

<b>418/419</b>	<b>Geometry</b>	Credits: 10	Grade 9-10
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None

This course will include a study of coordinate geometry and geometric figures in two-dimensions and three-dimensions. The emphasis is on informal proof and problem-solving within the context of geometry.

<b>422/423</b>	<b>Algebra 2</b>	Credits: 10	Grade 9-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: Algebra 1 and Geometry

This course will review essential operations of real numbers, sets, and equations as well as the study of higher degree equations, their solutions, graphs and applications. Some new topics to which the student will be introduced are exponents, logarithms, complex numbers, matrices and inverse functions.

<b>400/401</b>	<b>Integrated Algebra</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: Teacher Recommendation

This course will take a combined approach to Algebra and Geometry to offer students authentic opportunities to solve real-world problems. Students will develop the ability to explore and solve problems, think critically, work cooperatively with others, and communicate ideas clearly. This course will include concepts from Algebra 1, Geometry and Algebra 2. \*\*This course does not meet NCAA eligibility requirements for Mathematics.

<b>428/429</b>	<b>Nebraska Math Readiness</b>	Credits: 10	Grade 12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: Consideration of GPA, ACCUPLACER or ACT score to determine eligibility.

Students will review and master algebraic and geometric concepts aligned to college readiness curriculum. This course is specifically designed for senior students that have completed Algebra 2 but have not tested into Intermediate Algebra, College Algebra, or Statistics. \*\*This course does not meet NCAA eligibility requirements for Mathematics.

<b>436W</b>	<b>Intermediate Algebra (WNCC)</b>	Credits: 5	Grade 11-12
Dual-Credit: Yes	Academy:	Academy Level: N/A	Prerequisites: Algebra 2 and ACCUPLACER or ACT score or MATH 0160

Description: This one-semester dual-credit course offered at WNCC. Topics include functions, graphing, systems of equations, inequalities, polynomials and polynomial functions, rational expressions and rational equations, exponents and radicals, and quadratic functions. \*\*This course does not meet NCAA eligibility requirements for Mathematics.

<b>528/529</b>	<b>Business Math</b>	Credits: 10	Grade 12
Dual-Credit: No	Academy: AFNR, STS	Academy Level: Specialized	Prerequisites: Integrated Algebra or Algebra 2
Implemented in almost every phase of personal and business life, Business Math is essential for survival in today's world. Students will apply mathematical fundamentals to realistic business situations using common mathematical formulas. **This course does not meet NCAA eligibility requirements for Mathematics.			

<b>6245/6246</b>	<b>Technical Mathematics</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: AFNR, STS	Academy Level: Foundational	Prerequisites: Geometry
Technical Mathematics is a full-year course that studies mathematics for STEM (Science, Technology, Engineering, and Mathematics) careers. The following topics are covered: algebraic operations, exponents, probability, basic statistics, right triangle trigonometry, and geometric figures in two and three dimensions with an emphasis on application. **This course does not meet NCAA eligibility requirements for Mathematics.			

<b>432/433</b>	<b>AP Precalculus</b>	Credits: 10	Grade 10-12
Dual-Credit: No	Academy: AG, STS	Academy Level: Foundational or Specialized	Prerequisites: Grade of A or B in Algebra 2 and/or Teacher Recommendation
AP Precalculus provides students with an understanding of the concepts of college algebra, trigonometry, and additional topics that prepare students for further college-level mathematics courses. Students must take the AP Exam administered in May and meet scoring criteria in order to earn college credit. Colleges and universities have their own policies on awarding credit.			

<b>445/446</b>	<b>AP Statistics</b>	Credits: 10	Grade 10-12
Dual-Credit: Yes	Academy: BMM, HS, HSE	Academy Level: Specialized	Prerequisites: Algebra 2
This year-long course will introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data, as well as technical writing. Students are exposed to four broad conceptual themes: Exploring Data, Sampling and Experimentation, Anticipating Patterns, and Statistical Inference. *Students may either earn college credit through the AP Exam in May or through Chadron State College as MATH 232.			

<b>426</b>	<b>College Algebra A</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: BMM	Academy Level: Specialized	Prerequisites: Algebra 2 and ACCUPLACER or ACT score 21 or higher; Instructor Approval
This semester-long class is an extension of Algebra 2. It will cover topics involving algebraic operations (factoring and expanding polynomials, operations with algebraic expressions, operations with exponents, and properties of logarithms), equations and inequalities (linear, quadratic and absolute value equations and inequalities, systems of equations and inequalities, exponential and logarithmic equations), functions and their properties.			

<b>427</b>	<b>College Algebra B</b>	Credits: 5	Grade 11-12
Dual-Credit: Yes	Academy: BMM	Academy Level: Specialized	Prerequisites: College Algebra A
<p>This semester-long dual credit is an extension of College Algebra A . It will cover topics involving algebraic operations (factoring and expanding polynomials, operations with algebraic expressions, operations with exponents, and properties of logarithms), equations and inequalities (linear, quadratic and absolute value equations and inequalities, systems of equations and inequalities, exponential and logarithmic equations), functions and their properties.  *Students may earn college credit through Chadron State College as MATH 142.</p>			

<b>442/443</b>	<b>AP Calculus AB</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: HS, STS	Academy Level: Foundational or Specialized	Prerequisites: AP Precalculus
<p>This rigorous course is designed for students with a strong mathematical background as it is the equivalent of a Calculus 1 course at the collegiate level. The focus is on the students' understanding of the concepts of calculus and providing experience with its methods and applications. The course emphasizes a multi-representational approach to calculus with concepts, results, and problems being expressed graphically, numerically, analytically, and verbally. Students must take the AP Exam administered in May and meet scoring criteria in order to earn college credit. Colleges and universities have their own policies on awarding credit.</p>			

<b>434/435</b>	<b>AP Calculus BC</b>	Credits: 10	Grade 12
Dual-Credit: No	Academy: HS, STS	Academy Level: Specialized	Prerequisites: AP Calculus AB
<p>Description: This rigorous course is designed for students who have taken AP Calculus AB and received a B or higher. It is the equivalent of a Calculus 2 course at the collegiate level. The course includes all concepts from AP Calculus AB and expands further into series, parametric, and polar functions. Students must take the AP Exam administered in May and meet scoring criteria in order to earn college credit. Colleges and universities have their own policies on awarding credit.</p>			

<b>452/453</b>	<b>Enrichment Mathematics</b>	Credits: 10	Grade 9-12
Dual-Credit: No	Academy: Elective	Academy Level: N/A	Prerequisites: Teacher Recommendation
<p>Description: Students will complete formal proofs and technical reports for open-ended problems. Students will compete in intra-scholastic/interscholastic math competitions. This class is for students who wish to refine their problem-solving techniques and critical thinking skills. Those who are interested in careers in math, science or engineering would benefit from this class. Students must be concurrently enrolled in a traditional math class. Students may elect to take this class multiple years. Special note: this course counts for <b>elective</b> credit. **This course does not meet NCAA eligibility requirements for Mathematics.</p>			

# Science

Course	Grade Level	Credits	Course	Grade Level	Credits
Physical Science	9	10	Anatomy & Physiology	11-12	10
Biology	9-10	10	Conceptual Physics	11-12	10
Chemistry	10-12	10	Physics	11-12	10
Human Biology	10-12	10	*College General Biology	11-12	10
Environmental Science	11-12	10	AP Chemistry	11-12	10

\*Indicates dual credit courses.

## Accelerated Science Program of Study Option

- The following criteria must be met for eligibility in the Accelerated Program of Study Option
  - Advanced 8th grade MAPS scores in Math
  - Science grade in 8th grade must be an A
  - Successful completion, B or higher, in Algebra I at the 8th grade level.
  - Highly encourage 40 credits of science courses, including Physics and Chemistry
- 9th grade - Biology
- 10th grade - Chemistry
- 11th grade - Physics
- 12th grade - Science Elective

<b>306/309</b>	<b>Physical Science</b>	Credits: 10	Grade 9
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
<p>This course will cover the basics of the properties and structure of matter as well as the factors that affect physical and chemical changes at an atomic level. The laws of conservation of energy will be applied at a molecular level. Transfer of energy and earth systems and the study of the universe and stellar evolution will also be explored. Labs and activities aligning with the scientific method will be an integral part of the course work. Second semester will include describing motion in relation to Newton's three laws, recognizing the universal forces of gravity, electricity, mechanical wave properties, and learning the energy of waves in both light and the electromagnetic spectrum. Students will also compare and contrast kinetic and potential energy as well as methods of energy transfer.</p>			

<b>310/311</b>	<b>Biology</b>	Credits: 10	Grade 9-10
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: If taking in 9th grade, placement in the Accelerated Science Program of Study is required.
<p>This course will cover topics that include cell structure and function. An overview of the variety of living organisms will be studied as a basis for understanding the living world. New developments in technology as well as the social and ethical issues that arise in the area of biological sciences will be considered. Students will recognize how earth materials move through geochemical cycles. Students will be assigned independent lab assignments dealing with various topics. The course includes various lab assignments that center on the biological concepts taught.</p>			

<b>382/383</b>	<b>Chemistry</b>	Credits: 10	Grade 10-12
Dual-Credit: No	Academy: AFNR, HS, STS	Academy Level: Foundational or Specialized	Prerequisites: Algebra 2 or concurrent
<p>This course involves the study of the composition, structure, and properties of matter and the changes they undergo. Major emphasis will be placed on the study of chemical properties and their reactions; thereby, applying this knowledge to solve many problems related to everyday life. Students will conduct experiments and participate in creative problem-solving by means of invention, analytical thinking, effective writing, and descriptive chemistry. This course is of benefit to all students and is highly recommended for any student considering a scientific career.</p>			

<b>338/339</b>	<b>Human Biology</b>	Credits: 10	Grade 10-12
Dual-Credit: No	Academy: HS	Academy Level: Foundational	Prerequisites:
<p>Using the PLTW HBS curriculum, students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Manikin®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.</p>			

<b>322/323</b>	<b>Anatomy &amp; Physiology</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: AFNR, HS	Academy Level: Foundational	Prerequisites: Biology
<p>This course is an introduction to human anatomy and physiology which includes a review of general biological cell processes, a survey of tissue types, and a survey of the organ systems. Organ and tissue dissection labs, along with the use of Manikins® to build muscles from clay are incorporated into this course. This course is of particular value to those students who plan to enter nursing, pre-med or other medical or biological related fields of study, but is also appropriate for those students interested in learning about their own incredible machine, their body.</p>			

<b>362B/363B</b>	<b>Environmental Science</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: AFNR	Academy Level: Foundational	Prerequisites: Biology
<p>Using the PLTW Environmental Sustainability curriculum, students investigate and design solutions in response to real-world challenges related to clean and abundant drinking water, food supply, and renewable energy. Applying their knowledge through hands-on activities and simulations, students research and design potential solutions to these true-to-life challenges.</p>			

<b>320/321</b>	<b>Conceptual Physics</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: STS	Academy Level: Foundational	Prerequisites: Physical Science
<p>This is an introductory-level physics course. A focus is placed on the application of physics concepts to everyday situations. Topics covered include measurement, the mechanical advantage of simple machines, pressure, concepts of circuits and electricity, and properties of materials like thermal expansion and conductivity. Students will get to construct an atlatl and determine its mechanical advantage, calculate household electrical circuits, and learn how different properties of materials affect construction and welding.</p>			

<b>330/331</b>	<b>Physics</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: STS, AFNR	Academy Level: Foundational	Prerequisites: Biology
<p>This is a mid-level course in physics which includes topics similar to those covered in beginning college physics class such as motion in 1 and 2 dimensions, force, energy, power, light &amp; optics. Quantum mechanics, wave particle duality, Heisenberg's uncertainty principle and Einstein's general and special theories of relativity will also be examined. If you want a deeper understanding of how the universe works, this is the class for you!</p>			

<b>316B/317B</b>	<b>College General Biology</b>	Credits: 10	Grade 11-12
Dual-Credit: Yes	Academy: AFNR, HS	Academy Level: Specialized	Prerequisites: Biology with a grade of C or better
<p>This dual-credit course is an extension of Biology that allows the student an in-depth look at the principles of the life sciences. Topics covered include fundamental processes of cells and organisms, cell structure, genetics, evolution, classification, diversity, and interaction of organisms at the molecular, cellular, organismic, ecosystem, and biosphere level. This course may be taken for dual credit.</p>			

<b>384/385</b>	<b>AP Chemistry</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: AFNR, HS, STS	Academy Level: Specialized	Prerequisites: Chemistry or Teacher Recommendation

This year-long course is designed to be the equivalent of a general chemistry course usually taken during the first college year. This class focuses on the scientific principles, theories, and processes which govern chemical systems. Enduring and conceptual understanding of chemistry is achieved through Inquiry/project-based learning. Laboratory experiences are extensive in this course in order to develop advanced reasoning skills necessary to engage in science practices used in chemistry. These skills include designing a plan to collect data, analyzing data, applying mathematical routines and connecting concepts. Students must take the AP Exam administered in May and meet scoring criteria in order to earn college credit. Colleges and universities have their own policies on awarding credit.



# Social Studies

<b>Course</b>	<b>Grade Level</b>	<b>Credits</b>	<b>Course</b>	<b>Grade Level</b>	<b>Credits</b>
<b>Geography/World History</b>	9	10	<b>Sociology</b>	11-12	5
<b>World History</b>	10-12	10	<b>Economics</b>	11-12	5
<b>Early American History</b>	10-12	5	<b>Psychology</b>	11-12	5
<b>Sectionalism, Civil War, and Reconstruction</b>	10-12	5	<b>*College Psychology (WNCC and CSC)</b>	11-12	5
<b>20th Century American History</b>	10-12	5	<b>*America in the 1960's</b>	11-12	5
<b>AP US History</b>	10-12	10	<b>Personal Finance**</b>	11-12	5
<b>International Relations</b>	11-12	5	<b>American Government</b>	12	5
<b>*History of the American West</b>	11-12	5			

\*Indicates dual credit courses. Courses that may not be offered on the SHS campus are indicated by the college name placed in parentheses.

\*\*Not NCAA Eligibility Approved

<b>222/223</b>	<b>Geography/ World History</b>	Credits: 10	Grade 9
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
This course starts with the beginning of human history and continues through today. The history of the world is examined by time period. Geography concepts focused on throughout the year are population patterns, networks of exchange, political power, culture, and the environment.			

<b>264/265</b>	<b>World History</b>	Credits: 5/10	Grade 10-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
The World at War: The First and Second World Wars were human-made catastrophes that engulfed the globe and killed upwards of eighty million people, including tens of millions of civilians. Each war remade the world. Their aftershocks reverberate today and continue to shape global politics.			

<b>221</b>	<b>Early American History</b>	Credits: 5	Grade 10-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
This course is a study of American history from first Americans through the origins of sectional differences between the North and South. Emphasis will be on significant individuals and groups which were influential in the development of the United States during this period. Topics covered will include cultural characteristics of early Native Americans, world exploration and its effects on the New World, European colonization of America, the American Revolution and the growth of the United States. Disputes that arose out of this expansion will also be examined.			

<b>234</b>	<b>Sectionalism, Civil War, &amp; Reconstruction</b>	Credits: 5	Grade 10-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
America's Civil War – the largest disaster in our nation's history is the focus of this course. Beginning with an in-depth study of slavery, this course will examine the causes of the Civil War, closely study the war itself from social, political, economic, and military aspects, and conclude with the re-establishment of the Union. Links from this era to the present will be established to demonstrate how this conflict truly was the crossroads of creating the nation.			

<b>242</b>	<b>20th Century American History</b>	Credits: 5	Grade 10-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
This course begins with a brief review of the social reform movements that were underway at the turn of the century. Further, the class will cover the people and events that shaped our country in this century. Topics covered during the semester include social reforms, both World Wars, the Great Depression, the Vietnam War, Watergate, and others. This course is designed to help students understand how the United States has evolved.			

<b>258/259</b>	<b>AP US History</b>	Credits: 10	Grade 10-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: English NWEA Test scores 85th percentile or higher, Honors English 9, Honors English 10 or student's written request and teacher approval.
<p>This course is designed to give students a grounding in the subject matter of United States history and in major interpretive questions that derive from the study of selected themes. The student should learn to assess historical materials—their relevance to a given interpretive problem, their reliability, and their importance—and to weigh the evidence and interpretations presented in historical scholarship. Students must take the AP Exam administered in May and meet scoring criteria in order to earn college credit. Colleges and universities have their own policies on awarding credit.</p>			

<b>240</b>	<b>International Relations</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
<p>What is going on with North Korea? Will there be a new cold war with Russia? Is this the century of Chinese domination? Why is Middle East peace so elusive? These and many other issues will be examined in this course. While current events will be a major component, there will also be historical background information provided to put events into perspective. Topics covered will be dictated, in large part, by what is happening in the world.</p>			

<b>516</b>	<b>Personal Finance</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
<p>This course is designed to give students an understanding of financial concepts as they relate to the consumer. Students will learn about banking and investment systems, investing, insurance, credit, spending, and loans and interest rates. Students will learn how to apply these concepts to real world applications in order to secure a strong financial future. **This course is not NCAA Eligibility Approved</p>			

<b>246</b>	<b>Economics</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
<p>This course is a study of the American economy through the basic principles of economics. A constant effort is made to relate the concepts being studied to the current economic news of the day. Topics covered include how the forces of demand and supply determine prices in a market system, basic features of capitalism, the stock and bond markets, money and banking, taxes, international trade and contrasting economic philosophies. Appropriate subjects of current economic importance such as inflation, unemployment, recent trade agreements, corporate mergers, the national debt, problems in the agricultural economy, consumer buying trends, and current economic policies of our government are discussed.</p>			

<b>248</b>	<b>Sociology</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: HSE	Academy Level: Foundational	Prerequisites: None
<p>This study of American society examines how behavior as individuals is influenced by culture and membership in groups. Topics studied include peer groups, the family, formation of the self-image, socialization of children, social classes, fads, fashion, mobs, riots, panics, urban legends, population trends, traditional American values, and other basic features of American culture and society.</p>			

<b>256</b>	<b>America in the 60's</b>	Credits: 5	Grade 11-12
Dual-Credit: Yes	Academy:	Academy Level: N/A	Prerequisites: None
<p>Hippies, Haight-Ashbury, Vietnam, civil rights, assassinations, rock music, sitcoms—all facets of the Sixties. In many ways, this decade shaped the nation we live in today. This class will cover the events of the 1960s including the social, political, cultural and economic forces that were at work during the decade changing the ways Americans lived, as well as recharting the nation's history. This class may be taken at SHS for dual credit.</p>			

<b>218</b>	<b>Psychology</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: HS, HSE	Academy Level: Foundation	Prerequisites: None
<p>This course is taken at SHS for non-dual credit. The course is designed to familiarize the student with the major areas of psychology. The course is directed toward the understanding of human behavior by dealing with such topics as development of behavior, perception, motivation and emotion, learning, intelligence, personality, and mental health. An application of course content to everyday behavior situations is emphasized.</p>			

<b>218W</b>	<b>College Psychology</b>	Credits: 5	Grade 11-12
Dual-Credit: Yes	Academy: HSE, HS	Academy Level: Foundational/ Specialized	Prerequisites: Minimum GPA of 3.0 and/or ACT or ACCUPLACER score for dual-credit eligibility. See individual college entrance requirements.
<p>This course may be taken at SHS for non-dual credit, or as dual-credit through CSC or WNCC. The course is designed to familiarize the student with the major areas of psychology. The course is directed toward the understanding of human behavior by dealing with such topics as development of behavior, perception, motivation and emotion, learning, intelligence, personality, and mental health. An application of course content to everyday behavior situations is emphasized.</p>			

<b>262</b>	<b>American Government</b>	Credits: 5	Grade 12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
<p>This course is designed to give students an understanding of the functions of our government as well as an understanding of the rights and responsibilities we have as citizens. This course focuses on the constitution, the functions of the three branches of government, federalism, and the role of citizens in the political process. A secondary function of the course is an in-depth look into the current issues facing the U.S. and other countries.</p>			

<b>220</b>	<b>History of the American West</b>	Credits: 5	Grade 11-12
Dual-Credit: Yes	Academy:	Academy Level: N/A	Prerequisites: ACCUPLACER or ACT score
<p>This one semester dual credit course is an examination of historical issues and events involving America west of the Mississippi River, including a study of the concepts 'west' and 'frontier' themselves. Central themes in the course include an examination of who migrated to the west and why, the results of that migration, and the impact of that migration and the events surrounding it on the United States as a whole. Examples of topics covered in the course include the history and influence of the Spanish and French; cultural interaction and conflict between European explorers/settlers and indigenous peoples; early explorers and immigrants (including the fur trade); cowboys, outlaws and violence; children, marriage and families; farming, settlement and homesteading; and the "West" of the imagination.</p>			

## Fine Arts

<b>Course</b>	<b>Grade Level</b>	<b>Credits</b>	<b>Course</b>	<b>Grade Level</b>	<b>Credits</b>
<b>Intro to Art</b>	9-10	5	<b>A cappella</b>	11-12	10
<b>Art 2</b>	9-12	5	<b>Orchestra</b>	9-12	10
<b>Art 3</b>	10-12	5	<b>Band</b>	9-12	10
<b>Choir 9</b>	9	10	<b>Percussion Techniques</b>	9-12	10
<b>All-School Choir</b>	10-12	10			

<b>852</b>	<b>Intro to Art</b>	Credits: 5	Grade 9-10
Dual-Credit: No	Academy: CAT	Academy Level: Pre-Academy	Prerequisites: None
Students will develop and apply the creative process with a focus on drawing, design, and illustration to make works of art with a variety of materials.			

<b>850</b>	<b>Art 2</b>	Credits: 5	Grade 9-12
Dual-Credit: No	Academy: CAT	Academy Level: Pre-Academy	Prerequisites: Intro to Art
Students will explore and experience the properties of various art materials, subject matters, themes and historical references while focusing on drawing, design, and illustration. Students will develop and apply the creative process to make works of art with their own personal style.			

<b>851</b>	<b>Art 3</b>	Credits: 5	Grade 10-12
Dual-Credit: No	Academy: CAT	Academy Level: Pre-Academy	Prerequisites: Art 2 or Teacher Approval with submission of portfolio.
Students will continue to explore subjects and themes, and experience a variety of materials and historical references to convey their personal voice in drawing, design, and illustration for works of art.			

<b>800/801</b>	<b>Choir 9</b>	Credits: 10	Grade 9
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
This class is designed for all who sing/perform at a basic skill level and/or those students new to SHS. Requirements for successful completion of this course includes participation in all required performances, active participation and engagement in class, completion of all assignments, attending occasional before and after school rehearsals, and participation in the musical.			

<b>808/809</b>	<b>All-School Choir</b>	Credits: 10	Grade 10-12
Dual-Credit: No	Academy: Core	Academy Level: N/A	Prerequisites: None
This course is a mixed choir for those students at an intermediate level of singing, performance, and music theory. Requirements for successful completion of this course includes participation in all required performances, active participation and engagement in class, completion of all assignments, attending occasional before and after school rehearsals, and participation in the musical.			

<b>814/815</b>	<b>A cappella</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: Core	Academy Level: N/A	Prerequisites: Audition and Teacher Recommendation
This auditioned ensemble class is a mixed choir for those students at an advanced level of singing, performance and music theory. Requirements for successful completion of this course includes participation in all required performances, active participation and engagement in class, completion of all assignments, attending occasional before and after school rehearsals, and participation in the musical as cast or crew.			

<b>822/823</b>	<b>Orchestra</b>	Credits: 10	Grade 9-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
Orchestra involves the study and performance of orchestra literature from the 16th Century through the 20th Century. Two major concerts are given annually. Various other performances are given throughout the school year. There is opportunity for small group performance and individual lessons. Wind and percussion players who are enrolled in band at SHS may perform with this group to form a full orchestra.			

<b>818/819</b>	<b>Band</b>	Credits: 10	Grade 9-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: Woodwind or brasswind instrumentalist with 8th grade band experience or audition and director approval
Band is a full-year course. The class focus is on continuing education in instrumental music, specifically in the areas of woodwind and brasswind techniques and performance. The following are part of the High School Band: Marching Band (first semester only). The Bearcat Marching Band performs at all home football games, marching band festivals, and several local parades with emphasis on teamwork and discipline. Pep Band performs and promotes school spirit while at selected winter sports events. Concert Band (end of first and all second semester) performs concerts and at selected festivals with emphasis on intermediate to advanced wind literature and performance techniques.			

<b>824/825</b>	<b>Percussion Techniques</b>	Credits: 10	Grade 9-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: Percussionist with 8th grade band experience OR 3 years of prior piano experience, audition, and director approval.
Percussion Techniques is a full-year course. The class focus is on continuing education in instrumental music, specifically in the area of percussion. Study will focus on all aspects of percussion performance including battery, auxiliary, and mallet percussion. Percussion technique students will perform in The Bearcat Marching Band, percussion ensemble, pep band, marching band, concert band, and have the opportunity to audition for various groups within the band program, honor bands, as well as solos and ensembles.			



# Physical Education

<b>Course</b>	<b>Grade Level</b>	<b>Credits</b>	<b>Course</b>	<b>Grade Level</b>	<b>Credits</b>
<b>Personal Fitness</b>	9-12	5	<b>Intermediate Weights</b>	9-12	5
<b>Recreational Sports</b>	9-12	5	<b>Advanced Strength &amp; Conditioning</b>	9-12	5
<b>Beginning Weights</b>	9-12	5	<b>Aerobics &amp; Fitness</b>	9-12	5

Each semester of P.E. is worth 5 credits.

<b>730/731</b>	<b>Personal Fitness</b>	Credits: 5	Grade 9-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
<p>This course is offered to 9th-12th grade students. The students enrolled in this course will experience a variety of fitness workouts. The goal of the class is to improve your mobility, flexibility, strength, endurance, core strength, and cardiovascular health. With great effort by the student, this program can challenge any student wishing to improve their overall health and focus on their lifetime fitness.</p>			

<b>708/709</b>	<b>Recreational Sports</b>	Credits: 5	Grade 9-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
<p>This course offers an opportunity for the student to become familiar with and participate in sports at a relaxing level. Various sports such as archery, tennis, softball, pickleball, basketball, volleyball, and track are included. Students will participate in personal fitness daily.</p>			

<b>720/721</b>	<b>Beginning Weights</b>	Credits: 5	Grade 9-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
<p>This course is designed to teach students the proper lifting techniques. Students will focus specifically in the areas of cardiovascular, agility, functional movement, and introduction to and weight training techniques. This class is designed for athletes and non-athletes.</p>			

<b>722/723</b>	<b>Intermediate Weights</b>	Credits: 5	Grade 9-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: Beginning Weights or teacher recommendation and 80% attendance at summer weights.
<p>Intermediate Weights class is an activity class which will introduce the student to the importance of wellness through stretching, aerobic conditioning, and lifting weights. The course will include instruction of proper lifting techniques of the Bench Press, Squat, and Power Clean. Safe spotting procedures, stretching, and aerobic activities will also take place daily.</p>			

<b>726/727</b>	<b>Advanced Strength &amp; Conditioning</b>	Credits: 5	Grade 10-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: Intermediate Weights, Two Sport Athlete, or One Sport With Coach Recommendation
<p>The objective of this class is to gain strength, flexibility, cardiovascular conditioning, balance, and explosiveness. In this class students will perform workouts directed toward the overall athletic performance of the individual. Students participating in one or more SHS sports will be given first priority for course registration. Students who are participants in less than two sports need a written referral from a coach/physical education department for enrollment. All accepted enrollments shall have previously completed Intermediate Weights.</p>			

<b>704/705</b>	<b>Aerobics &amp; Fitness</b>	Credits: 5	Grade 9-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
<p>This course is offered to 9th-12th grade students. Students will explore different types of cardiovascular fitness activities. Emphasis will be placed on the wellness of the student including mental/emotional health, physical fitness, and strength. Activities include but are not limited to cross fit, yoga, Pilates, and strength training.</p>			

# World Languages

Course	Grade Level	Credits	Course	Grade Level	Credits
Spanish 1	9-12	10	German 2	10-12	10
Spanish 2	9-12	10	German 3	11-12	10
Spanish 3	10-12	10	German 4	12	10
Spanish Heritage Language 1	9-11	10	Mandarin Chinese 1	9-12	10
*Spanish 4W	11-12	10	Mandarin Chinese 2	10-12	10
AP Spanish	10-12	10	Mandarin Chinese 3	11-12	10
German 1	9-12	10	Mandarin Chinese 4	12	10

\*Indicates dual credit courses.

## Options for Spanish Studies

Option 1	Option 2
Spanish 1	Spanish Heritage 1
Spanish 2	Spanish 3
Spanish 3	AP Spanish or Spanish 4W
Spanish 4W or AP Spanish	
*Students may take Spanish Heritage 1 after Spanish 3 if they do not feel ready for AP Spanish.	*Students who opt out of Option 2 to Option 1 will be placed in Spanish 2 or higher based on previous Spanish grades and AAPPL scores. *Heritage Spanish students may go from Heritage 1 to AP Spanish or Spanish 4W based on previous Spanish grades and AAPPL scores.

<b>580/581</b>	<b>Spanish 1</b>	Credits: 10	Grade 9-11
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None

Spanish 1 serves as a foundation course in the study of the language. The student is introduced by means of listening, speaking, reading and writing basic language concepts which will aid his/her understanding in Spanish and a greater understanding of how Latino culture is also presented to familiarize students with different customs.

<b>582/583</b>	<b>Spanish 2</b>	Credits: 10	Grade 9-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: Spanish 1

Spanish 2 is a continuation of the Spanish language and culture learning. It reinforces the knowledge learned in Spanish 1 through speaking, reading, and writing skills. Students will develop a knowledge of the geography of Spanish-speaking countries, grammar fundamentals, and cultures and customs of Latin American countries.

<b>584/585</b>	<b>Spanish 3</b>	Credits: 10	Grade 10-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: Spanish 2 or Spanish Heritage 1

Spanish 3 will expand the students' grammatical, oral and written knowledge of the Spanish language. Lectures are in Spanish.

<b>592/593</b>	<b>Spanish Heritage Language 1</b>	Credits: 10	Grade 9-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: Native Spanish Speaker or successful completion of Spanish 3

This course is designed to enhance the native Spanish Speakers language by developing academic language, reading, and writing in the Spanish language. The course is conducted in Spanish. Students will develop basic literacy skills along with gaining a deeper knowledge of the history, literature, and culture of the Spanish Language. Students will read and discuss informational text and some fiction, as well as develop writing skills in the Spanish language. The course includes all language domains of speaking, listening, reading, and writing.

<b>5000/5001</b>	<b>AP Spanish Language and Culture</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: Spanish Heritage 1 and/or Spanish 3

AP Spanish Language and Culture is equivalent to an intermediate-level college course in Spanish. Students cultivate their understanding of Spanish language and culture by applying interpersonal, interpretive, and presentational modes of communication in real-life situations as they explore concepts related to family and communities, personal and public identities, beauty and aesthetics, science and technology, contemporary life, and global changes. Students must take the AP Exam administered in May and meet scoring criteria in order to earn college credit. Colleges and universities have their own policies on awarding credit.

<b>578/579</b>	<b>Spanish 4W (WNCC)</b>	Credits: 10	Grade 11-12
Dual-Credit: Yes	Academy:	Academy Level: N/A	Prerequisites: Spanish 1, 2, & 3 or Spanish Heritage 1 and Spanish 3
<p>Elementary Spanish 1 / Elementary Spanish 2 WNCC - In this introductory course, students begin to learn the fundamentals of Spanish. Comprehension, pronunciation, speaking, listening, reading, writing, and vocabulary are emphasized, and nouns, adjectives, and present tense as well as a study of Spanish-speaking cultures are covered. This course also allows language learners to experience the cultural diversity of Spanish-speaking countries. Technology is incorporated in this class to enhance language skills. The class emphasizes an interactive, proficiency-oriented approach to learning language and culture.</p>			

<b>560/561</b>	<b>German 1</b>	Credits: 10	Grade 9-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
<p>German 1 is an introduction to the language and culture of Germany and other German speaking countries. The basic structures of the language are introduced through speaking, reading, listening and writing.</p>			

<b>562/563</b>	<b>German 2</b>	Credits: 10	Grade 10-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: German 1
<p>German 2 is a continuation of German I with more emphasis on reading, writing, speaking and listening in the target language. Students will develop a knowledge of German culture and customs.</p>			

<b>564/565</b>	<b>German 3</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: German 2
<p>German 3 is a continuation of German 2 with a focus on daily speaking in the target language. Students will read, write, and speak in the target language and complete a historical unit on the Holocaust.</p>			

<b>566/567</b>	<b>German 4</b>	Credits: 10	Grade 12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: German 3
<p>German 4 is conducted primarily in the target language. It is an extensive study of literature, writing, and conversation. The students will apply the language to present projects and presentations. Emphasis will be placed on using the target language in the community.</p>			

<b>570/571</b>	<b>Mandarin Chinese 1</b>	Credits: 10	Grade 9-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: None
<p>Chinese 1 serves as a foundation course in the study of the language by using an audio-lingual approach; this course teaches pronunciation, vocabulary, and grammar fundamentals as essential elements in listening, speaking, reading, writing and understanding elementary Chinese. Chinese culture is also presented to familiarize students with different customs.</p>			

<b>574/575</b>	<b>Mandarin Chinese 2</b>	Credits: 10	Grade 10-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: Mandarin Chinese 1
Chinese 2 is a continuation of Chinese 1 with more emphasis on reading, writing, speaking and listening in the target language. Students will continue to develop a knowledge of Chinese culture and customs.			

<b>576/577</b>	<b>Mandarin Chinese 3</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: Mandarin Chinese 2
Chinese 3 continues building on the students' previous Mandarin Chinese knowledge by introducing new vocabulary, characters, grammar and usage. Students who complete this course should be able to initiate discussion on topics of daily life, understand more complicated sentences, and write short compositions. It includes the reading of simplified texts with emphasis on oral expression and further study of Chinese history and culture.			

<b>572/573</b>	<b>Mandarin Chinese 4</b>	Credits: 10	Grade 12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites: Mandarin Chinese 3
Chinese 4 is a continuation of skills and concepts learned in previous Mandarin Chinese courses. Students will review and complete basic grammar and key sentence patterns of Chinese, provide practice in the appropriate use of idiomatic expressions, and further develop skills in reading and writing. It will also build vocabulary, expand reading comprehension, and encourage extensive conversation in Mandarin Chinese. It will cover additional aspects about Chinese culture.			



# Special Programming

<b>Course</b>	<b>Grade Level</b>	<b>Credits</b>	<b>Course</b>	<b>Grade Level</b>	<b>Credits</b>
<b>Student Assistant</b>	12	5	<b>Entrepreneurship</b>	12	5
<b>Career Academy Internship</b>	12	10	<b>Peer Para-Professional</b>	12	10
<b>Work Study</b>	12	5	<b>CHOICES Community Outreach</b>	10-12	20
<b>AFJROTC</b>	9-12	10			

<b>005/006</b>	<b>Career Academy Internship</b>	Credits: 10	Grade: 12
Dual-Credit: No	Academy: All Career Academies	Academy Level: Specialized	Prerequisites: Foundation Completion
<p>This course will integrate classroom instruction with on-the-job training. In the classroom, students will explore careers, learn how to apply for a job, participate in mock interviews, and develop workplace skills. Following/Work Readiness Completion, the work site experience will be aligned to the students career academy enrollment. Students will understand how classroom content and skills are transferred into the workplace. Students will meet for classroom instruction prior to their internship as well as several times throughout the semester.</p>			

<b>559</b>	<b>Entrepreneurship</b>	Credits: 5	Grade: 12
Dual-Credit: No	Academy: All Career Academies	Academy Level: Specialized	Prerequisites: Foundation Completion
<p>This course is designed for students with a career interest in entrepreneurship. Emphasis is placed on the evaluation of the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The role of entrepreneurial businesses in the United States and the impact on the national and global economy will be explored. Instructional strategies include the development of a business plan, operation of a school-based business, or actual creation of a student-run business.</p>			

<b>0021/0031</b>	<b>Air Force Junior ROTC</b>	Credits: 10	Grade: 9-12
Dual-Credit: No	Academy:	Academy Level: Pre-Academy, Foundation, Specialized	Prerequisites:
<p>The AFJROTC course curriculum rotates on a four-year cycle. The various courses fall under two primary topics: Aerospace Science (AS) and Leadership Education (LE). AS includes 1) Aviation History, 2) Global Awareness, 3) Exploring space, and 4) Survival. LE includes 1) Traditions, Wellness and Foundations of Citizenship, 2) Communication, Awareness and Leadership, 3) Life Skills and Career Opportunities, and 4) Fundamentals of Management. Wellness/physical training and drill instruction are part of the curriculum as well.</p>			

<b>994/995</b>	<b>Student Assistant</b>	Credits: 5	Grade: 12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites:
<p>This course is designed to assist students with developing the knowledge and skills necessary to work in an administrative assistant role and work under a mentoring staff member.</p>			

<b>012/013</b>	<b>Work Study</b>	Credits: 5	Grade 12
Dual-Credit: No	Academy:	Academy Level: N/A	Prerequisites:
<p>This course is designed for students that spend time in the workforce and would like to transfer skills learned in the classroom into their jobs. The course requires obtaining a job, 80 hours of work, and basic job skills development.</p>			

<b>9477/9478</b>	<b>Peer Para-Professional</b>	Credits: 10	Grade 12
Dual-Credit: No	Academy: All Career Academies	Academy Level: Specialized	Prerequisites: Foundation Completion
<p>This course is specifically designed to help foster inclusion and build relationships between general education students and students with disabilities. Students chosen for this program will be required to complete Work Readiness, disability awareness training and sign a confidentiality form. Students will support an assigned student with a disability in a general education classroom or in a Life Skills Special Education Class. Pre-Requisites: Application Process, 12th-grade student, good attendance. Participation in this course must be pre-arranged with the Special Education Coordinator, Life Skill Team Leader, and school counselor.</p>			

<b>3000/3001</b>	<b>CHOICES Community Outreach</b>	Credits: 20	Grade 10-12
Dual-Credit: No	Academy: All Academies	Academy Level: Pre-Academy, Foundational, Specialized	Prerequisites:
<p>This is a full-year, double-period specialty program created only for those 10th - 12th grade students who are in the CHOICES program. This class will encompass the chief tenets of CHOICES: responsibility, accountability, preparation, relationships, and service. CHOICES Outreach activities include college &amp; industry tours, class projects, volunteerism, and trips. Each student must complete one career interview and two full-shift job shadows. CHOICES has both a fall Intensive camping trip in August and another one-day Intensive in January. CHOICES leadership students will be enrolled year-round in CATS to continue to build these important relationships and collectively plan Community Outreach service learning projects, college visits, and intensives. Credits: Students may utilize CHOICES Community Outreach credits as Career Academy credits. Students may still elect to enroll in a Career Academy. See p. 8 for more details.</p>			

# Individual Education Programming

<b>Course</b>	<b>Grade Level</b>	<b>Credits</b>	<b>Course</b>	<b>Grade Level</b>	<b>Credits</b>
<b>Mathematics for Life</b>	9-12	10	<b>Fundamentals of English</b>	9-12	10
<b>Consumer Math</b>	9-12	10	<b>Reading Success</b>	9-12	10
<b>Independent Living</b>	9-12	10	<b>Job Shadowing</b>	10-12	5-10
<b>Vocational Readiness 9</b>	9	5-10	<b>Vocational Readiness</b>	10-12	5-10
<b>Interpersonal Strategies</b>	9-12	5	<b>Vocational Readiness 1</b>	9-12	5-10

<b>964/965</b>	<b>Mathematics for Life</b>	Credits: 10	Grade 9-12
Dual-Credit: No	Academy:	Academy Level:	Prerequisites: Recommendation by Case Manager
This course emphasizes basic skills to increase the student's knowledge of math needed for everyday living. Math skills include measurement, money, time, budgeting, costs, purchasing and banking.			

<b>912/913</b>	<b>Math Essentials</b>	Credits: 10	Grade 9-12
Dual-Credit: No	Academy:	Academy Level:	Prerequisites: Recommendation by Case Manager
This course provides instruction using a variety of realistic, consumer-oriented applications. These applications reinforce and extend students' mastery of basic math concepts utilizing grade level algebra standards.			

<b>968/969</b>	<b>Independent Living</b>	Credits: 10	Grade 9-12
Dual-Credit: No	Academy:	Academy Level:	Prerequisites: Recommendation by Case Manager
This course emphasizes basic skills to increase the student's knowledge needed for everyday living. Skills are taught in an authentic learning environment that will center on tasks of interest to the learner.			

<b>940/941</b>	<b>Vocational Readiness</b>	Credits: 10	Grade 10-12
Dual-Credit: No	Academy:	Academy Level:	Prerequisites: Recommendation by Case Manager
This semester-long class is designed to address the individual needs of each student enrolled. Students will enhance and maintain academic and management skills to increase success in school. Learning strategies, organizational skills, following and implementing directions, critical thinking skills, study skills and study habits will be emphasized. In addition, this course will provide opportunities for the student to develop skills needed to reach their post-secondary goals in the areas of education/training, career and industry standards awareness, and the development of skills needed to obtain and maintain employment.			

<b>958/959</b>	<b>Vocational Readiness 9</b>	Credits: 5-10	Grade 9
Dual-Credit: No	Academy:	Academy Level:	Prerequisites: Recommendation by Case Manager
This semester-long class is designed to address the individual needs of each student enrolled. Students will enhance and maintain academic and management skills to increase success in school. Learning strategies, organizational skills, following and implementing directions, critical thinking skills, study skills and study habits will be emphasized. In addition, this course will provide opportunities for the student to develop skills needed to reach their post-secondary goals in the areas of education/training, career and industry standards awareness, and the development of skills needed to obtain and maintain employment.			

<b>940LS/941LS</b>	<b>Vocational Readiness 1</b>	Credits: 5-10	Grade 9-12
Dual-Credit: No	Academy:	Academy Level:	Prerequisites: Recommendation by Case Manager
<p>This semester-long class is designed to address the individual needs of each student enrolled. Students will enhance and maintain academic and management skills to increase success in school. Learning strategies, organizational skills, following and implementing directions, critical thinking skills, study skills and study habits will be emphasized. In addition, this course will provide opportunities for the student to develop skills needed to reach their post-secondary goals in the areas of education/training, career and industry standards awareness, and the development of skills needed to obtain and maintain employment.</p>			

<b>904/905</b>	<b>Fundamental English</b>	Credits: 10	Grade 9-10
Dual-Credit: No	Academy:	Academy Level:	Prerequisites: Recommendation by Case Manager
<p>Description: This course helps students develop basic English skills to increase knowledge and ability to communicate in both written language and verbal expression. Emphasis is placed on grammar, spelling, composition skills, literature and practical communication problems of everyday life. The course will be individualized to meet the needs of the student as described in his/her IEP.</p>			

<b>962/963</b>	<b>Reading Success</b>	Credits: 10	Grade 9-12
Dual-Credit: No	Academy:	Academy Level:	Prerequisites: Recommendation by Case Manager
<p>This course is designed to meet the individual needs of the struggling reader. A variety of instructional techniques will be implemented to increase the student's decoding skills, vocabulary development, reading fluence, and comprehension.</p>			

<b>948/949</b>	<b>Job Shadowing</b>	Credits: 5-10	Grade 10-12
Dual-Credit: No	Academy:	Academy Level:	Prerequisites: Recommendation by Case Manager
<p>Description: Students will explore occupations which exist in the community by job shadowing at pre-arranged businesses. Training will occur from the business supervisor or designee and may be supported by the services of a Job Coach. Specific objectives will be outlined and will focus on the acquisition of work skills, healthy work attitudes and social skills development. Students will investigate careers through interest, aptitude and vocational assessment inventories.</p>			

<b>9202/9203</b>	<b>Interpersonal Strategies</b>	Credits: 5	Grade 9-12
Dual-Credit: No	Academy:	Academy Level:	Prerequisites: Recommendation by Case Manager
<p>Description: This course fosters the growth of emotional intelligence and character development through an engaging curriculum. In this course students will learn self-awareness, self-management, responsible decision-making, social awareness, and relationship skills. Students will also build communication skills, teamwork, empathy, listening skills, and conflict management approaches.</p>			

# AG, FOOD, & NATURAL RESOURCES



## Grade 9

Pre-Career Academy Courses

- Introduction to Agriculture, Food & Natural Resources



## Grade 10

Pre-Career Academy Courses

- Basic Welding (PST Path)
- Animal Biology (AB or AVS Path)
- Plant Sciences (PES Path)



## Grade 11

Foundational Career Academy Courses (30 Credits)

- Environmental Science, Chemistry, Anatomy & Physiology, Physics, or Conceptual Physics
- Tech Math, Algebra II or higher\*
- Pathway Options (must select 2 based on interest and prerequisites)
  - Animal Biology/Large Animal Management/Equine Science/Small Animal Management/Veterinary Science/Wildlife Management (AVS/AB Path)
  - Metal & Fabrication/Advanced Metal & Fabrication/Power Structure & Tech (PST Path)
  - Advanced Welding
  - Plant Science/Horticulture/Agronomy (PES/AB Path)
  - Marketing (ABS Path)



## Grade 12

Specialized Academy Pathway (select 30 credits from Pathway of emphasis)

### Agribusiness (ABS) Pathway

- Principles of Microeconomics (ECON 2120)
- Principles of Macroeconomics (ECON 2110)
- Principles of Marketing (BSAD 2520)
- English Comp 1 (ENGL 1010)\*
- English Comp 2 (ENGL 1020)\*
- Ag Leadership or Ag Elective
- Internship

### Ag Machinery (AM) Pathway

- Tech Math or higher\*
- Workplace Writing
- Advanced Metals Fabrication
- Ag Leadership
- Internship

### Welding Pathway (WELD)

See welding section in registration guide

### Animal and Vet Science (AVS) Pathway

- Equine Science
- Vet Science
- Ag Leadership
- Chemistry or AP Chemistry
- Anatomy & Physiology
- AP Precalculus or higher\*
- General Biology (BIOS 1010)
- General Zoology (BIOS 1380)
- Microbiology (BIOS 2460)
- Wildlife Management
- CASNR
- NCTA
- Internship

### Plant & Environmental Science Pathway

- Wildlife Management
- Horticulture or Agronomy
- Ag Leadership
- Chemistry or AP Chemistry
- General Biology (BIOS 1010)
- Microbiology (BIOS 2460)
- General Zoology (BIOS 1380)
- Internship

\*At the Foundational or Specialized Level identified courses may be substituted with counselor or administrative approval and based on student's academic readiness. \*NCTA and CASNR courses may vary based on college offerings.

<b>600/601</b>	<b>Intro to Ag, Food, and Natural Resources</b>	Credits: 10	Grade 9-10
Dual-Credit: No	Academy: AFNR	Academy Level: Pre-Academy	Prerequisites: None

This year-long course is designed to introduce students to the sciences, technologies, and applied practices of the progressive agriculture/agriculture industry. Emphasis is on an active learning environment enriched with technology and science-based applications. The course serves as the entry-level course for other courses in agriculture and a basis for students wishing to join FFA. The focus is to begin the preparation of students for further study leading to successful careers in the agricultural industry.

<b>602</b>	<b>Animal Biology</b>	Credits: 5	Grade 10-12
Dual-Credit: No	Academy: AFNR	Academy Level: Pre-Academy/ Foundational	Prerequisites: Intro to AFNR

This is a one-semester course designed to develop basic knowledge and skills pertaining to livestock raised for human use and consumption. Course content includes the importance of domestication, breed identification, digestive systems, nutrition, selection, and meat science.

<b>607</b>	<b>Large Animal Management</b>	Credits: 5	Grade 10-12
Dual-Credit: No	Academy: AFNR	Academy Level: Foundational, Specialized, Elective	Prerequisites: Animal Biology

The course provides an academically stimulating environment for students wishing to advance their understanding of animal science. In this course, students will study animal behavior, animal systems (circulatory, respiratory, etc), genetics and animal breeding systems. Students will examine the interrelated human, scientific, and technological dimensions of livestock production. In addition, students will expand their knowledge of the scientific and technological dimensions of resources necessary for animal production.

<b>597</b>	<b>Small Animal Management</b>	Credits: 5	Grade 10-12
Dual-Credit: No	Academy: AFNR	Academy Level: Foundational, Specialized, Elective	Prerequisites: None

Small Animal Management is a course designed to enhance the understanding of small animal care. Students will develop a deeper understanding of career opportunities, industry expectations, knowledge and skills related to the care and maintenance of small animals. In addition, students will learn about the various species and breeds of small animals and their individual body systems. During the course of the semester, students will examine small mammals: dogs, cats, birds, amphibians, and reptiles.



<b>605</b>	<b>Equine Science</b>	Credits: 5	Grade 10-12
Dual-Credit: No	Academy: AFNR	Academy Level: Foundational, Specialized, Elective	Prerequisites: Animal Biology
<p>Students will be exposed to equine science and technology principles which include history, breeds, breeding/genetics, anatomy, physiology/nutrition, selection, disease/parasites, and management practices. Career opportunities and educational preparation are examined. Learning activities include classroom, laboratory, and field experiences emphasized. <b>This course is offered on an alternating annual schedule during odd-numbered years.</b></p>			

<b>606</b>	<b>Veterinary Science</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: AFNR	Academy Level: Foundational & Specialized	Prerequisites: Large Animal Management
<p>This course introduces students to the basics of animal care. Topics covered include disease, parasites, feeding, shelter, grooming, and general animal care. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities. <b>This course is offered on an alternating annual schedule during even-numbered years.</b></p>			

<b>613</b>	<b>Wildlife Management</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: AFNR	Academy Level: Foundational, Specialized, Elective	Prerequisites: Intro to AFNR
<p>This course focuses on the conservation of natural resources including outdoor recreation topics and provides students with the opportunity to understand and appreciate the importance of maintaining the land and ecological systems that enable non-domestic animals to thrive. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.</p>			

<b>616W</b>	<b>Zoology (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: AFNR	Academy Level: Specialized	Prerequisites: Foundation completion and successful completion of General Biology
<p>Characteristics and relationships of the major groups from protozoa through the mammals are discussed.</p>			

<b>596</b>	<b>Plant Science</b>	Credits: 5	Grade 10-12
Dual-Credit: No	Academy: AFNR	Academy Level: Pre-Academy/ Foundational	Prerequisites: Intro to AFNR
<p>This course covers the basic principles of plant growth, including human and environmental influences and the theoretical and practical application of agronomic principles to crop production. The course includes the historical and economic importance of crop plants for food, feed, and fiber; origin, classification, and geographic distribution of field crops; environmental factors and agronomic problems; crop plant breeding, growth, development, and physiology; cropping systems and practices; seedbed preparation, tillage, and crop establishment; pests and controls; and harvesting, storing, and marketing practices.</p>			

<b>622</b>	<b>Horticulture</b>	Credits: 5	Grade 10-12
Dual-Credit: No	Academy: AFNR	Academy Level: Foundational	Prerequisites: Plant Science
<p>This course is designed to introduce the student to the basic concepts and skills utilized in horticulture. Students will receive an introduction to basic botanical concepts such as morphology, anatomy, taxonomy, physiology, genetics, and propagation as they apply to horticulture. The first quarter of this class will focus on the history and principles of floral design. Students will design a variety of floral arrangements for a variety of functions within the community. The second quarter of this class will focus on landscape design and turf grass management. In addition to propagating plants in the greenhouse, students will explore the concepts associated with designing, constructing and maintaining landscapes and their plant communities. Students will also be exposed to constructing and maintaining turf grass areas. <b>This course is offered on an alternating annual schedule during odd-numbered years.</b></p>			

<b>603</b>	<b>Agronomy</b>	Credits: 5	Grade 10-12
Dual-Credit: No	Academy: AFNR	Academy Level: Foundational	Prerequisites: Plant Science
<p>This course provides the study of plant physiology and morphology and its relationship to growth, development and reproduction of crop and forage plants in the global environment. Topics include seed identification, testing, and grain grading. Identification of agronomic crops and major weeds in crop production and harvesting and handling will be emphasized. Classroom and laboratory activities are supported through supervised agricultural experiences and leadership programs and experiences. <b>This course is offered on an alternating annual schedule during even-numbered years.</b></p>			

<b>650</b>	<b>Basic Welding</b>	Credits: 5	Grade 10-12
Dual-Credit: Yes	Academy: AFNR, STS	Academy Level: Pre-Academy	Prerequisites:
<p>This is an introductory course in shielded metal arc welding, MIG welding, and oxy-acetylene welding and cutting. Welding will be done on light gauge metal in all positions. This course is intended to introduce a beginning student to the welding standards of the American Welding Society. Procedure, set-up, practice and application are done according to the AWS standard. Upon successful completion of this course, students will be familiar with this code and understand where to find needed information. Safety skills and practices are required to be followed. Students generate grades through academic work and project-work assessments. Students provide personal welding gloves and approved safety glasses. Consistent and punctual attendance is very important. Students should have the ability to work alone and with others. Students have the option of taking this class for dual credit.</p>			

<b>612</b>	<b>Metals &amp; Fabrication</b>	Credits: 5	Grade 10-12
Dual-Credit: No	Academy: AFNR	Academy Level: Foundational	Prerequisites: Successful completion of Basic Welding
<p>The course provides an in-depth study of metals and fabrication with metal products. It also provides the opportunity to explore the careers in agricultural metal fabrication. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.</p>			

<b>610</b>	<b>Power, Structure, and Technology Systems</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: AFNR	Academy Level: Foundational/ Elective	Prerequisites: None
<p>This course introduces selected major areas of agricultural mechanics technology including small engine operation and hand tool identification and classification, land surveying, plumbing and electrical wiring. Learning activities include basic understanding, skill development and problem-solving. Classroom and laboratory activities are supplemented through supervised agricultural experiences and leadership programs and activities.</p>			

<b>609</b>	<b>Advanced Metals &amp; Fabrication</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: AFNR	Academy Level: Foundational & Specialized	Prerequisites: Successful completion of Metals & Fabrication
<p>This course is designed to expand on principles and skills learned through Metals and Fabrication. Students will work on independent projects utilizing all skills learned in Metals and Fabrications.</p>			

<b>615</b>	<b>Ag Leadership</b>	Credits: 5	Grade 12
Dual-Credit: No	Academy: AFNR	Academy Level: Specialized	Prerequisites: Foundational Academy completion
<p>This course is an advanced study of agricultural leadership and team building. Students will be exposed to a variety of leadership activities and skill development opportunities. Students will also be engaged in using computers for computing record keeping. Much of the class will focus on developing career opportunities and preparation for employment. Students will also work in groups and teams to develop employable skills as well as enhance their leadership skills. Students should expect to take an in-depth look at their lives and societal impacts.</p>			

- 6245/6246      Technical Mathematics - See Math
- 546W            Principles of Macroeconomics (WNCC) - See Business, Marketing, and Management
- 522W            Microeconomics (WNCC) - See Business, Marketing, and Management
- 300W            Microbiology (WNCC) - See Health Science

## **Advanced AFNR Programming Options**

### Basic Welding Certificate (WNCC)

- OSHA 10
- 6525BW Intro to Weld (WNCC) or 650 Basic Weld (Dual Credit SHS)
- 6521BW Gas Metal Arc Weld
- 6522BW Flux Cored Arc Weld
- 6523BW Bas Shield Metal Arc
- 6524BW Adv Shield Metal Arc

### Advanced Welding Certificate (WNCC)

- 6510BW Gas Tung Arc Weld 1
- 6511BW Gas Tung Arc Weld 2
- 6514BW Downhill Pipe Weld
- 6515BW Uphill Pipe Weld
- 6515BW Structural Weld
- 651W Blueprint Reading
- Elective: 6513BW Arc Weld & Shop Fab

### Nebraska College of Technical Agriculture Academy (Online) 988/989

- Animal Management
- Nutrition
- Feeds and Feeding
- Beef Production Systems
- Crop Science
- Natural Resource Management

### College of Agriculture, Science, and Natural Resources (CASNR, NebraskaNOW) 986/987

- Water in Society
- Biotechnology: Food, Health, and Environment
- Invasive Plant Species: Impacts on Ecosystems
- Plant Science
- Fundamentals of Animal Biology and Industry
- Animal Products
- Companion Animal and Equine Behavior
- The Science of Food
- Insect Biology

\*Most NCTA and CASNR courses require General Biology as a prerequisite. Please inquire before registering.

# BUSINESS, MARKETING & MANAGEMENT



## Grade 9 & 10

Pre-Career Academy Courses

- Introduction to Business, Marketing and Management (BAM, BT, HT, ME, COS Path)
- IT Fundamentals (BAM, BT Path)
- Management and Leadership (BAM, BT, HT, ME, COS Path)
- Foods, Nutrition & Wellness (HT Path)
- Intro to Digital and Graphic Design (ME Path)



## Grade 11

Foundational Career Academy Courses (30 Credits)

- English Elective or AP Language\*
- Marketing/Marketing Management
- Pathway Options (must select 2 based on interest and prerequisites)
  - Basic Accounting/MicroComputer Apps (BAM or BT Path)
  - Advanced Foods and ProStart 1 (HT Path)
  - Digital and Graphic Design (ME Path)



## Grade 12

Specialized Academy Pathway (select 30 credits from Pathway of emphasis)

### Business Administration Pathway (BAM)

- English Comp 1 (ENGL 1010)\*
- English Comp 2 (ENGL 1020)\*
- AP Stats (MATH 232) or College Algebra (Math 142)
- Intro to Business (BSAD 1050)
- Principles of Macroeconomics (ECON 2110)
- Principles of Microeconomics (ECON 2120)
- Principles of Marketing (BSAD 2520)
- Principles of Management (BSAD 2540)
- Principles of Accounting 1 and 2 (ACCT 1200/1210)
- Entrepreneurship
- Internship

### Business Technology Pathway (BT)

- English Comp 1 (ENGL 1010)\*
- English Comp 2 (ENGL 1020)\*
- Intro to Business (BSAD 1050)
- Office Management (BSAD 2340)
- Principles of Marketing (BSAD 2520)
- Achieving College Success (PRDV 1010)
- Business Communications (BSAD 1210)
- Business Math
- Entrepreneurship
- Internship

### Hospitality and Tourism Pathway

- English Comp 1 (ENGL 1010)\*
- English Comp 2 (ENGL 1020)\*
- Principles of Marketing (BSAD 2520)
- ProStart 2
- Entrepreneurship
- Internship

### Cosmetology Pathway

- Intro to Cosmetology
- English Comp 1 (ENGL 1010)\*
- English Comp 2 (ENGL 1020)\*
- Principles of Marketing (BSAD 2520)
- Advanced Digital Design
- Entrepreneurship

### Marketing and Entrepreneurship Pathway

- English Comp 1 (ENGL 1010)\*
- English Comp 2 (ENGL 1020)\*
- Principles of Marketing (BSAD 2520)
- Advanced Digital and Graphic Design
- Entrepreneurship
- Internship

\*At the Foundational or Specialized Level identified courses may be substituted with counselor or administrative approval and based on student's academic readiness.

<b>524</b>	<b>Intro to Business, Marketing, &amp; Management</b>	Credits: 5	Grade 9-10
Dual-Credit: No	Academy: BMM	Academy Level: Pre-Academy	Prerequisites: None
<p>This course is designed as an introductory overview of the Business, Marketing, and Management Career Field. Units of study include economic systems, forms of business ownership, management, marketing, and accounting. Career opportunities will also be explored. Students taking this course are eligible to join DECA.</p>			

<b>525</b>	<b>Management &amp; Leadership</b>	Credits: 5	Grade 9-10
Dual-Credit: No	Academy: BMM	Academy Level: Pre-Academy	Prerequisites: None
<p>This course emphasizes the basic concepts of management and leadership within a business or organization. It addresses characteristics, organization, and operations of business as major sectors of the economy. Students will investigate management issues involved in planning, organizing, leading, and controlling an organization. They will also acquire essential skills in the areas of emotional intelligence, time management, stress management, professional growth and development, communication, and relationship skills. Students taking this course are eligible to join DECA.</p>			

<b>670</b>	<b>Food, Nutrition, &amp; Wellness</b>	Credits: 5	Grade 9-10
Dual-Credit: No	Academy: BMM	Academy Level: Pre-Academy	Prerequisites: None
<p>This class is an introduction to the study of foods and nutrition. The course includes basic food preparation principles, food sanitation and safety, the examination of nutritional needs and wellness throughout the life cycle, and factors affecting today's consumer food decisions.          COURSE FEE: \$15.00*          *If you qualify for free &amp; reduced lunch, AND complete a FEE WAIVER FORM, the fee can be waived.</p>			

<b>669</b>	<b>Advanced Foods</b>	Credits: 5	Grade 10-12
Dual-Credit: No	Academy: BMM	Academy Level: Foundational	Prerequisites: Food, Nutrition, & Wellness
<p>This course is a global cuisine course in which recipes and cultures of nine countries are studied and explored. This class will aid students in advancing skills related to food preparation, nutrition, and wellness. The class is designed to provide and prepare students with the advanced knowledge needed to properly and efficiently fuel the human body through food selection, storage and preparation methods. Students will have the opportunity to obtain a ServSafe certification.          COURSE FEE: \$20.00*          *If you qualify for free &amp; reduced lunch, AND complete a FEE WAIVER FORM, the fee can be waived.</p>			

<b>672</b>	<b>ProStart 1</b>	Credits: 5	Grade 10-12
Dual-Credit: No	Academy: BMM	Academy Level: Foundational	Prerequisites: Advanced Foods
<p>This course is an industry-driven curriculum that prepares students for careers in the restaurant and foodservice management industry. This course will focus on the following topics: career paths, safety and sanitation, industry standards, food methods and techniques, food service management, and customer service. Students will have the opportunity to obtain a ServSafe certification.            COURSE FEE: \$35.00*            *If you qualify for free &amp; reduced lunch, AND complete a FEE WAIVER FORM, the fee can be waived.</p>			

<b>673/674</b>	<b>ProStart 2</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: BMM	Academy Level: Specialized	Prerequisites: ProStart 1
<p>This is a year-long class using the ProStart curriculum. Topics cover many of the aspects of the lodging industry, marketing, tourism and retail industry. Upper-level culinary art practices and skills are a key element of this course. Students will be eligible to try out for competitions. A ProStart certification will be obtainable for those completing the necessary work hours.            COURSE FEE: \$35.00*            *If you qualify for free &amp; reduced lunch, AND complete a FEE WAIVER FORM, the fee can be waived.</p>			

**508 Intro to Digital Design** - See Communication Arts and Technology

**514/515 Digital and Graphic Design** - See Communication Arts and Technology

**518/519 Advanced Digital and Graphic Art** - See Communication, Arts, and Technology

<b>540/541</b>	<b>Marketing/Marketing Management</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: BMM, AFNR, CAT	Academy Level: Foundational	Prerequisites: Intro to Business or Management & Leadership
<p>Marketing provides an opportunity to explore the field of marketing, business, management, finance, and consumer awareness. The course includes topics in economics, advertising and promotion, and entrepreneurship. The curriculum utilizes communication, team building, and problem-solving skills while applying academic and critical-thinking strategies. Application of academic concepts and technology are integrated throughout the curriculum enhancing career and professional development. This course may be taken in the academy or out of the academy as an elective. This course is a requirement for students wishing to join the DECA program.</p>			

<b>544/545</b>	<b>Principles of Marketing</b>	Credits: 10	Grade 12
Dual-Credit: Yes	Academy: BMM, AFNR, CAT	Academy Level: Specialized	Prerequisites: Marketing/Marketing Management
<p>This advanced-level course emphasizes marketing research, management, merchandising, personal development, promotions, finance, and business operations. The class may be taken for dual credit through Chadron State College. Registration is at the beginning of the year. This course is a requirement for students wanting to join the DECA program.</p>			

<b>530</b>	<b>Basic Accounting</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: BMM	Academy Level: Foundational	Prerequisites: Intro to Business or Management & Leadership
<p>This course covers sole proprietorship accounting principles involved in the preparation and maintenance of financial records concerned with business management and operations. It is a comprehensive introduction to basic accounting including recording, summarizing and reporting, principles of income measurement and asset valuation, and accounting systems and controls. Students are exposed to careers in the accounting field and are given the opportunity to perform accounting applications using the computer. An introduction to partnerships and corporations may be included. Students taking this course are eligible to join DECA.</p>			

<b>504</b>	<b>IT Fundamentals</b>	Credits: 5	Grade 9-10
Dual-Credit: No	Academy: BMM	Academy Level: Pre-Academy	Prerequisites: None
<p>Students are introduced to the proper use of information technologies (IT). In addition, they will be introduced to hardware and software selection and use, technology resource support, and ethical issues. Students will investigate information technology careers and certifications in networking, programming and IT support services. Units would include, but not be limited to, exploring concepts in networking, programming, and support services, computer hardware components and peripherals, system and application software, and impact of technology on society.</p>			

<b>506W</b>	<b>Microcomputer Applications</b>	Credits: 5	Grade 11-12
Dual-Credit: Yes	Academy: BMM	Academy Level: Foundational	Prerequisites: Information Technology Applications 1
<p>Microcomputer Applications WNCC INFO-1100 - This advanced semester-long course is a continuation of Info Tech App 1. Students will create more advanced documents, spreadsheets, databases, and presentations suitable for course work, professional purposes, and personal use. Components will be studied individually and will also be integrated into small projects. Students will have opportunities to test for Microsoft Certifications in Word, PowerPoint, and Excel. This course can fulfill the Computer Science requirement for graduation.</p>			

<b>559</b>	<b>Entrepreneurship</b>	Credits: 5	Grade: 11-12
Dual-Credit: No	Academy: All Career Academies	Academy Level: Foundational & Specialized	Prerequisites: Intro to Business or Management & Leadership.
<p>This course is designed for students with a career interest in entrepreneurship. Emphasis is placed on the evaluation of the business skills and commitment necessary to successfully operate an entrepreneurial venture and review the challenges and rewards of entrepreneurship. The role of entrepreneurial businesses in the United States and the impact on the national and global economy will be explored. Instructional strategies include the development of a business plan, operation of a school-based business, or actual creation of a student-run business. Students taking this course are eligible to join DECA.</p>			

<b>520</b>	<b>Business Law</b>	Credits: 5	Grade 10-12
Dual-Credit: No	Academy: BMM	Academy Level: Elective	Prerequisites: None
<p>A course designed to present the study of the legal rights and responsibilities necessary to be informed and productive citizens. Key concepts include contracts and torts, the role of courts, litigation, and constitutional issues including civil and criminal law. Students taking this course are eligible to join DECA.</p>			



<b>6760B/6761B/ 6770B/6771B</b>	<b>Intro to Cosmetology</b>	Credits: 20	Grade 12
Dual-Credit: No	Academy: BMM	Academy Level: Specialized	Prerequisites: None

The Introductory level course consists of 300 hours of training and will be blocked for the entire year. This course is a combination of classroom lectures and classroom practice of basic skills. Skill development is stressed prior to assignment to the clinic floor as Juniors and Seniors. The following subject areas are covered: Haircutting, Shampooing, Wave and Curl Formations, Scalp Treatments, Chemical Texture Services, Facials, Braiding, Nebraska Cosmetology Law, Hairstyling, Professional Image, Manicuring and Pedicuring, Hair Coloring, Facial Makeup, and Safety and Sanitation.

<b>535W</b>	<b>Introduction to Business (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: BMM	Academy Level: Specialized	Prerequisites: Foundation Completion

This course offers an introductory study and overview of the role of business in society, as well as a discussion of the various disciplines of business including an overview of business organization, management, marketing, human resource management, and finance. There is also a study and discussion of various strategies for success of specific public and private firms, as well as small business. Business vocabulary is used to understand, analyze, and interpret business news and information.

<b>546W</b>	<b>Principles of Macroeconomics (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: BMM, AFNR	Academy Level: Specialized	Prerequisites: Foundation completion

This course is a study of the "big ideas" of macroeconomics such as GDP, inflation, unemployment, labor, and international trade. A look at public-policy decision making using macroeconomic theories such as monetary policy, fiscal policy, and other economic-stabilization theories are presented. This course will also examine the challenges facing the global economy.

<b>522W</b>	<b>Microeconomics (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: BMM	Academy Level: Specialized	Prerequisites: Foundation completion

This course provides an analysis of perfect and imperfect markets, including the behavior of producers and consumers. Topics covered include price and income elasticity, public and private goods, income distribution, market structures, production costs, resource allocation, comparative advantage, and economic problems.

<b>534W</b>	<b>Principles of Management (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: BMM	Academy Level: Specialized	Prerequisites: Foundation completion

This course introduces management theory and practice with an emphasis on the primary functions of planning, organizing, leading, and controlling. Topics will include the ever-changing challenges and opportunities within the management field.

<b>536W</b>	<b>Principles of Accounting 1 (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: BMM	Academy Level: Specialized	Prerequisites: Foundation completion
<p>This course is designed to provide introductory knowledge of financial accounting principles, concepts, and practices. Topics include the balance sheet, income statement, statement of equity, statement of cash flows, journals, ledgers, accruals, adjusting and closing entries, internal controls, inventories, fixed and intangible assets, liabilities, equity, and financial statement analysis.</p>			

<b>537W</b>	<b>Principles of Accounting 2 (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: BMM	Academy Level: Specialized	Prerequisites: Foundation completion
<p>This course is a continuation of ACCT-1200 and covers cost relationship, statement analysis, and other accounting techniques used for management purposes and decision making.</p>			

<b>542W</b>	<b>Office Management (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: BMM	Academy Level: Specialized	Prerequisites: Foundation completion
<p>In this course the student will demonstrate the characteristics and personal qualities important in administrative office management. Students will learn about employer-employee expectations, projecting professional images, ethics, workplace teams, and communication skills. Workplace skills with document preparation will also be covered.</p>			

<b>539W</b>	<b>Business Communications (BSAD 1210) (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: BMM	Academy Level: Specialized	Prerequisites: Foundation completion and ACCUPLACER or ACT score.
<p>The student is introduced to the foundations of written and verbal communications. Students practice the writing process in letters, emails, memos, reports, and proposals. Presentation skills are introduced. The employment process is covered. Keyboarding skills are recommended.</p>			

<b>526W</b>	<b>Achieving College Success (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: BMM	Academy Level: Specialized	Prerequisites: None
<p>This course is designed to help students create greater success in college and life. It will teach proven strategies for producing greater academic, professional, and personal success.</p>			

# COMMUNICATION, ARTS & TECHNOLOGY



## Grade 9 & 10

Pre-Career Academy Courses

- Intro to Digital Design (All Pathways)
- Intro to Theatre, Theatre (VPA Path)
- Intro to Art, Art 2, Art 3 (VPA Path)
- Journalism (JB Path)
- Intro to Music Tech (VPA Path)



## Grade 11

Foundational Career Academy Courses (30 Credits)

- English Elective or AP Language\*
- Pathway Options (must select 2 based on interest and prerequisites)
  - Digital and Graphic Design (All Pathways)
  - Studio Art/Digital Media Art (VPA Path)
  - Music Tech (VPA Path)
  - Video Production (JB Path)
  - Theatre (VPA Path)
  - Technical Theatre (VPA Path)
  - Publications (JB Path)
  - Marketing/Marketing Management (All Pathways)



## Grade 12

Specialized Academy Pathway (select 30 credits from Pathway of emphasis)

### Digital and Graphic Design (DGD) Pathway

- English Comp 1 (ENGL 1010)\*
- English Comp 2 (ENGL 1020)\*
- Advanced Digital and Graphic Design
- Advanced Video Production
- Principles of Marketing (BSAD 2520)
- Internship

### Journalism and Broadcasting Pathway (JB)

- English Comp 1 (ENGL 1010)\*
- English Comp 2 (ENGL 1020)\*
- Advanced Digital and Graphic Design
- Advanced Video Production
- Publications
- Principles of Marketing (BSAD 2520)
- Internship

### Visual and Performing Arts Pathway (VPA)

- English Comp 1 (ENGL 1010)\*
- English Comp 2 (ENGL 1020)\*
- Advanced Music Tech
- Advanced Studio Art
- Advanced Digital Media Art
- Advanced Theatre
- Advanced Technical Theatre
- Advanced Digital and Graphic Design
- Principles of Marketing (BSAD 2520)
- Internship

\*At the Foundational or Specialized Level identified courses may be substituted with counselor or administrative approval and based on student's academic readiness.

<b>508</b>	<b>Intro to Digital Design</b>	Credits: 5	Grade 9-10
Dual-Credit: No	Academy: CAT/BMM	Academy Level: Pre-Academy	Prerequisites: None
<p>This course will introduce students to the technical tools and processes used in digital design. Students will be introduced to the design process model which includes typography, color, and imagery. In addition, design software will be utilized to create graphics, animation, web pages, and video. Students will demonstrate proper use of fair use guidelines. Career opportunities in digital design will be explored.</p>			

<b>514/515</b>	<b>Digital and Graphic Design</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: CAT/BMM	Academy Level: Foundational	Prerequisites: Intro to Digital Design
<p>Digital and Graphic Design is a foundational course within the CAT Academy where students focus on developing advanced skills to plan, design, and create interactive projects using the elements of text, graphics, animation, sound, video, and digital imaging through interactive projects. In addition, students will learn basic principles of web design. These skills can prepare students for entry-level positions and other occupational or educational goals. This course may be taken in the academy or out of the academy.</p>			

<b>518/519</b>	<b>Advanced Digital and Graphic Design</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: CAT/BMM	Academy Level: Specialized	Prerequisites: Foundation Completion
<p>Advanced Digital Design is the final course in the Digital Design Pathway. Students focus on integrating computer skills and promoting individual design concepts and approaches in digital design. Studio problems are used to continue study in a variety of visual disciplines. The course includes organized learning experiences that incorporate a variety of visual art techniques as they relate to the real world of digital design: composition, color theory, illustrations, displays, promotional materials, packaging, logos, motion graphics, and the manipulation of photographic images.</p>			

**Intro to Art, Art 2, and Art 3 - See Fine Arts**

<b>866</b>	<b>Studio Art</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: CAT	Academy Level: Foundation	Prerequisites: Art 2 and Art 3 or Teacher Approval on Submission of Portfolio
<p>Students will create expressive artwork or art products and build their portfolios by independently exploring subjects and themes. In addition, students will incorporate materials and historical references to make aesthetic choices reflecting their own sense of personal style.</p>			

<b>867</b>	<b>Digital Media Art</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: CAT	Academy Level: Foundational	Prerequisites: Intro to Digital Design, Art 2 and Art 3 or Teacher Approval on Submission of Portfolio
<p>In Digital Media Art, students will learn the skills and tasks of real world creative digital art careers using technology. Students will learn various processes, applications and advanced digital techniques. Students will communicate ideas and messages creatively in user interfaces, corporate branding and product design. Students will have opportunities to analyze art elements and evaluate various forms of digital media art within project-based units.</p>			

<b>864/865</b>	<b>Advanced Studio Art/ Advanced Digital Media Art</b>	Credits: 10	Grade 12
Dual-Credit: No	Academy: CAT	Academy Level: Specialized	Prerequisites: Foundation Completion
In this year-long course, students will demonstrate their personal style in the creative process by creating a body of artwork or an art product. In addition, students will learn how to market and promote their talents for future career opportunities.			

<b>836/837</b>	<b>Video Production</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: CAT	Academy Level: Foundational	Prerequisites: Intro to Digital Design
Students will expand their media skills of interviewing, reporting, writing, editing, videography, and design. Students will explore careers while working together to create projects in a variety of media, such as audio, video, and broadcasting. The emphasis of Video Production is on collaboration and career exploration.			

<b>838/839</b>	<b>Advanced Video Production</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: CAT	Academy Level: Specialized	Prerequisites: Foundation Completion
Students will apply their media skills of interviewing, reporting, writing, editing, videography, and design. Students will produce in media outlets such as broadcast, video, audio, Internet, and/or mobile. The emphasis of Advanced Video and Broadcasting is to work both independently and collaboratively to create a professional product while meeting deadlines.			

**Marketing/Management and Principles of Marketing** - See Business, Marketing, and Management

<b>868</b>	<b>Intro to Theatre</b>	Credits: 5	Grade 9-10
Dual-Credit: No	Academy: CAT	Academy Level: Pre-Academy	Prerequisites: None
Students in this semester-long class will learn about different styles of theatre, will work to become comfortable speaking and performing in front of an audience, and will learn the basics of technical theatre. Students in Intro to Theatre also will perform in a short play at the end of the semester.			

<b>870/871</b>	<b>Theatre</b>	Credits: 10	Grade 10-12
Dual-Credit: No	Academy: CAT	Academy Level: Foundational & Specialized	Prerequisites: Intro to Theatre
Theatre is a year-long class designed to give students a closer look at the art of Theatre. We will be discussing the history of theatre, elements of theater, and purpose of theater. In addition to these discussions, we will have many opportunities to flex our acting muscles and learn to use our instruments: voice and body. Then we will take what we have learned and perform for the public. Students may take a second year of Theatre with teacher permission.			

<b>878/879</b>	<b>Advanced Theatre</b>	Credits: 10	Grade 12
Dual-Credit: No	Academy: CAT	Academy Level: Foundational & Specialized	Prerequisites: Theatre

This course is designed to prepare the serious theatre student for life in the theatre beyond the high school arena. The main focus of the class will be to prepare audition pieces and portfolios for college entrance, scholarships or professional auditions. Through a rigorous series of creative projects, the advanced theatre student is challenged to work as an actor, director, theater technician, and theatre manager. Students study advanced principles of acting and character analysis including an exploration of objectives, obstacles, choices and given circumstances.

<b>834</b>	<b>Intro to Music Technology</b>	Credits: 5	Grade 9-10
Dual-Credit: No	Academy: CAT	Academy Level: Pre-Academy	Prerequisites: None

Intro to Music Technology is a one-semester introductory course. Prior knowledge of music is helpful, but not necessary. Music Tech students will learn basic music concepts through the use of digital music software. Music Technology will explore emerging technologies related to music composition, recording and performance. Through lab projects students will learn basic musical composition and notation using MIDI. Students will learn fundamentals of digital music production. Students will also learn the technology involved in live performance, including theatre technology and live sound reinforcement. Preference will be given to students enrolled in Band, Choir, or Orchestra.

<b>830/831</b>	<b>Music Tech</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: CAT	Academy Level: Foundation	Prerequisites: Intro to Music Tech

This year-long course is for the musician who wishes to learn the technical side of the music industry. Students will learn the basics of songwriting, composition, digital recording, lighting design, live sound, and stage technology. In order to successfully complete the course, students will propose and create a final project based on the skills learned in the course.

<b>832/833</b>	<b>Advanced Music Tech</b>	Credits: 10	Grade 12
Dual-Credit: No	Academy: CAT	Academy Level: Specialized	Prerequisites: Foundation Completion

This year-long course is an advanced continuation of Music Technology. Students will continue to build on the skills learned in Music Tech. In order to successfully complete the course, students will suggest and create an advanced final project based on the skills learned in the course.

**Journalism** - See English

<b>158/159</b>	<b>Publications</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: CAT	Academy Level: Foundational & Specialized	Prerequisites: Journalism
Publications is the combination of Scottsbluff High School's yearbook and newspaper staff. In Bluff staff (yearbook), students are responsible for writing and publishing the school yearbook. In the Echoes staff (newspaper), students are responsible for writing and publishing the school newspaper, web page, and other media outlets. Students may take two years of Bluff Staff and Echoes Staff after completing Journalism.			

<b>880/881</b>	<b>Technical Theatre</b>	Credits: 10	Grade : 10-12
Dual-Credit:	Academy: CAT	Academy Level: Foundational & Specialized	Prerequisites: Theatre
This course focuses on the “non-acting” aspects of Theatre. We will look at the “behind the scenes” aspects of what theatre is and how it happens. Then we will take what we have learned and produce a play. This class will learn about lighting, sound design, set building, costuming, makeup, and other technical skills. This class will work on these skills for the same show that the Theatre/Advanced Theatre class is working on each semester.			

<b>8800/8811</b>	<b>Advanced Technical Theatre</b>	Credits: 10	Grade : 12
Dual-Credit:	Academy: CAT	Academy Level: Foundational & Specialized	Prerequisites: Technical Theatre
Advanced Technical Theatre is designed to allow seniors to take on leadership roles. Students will be crew heads and will work closely with the teacher to make all parts of the show create a cohesive production.			

# HEALTH SCIENCES



## Grade 9 & 10

Pre-Career Academy Courses

- Introduction to Health Sciences
- PLTW Principles of Biomedical Science
- Human Biology (10)



## Grade 11

Foundational Career Academy Courses (30 Credits)

- Anatomy & Physiology or Human Biology
- Medical Interventions
- Medical Terminology
- Psychology
- Elective Option: Basic Nursing Assistant (HLTH 1195)



## Grade 12

Specialized Academy Pathway (select 30 credits from Pathway of emphasis)

### Medical Specialties and Technology Pathway

- Basic Nursing Assistant (HLTH 1195)
- General Biology (BIOS 1010)
- Body Structure & Function (LPNR 1110)
- Fundamentals of Phlebotomy (MEDT 1010)
- Chemistry or AP Chemistry
- Med Aide (HLTH 2190)
- EMT (EMSP 1500)
- Internship

### Nursing Pathway

- Basic Nursing Assistant (HLTH 1195)
- Chemistry or AP Chemistry
- AP Statistics
- Human Anatomy and Physiology 1 (BIOS 2250)
- Human Anatomy and Physiology 2 (BIOS 2260)
- General Biology (BIOS 1010)
- Med Aide (HLTH 2190)
- Life Span: Human Growth & Development (PSYC 2150)
- Nutrition and Diet Therapy (BIOS 2050)
- Internship

### Medicine (Pre) Pathway

- Chemistry or AP Chemistry
- AP Calculus AB\*
- General Biology (BIOS 1010)
- Human Anatomy and Physiology 1 (BIOS 2250)
- Human Anatomy and Physiology 2 (BIOS 2260)
- Microbiology (BIOS 2460)
- Sports Medicine
- Internship

### Health Information Systems Pathway

- English Comp 1 (ENGL 1010)\*
- Intro to Health Information Management (HIMS 1250)
- Info Systems in Healthcare (HIMS 2200)
- Disease Process (HIMS 1410)
- Intro to Information Technology (INFO 1220)
- Database (Access) (INFO 1040)
- Legal and Ethical Aspects of HIMS (HIMS 1500)
- Internship

\*At the Foundational or Specialized Level identified courses may be substituted with counselor or administrative approval and based on student's academic readiness.



<b>344</b>	<b>Intro to Health Sciences</b>	Credits: 5	Grade 9-10
Dual-Credit: No	Academy: HS	Academy Level: Pre-Academy	Prerequisites: None
Introduction to Health Science is designed to give an overview of the therapeutic, diagnostic, support services, biotechnology, research, and health informatics pathways. The course focuses on health careers, exploration, leadership development, medical terminology, ethical and legal responsibilities, and the history and economics of healthcare.			

<b>346/347</b>	<b>PLTW: Principles of Biomedical Sciences</b>	Credits: 5	Grade 9-10
Dual-Credit: No	Academy: HS	Academy Level: Pre-Academy	Prerequisites: None
In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.			

<b>338/339</b>	<b>Human Biology</b>	Credits: 10	Grade 10-12
Dual-Credit: No	Academy: HS	Academy Level: Foundational	Prerequisites:
Using the PLTW HBS curriculum, students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Manikin®; use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on the roles of biomedical professionals to solve real-world medical cases.			

Human Biology - See Science

<b>340/341</b>	<b>PLTW Medical Interventions</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: HS	Academy Level: Foundational	Prerequisites: Principles of Biomedical Sciences and Biology
Using the <b>PLTW</b> Medical Interventions curriculum, students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics.			

<b>332HEAL</b>	<b>Medical Terminology</b>	Credits: 5	Grade 11-12
Dual-Credit: Yes	Academy: HS	Academy Level: Foundational	Prerequisites: One of the following: PLTW Principles of Biomedical Sciences, or Human Biology; or Instructor Approval for students outside of the Health Science Career Academy.

This semester-long dual-credit class is designed to develop a working knowledge of the language of medicine. In this class, students will acquire word-building skills by learning prefixes, suffixes, roots, and abbreviations. Utilizing a body systems approach, students will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology.

<b>336</b>	<b>Basic Nursing Assistant</b>	Credits: 10	Grade 11-12
Dual-Credit: Yes	Academy: HS	Academy Level: Specialized	Prerequisites: One of the following: PLTW Principles of Biomedical Sciences. Concurrent with Human Biology or Anatomy & Physiology; or Instructor Approval for students outside of the Health Science Career Academy.

This course is designed to instruct students in becoming Basic Nursing Assistants. The course provides the essential knowledge and skills to provide basic care and skills to residents/clients of healthcare facilities including such topics as resident rights, communication, safety, observation, reporting and assisting residents/clients in maintaining basic comfort and safety. It is designed to meet the training requirements of the federal and Nebraska state law for nursing assistants working in licensed facilities. Students may receive certification upon taking the state exam. Students must be 16 years of age to sit for the exam. This course may be taken in the academy or out of the academy.

<b>354W</b>	<b>Body Structure and Function (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HS	Academy Level: Specialized	Prerequisites: Foundation Completion and Comp I OR ACT score OR ACCUPLACER score.

This course is planned to give the practical nursing student a working knowledge of body structure and function from the cell to the body systems.

<b>353W</b>	<b>Fundamentals of Phlebotomy (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HS	Academy Level: Specialized	Prerequisites: Foundation Completion and Medical Terminology and WNCC Intro to Clinical Laboratory. Microcomputer App can be taken before or concurrently.

This course provides basic and advanced instruction on techniques, procedures, equipment, and issues pertaining to the proper collection of blood specimens for routine clinical laboratory testing. Emphasis is placed on infection prevention, universal precautions, proper patient identification, specimen processing, patient complications, arterial draw, unusual tests, non-blood specimens, quality assurance, and legal issues. A laboratory is run concurrently with the lecture.

<b>337W</b>	<b>EMT Basics 1 (WNCC)</b>	Credits: 10	Grade 12
Dual-Credit: Yes	Academy: HS	Academy Level: Specialized	Prerequisites: Foundation Completion ***Also contingent upon current CPR card, Up-to-date immunizations, physical examination, criminal background check and other items per WNCC program requirements.
This course is designed to prepare students for basic prehospital emergency care and transport through classroom, hands-on labs, and clinical experiences. Upon successful completion of the course, the student will be eligible to take the National Registry examination for Emergency Medical Technicians EMT written and psychomotor skills examination.			

<b>343</b>	<b>Medication Aide</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HS	Academy Level: Specialized	Prerequisites: Basic Nursing Assistant
This semester-long dual-credit course is designed to prepare the learner to assume the role and responsibilities of the Medication Aide. The curriculum is designed to meet the minimum basic requirements for medication aides in medication administration and pharmacology. Upon successful completion of the course, the student will be eligible to sit for an exam administered by the Nebraska Department of Health and Human Services. Successful completion of this exam will approve the student as a Medication Aide.			

<b>354/355</b>	<b>Sports Medicine</b>	Credits: 10	Grade 12
Dual-Credit: No	Academy: HS	Academy Level: Specialized	Prerequisites:-Principles of Biomedicine, and Anatomy & Physiology
The Intro to Sports Medicine course is a year-long course that will actively engage students while focusing on the basic information and skills. These learning experiences will allow students to explore fundamental questions about the recognition of, care, prevention, and preliminary rehabilitation of athletic injuries as well as nutrition, sports psychology, and organizational, legal, and administrative considerations of the sports medicine profession. This course will build on and deepen the student's understanding of the content learned in previous health science coursework. It will include classwork, hands-on application, community field trips, and field experiences with the Athletic Trainer, Activity Director, and different athletic teams.			

<b>342W</b>	<b>Life Span: Human Growth &amp; Development (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HS and HSE	Academy Level: Specialized	Prerequisites: Foundation Completion, Intro to Psychology, and ACT or ACCUPLACER Score
This course is an introduction to the basic concepts and issues of biological and psychological growth and development from conception through old age. Emphasis is placed on biophysical, cognitive, and psychosocial development throughout the lifetime. Applied aspects of developmental psychology are emphasized in the course.			

<b>339W</b>	<b>Nutrition and Diet Therapy (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HS	Academy Level: Specialized	Prerequisites: Foundation Completion and College General Biology
<p>This semester-long dual-credit course is intended for students to learn basic nutritional information for the medical field. Included are the basic nutrients and their functions, food sources, and the effects of deficiencies. There is an emphasis on correct information to combat food faddism. Planning for normal nutrition through the life cycle and special needs of the elderly, children and pregnant women is discussed, as well as sanitation of food, legislation, and labeling as it affects the food supply.</p>			

**Anatomy & Physiology - See Science**

<b>322W</b>	<b>Human Anatomy and Physiology 1 (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HS	Academy Level: Specialized	Prerequisites: Foundation Completion and College General Biology
<p>Topics covered in this course include an introduction to human anatomy and physiology, including the chemical basis of life; cells; cellular metabolism, tissues; skeletal, integumentary, joint, muscular, and nervous systems; and somatic and special senses.</p>			

<b>323W</b>	<b>Human Anatomy and Physiology 2 (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HS	Academy Level: Specialized	Prerequisites: Human Anatomy and Physiology 1 (WNCC)
<p>This course is a continuation of BIOS-2250. Topics covered include the structure and function of the circulatory, respiratory, digestive, endocrine, reproductive, and excretory systems. Also included is a study of the fluid electrolyte and pH balances of the body.</p>			

<b>300W</b>	<b>Microbiology (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HS	Academy Level: Specialized	Prerequisites: Foundation Completion and College General Biology
<p>This course is a study of microbiology with emphasis on the structure of microbial cells, their nutrition and growth, control of growth, genetics and genetic engineering, metabolic and biosynthesis activity, and host-parasite interactions. Accompanying laboratory study emphasizes microbiological techniques including microbial control and manipulation.</p>			

<b>3523W</b>	<b>Introduction to Health Information Management (WNCC Online)</b>	Credits: 5	Grade 12
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Dual-Credit: Yes	Academy: HS	Academy Level: Specialized	Prerequisites: Foundation Completion
<p>This course explores a career in health information, the American Health Information Management Association (AHIMA), and the benefits and responsibilities of achieving credentialed status as a Registered Health Information Technician (RHIT). Content and structure of patient records; quantitative and qualitative analyses of the documentation of patient care; storage methods; and retrieving patient data elements will be explored. Students will be introduced to the various functions performed in a health record department with emphasis on maintaining confidentiality of patient data.</p>			

<b>352W</b>	<b>Info Systems in Healthcare (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HS	Academy Level: Specialized	Prerequisites: Intro to Health Information Management HIMS 1250
<p>This course explores a career in health information, the American Health Information Management Association (AHIMA), and the benefits and responsibilities of achieving credentialed status as a Registered Health Information Technician (RHIT). Content and structure of patient records; quantitative and qualitative analyses of the documentation of patient care; storage methods; and retrieving patient data elements will be explored. Students will be introduced to the various functions performed in a health record department with emphasis on maintaining confidentiality of patient data.</p>			

**\*\*Note: Some specialized course descriptions will only be available in the WNCC or CSC catalogs.**

# HUMAN SCIENCES & EDUCATION



## Grade 9 & 10

Pre-Career Academy Courses

- Intro to Human Sciences & Education (ED, HS & EC Path)
- Foundations of Law (CJL Path)
- Human Growth and Development (ED, HS & EC Path)
- Child Development (EC Path)



## Grade 11

Foundational Career Academy Courses (30 Credits)

- English Elective or AP Language\*
- Psychology or College Psychology and Sociology
- Pathway Options (must select 2 based on interest and prerequisites)
  - Exploring Education/Best Practices in Education (ED and EC Path)
  - Criminology/Criminal Justice Procedure (CJ Path)
  - Family Supports and Interventions/Careers in Human Services (HS Path)



## Grade 12

Specialized Academy Pathway (select 30 credits from Pathway of emphasis)

### Criminal Justice and Law (CJ) Pathway

- English Comp 1 (ENGL 1010)\*
- English Comp 2 (ENGL 1020)\*
- Intro to Criminal Justice (CRIM 1010)
- Intro to Corrections (CRIM 1020)
- Police & Society (CRIM 2030)
- Criminal Procedure (CRIM 2080)
- Internship

### Early Childhood Education (EC) Pathway

- English Comp 1 (ENGL 1010)\*
- English Comp 2 (ENGL 1020)\*
- Introduction to Early Childhood Education (ECED 1150)
- Expressive Arts (ECED 1050)
- Infant/Toddler Development (ECED 1110)
- Preschool Child Development (ECED 1120)
- Early Childhood Practicum
- Life Span: Human Growth & Development (PSYC 2150)
- Internship

### K-12 Education (ED) Pathway

- English Comp 1 (ENGL 1010)\*
- English Comp 2 (ENGL 1020)\*
- Field Experience in Education
- Introduction Professional Education (EDUC 1110)
- Math for Elementary Teachers (MATH 1180)/or Elective Interest Area\*
- Education Psychology (EDUC 2000)
- Life Span: Human Growth & Development (PSYC 2150)
- Internship

### Human Sciences (HS) Pathway

- English Comp 1 (ENGL 1010)\*
- English Comp 2 (ENGL 1020)\*
- Intro Human Service Work (HUSR 1620)
- Case Assess/PIng/Mng (HUSR 1800)
- Professional Ethics and Issues (HUSR 2380)
- Multicultural Counseling (HUSR 2450)
- Life Span: Human Growth & Development (PSYC 2150)
- Internship

\*At the Foundational or Specialized Level identified courses may be substituted with counselor or administrative approval and based on student's academic readiness.

<b>664</b>	<b>Intro to Human Sciences and Education</b>	Credits: 5	Grade 9-10
Dual-Credit: No	Academy: HSE	Academy Level: Pre-Academy	Prerequisites: None
<p>This course is intended to enable students to have a broad scope of experiences that will provide an overview and fundamental knowledge of Human Sciences with a foundation in family and consumer sciences. Students will explore career possibilities and develop a personal learning plan. Students will practice basic life and career readiness skills, and learn to apply them to personal life situations.</p>			

<b>668</b>	<b>Human Growth and Development</b>	Credits: 5	Grade 9-10
Dual-Credit: No	Academy: HSE	Academy Level: Pre-Academy	Prerequisites: None
<p>This course covers the study of human development (physical, mental, emotional and social) through the entire lifespan. Content includes how to develop positive interactions with others and how development can be guided at each age.</p>			

<b>686</b>	<b>Child Development</b>	Credits: 5	Grade 9-10
Dual-Credit: No	Academy: HSE	Academy Level: Pre-Academy	Prerequisites: None
<p>This course integrates knowledge, skills, and practices necessary for nurturing the growth and development of children. The study of the biological, psychological and social development of young children will be studied in addition to effective parenting and child care practices.</p>			

**Psychology, Intro to Psychology and Sociology - See Social Sciences**

<b>692</b>	<b>Exploring Education</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: HSE	Academy Level: Foundational	Prerequisites: Human Growth and Development or Intro to Human Sciences and Education
<p>This course is designed to help students explore professional or learning support positions in education, and education-related careers and training. Students will research the profession of teaching, along with personality and leadership traits that contribute to a successful teacher. The course will provide an overview of ethics and professionalism, societal influences, classroom management and practices, and the understanding of the educational governance structure.</p>			

<b>693</b>	<b>Best Practices in Education</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: HSE	Academy Level: Foundational	Prerequisites: Human Growth and Development or Intro to Human Sciences and Education, and Exploring Education
<p>This course provides students with volunteer experience in fields related to education. Goals are cooperatively set by the student and supervising teacher so that students increase their understanding about the roles and responsibilities of a teacher. Opportunities may include experiencing teaching in a controlled setting by designing learning experiences and giving presentations. Classroom instruction could include questioning, developing objectives and assessments, safety practices, IEP development, and technology applications.</p>			

<b>689</b>	<b>Early Childhood Practicum</b>	Credits: 10	Grade 12
Dual-Credit: No	Academy: HSE	Academy Level: Specialized	Prerequisites: Foundation Completion
This course provides an examination of various types of early childhood programs and the licensure requirements related to each program. Students will participate in planning and evaluation, as well as work with children with special needs. Students will partner with local daycare providers to receive hands-on experience with young children.			

<b>682BW</b>	<b>Intro to Early Childhood Education (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HSE	Academy Level: Specialized	Prerequisites: Foundation Completion
The course provides an overview of the history, trends, and the philosophies of early childhood education. Diversity, inclusion, licensing standards, current legislation, professionalism, and advocacy are examined.			

<b>8857W</b>	<b>Expressive Arts (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HSE	Academy Level: Specialized	Prerequisites: Foundation Completion
This course focuses on the development and application of materials, activities, and experiences that encourage the young child's (birth – 8 years) creativity and aesthetic appreciation through the visual arts, music, body movement, and dramatic play.			

<b>683BW</b>	<b>Infant, Toddler Development (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HSE	Academy Level: Specialized	Prerequisites: Foundation Completion
This course focuses on typical/atypical development of children in the prenatal period of development through 36 months. Planning curriculum in the domains of physical growth and motor skills, cognition and language, and social/emotional development are examined.			

<b>689BW</b>	<b>Preschool Child Development (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HSE	Academy Level: Specialized	Prerequisites: Foundation Completion
This course focuses on typical/atypical development of the child ages three through five years, in the domains of physical growth and motor skills, cognition and language, and social/emotional development.			



<b>699</b>	<b>Field Experience in Education</b>	Credits: 10	Grade 12
Dual-Credit: No	Academy: HSE	Academy Level: Specialized	Prerequisites: Foundation Completion
<p>This course is the third course in a three-course sequence. Through this capstone experience, students will apply previously developed knowledge and skills into a structured workplace experience. This experience may take place within a school environment for those seeking teaching careers, or within the business and industry community for those seeking careers in professional and educational training. Goals are set cooperatively by students, their instructors, and respective supervising professionals. Opportunities may include experience teaching in a controlled setting by designing learning experiences and facilitating presentations. Students will focus on improving their instructional strategies through coaching from their supervising teacher and supervising professionals. Classroom, laboratory, and educational leadership activities are supplemented through Nebraska Educators Rising, a career and technical student organization.</p>			

<b>696W</b>	<b>Intro Professional Education (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HSE	Academy Level: Specialized	Prerequisites: Foundation Completion and ACT or ACCUPLACER Score
<p>This course provides an overview of education in the United States in terms of history, philosophy, finance, and governance. It encourages critical thought regarding the role of education in an ever-changing diverse society, the role of the teacher, and educational practices in schools. The course is designed to help students explore education as a prospective career. Ten hours of observation in classrooms are required.</p>			

<b>698W</b>	<b>Math for Elementary Teachers (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HSE	Academy Level: Specialized	Prerequisites: Foundation Completion and ACT or ACCUPLACER Score
<p>This semester-long dual-credit course presents the basic structure of the whole number system, integer systems, and rational numbers. Designed primarily for prospective elementary teachers, this is a fairly rigorous treatment of the basic operations of arithmetic using an axiomatic approach.</p>			

<b>697W</b>	<b>Education Psychology (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HSE	Academy Level: Specialized	Prerequisites: Foundation Completion and Intro to Psychology
<p>This course is a study of the three focal areas in education: the learner, the learning process, and the learning environment. It is a survey of the principles of psychology as applied to classroom teaching; development, learning, motivation, evaluation, and adjustment; and educational techniques and innovations.</p>			

<b>662</b>	<b>Family Supports and Interventions</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: HSE	Academy Level: Foundational	Prerequisites: Human Growth and Development or Intro to Human Sciences and Education
<p>In this course, students identify positive and negative impacts on families during stress, changes in the family life cycle, grief and loss, and mental health disorders. Students will compare and contrast counseling services needed to support families and the types of services available to address conflict and abuse.</p>			

<b>663</b>	<b>Careers in Human Services</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: HSE	Academy Level: Foundational	Prerequisites: Human Growth and Development or Intro to Human Sciences and Education
<p>This course provides a broad overview of the human service provider and client relationships. Students will learn what a human service worker is, what they do and with whom they work. Students will gain a deeper understanding of the mission, values, and goals embraced by the human service profession. Students will acquire the skills needed to do critical thinking, and understand the ethical values and skills needed to successfully assist others. Assignments are based on case studies, ethical dilemmas, and mock treatment plans and meetings.</p>			

<b>250</b>	<b>Foundations of Law, Safety, and Corrections</b>	Credits: 5	Grade 9-10
Dual-Credit: No	Academy: HSE	Academy Level: Pre-Academy	Prerequisites: None
<p>This course provides an exploration of the five pathways of this career cluster: correction, emergency and fire management, law enforcement, legal, security, and protective services, including exposure to careers within all pathways.</p>			

<b>253</b>	<b>Criminal Justice Procedures</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: HSE	Academy Level: Foundational	Prerequisites: Foundations of Law, Safety, and Corrections
<p>This course examines legal aspects of investigation and arrest, as well as rules governing the admissibility of evidence in court. It focuses primarily on police and correctional due process, application of the law, and civil liability concerns. Topics include search and seizure, arrest and interrogation, revocation, probation and parole, probable cause, and other timely issues.</p>			

<b>252</b>	<b>Criminology</b>	Credits: 5	Grade 11-12
Dual-Credit: No	Academy: HSE	Academy Level: Foundational	Prerequisites: Foundations of Law, Safety, and Corrections
<p>This course includes the study of crime, criminal behavior patterns, and the law. Students learn socioeconomic and sociocultural influences that have affected crime over the years. Topics in this course may also cover crime prevention, law enforcement, criminal justice systems, and crime victims.</p>			

<b>252W</b>	<b>Intro to Criminal Justice (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HSE	Academy Level: Specialized	Prerequisites: Foundation Completion and ACT or ACCUPLACER Score
<p>This semester-long dual-credit course provides an overview of the history, development, and philosophies of crime control within a democratic society, including an examination of the criminal justice system with emphasis on the police, the prosecution and defense, the courts, and the correctional agencies.</p>			

<b>255W</b>	<b>Intro to Corrections (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HSE	Academy Level: Specialized	Prerequisites: Foundation Completion and ACT or ACCUPLACER Score
<p>This semester-long dual credit course outlines corrections in a systematic process showing the evolving changes within institutional and community based corrections. Topics include, but are not limited to, the history of corrections, the influence of social thought and philosophy on the development of corrections, the rights of the incarcerated inmate, and the duties of the correctional officer.</p>			

<b>250W</b>	<b>Police and Society (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HSE	Academy Level: Specialized	Prerequisites: Foundation Completion and ACT or ACCUPLACER Score
<p>The semester-long dual credit course is intended to examine the role of police in relationship with law enforcement and American society. Topics include, but are not limited to, the role and function of the police, the nature of police organizations and police work, and patterns of police and community relations.</p>			

<b>251W</b>	<b>Criminal Procedure (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HSE	Academy Level: Specialized	Prerequisites: Foundation Completion and ACT or ACCUPLACER Score
<p>This dual-credit course is a study of the legal limitations within the criminal justice system as contained in the Fourth, Fifth, and Sixth Amendments to the Constitution.</p>			

<b>694W</b>	<b>Intro Human Service Work (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HSE	Academy Level: Specialized	Prerequisites: Foundation Completion
<p>This course provides a general introduction to the field known as human services. The history of the field and how historical and current legislation impact human services will be discussed. The roles of human service workers in various agencies in the community and surrounding areas will be explored. In addition, students are exposed to general skills and values that are important in human service work.</p>			

<b>663W</b>	<b>Case Assessment, Planning, and Management (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HSE	Academy Level: Specialized	Prerequisites: Foundation Completion
<p>This semester-long dual-credit course provides students with the process for collecting data and assessing client information for the purpose of treatment planning. It includes intake and screening, clinical assessment, treatment planning, documentation, case management, discharge, and continuing care for clients related to both addiction treatment and generalist service provision.</p>			

<b>667W</b>	<b>Professional Ethics and Issues (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HSE	Academy Level: Specialized	Prerequisites: Foundation Completion
<p>This course provides a comprehensive review of ethical issues present in human services including informed consent, non-discrimination, confidentiality, client welfare, patient records, client relationships and boundaries, and relationships with other professionals. Moral standards as a human services worker are discussed including scope of practice, consultation, supervision, and societal obligations. Legal implications of failure to follow ethical codes will also be discussed.</p>			

<b>664W</b>	<b>Multicultural Counseling (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: HSE	Academy Level: Specialized	Prerequisites: Foundation Completion
<p>This semester-long dual-credit course includes an education on cultural, social, lifestyle, spiritual, and economic factors relevant to the provision of competent and relevant counseling to varied populations. Specific populations to be discussed include those of differing race and ethnicity, ages, genders, sexual orientation, social class, religion, and ability. Adaptations needed in the helping process to meet the needs of these varied populations is also discussed.</p>			

# SKILLED & TECHNICAL SCIENCES



## Grade 9 & 10

Pre-Career Academy Courses

- Basic Welding (WELD Path)
- Computer Aided Drafting (ENG or CM Path)
- Intro to Skilled & Technical Sciences (CM Path)
- PLTW Intro to Engineering (ENG Path)
- Woods Manufacturing/Advanced Woods Manufacturing (CM Path)



## Grade 11

Foundational Career Academy Courses (30 Credits)

- Physics or Conceptual Physics
- Tech Math or Algebra II or higher\*
- Pathway Options (must select 2 based on interest and prerequisites)
  - PLTW Civil & Architectural Engineering (ENG Path)
  - PLTW Computer Science (ENG Path)
  - PLTW Principles of Engineering (ENG Path)
  - Manufacturing, Auto Body, Auto Tech, Diesel Technology (MNG, AB or AT Path)
  - Principles of Construction (CM Path)



## Grade 12

Specialized Academy Pathway (select 30 credits from Pathway of emphasis)

### Auto Body (AB), AutoTech (AT), Manufacturing (MNG) or Diesel Technology Pathway

- Business Mathematics and/or Tech Math\*
- Workplace Writing and/or Tech Lit\*
- Auto Body, Auto Tech, Manufacturing, Diesel Tech
- Business Communications (BSAD 1210)\*
- Internship

### Engineering (ENG) Pathway

- AP Calculus AB\*
- PLTW Engineering Elective
- Intro to Engineering Design (ENGR 1010)
- Graphics for Engineers (ENGR 1070)
- Chemistry or AP Chemistry
- Statics (ENGR 2020)
- Programming and Problem Solving (ENGR 1020)
- Internship

### Construction/Manufacturing (CM) or HVAC Pathway

- Business Mathematics and/or Tech Math\*
- Advanced Construction
- Workplace Writing and/or Tech Lit\*
- Heavy Equipment
- Electrical Technology
- HVAC
- Internship

\*At the Foundational or Specialized Level identified courses may be substituted with counselor or administrative approval and based on student's academic readiness.

**650 Basic Welding - See Agriculture, Food, and Natural Resources**

<b>630</b>	<b>Computer-Aided Drafting</b>	Credits: 5	Grade 9-10
Dual-Credit: No	Academy: STS	Academy Level: Pre-Academy	Prerequisites:
<p>Students will use computer-aided drafting (CAD) software to design and draw basic 2D and 3D renderings of machine parts. In addition to computer-aided drafting, hand-drafting concepts will also be introduced. Students will learn how to design and draw basic 2D and 3D plans for residential house construction. The newest versions of AutoCAD, Revit, and Inventor software will be taught. Finished drawing plans will be printed in full color on a large format plotter. This is an excellent class for any student considering a career in mechanical engineering, architectural engineering, or interior design.</p>			

<b>636B/637B</b>	<b>PLTW: Intro to Engineering Design</b>	Credits: 5	Grade 9-10
Dual-Credit: No	Academy: STS	Academy Level: Pre-Academy	Prerequisites: Computer-Aided Drafting
<p>Students will use computer-aided drafting (CAD) software to design and draw basic to advanced 2D and 3D renderings of machine parts and mechanical devices. The newest versions of AutoCAD and Inventor software will be taught. Finished drawing plans will be printed in full color on a large format plotter. This is an excellent class for any student considering a career in mechanical engineering.</p>			

<b>642/643</b>	<b>Principles of Engineering</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: STS	Academy Level: Foundational/ Specialized	Prerequisites: Computer Aided Drafting
<p>Using the PLTW curriculum, students will work through problems that engage and challenge. Students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials, and automation. Students develop skills in problem solving, research and design while learning strategies for design process documentation, collaboration, and presentation.</p>			

<b>640B/641B</b>	<b>PLTW: Civil and Architecture Engineering</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: STS	Academy Level: Foundational/ Specialized	Prerequisites: PLTW Intro to Engineering or Principles of Engineering
<p>Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3D architecture design software.</p>			

<b>632</b>	<b>Intro to Skilled and Technical Sciences</b>	Credits: 5	Grade 9-10
Dual-Credit: No	Academy: STS	Academy Level: Pre-Academy	Prerequisites:
<p>Students will develop a comprehensive knowledge of woodworking and develop woodcutting skills while building a project. All phases of woodworking are covered from design to completion. Both manual and power tool equipment are used. This course will help students prepare for advanced classes as well as basic life skills for vocational and avocational study and use. There will be a student fee for participating in this course. Please refer to the Student Handbook.</p>			

<b>634</b>	<b>Wood Manufacturing/ Advanced Woods Manufacturing</b>	Credits: 5	Grade 10-12
Dual-Credit: No	Academy: STS	Academy Level: Pre-Academy	Prerequisites: Intro to Skilled and Technical Sciences
<p>In this class, students will be introduced to advanced woodworking techniques, processes and procedures, and specialty tool use and maintenance. Advanced joinery procedures involved in cabinet construction will be introduced including raised panel doors, how to install Formica, furniture standards, and more. Safety, measurement, planing, machining, fabrication processes, and finish processes will be included. Career opportunities will also be explored. The students will design and construct individual projects throughout the course of study. There will be a student fee for participating in this course. Please refer to the Student Handbook.</p>			

<b>656/659</b>	<b>Principles of Construction</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: STS	Academy Level: Foundational	Prerequisites: Intro to Skilled and Technical Science
<p>In this dual credit course, students will learn the knowledge and skills necessary for building a small construction project. Areas covered include reading blueprints, site layout, footings and flatwork, floor framing, wall and roof framing, installing windows and hanging doors, installing siding, roofing, soffit and fascia, laying shingles, insulating, installing siding, hanging, taping and texturing sheetrock, painting, finishing and installing casing and baseboard, and more. The students will do much of their learning while constructing a real-world project. Appropriate dress and behavior will be required while on site.</p>			

<b>657/661</b>	<b>Advanced Construction</b>	Credits: 20	Grade 12
Dual-Credit: No	Academy: STS	Academy Level: Specialized	Prerequisites: Foundation Completion
<p>This course is designed for the student pursuing a career as a construction professional. Technical skills are combined with planning and management topics to prepare the student for all stages of a project. This course explores opportunities and career pathways within the residential, commercial, and industrial sectors, and walks the student through the planning, execution, and reporting of a project. Appropriate dress and behavior will be required while on site.</p>			

<b>624/625</b>	<b>Computer Science</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: STS	Academy Level: Foundational & Specialized	Prerequisites: PLTW Principles of Engineering, Fundamentals of Technology, or Teacher Recommendation
<p>Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. Computer Science principles help students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. PLTW is recognized by the College Board as an endorsed provider of curriculum and professional development for AP® Computer Science Principles (AP CSP). This endorsement affirms that all components of PLTW CSP's offerings are aligned to the AP Curriculum Framework standards and the AP CSP assessment. This course can fulfill the Computer Science requirement for graduation.</p>			

<b>626W</b>	<b>Intro to Engineering Design (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: STS	Academy Level: Specialized	Prerequisites: Foundation Completion
<p>This course introduces students to the engineering design process, including critical thinking skills and working in multidisciplinary teams. This is done in the context of energy systems and the engineering and technology involved in those systems. The course also introduces students to a variety of engineering disciplines.</p>			

<b>638W</b>	<b>Intro to Circuits and Electronics (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: STS	Academy Level: Specialized	Prerequisites: Foundation Completion
<p>This semester-long dual-credit course provides students with an understanding of basic circuit analysis including direct and alternating currents, AC power, frequency response, and electric machines. The course includes the study of basic electronic circuit elements; resistance, capacitance, and inductance; series/parallel circuit analysis; operational amplifiers; and digital logic and basic diode concepts.</p>			

<b>666W</b>	<b>Statics (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: STS	Academy Level: Specialized	Prerequisites: Foundation Completion and AP Calculus BC
<p>This semester-long dual-credit course is a rigorous presentation and discussion (based on deductive reasoning) of the fundamental principles of the mechanics of rigid bodies: Statics and their application to the solution of engineering problems. Vector Methods are used. Software applications are also part of this course.</p>			



<b>627W</b>	<b>Programming and Problem Solving (WNCC)</b>	Credits: 5	Grade 12
Dual-Credit: Yes	Academy: STS	Academy Level: Specialized	Prerequisites: Foundation Completion
<p>This semester-long dual credit college engineering course introduces students to the engineering problem solving process in the context of high level structured computer programming. The course consists of a sequence of programming assignments that requires students to write computer programs to solve engineering problems. All of the computer assignments are written in MATLAB.</p>			

<b>6500</b>	<b>SFTX-7190-SC166 Basic Heavy Equipment Operator</b>	Credits: 10	Grade 12
Dual-Credit: No	Academy: STS	Academy Level: Specialized	Prerequisites: Foundation Completion
<p>This course will cover basic heavy equipment operation knowledge and techniques. Topics covered include safety, intro to the industry, types of equipment, basic maintenance, pre-start checklists , grading basics and simulator usage for experience.</p>			

<b>6564</b>	<b>Electrical Technology</b>	Credits: 10	Grade 12
Dual-Credit: No	Academy: STS	Academy Level: Specialized	Prerequisites: Foundation Completion
<p>This course is structured to focus on the basics of electrical and electronic fundamentals and to meet the demands of the changing electrical field. The course includes safety training, application of basic wiring theory and terminology, interpretation of electrical terminology, plans, drawings and codes and demonstration of installation of electrical devices to meet NEC Standards.</p>			

**6245/6246 Technical Math - See Math**

<b>6501</b>	<b>Introduction to Careers in the HVAC Industry</b>	Credits: 10	Grade 12
Dual-Credit: No	Academy: STS	Academy Level: Specialized	Prerequisites: Foundation Completion
<p>Students will discover career opportunities in the Heating, Ventilation and Air Conditioning industry. The class will consist of hands-on learning about heating, cooling and ventilation systems along with a basic understanding of electricity. Students will learn about safety, industry terms and tools, as well as the personal and professional skills required to be a successful HVAC technician.</p>			

<b>6552</b>	<b>Diesel Tech Internship</b>	Credits: 10	Grade 11-12
Dual-Credit: No	Academy: STS	Academy Level: Foundational & Specialized	Prerequisites: Basic Shop Skills and Auto Parts Spec.

This course is an off-site course working in collaboration with five local businesses. Students will learn skills specific to various areas of Diesel Technology trades. Each unit will be taught by a different industry partner that specializes in that specific skill. Upon completion, students will be eligible to be placed with one of the five represented businesses for a semester internship.

### Advanced STS Programming Options

<p><u>Auto Body - Collision Repair and Refinish Technology</u></p> <ul style="list-style-type: none"> <li>● <u>Non-Structural Collision Repair</u> <ul style="list-style-type: none"> <li>○ 5480BW Collision Rep Tools &amp; Safety</li> <li>○ 6473BW Basic Metal Repair</li> <li>○ 6471BW Non-Structural Panel Alignment</li> <li>○ 6472BW Advanced Metal Repair</li> <li>○ 6474BW Weld Panel Rpl &amp; Corrosion Pretec</li> <li>○ 6425BW Intro to Weld OR 650 Basic Weld (Credit SHS)</li> </ul> </li> <li>● <u>Automotive Paint &amp; Refinish</u> <ul style="list-style-type: none"> <li>○ 6481BW Refin Equip &amp; Env Practices</li> <li>○ 6480BW Plastics &amp; Adhesives</li> <li>○ 6476BW Refinish Prep</li> <li>○ 6477BW Refinish Materials &amp; App</li> <li>○ 6478BW Color Theory &amp; Finish</li> <li>○ 6479BW Adv Paint App</li> </ul> </li> <li>● <u>Structural Collision Repair</u> <ul style="list-style-type: none"> <li>○ 647W Elec &amp; Mech Components</li> <li>○ 647W Coll Forces &amp; Damage Identify</li> <li>○ 647W Struct Analysis &amp; Straight Equip</li> <li>○ 6482W Struct Repair Process</li> <li>○ 6483W Struct Comp Replacement</li> <li>○ 648W Special Finishes</li> </ul> </li> </ul>	<p><u>Auto Technology Certificate</u></p> <ul style="list-style-type: none"> <li>● <u>Powertrain and Chassis Repair</u> <ul style="list-style-type: none"> <li>○ 6541BW Engine Repair 1</li> <li>○ 6542BW Engine Repair 2</li> <li>○ 6545W Auto Brake Systems</li> <li>○ 6546W Suspension, Steering, &amp; Alignment</li> <li>○ 6547W Chassis Electrical</li> </ul> </li> <li>● <u>Drivetrain and Under Hood Repair</u> <ul style="list-style-type: none"> <li>○ 6550BW Auto Transmission Fundamentals Servicing</li> <li>○ 657W Manual Transmission &amp; Drivetrain</li> <li>○ 6551BW Adv Auto Transmissions</li> <li>○ 661W Automotive Body Electrical</li> <li>○ 659W Automotive Heating &amp; A/C</li> </ul> </li> </ul>
<p><u>Diesel Program</u></p> <ul style="list-style-type: none"> <li>● 6559W Basic Shop Skills</li> <li>● 6543BW Auto Parts Spec</li> <li>● 6570W Safety &amp; Emerg Resp</li> <li>● 6525BW Intro to Weld (WNCC) or 650 Basic Weld (Dual Credit SHS)</li> <li>● Work-based Learning <ul style="list-style-type: none"> <li>○ 6552 Diesel Tech Internship (Aulick Industries with SHS)</li> </ul> </li> <li>● WNCC Certification <ul style="list-style-type: none"> <li>○ 6562W Powertrain</li> <li>○ 6560W Electrical 1</li> <li>○ 6561W Diesel Engines 2</li> <li>○ 6563 Diesel Engines 3</li> </ul> </li> </ul>	