

General Information

Equal Education Opportunity Policy

The Cherokee Community School District does not discriminate on the basis of age, race, national origin, creed, socio-economic status, religion, sex, disability, sexual orientation, gender identity or marital status in educational programs or employment. If you have questions or concerns about any policy or procedure of the district please contact Kim Lingenfelter, Equity Coordinator, 600 W. Bluff St., Cherokee, Iowa 51012. (712) 225-6767. klingenfelter@ccsd.k12.ia.us

Purpose of this Handbook

The purpose of this book is to acquaint students and parents with the grading policies, scheduling policies, and subject offerings at Cherokee Washington High School. It is important for students and parents to read it carefully, consider the student's ability, past achievements, career interests, and then plan a course of study.

Your counselor can play an important role in helping plan a course of study. Your counselor will be working with you individually at registration and is available for questions by phoning 712-225-6755. Please make use of this resource as you plan your course of study. It is the responsibility of the student and their parents to verify with colleges on their admission requirements.

Requirements for Graduation

Forty-nine credits (Pending Board Approval) are needed to graduate from Cherokee Washington High School. Graduation from Cherokee Washington High School requires eight semesters of attendance unless early graduation is applied for and granted according to the Cherokee Community School Board's policy for early graduation.

Of the required credits needed for graduation, the following are required to be taken at WHS or transferred in from an accredited high school when a student moves into the district or open enrolls.

REQUIRED COURSES FOR FRESHMEN (revised 3/17/17)

English

_____ 151 English 9 (1cr./sem.)

Science

_____ 300 Science 9 (1cr./sem.)

Math

_____ 250 Pre-Algebra (1cr./sem.)

_____ 253 Algebra A (1cr./sem.)

_____ 260 Algebra I (1cr./sem.)

_____ 265 Geometry (1cr./sem.)

Physical Education

_____ 146 9-10 Strength/Conditioning

_____ 133 9-10 P.E.

Special Program Indicator:

_____ TAG

_____ RESOURCE (1cr./sem.)

_____ ESL

Career Interest Area:

Freshman Academy:

_____ 235 21st Century Skills (.5 cr./sem.)

_____ 132 9th Health

ELECTIVES: (1 credit / semester) *PREREQUISITE REQUIRED

FINE ARTS

_____ 100 Art Fundamentals (1cr./sem.)

_____ 104 Ceramics I (1cr./sem.)

_____ 105 Folk Art (1cr./sem.)

_____ 106 Drawing (1cr./sem.)

_____ 110 Painting (1cr./sem.)

_____ 113 Art Appreciation (1cr./sem.)

_____ 114 Sculpture*(1cr./sem.)

_____ 123 Intro to Guitar (1cr./sem.) (Not offered until 18-19)

_____ 124 Band (1cr./sem.)

_____ 126 Vocal Music (1cr./sem.)

_____ 130 Intro. Fine Arts (1cr./sem.)

_____ 128 Music Theory*(1cr./sem.)(Not offered in 2018/19)

LANGUAGE ARTS

_____ 164 FAME 1 Foundations*(1cr./sem.)

_____ 165 FAME 2 Adventures*(1cr./sem.)

_____ 186 Creative Writing*(1cr./sem.)

_____ 174 Oral Interpretation/Acting (1cr./sem.)

_____ 200 Spanish I (1cr./sem.)

SOCIAL SCIENCE

_____ 357 Late 20th C Am History (1cr./sem.)

_____ 374 Current Issues (1cr./sem.)

_____ 380 Global Insights (1cr./sem.)

_____ 372 Anthropology (1cr./sem.)

CAREER & TECHNICAL EDUCATION

BUSINESS:

_____ 400 Intro to Business

_____ 431 Computer Apps (1cr./sem.)(Aka Keyboarding)

FAMILY CONSUMER SCIENCE:

_____ 441 Culinary 1(1cr./sem.)

_____ 442 Culinary 2*(1cr./sem.)

_____ 448 Hospitality I (1cr./sem.)

_____ 449 Hospitality II*(1cr./sem.)

_____ 457 Parenting & Child Development (1cr./sem.)

INDUSTRIAL TECH:

_____ 480 Woods (1cr./sem.)

_____ 482 Metals I (1cr./sem.)

_____ 484 Metals II (1cr./sem.)

_____ 487 Intro. To Construction (1cr./sem.)

_____ 490 Drafting (1cr./sem.)

_____ 492 Computer Aided Drafting* (1cr./sem.)

AGRICULTURE/SCIENCE

_____ 301 Intro to Ag. Food, Natural Resources (1cr./sem.)

OTHER

_____ 136 Health Class II (1 cr.)

_____ 439 Computer Support Specialist (1cr./sem.)

_____ 434 Virtual Reality (1cr./sem.)

NO MORE THAN 16 CREDITS TOTAL

Student Signature _____

Date _____

Parent Signature _____

Date _____

It is the responsibility of the students and their parents to verify with colleges their admission requirements

REQUIRED COURSES FOR SOPHOMORES (rev. 3/17/17)

English

_____ 153 English 10

Science

_____ 305 Biology

_____ 305 Biology

Math

_____ 250 Pre-Algebra

_____ 253 Algebra A

_____ 254 Algebra B

_____ 260 Algebra I

_____ 270 Algebra II

_____ 265 Geometry

Social Science

_____ 355 Modern American History

Special Program Indicator

_____ TAG

_____ RESOURCE

_____ STAR

_____ ESL

Physical Education

_____ 133 9-10 Physical Education

_____ 146 9-10 Strength/Conditioning

***Career Interest Area:**

ELECTIVE: *Prerequisite Required

FINE ARTS

_____ 100 Art Fundamentals

_____ 104 Ceramics I

_____ 107 Ceramics II*

_____ 105 Folk Art

_____ 106 Drawing

_____ 107 Ceramics II*

_____ 110 Painting

_____ 113 Art Appreciation

_____ 114 Sculpture*

_____ 123 Intro to Guitar (Not offered 17/18)

_____ 124 Band

_____ 126 Vocal Music

_____ 128 Music Theory*(Not offered 18/19)

_____ 130 Intro. To Fine Arts

LANGUAGE ARTS

_____ 156 British Literature*

_____ 160 World Literature*

_____ 174 Oral Interpretation/Acting

_____ 186 Creative Writing*

_____ 188 Publications I*

_____ 200 Spanish I

_____ 204 Spanish II*

SOCIAL SCIENCE

_____ 357 Late 20th C Am History

_____ 374 Current Issues

_____ 380 Global Insights

_____ 372 Anthropology

CAREER & TECHNICAL EDUCATION

BUSINESS:

_____ 400 Intro to Business

_____ 410 Entrepreneurism*

_____ 420 Accounting I

_____ 431 Computer Apps (AKA Keyboarding Applications)

_____ 405 Business Law

FAMILY CONSUMER SCIENCE:

_____ 441 Culinary 1

_____ 442 Culinary 2*

_____ 444 Culinary 3*

_____ 448 Hospitality I

_____ 449 Hospitality II*

_____ 457 Parenting & Child Development

INDUSTRIAL TECH:

_____ 480 Woods

_____ 481 Advanced Woods*

_____ 482 Metals I

_____ 483 Welding Fundamentals*

_____ 484 Metals II*

_____ 487 Intro. To Construction (1 cr./sem.)

_____ 490 Drafting

_____ 492 Computer Aided Drafting*

_____ 494 Architecture & Tech. Drafting*

AGRICULTURE/SCIENCE:

_____ 301 Intro to Ag Food & Natural Resources

_____ 308 Principles of Ag Science-Animal*

OTHER

_____ 136 Health Class II (1 cr./sem)

_____ 439 Computer Support Specialist

_____ 434 Virtual Reality

STUDENT SIGNATURE _____ **DATE** _____

PARENT SIGNATURE _____ **DATE** _____

**It is the responsibility of the students and their parents to verify with colleges their admission requirements
(NO MORE THAN 16 CREDITS TOTAL)**

REQUIRED COURSES FOR JUNIORS (rev. 3/17/17)

English

_____ 157 English 11

Science

_____ 310 Chemistry*

_____ 320 Physics*

Math

_____ 250 Pre-Algebra

_____ 253 Algebra A

_____ 254 Algebra B*

_____ 260 Algebra I

_____ 270 Algebra II *

_____ 265 Geometry*

_____ 275 Consumer Mathematics*

_____ 280 Pre-Calculus*

Social Science

_____ 385 World History

Special Program Indicator:

_____ TAG

_____ RESOURCE

_____ STAR

_____ ESL

Physical Education

_____ 139 11-12 P.E.

_____ 147 11-12 Strength/Conditioning

Career Interest Area:

ELECTIVES: *Prerequisite Required

FINE ARTS

_____ 100 Art Fundamentals

_____ 104 Ceramics I

_____ 105 Folk Art

_____ 106 Drawing

_____ 107 Ceramics II*

_____ 110 Painting

_____ 113 Art Appreciation

_____ 114 Sculpture*

_____ 122 Independent Studio*

_____ 123 Intro to Guitar (Not offered in 2017/18)

_____ 124 Band

_____ 126 Vocal Music

_____ 128 Music Theory* (Not offered in 2018/19)

_____ 130 Intro. To Fine Arts

LANGUAGE ARTS

_____ 174 Oral Interpretation/Acting

_____ 188 Publications*

_____ 200 Spanish I

_____ 204 Spanish II*

_____ 208 Spanish III*

_____ 156 British Literature*

_____ 158 Films as Literature

_____ 160 World Literature*

_____ 184 Writing III*

_____ 191 Publications II*

_____ 186 Creative Writing

SOCIAL SCIENCE

_____ 355 Modern American History

_____ 357 Late 20th C Am History

_____ 372 Anthropology

_____ 374 Current Issues

_____ 380 Global Insights

_____ 393 Psychology

_____ 394 Sociology

CAREER & TECHNICAL EDUCATION

BUSINESS:

_____ 400 Intro to Business

_____ 405 Business Law

_____ 410 Entrepreneurism*

_____ 420 Accounting I

_____ 425 Accounting II

_____ 431 Computer Apps (aka Keyboarding)

_____ 440/445 Work Based Learning

FAMILY CONSUMER SCIENCE:

_____ 441 Culinary I

_____ 442 Culinary 2*

_____ 444 Culinary 3*

_____ 446 Culinary 4*

_____ 448 Hospitality I

_____ 449 Hospitality II*

_____ 457 Parenting & Child Development

INDUSTRIAL TECH:

_____ 479 Intro to Construction

_____ 480 Woods

_____ 481 Advanced Woods*

_____ 482 Metals I

_____ 483 Welding Fundamentals*

_____ 484 Metals II*

_____ 486 Advanced Metals

_____ 490 Drafting

_____ 492 Computer Aided Drafting*

_____ 493 Advanced Computer Aided Drafting*

_____ 494 Architecture & Tech. Drafting*

AGRICULTURE/SCIENCE

_____ 301 Intro to Ag. Food & Natural Resources

_____ 308 Principles of Ag Science-Animal*

_____ 309 Natural Resources & Ecology*

OTHER

_____ 136 Health Class II (1 cr/sem)

_____ 439 Computer Support Specialists

_____ 434 Virtual Reality

Student Signature _____ **Date** _____

Parent Signature _____ **Date** _____

It is the responsibility of the students and their parents to verify with colleges their admission requirements (NO MORE THAN 16 CREDITS TOTAL)

Junior Registration
COLLEGE NOW/DUAL CREDIT COURSES

#	COURSE NAME	CREDIT
___175	SPC 112 Public Speaking	1
___285	MAT 211 Calculus	1
___263	MAT 157 Statistics	1
___503	AUT 615 Auto Electrical	2
___479	AUT 164 Auto Engine Repair	2
___500	AUT 104 Introduction to Automotive Technology	2
___539	AUT 633 Automotive Electrical Systems	2
___591	AUT 671 Automotive Body Computer Systems	2
___498	AUT 703 Automotive Heating/Air Conditioning	2
___596	MOT 109 Fund. of Small Engines	1.5
___515	WEL 331 Welding Fundamentals	2
___520	BCA 130 Adv. Word Processing	.5 QTR.
___521	BCA 129 Basic Word Processing	.5 QTR.
___522	BCA 147 Basic Spreadsheets	.5 QTR.
___523	BCA 175 Basic Presentation Software	.5 QTR.
___530	BIO 169 Anatomy & Physiology	1
___531	BIO 174 Anatomy & Physiology II	1
___532	EMS 110 First Responder	1
___534	HSC 114 Medical Terminology	1
___536	HSC 173 Nurses Aide Theory	1
___537	HSC 174 Nurses Aide Clinical	1
___538	HSC 109 Intro to Health Occupations (1 semester)	1
___556	CRJ 100 Introduction to Criminal Justice	1
___582	PHR 105 Intro to Pharmacy Tech	1
___583	PHR 120 Pharmacology for Pharmacy Tech	1
___584	PHR 941 Pharmacy Tech Practicum	1
___455	HSC 178 Advanced CNA Skills	1
Wind Energy Program (1 ST Semester)		
___	ELE 101 INDUSTRIAL SAFTEY	1
___	SDV 108 THE COLLEGE EXPIERENCE	1
___	ELE 112 BASIC ELECTRICAL THEORY	1
___	ELE 195 MOTOR CONTROL	1
Wind Energy Program (2 nd Semester)		
___	BPT 114 INSTRUMENTATION I	1
___	ELT 250 Programmable Logic Controllers	1.5
___	ELT 102 BLUEPRINT READING	2

**STUDENTS INTERESTED IN TAKING GREAT START COURSES MAY LOOK AT
THE SCHEDULE IN THE GUIDANCE OFFICE.**

REQUIRED COURSES FOR SENIORS (rev. 3/17/17)

<p>English *Required English elective *Required English Literature elective</p> <p>Social Science _____ 360 Economics _____ 365 American Government</p> <p>Physical Education _____ 139 11-12 P.E. _____ 147 11-12 Strength/Conditioning</p> <p>Special Program Indicator: _____ TAG _____ RESOURCE _____ STAR _____ ESL</p> <p>Career Interest Area: _____</p>	<p>Math: _____ 250 Pre-Algebra _____ 253 Algebra A _____ 254 Algebra B* _____ 260 Algebra I _____ 270 Algebra II * _____ 265 Geometry* _____ 275 Consumer Mathematics* _____ 263 MAT 157 Statistics* _____ 280 Pre-Calculus* _____ 284 Calculus* _____ 285 MAT 211 Calculus*</p> <p>Science: _____ 330 AP Biology* _____ 315 Advanced Chemistry* _____ 310 Chemistry* _____ 320 Physics*</p>
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ELECTIVES: *Prerequisite Required

FINE ARTS

- _____ 100 Art Fundamentals
- _____ 104 Ceramics I
- _____ 105 Folk Art
- _____ 106 Drawing*
- _____ 107 Ceramics II*
- _____ 110 Painting
- _____ 113 Art Appreciation
- _____ 114 Sculpture
- _____ 122 Independent Studio*
- _____ 123 Intro to Guitar (Not offered in 2017/18)
- _____ 124 Band
- _____ 126 Vocal Music
- _____ 128 Music Theory* (Not offered in 2018/19)
- _____ 130 Intro. To Fine Arts

LANGUAGE ARTS

- _____ 156 British Literature*
- _____ 158 Films as Literature
- _____ 160 World Literature*
- _____ 174 Oral Interpretation/Acting
- _____ 184 Writing III*
- _____ 186 Creative Writing
- _____ 188 Publications*
- _____ 191 Publications II*
- _____ 189 Publications III*
- _____ 200 Spanish I
- _____ 204 Spanish II*
- _____ 208 Spanish III*
- _____ 210 Spanish IV*

SOCIAL SCIENCE

- _____ 374 Current Issues
- _____ 355 Modern American History
- _____ 357 Late 20th Century Am. History
- _____ 372 Anthropology
- _____ 380 Global Insights
- _____ 393 Psychology
- _____ 394 Sociology

CAREER & TECHNICAL EDUCATION

BUSINESS:

- _____ 400 Intro to Business
- _____ 405 Business Law
- _____ 410 Entrepreneurism
- _____ 420 Accounting I
- _____ 425 Accounting II*
- _____ 431 Computer Applications
- _____ 440/445 Work Based Learning

FAMILY CONSUMER SCIENCE:

- _____ 441 Culinary I
- _____ 442 Culinary 2*
- _____ 444 Culinary 3*
- _____ 446 Culinary 4*
- _____ 448 Hospitality I
- _____ 449 Hospitality II*
- _____ 457 Parenting & Child Development

INDUSTRIAL TECH:

- _____ 479 Intro to Construction Trades
- _____ 480 Woods
- _____ 481 Advanced Woods*
- _____ 482 Metals I
- _____ 483 Welding Fundamentals*
- _____ 484 Metals II*
- _____ 486 Advanced Metals*
- _____ 490 Drafting
- _____ 492 Computer Aided Drafting*
- _____ 493 Advanced CAD*
- _____ 494 Architecture & Tech. Drafting*

AGRICULTURE/SCIENCE

- _____ 301 Intro to Ag Food & Natural Resources
- _____ 308 Principles of Ag Science-Animal*
- _____ 309 Natural Resources & Ecology*

OTHER

- _____ 136 Health Class II (1 cr./sem.)
- _____ 434 Virtual Reality
- _____ 439 Computer Support Specialist

Student Signature _____ Date _____

Parent Signature _____ Date _____

**It is the responsibility of the students and their parents to verify with colleges their admission requirements.
 (NO MORE THAN 16 CREDITS TOTAL)**

Senior Registration
COLLEGE NOW/DUAL CREDIT COURSES

#	COURSE NAME	CREDIT
___175	SPC 112 Public Speaking	1
___285	MAT 211 Calculus	1
___263	MAT 157 Statistics	1
___503	AUT 615 Auto Electrical	2
___479	AUT 164 Auto Engine Repair	2
___500	AUT 104 Introduction to Automotive Technology	2
___539	AUT 633 Automotive Electrical Systems	2
___591	AUT 671 Automotive Body Computer Systems	2
___498	AUT 703 Automotive Heating/Air Conditioning	2
___596	MOT 109 Fund. of Small Engines	1.5
___515	WEL 331 Welding Fundamentals	2
___520	BCA 130 Adv. Word Processing	.5 QTR.
___521	BCA 129 Basic Word Processing	.5 QTR.
___522	BCA 147 Basic Spreadsheets	.5 QTR.
___523	BCA 175 Basic Presentation Software	.5 QTR.
___530	BIO 169 Anatomy & Physiology	1
___531	BIO 174 Anatomy & Physiology II	1
___532	EMS 110 First Responder	1
___534	HSC 114 Medical Terminology	1
___536	HSC 173 Nurses Aide Theory	1
___537	HSC 174 Nurses Aide Clinical	1
___538	HSC 109 Intro to Health Occupations (1 semester)	1
___556	CRJ 100 Introduction to Criminal Justice	1
___582	PHR 105 Intro to Pharmacy Tech	1
___583	PHR 120 Pharmacology for Pharmacy Tech	1
___584	PHR 941 Pharmacy Tech Practicum	1
___455	HSC 178 Advanced CNA Skills	1
Wind Energy Program (1 ST Semester)		
___	ELE 101 INDUSTRIAL SAFTEY	1
___	SDV 108 THE COLLEGE EXPIERENCE	1
___	ELE 112 BASIC ELECTRICAL THEORY	1
___	ELE 195 MOTOR CONTROL	1
Wind Energy Program (2 nd Semester)		
___	BPT 114 INSTRUMENTATION I	1
___	ELT 250 Programmable Logic Controllers	1.5
___	ELT 102 BLUEPRINT READING	2

STUDENTS INTERESTED IN TAKING GREAT START COURSES MAY LOOK AT THE SCHEDULE IN THE GUIDANCE OFFICE.

Early Graduation

A student who plans to graduate early from Cherokee Washington High School must have completed a preliminary application procedure on or before November 1 of the year s/he plans to graduate. The preliminary application is available in the Guidance Department. To be considered for early graduation, a student must have successfully completed the required credits minus the P.E. credits for the semester they will miss due to the early graduation. In addition, the student's parents/guardians, the counselor and the principal must endorse the petition for early graduation before the request is recognized and approved. We urge parents and students to analyze and discuss the advantages and disadvantages of early graduation and arrive at a mutually acceptable plan before making a final decision. School personnel will gladly serve as a resource for responding to questions, providing information, and assisting in discussing your concerns. The parents and the student must assume the ultimate responsibility for this educational decision.

Graduation Ceremony

Only those students successfully completing all of the requirements for graduation, as stated above, will be allowed to participate in the Washington High School commencement exercises.

Transcripts

Official transcripts with the school seal will be mailed by the high school to schools or agencies upon request of the student or parent. Students requesting transcripts for themselves will receive a copy without the official seal.

Alternative Credit Options

Students are allowed to take up to five credits toward Washington High School graduation requirements through an alternative credit program i.e., Western Iowa Tech. Students must fail a required credit once before being allowed to earn a required credit through an alternative option. Grades received through an alternative credit option will not be figured into a student's cumulative grade point average. It is the student's responsibility to provide the office with an official transcript of alternative program credits to be applied toward Washington High School graduation requirements. Application for alternative credit options must be made through the Guidance Department.

GREAT START (GA) Courses

Juniors, Seniors and identified TAG Freshmen or Sophomores can participate in the Great Start (GS), which allows them to take college level courses per semester from an approved post-secondary level institution. All seniors must be registered for the equivalency of 6 credits (3 college credits =1 WHS credit). All other students must be enrolled in a minimum of 6 credits per semester at Washington High School or through College Now classes before enrolling in a GS course. These classes must meet during the school year. Any class the school pays for will be included in the student's GPA. More detailed information may be obtained from your counselor. **If a GS class is failed/dropped after the official college drop date, the student will get a Withdraw Fail (WF) on college and high school transcript.**

Schedule Changes

A student may drop a high school class up to a week after first or third quarter mid-term grades are issued without penalty. No classes can be added after the 3rd day of each semester. The counselors will use the following guidelines when considering schedule change requests. Full

time student status is considered 6.00 credits per semester. Students dropping a class after this period will receive a withdraw fail (WF) grade for the class.

Changes may be made only for the following reasons:

1. Failure in a required course attempted a previous semester
2. Approved level changes by teacher and counselor
3. Special education placement
4. Significant change in college or career planning
5. Seniors who need courses for graduation
6. Required course not on schedule
7. Failure to have necessary prerequisite for a course
8. Student already has credit in the scheduled class
9. Newly registered student - no previous schedule
10. Adding a class which does not disturb the rest of the schedule

Schedule changes will not be made for student convenience. Schedule change forms must be completed before the drop is official. They are available from the Guidance Department.

Grade Point Average

Grade point average is figured by dividing the sum of the grade points earned by the total credits attempted. Grade points for grades given are as follows:

	B+ 3.33	C+ 2.33	D+ 1.33
A 4.00	B 3.00	C 2.00	D 1.00
A- 3.67	B- 2.67	C- 1.67	D- .67

Grade point average is figured using **semester** grades and is updated at the end of each semester. All grades earned, except those from an alternative credit program, are used in determining grade point average. Class rank is updated each semester and is based on cumulative grade point average.

Incomplete Grades

The maximum time allowed to make up an incomplete will be one week. For the 4th quarter the deadline is the last teacher workday of the school year. The exceptions to the above deadlines are that seniors must have all work completed by the last school day for seniors and in the event of a prolonged excused absence from school just prior to and/or during the end of the quarter. In extraordinary cases, the administration may waive these deadlines and set a deadline that would be reasonable for circumstance.

Academic Letters

Washington High School awards letters for academic achievement to those students who earn a 3.2 grade point average for two consecutive semesters. Academic letters and chevrons are awarded the first day of school for last year's second semester grades.

FINE ARTS

VISUAL ARTS	CREDIT	COURSE LENGTH	GRADES
100 ART FUNDAMENTALS	1	Semester	9-12

Prerequisite: None This is basic introductory course, which explores a variety of artistic styles, mediums, and the fundamentals of art. The class investigates, discusses, and implements the elements & principles of design through a number of diverse art projects. During the course of the semester, students will explore movements in art history as well as specific styles.

- 104 CERAMICS I 1 Semester 9-12
Prerequisite: None: This course will allow the student to discover art through clay. Students will create an understanding of form and function through a variety of projects.
- 105 FOLKART 1 Semester 9-12
Prerequisite: None: Open your mind and eyes to art from around the world. Course includes the study & viewing of artwork from other countries and cultures. Students will focus on a particular culture /country and then create and make art from here in a similar manner.
- 106 DRAWING 1 Semester 9-12
Prerequisite: None: This course is based on the guided practices in the 5 basic skills of drawing. These skills are perception of edges lights, shadows, relationships, spaces, and the Gestalt. Students will have the opportunity to learn a variety of techniques and methods needed to be successful in drawing.
- 107 CERAMICS II 1 Semester 10-12
Prerequisite: Ceramics I and teacher approval. Ceramics II provides in-depth work with clay beyond Ceramics I. Students will further their technical ability in hand building, surface decoration and wheel thrown techniques. Students will continue to explore glaze application methods and various surface effects. Students will be highly encouraged to work beyond the ordinary in order to advance their artistic styles and capabilities with clay.
- 110 PAINTING 1 Semester 9-12
Prerequisite: None: This course will allow students to explore the world through color. Various tools and techniques used in the painting field will be explored. Students will create an understanding for aesthetics, composition, and painting techniques through a number of projects aimed at creating a personal connection to each painting.
- 113 ART APPRECIATION 1 Semester 9-12
Prerequisite: None. This course encourages students to gain an understanding and appreciation of art in their everyday lives. Themes covered may be: art terminology and principles of design, definition of art, cultural purposes of art, visual elements of art, and then artists and time periods throughout history. Art videos, critique of artworks, lecture, notes, and class presentations, will be a part of the class.
- 114 SCULPTURE 1 Semester 9-12
This course seeks to create a better understanding and appreciation for the major types, processes, and artistic traditions in sculpture. Students will apply their knowledge of the elements & principles of design to evaluate sculptural processes and sculptures. The student will develop their own creative ideas to design and create their own expressive sculptures.
- 122 INDEPENDENT STUDIO 1 Semester 11-12
Prerequisite: Art Fundamentals, Drawing, Painting and Instructor's approval. This course is designed to allow the individual to pursue media or mediums of choice. Student should be a strong independent thinker and worker. The goal is to create personal, meaningful and individualized artwork. Course is designed for the college bound art student.

MUSIC	CREDIT	COURSE LENGTH	GRADE
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NOTE: All music students will have the opportunity to participate in State, Solo and Small Group Contest, Festivals, Exchange Concerts, Trips, and other functions.

123	INTRO TO GUITAR	1	Semester	9-12
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Prerequisite – STUDENT MUST HAVE OWN GUITAR. (Not offered 2017/18)

Students will be taught the following: fundamentals of guitar, music and musicianship, music notation, terminology, scales, key signatures and time signatures. Also being taught, basic guitar chords, rhythms and fingering techniques. The music is beginning level classical, folk and popular guitar literature.

124	BAND	2	Year	9-12
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Prerequisite - None. This course is open to all students with a desire to participate in Instrumental Music. The major focus in Band is the Concert Band where students will be introduced to concepts that will improve music technique. Students involved in Band are required to participate in Marching Band and Pep Band during athletic events. Students enrolled in Band will be required to participate in concerts and other performances throughout the year and will have the opportunity to participate in select ensembles. Jazz Band is auditioned in the late fall and meets early in the morning. Any student enrolled in band is open to audition for Jazz Band. Weekly lessons are required and are scheduled by the director.

126	VOCAL MUSIC	2	Year	9-12
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Prerequisite - None. This ensemble is open for any student with a reasonable degree of vocal ability and/or training in proper vocal technique. Students will be introduced to concepts that will improve sight-reading ability and overall music technique. Music for this ensemble will be sacred and secular, covering time periods from the Renaissance to contemporary in a variety of languages. Lessons are mandatory and will be scheduled by the director. Any student enrolled in this ensemble will be required to participate in concerts and other performances throughout the semester and will also have the opportunity to participate in select ensembles.

128	MUSIC THEORY	1	Semester	9-12
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(Not offered 2017/18) Theory provides students with knowledge about the fundamentals of music. The students will learn: Note names on all clefs, note names on the piano, major and minor key signatures, major and minor scales, intervals, chords (triads and 7th chords), chord progressions and part-writing, chord inversions, non-chord tones, modulations, musical forms and much more.

130	INTRODUCTION TO FINE ARTS	1	Semester	9-12
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Prerequisite - None. Fine Arts Appreciation is exactly what it sounds like, an opportunity to learn the fundamentals and appreciation for all art forms. The purpose of this course is to increase your understanding, appreciation, and enjoyment of the arts. This course will be divided to give you an introduction to art, music, drama, dance, and pop culture. You will explore units on writing about the arts, movies as art, history, instruments around the world, music genres, musical theater, dances from various cultures, pop culture, elements of design, graphic design, and current TV programs and their link to pop culture. You do not need to have any prior knowledge of music. This course will ask you to think critically and defend your own opinion as you discuss the elements of fine arts.

PHYSICAL EDUCATION

HEALTH AND PHYSICAL EDUCATION	CREDIT	COURSE LENGTH	GRADE
129 9th HEALTH CLASS	1	Semester	9
<u>Prerequisite – None</u> The health units covered will include nutrition, goal setting, fitness, the body systems, drug and alcohol abuse, sex education and CPR Training. This introductory class will cover the health basics in the above areas with a focus on units important to early teens.			
133 9-10 P.E.	0.5	Semester	9-10
<u>Prerequisite – None</u> The Physical Education class will include the following units during the year that promote fitness and physical activity. These activities will include indoor and outdoor activities, swimming, fitness workouts, and introduction to weight lifting. Activities will be team games with a focus on continuous improvement of basic movements and athletic skills.			
134 11-12 P.E.	0.5	Semester	11-12
<u>Prerequisite – None</u> The following program will be offered to sophomore, junior, and senior students on an every other day basis. The goal of this class is to enhance their muscular, respiratory and cardiovascular development as well as coordination and basic motor skills. This will be accomplished through activities such as individual sports, fitness exercise and team games.			
136 HEALTH II	1	Semester	9-12
<u>Prerequisite – 9th Health Class</u> This class will teach the overall benefits of staying healthy. Health units that will be covered include nutrition, personal fitness, and changes of the body, body systems, mental and emotional health, drug use and abuse, sex education, and other current, applicable health topics.			
139 10th - 12th WELLNESS P.E.	1	Semester	10-12
This is a daily class that combines traditional P.E. with weight lifting and cardiovascular units. Each week, the class will consist of two days of weight training, one day of cardiovascular activity, and two days of traditional P.E. with a focus on team game play.			
146 STRENGTH & CONDITIONING TRAINING	2	Year	10-12
<u>Prerequisite – The ability to work hard.</u> This class is for students that wish to train to become faster and stronger. The class will be divided into 6-10 minute sessions (warm up-core lifts-auxiliary lift-stretching-agility's-power-quickness) One session of this class will be held during the Early Bird times (7:00 – 7:45).			

LANGUAGE ARTS

FRESHMAN ACADEMY	CREDIT	COURSE LENGTH	GRADES
235 21 st CENTURY STUDY SKILLS	1	Year	9
This class helps high school students develop the technology proficiency, information literacy, and media literacy skills they need for success in our increasingly digital world. This two-semester course provides authentic instruction and real-world application of 21st century skills.			
LITERATURE	CREDIT	COURSE LENGTH	GRADES
150 MYTHOLOGY	1	Semester	11-12
Myths are traditional stories that have endured over a long time. This course will focus on the myths of ancient Greece and Rome, as a way of exploring the nature of myth and the function it plays for individuals, societies, and nations. We will also pay some attention to the way the			

Greeks and Romans themselves understood their own myths. This course will investigate myths through a variety of topics, including the creation of the universe, the relationship between gods and mortals, human nature, religion, the family, love, madness, and death.

151 ENGLISH 9 2 Year 9
Required. This is a required one-year English course that will include the coverage of a variety of skills, reading literature, and writing several types of papers. Students will consider varying perspectives/ themes through a variety of literature. Written assignments will include personal narratives, stories, a research paper, essays, and vocabulary building exercises.

153 ENGLISH 10 2 Year 10
Required. In this required yearlong English class, sophomores will encounter a variety of literature, writing, and film. Students will be studying vocabulary as well as the following forms of literature: short stories, novels, non-fiction pieces, and plays. Using the 6 + 1 Trait Model, students will also study and produce several forms of writing, including a research paper.

155 NOVELS (Literary Perspectives) 1 Semester 11-12
 This elective literature course will fulfill one literature elective for the high school graduation requirements. This literature course will focus on reading various novels, discussing novels, and writing about them. This course has the expectations that students will need to be reading outside of class and be prepared to share ideas in class. The novels chosen will be based on both the instructor's choice and student choice. Some novels that may be included are Frankenstein, Lord of the Flies, and Les Miserables. Students will also get to read and share novels of their own choosing as well.

156 BRITISH LITERATURE 1 Semester 11-12
Prerequisite - English 9 and English 10 OR sophomores with instructor's approval. British Literature is an elective course that fulfills a Language Arts requirement. This course will focus on several different types of genre such as poetry, novel, drama, epics, legends, visual narratives, and essays. Students will be expected to read outside of class and be prepared for class discussion. There will be several eras in British Literature we will be studying including The Anglo-Saxon Period, Middle Ages, Renaissance, and Romantic period. Students must be prepared to complete daily work, essays, poetry, projects and tests.

157 ENGLISH 11 2 Year 11-12
Required. This is a required yearlong Language Arts course designed for juniors. This course will focus on writing, speaking, and specifically American Literature. This course may include the following. Writing--students will continue to work on effective writing skills focusing on Voice, Ideas, Word Choice, Conventions, Presentation, and style. Students will be writing in a variety of formats, essays, journaling, narratives, and poetry. Students will also be learning the art of effective rhetoric in persuasive writing through essays and speeches. Students will also be enhancing their speaking skills through class presentations and speeches that will focus on persuasive speaking, informative speaking, public address and advertising. Finally, students will be tying their writing and speaking skills into a study of American Literature. This literature will focus on the genres of poetry, plays, novels, essays, journals, speeches and short stories. Literature will also include historical documents from Early American Literature. Students will study works by American authors such as William Bradford, Thomas Jefferson, Patrick Henry,

Anne Bradstreet, Edgar Allan Poe, Henry David Thoreau, Ralph Waldo Emerson, Mark Twain, Emily Dickinson, F. Scott Fitzgerald, Arthur Miller, and a host of others.

158 FILMS AS LITERATURE 1 Semester 11-12

Prerequisite – you must be a junior or senior. Films as Literature is a one-semester elective course that fulfills a Language Arts requirement. This course is a course designed to examine a film as a piece literature, while also examining film for its cinematic qualities. This class has strong emphasis on 21st century critical thinking skills. Students will be viewing several types of film genres in this class and will be required to write about, and analyze these films. Analysis's can come in many forms, verbal, written essays, or tests. Finally students will be required in the first half of the class to view a film of their choice and complete a film analysis. Throughout the class students will be expected to be developing their own film as well; this includes producing, writing, filming, and editing a personal film. This course will also teach how to use the editing tool in i-movie. This film can be done independently or in a group. Failure to do work in class or outside of class and finish projects, especially, the final film will result in failure of the course.

160 WORLD LITERATURE 1 Semester 11-12

Prerequisite - English 9, English 10 OR sophomores with instructor's approval. This is an elective literature course. Students will read world literature including prose, poetry, drama, essays and a novel. Literature will come from many countries such as Italy, Greece, France, Russia, Latin America, and many other areas. Students will also share on Cultural Fridays--these days students will bring in information about cultures from around the World. This class's assessments will focus on written work. This written work will be focused on creative, reflective, and essay writing.

164 FAME I – FOUNDATIONS 1 Semester 9

Prerequisite – Placement based on results of DAR testing and teacher recommendation. The goal in the *Foundations* class is to teach the relationship between the most common letter combinations and sounds, and to promote an understanding of the alphabetic principle. The course consists of daily instruction and practice in letter-sound correspondences through word games, collaborative oral reading, and computer activities.

165 FAME II – ADVENTURES 1 Semester 9

Prerequisite – Placement based on results of DAR testing and teacher recommendation. The goal in the *Adventures* class is to improve students' ability to recognize words and their meanings. Students work daily with word game activities and computer software designed to expand their reading vocabulary. Collaborative oral reading is an integral part of the *Adventures* class in helping to improve fluency of reading.

ORAL AND VISUAL COMMUNICATION

174 ORAL INTERPRETATION/ACTING 1 Semester 9-12

This elective course is an introductory course to the stage. This course is designed for the student who is interested in theater, acting, and drama. This course may cover the following areas, improvisation, lip sync participation, Ensemble Acting, Readers Theatre, Monologues, mime, and combat mime. Theatre Class activities will include performances in class, public performance, and class participation. Be prepared to perform in class you must participate in order to earn a passing grade. This is the perfect course to get involved with a variety of age

groups and learn poise. It is recommended by the instructor that students get approval for taking this course.

WRITING

184 WRITING III 1 Semester 11-12

Prerequisite - English 9 and English 10. This class is an elective writing course, which is designed to prepare students to write for a variety of reasons and prepare them for college writing. Topics of essays include: persuasive, argumentative, literary analysis, research, informative, analysis of a visual narrative, a generic scholarship essay, personal narrative, and a final self-analysis. Students will also have exposure to several forms of citations. In addition, students will have weekly vocabulary quizzes.

188 PUBLICATIONS 2 Year 10-12

Prerequisite – Permission of the instructor and students must have passed English 9 and English 10 with an 80% average. Students will produce the school yearbook. There will be an emphasis on writing style and technique, writing process (revising, and editing), and also production values and organization and deadlines. The students will focus on their writing skills and editing of stories, headlines, captions and the basics of production design, layout and printing of a publication. Students will work with a wide range of technology (knowledge of Adobe Photo Shop, digital cameras, and computer photo editing software). Students will also have to work together with other students in the course to make major decisions about the yearbook. Students are also expected to take pictures at school events, outside of class time, and work at 2 concession stands. Students signing up for this class must be enrolled for both semesters.

191 PUBLICATIONS II 2 Year 11-12

Prerequisite – Permission of the instructor and students must have passed Publications I. Publications II is a continuation of Publications I, however, students are expected to take leadership roles within the course. Tests and all forms of assessments are different from Publications I. Students will produce the school yearbook. There will be an emphasis on writing style and technique, writing process (revising, and editing), and also production values and organization and deadlines. The students will focus on their writing skills and editing of stories, headlines, captions and the basics of production design, layout and printing of a publication. Students will work with a wide range of technology (knowledge of Adobe Photo Shop, digital cameras, and computer photo editing software). Students will also have to work together with other students in the course to make major decisions about the yearbook. Students are also expected to take pictures at school events, outside of class time, and work at 2 concession stands. Students signing up for this class must be enrolled for both semesters.

189 PUBLICATIONS III 2 Year 12

Prerequisite – Permission of the instructor and students must have passed Publications I. Publications II is a continuation of Publications I, however, students are expected to take leadership roles within the course. Tests and all forms of assessments are different from Publications I. Students will produce the school yearbook. There will be an emphasis on writing style and technique, writing process (revising, and editing), and also production values and organization and deadlines. The students will focus on their writing skills and editing of stories, headlines, captions and the basics of production design, layout and printing of a publication. Students will work with a wide range of technology (knowledge of Adobe Photo Shop, digital cameras, and computer photo editing software). Students will also have to work together with other students in the course to make major decisions about the yearbook. Students are also

expected to take pictures at school events, outside of class time, and work at 2 concession stands. Students signing up for this class must be enrolled for both semesters.

186 CREATIVE WRITING 1 Semester 11-12
Prerequisite - English 9 and English 10 OR sophomores with instructor's approval. Students in this course will generate free writing in a journal, study models of good writing, and experiment with poetry, various genres, and prose. Students will develop a sense of speaker and audience. They will provide positive support for their fellow writers and learn to revise their work using concrete, sensory details and appropriate choice of diction, syntax, purpose, and audience. They will send manuscripts to contests for possible publication.

FOREIGN LANGUAGE

FOREIGN LANGUAGE	CREDIT	COURSE LENGTH	GRADES
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200 SPANISH I	2	Year	9-12
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Prerequisite - None. This is an elective course that teaches the basic structures of the Spanish language. The students learn beginning skills in order to read, write, listen, and speak Spanish. They also learn important cultural points throughout the year. The emphasis is on using Spanish in everyday conversation. This course is not designed for the native speaker.

204 SPANISH II	2	Year	10-12
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Prerequisite - Spanish I. Spanish II is a continuation of first year Spanish with added emphasis on formal grammar, conversational skills, presentations and cultural information. Text and workbook activities are included. This course is not designed for the native speaker.

208 SPANISH III	2	Year	11-12
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Prerequisite - Spanish II. This course is a continuation of Spanish II, which emphasizes building skills in reading, writing, listening, and speaking. Cultural points are also a part of each unit. This class is conducted by the instructor, entirely in Spanish.

210 SPANISH IV	2	Year	12
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Prerequisite - Spanish III. This course is primarily a review of previously learned grammar and structure of the language. It offers a significant component of Hispanic literature as well as increased conversational and listening practice. This class is conducted by the instructor entirely in Spanish.

MATHEMATICS

MATHEMATICS	CREDIT	COURSE LENGTH	GRADES
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250 PRE-ALGEBRA	2	Year	9-12
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Prerequisite - None. This is an integrated course that will review the basic arithmetic operations and use these skills to begin work in basic algebraic concepts. Students will be introduced to exponents and negative numbers and will work extensively with percentages and solving equations. Volume, area, and perimeter will also be studied.

253 ALGEBRA A	2	Year	9-11
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Prerequisite - None. This is the first semester of regular algebra expanded through the school year. Topics include Equations, Inequalities, Functions, and Linear Function. Algebra, in addition to its concern of solving mathematical problems, supplies the language and patterns of reasoning used in other branches of mathematics. Besides increasing their ability to organize and solve mathematical problems, most students will be able to solve and think through their

own problems.

254 ALGEBRA B 2 Year 10-12
Prerequisite – Algebra A. This is the second semester of regular algebra expanded through the school year. Topics include Systems of Equations and Inequalities, Exponents and Polynomials, Factoring Polynomials.

260 ALGEBRA I 2 Year 9-12
Prerequisite - None. Algebra, in addition to its concern of solving mathematical problems, supplies the language and patterns of reasoning used in other branches of mathematics. Besides increasing their ability to organize and solve mathematical problems, most students will be able to solve and think through their own problems better. Topics include Equations, Inequalities, Functions, and Linear Function, Systems of Equations and Inequalities, Exponents and Polynomials, Factoring Polynomials, and Quadratic functions and equations.

263 MAT 157 STATISTICS 1 Semester 11-12
Prerequisite: ACT comp score of 22 or higher & Math sub-score of 23 or higher, or can meet cut scores on the WITC College Placement Tests. Please see course description and specifics on page 28.

265 GEOMETRY 2 Year 9-12
Prerequisite - Algebra I (2 credits) or Algebra B. This is an elective math course intended to follow Algebra I. The course is a study of the process of logical thought. Logical thought consists of reaching valid conclusions based on facts special to the given problem as well as previously established facts. The skills learned in the logical pattern of problem solving can be applied to everyday decision-making and problem analyzation, as well as to other math and science courses. Topics covered include proof, geometric figures and their properties and relationships, and the algebra of geometry, including review of algebra skills pertinent to this and future math courses.

270 ALGEBRA II 2 Year 10-12
Prerequisite - Algebra I. Algebra II is a course intended to follow Algebra I and Geometry. It builds **heavily** upon skills and concepts from Algebra I. The course emphasizes properties of the real number system, operations with algebraic expressions, functions, graphing, mathematical modeling of problems, problem solving, and communicating mathematics. Extensive work is done with linear functions, quadratic functions, rational expressions, and rational functions, the relationships between functions and their graphs, and solving systems of equations. The real number system is extended to include operations with complex numbers

275 CONSUMER MATHEMATICS 2 Year 11-12
Prerequisite - Algebra I, Pre-Algebra, Algebra A and/or Algebra B. This course familiarizes the student with basic arithmetic operations (particularly percent) and then, using these operations, deals with some of the problems that everyone encounters in daily life. Some of these include: earned income, interest and interest rates, savings and checking accounts, budgets, installment buying, automobile ownership and operation, insurance (fire, life, automobile, health, and accident), taxes (real estate, sales, income, 1040EZ form), investments, social security, and reading graphs and tables. This is not a college prep course.

280 PRE-CALULUS 2 Year 11-12

Prerequisite - Geometry and Algebra II (2 credits). This course combines the study of Trigonometry, Elementary Function, & Math Analysis topics as preparation for Calculus. Topics include the study of complex numbers; polynomial, logarithmic, exponential, rotational, right trigonometric, & circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solution of right and oblique triangles; vectors, sequences, & series.

284 CALCULUS 1 Sem. 1 12

Prerequisite – Pre-Calculus. Student must pass college entrance exams and students are required to meet cut scores on the College Placement Exam. This is the fifth year of the college prep mathematics sequence, following Pre-Calculus. The course will include a review of the properties of the real number system; a review of trigonometry and circular functions; logarithms and exponential functions; and most of the Advanced Placement Calculus AB syllabus. Students will receive one high school credit for semester one of this class, and then will take MAT 211 second semester and will receive both high school and college credit for second semester.

285 MAT 211 CALCULUS 1 Sem. 2 12

Prerequisite – 284 Calculus. ACT comp score of 22 or higher & Math sub-score of 23 or higher, or can meet cut scores on the WITC College Placement Tests. Please see course description and specifics on page 28.

SCIENCE

SCIENCE	CREDIT	COURSE LENGTH	GRADES
300 SCIENCE 9	2	Year	9

Prerequisite – None. (Required) This physical science course presents an introduction to chemistry and physics using a hands-on conceptual learning approach. Topics will include meaning of science, measurement, scientific investigation, matter, atomic structure, chemical bonds, chemical reactions, motion, forces, energy, and engineering. Students work in cooperative learning groups doing both the lab and lecture components.

305 BIOLOGY 2 Year 10

Prerequisite - Completed 2 credits of Physical Science. (Required) Biology is the study of living things. Topics studied include: scientific method, basic biochemistry, cell anatomy, cell energy use and reproduction, genetics and gene technology, evolution, and a survey of the plant and animal kingdoms.

310 CHEMISTRY 2 Year 11-12

Prerequisite - Science 9, Biology and 2 credits of Algebra. Chemistry is the physical science that deals with the composition and structure of matter and the chemical changes that take place. Some of the areas to be studied will include: The atom and the theory of it's structure, the molecule, compounds, including acids, bases and salts, chemical bonding, classification of the elements, chemical reactions including the energy of reactions, gas laws, and the mathematics of chemistry. Recommended for students planning to attend college. *Calculator is required.*

315 ADVANCED CHEMISTRY 1 Semester 12

Prerequisite – Chemistry (2 credits) and Teacher recommendation. This course is designed for students with a continuing interest in chemistry. It's purpose is to expand the student's knowledge of the areas of chemistry touched on in the first year course and also to consider new topics that time limitations prevented in first year chemistry, such as electro-chemistry, nuclear chemistry, organic chemistry, and qualitative analysis. Future college science majors should take this class. *Calculator is required.*

- 320 PHYSICS 2 Year 11-12
Prerequisite - Algebra I and Geometry-Completed 4 credits of Science Physics deals primarily with the non-living aspects of nature. Here are some areas, which will be studied: measurements - force - motion - energy in the form of heat, light, and electricity. Recommended for students pursuing a career in science or math. *Calculator is required.*
- 330 ADVANCED PLACEMENT BIOLOGY (AP BIOLOGY) 2 Year 12
Prerequisite – Biology & Permission from Science Dept. (Chemistry recommended)
 This course is designed for students with a continuing interest in biology. It is designed to be the equivalent of a college introductory biology course usually taken by biology majors during their freshman year. Approximately 25% of the class will focus on molecules and cells – emphasizing the chemistry of life, cell cycles, cellular respiration, and photosynthesis. Approximately 25% of the class will focus on genetics and evolution – emphasizing inheritance patterns, cellular genetics, and evolutionary patterns. The final 50% of the class will focus on a survey of the plant and animal kingdoms along with ecological relationships. Recommended for students planning to attend college and/or pursue a career in science. ALL students WILL be required to take the Advanced Placement test at the end of the class.
- 530 BIO 169 ANATOMY AND PHYSIOLOGY I 1 Semester 11-12
Prerequisite: BIO-070 Basic Biological Concepts or appropriate WITCC science placement test score or a B average in Biology. Please see course description and specifics on page 26-27.
- 531 BIO 174 ANATOMY AND PHYSIOLOGY II 1 Semester 11-12
Prerequisite: Bio 169. Please see course description and specifics on page 27.
- 309 NATURAL RESOURCES & ECOLOGY 1 Semester 11-12
Prerequisite - Science 9 and Biology. Students will explore hands on projects and activities while studying topics such as land use, water quality, stewardship, and environmental agendas. Study of the natural world including biomes, land, air, water, energy use, care as well as a focus on issues surrounding mans interaction with the Earth will be addressed in this course. Students will select an ecosystem to study throughout the course and apply principles of natural resources and ecology from each unit of study to that ecosystem.
- 301 INTRO. TO AG, FOOD, & NATURAL RESOURCES 2 YEAR 9-12
Prerequisite – NONE. Students experiences will involve the study of communication, the science of agriculture, plants, animals, natural resources, and agricultural mechanics. While surveying opportunities available in agriculture and natural resources, students will learn to solve problems, conduct research, analyze data, work in teams, and take responsibility for their work, actions, and learning. This course is structured to enable all students to have a variety of experiences that will provide an overview of the fields of agriculture science and natural resources so that students may continue through a sequence of courses through high school. In addition, students will understand specific connections between lessons and supervised agricultural experiences and FFA components that are important for the development of an informed agricultural education student.
- 309 PRINCIPLES OF AG SCIENCE – ANIMAL 2 YEAR 10-12
Prerequisite-Introduction to Agriculture, Food, & Natural Resources. Students experiences will involve the study of animal anatomy, physiology, behavior, nutrition, reproduction, health,

selection, and marketing. Throughout this course students will consider the perceptions and preferences of individuals within local, regional, and world markets. Students will explore hands-on projects, activates to learn the characteristics of animal science and work on major projects and problems similar to those that animal science specialists, such as veterinarians, zoologists, livestock products, and industry, personnel, face in their respective careers.

SOCIAL STUDIES

BEHAVIORAL SCIENCE	CREDIT	COURSE LENGTH	GRADES
355 MODERN AMERICAN HISTORY (1880-Present) (Required for Sophomores) Prerequisite - None. Students will cover the following historical events: Progressivism, the Spanish-American War, World War I, the Roaring 20's, The Great Depression and the New Deal, WWII, the Korean War, War and Peace in a Nuclear Age, the Age of Space, the Civil Rights Movement, and the Vietnam War.	2	Year	10-12
357 LATE 20 th CENTURY AMERICAN HISTORY Prerequisite- None. The primary purpose of this course is to give students an opportunity to learn about the following historical events; The Civil Rights Movement, the Cold War, JFK Assassination, the Cuban Missile Crisis, Watergate, the Persian Gulf War, the Iran Hostage Crisis, the Iran-Contra Affair, 9-11, and the Afghanistan/Iraq War. Various readings, writings, and projects will be required.	1	Semester	9-12
360 ECONOMICS (Required) Prerequisite – None. Economics is a semester course focused around a basic understanding of economics. Topics covered but not limited to include macro sectors, micro sectors, scarcity, supply and demand, the role of government, the role of the private sector, the stock market, the money supply, inflation, and taxation. The course will also include a financial literacy unit ran through the I Have a Plan Iowa website that teaches some basic individual financial matters from banking and loans to insurance and other activities that people come across in their day-to-day lives.	1	Semester	12
365 AMERICAN GOVERNMENT (Required) Prerequisite - None. Government is designed to provide the student with an understanding of how our government is organized, how politically active people attempt to control it, and how special interest groups move within it. The course will emphasize various forms of government around the world and how the United States actively interacts with them. Students will utilize critical thinking skills to investigate topics including Constitutional Law, The Bill of Rights, Civil Liberties, Civil Rights, Political Ideology, Comparative Governments and the Division of Powers. A couple of research projects will be included in the semester and we will also do at least one activity where we act as a governing body as a class.	1	Semester	12
374 CURRENT ISSUES Prerequisite - None. The focus of this class will be on current global issues. Current Issues offers students the opportunity to study the contemporary world through current events. It is designed to be informative as well as to provide experience in reading, research, and writing. Some topics will include: environmental issues, global conflict, population issues, and human rights.	1	Semester	9-12
381 GLOBAL INSIGHTS Prerequisite – None. Global Insights is a course focused on how we as American citizens look at the world. The regions covered are, Central and South America, Australia, Oceania, Antarctica,	1	Semester	9-12

Africa, the Middle East, Eastern and Western Europe. The course will place an emphasis on the physical and human aspects of geography as well as the commonly accepted five themes of geography. Students will also learn about the current issues facing these regions. Topics will include but are not limited to, world religions, human rights, and terrorism. Students will develop their basic map skills, critical thinking skills, writing skills, and other general social science skills. Lectures, notes, discussions, videos and other various projects will be required over the course of the semester.

385 WORLD HISTORY 2 Year 11-12

(Required) The primary purpose of this junior level course is to give students an opportunity to learn about the economic, political, and social developments that created the western civilization of which they are a part. The course includes study of the Ancient Middle East and Egypt, Ancient Greece and Rome, the Middle Age and the Rise of Nation States, the Renaissance, the Reformation, the French Revolution, Imperialism, as well as topics from the Far East including Japan, China, and India. We will look at these areas of history through a variety of methods from layered curriculum to project-based learning to lecture/note method.

393 PSYCHOLOGY 1 Fall Semester 11-12

Prerequisite-none This course provides an overview of the study of human behavior with emphasis in the areas of biological mechanisms, development, sensation, learning and memory, motivation, therapy and social influence. The course stresses the impact of both theoretical perspectives and experimental evidence on the formulation of human behavior. Psychological theories and principles are utilized to explain and predict behavior.

395 SOCIOLOGY 1 Spring Semester 11-12

Prerequisite-none A survey of the fundamental concepts employed in the study of human social interaction with emphasis on group aspects of social behavior. Subject areas include research methods, culture and social structure, socialization, groups and formal organizations, deviance and social control, stratification, minorities, major social institutions, and social change.

372 ANTHROPOLOGY 1 Semester 9-12

Prerequisite- This course introduces anthropology as a four-field discipline, encompassing biological anthropology, archaeology, socio-cultural anthropology, and linguistic anthropology. Although popular notions of anthropology dwell on its archaeological and biological aspects (“stones and bones”), anthropology takes the whole of humanity as its subject matter. Aspiring to a holistic understanding, anthropology is at the intersection of the humanities and the sciences.

CAREER AND TECHNICAL

TECH	CREDIT	COURSE LENGTH	GRADES
VIRTUAL REALITY	1	Semester	9-12

Prerequisite – None. This Independent Study course, conducted with instructors as mentors, enables students to explore topics of interest related to the Virtual Reality Education Pathfinder program. This course may serve as an opportunity for students to expand their expertise with the Blender software, to explore 3-D animation in greater detail, or to develop more advanced skills related to the program. 2nd Semester is contingent on teacher’s approval.

439 COMPUTER SUPPORT SPECIALIST 1 Semester 9-12

Prerequisite - None. This course covers the basic hardware of a chromebook, including installation, operations and interactions with software. Topics include component identification, memory-system, peripheral installation and configuration, hardware diagnostics/repair,

installation and optimization of system software, commercial programs, system configuration, and device-drivers. Upon completion, students should be able to select appropriate computer equipment and software, maintain existing equipment and software, and troubleshoot/repair non-functioning chromebooks.

BUSINESS EDUCATION	CREDIT	COURSE LENGTH	GRADES
400 INTRODUCTION TO BUSINESS	1	Semester	9-12

Prerequisite - None. This semester course should give a solid basis for those students considering further studies in business in high school and college as well as offering useful and practical aspects of living to any students. It gives background information on the free enterprise system in the three possible roles a student plays: as a worker, as a consumer and as a citizen in the economy.

405 BUSINESS LAW	1	Semester	10-12
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Prerequisite - None. In the business curriculum, business law is perhaps the one content-type course that is of value to all students whether or not they specialize in business. Business law is fundamental for social control and knowledge of it is essential to intelligent action in everyday living. It deals in many areas. Some of the units are as follows: laws, contract, insurance, motor vehicles, juvenile law and property law.

410 ENTREPRENEURISM	1	Semester	10-12
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Prerequisite – Introduction to Business. This semester course is designed to show students the necessary skills to effectively organize, develop, create, and manage their own business. Students will assess their current skills against the skills necessary to become a successful entrepreneur. Students will also examine and evaluate the essential skills to determine why they are important entrepreneurial skills. Business ideas will be evaluated and a business plan will be prepared. Students will research business trends, market share, and real estate pricing, and marketing. Additional topics will focus on local opportunities and available assistance, legal issues and record keeping. Students will create and run a business during this class.

420 ACCOUNTING I	2	Year	10-12
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Prerequisite - None. The main purpose of the course is to give the student a background in accounting methods used in a sole proprietorship business and a corporation, as well as a background to be used in further college or career & technical education courses. Calculating taxes and completing bank reconciliation are also a part of this course. A workbook is used for the problems that are assigned to simulate real world experience. Practice sets for a proprietorship and a corporation are used to further enhance the learning process. Students will also be exposed to automated accounting using computer software.

425 ACCOUNTING II	2	Year	11-12
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Prerequisite - 2 credits in Accounting I. This course is designed to provide additional knowledge of accounting procedures not covered in the accounting first year course. Areas of study include: a review of basic accounting procedures for a partnership and a corporation, accrued income and expenses, and unearned revenue and prepaid expenses. Students will use a ruled workbook and business simulations to enhance the learning experience. Accounting II students will also be exposed to an automated accounting program on the computer. (This class is a must for those entering Accounting Programs at the college level.)

431 COMPUTER APPLICATIONS (aka Keyboarding Applications)	1	Semester	9-12
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This course is designed to provide helpful knowledge of software applications. It is geared to help the student acquire skills, which the student can put to good use throughout his/her life no matter what career the student chooses. These skills will include short cut commands, creating proper business spreadsheets, tables, presentations, word processing, and business letters and publishing skills.

520 BCA 130 ADVANCED WORD .50 Qtr. 2 11-12
Prerequisite – BCA 129. Please see course description and specifics on page 26.

521 BCA 129 BASIC WORD .50 Qtr. 1 11-12
Prerequisite – Keyboarding (30 wpm is required). Please see course description and specifics on page 26.

522 BCA 147 BASIC SPREADSHEETS .50 Qtr. 3 11-12
Prerequisite – Keyboarding, 30 words per minute is required (course is taken with BCA 175). Please see course description and specifics on page 26.

523 BCA 175 BASIC PRESENTATION SOFTWARE .50 Qtr. 4 11-12
Prerequisite – Keyboarding, 30 words per minute required (course is taken with BCA 147). Please see course description and specifics on page 26.

440/445 WORK-BASED LEARNING 1 or 2 Semester 12
Prerequisite–Approved application, & taken classes related to the job placement.

Work-based learning opportunities are available in various businesses in the Cherokee community. Work-based learning links the school’s academic and occupational course of study with supervised on the job training. The experiences are relevant to the student’s identified career goal. Work-based learning students are released from school one or two class periods per day for their paid or non-paid job. All jobs must be assigned and approved by the work-based learning coordinator. Students must fill out an application and go through an interview with the worked-based learning coordinator, a guidance counselor, and/or the principal. Placement will depend upon application, interview, student grades and job availability.

FAMILY & CONSUMER SCIENCES CREDIT COURSE LENGTH GRADE

441 CULINARY 1 1 Semester 9-12

Prerequisite - None. This class covers Level 1 of the ProStart program. ProStart is a nationwide program for high school students that develop the best and brightest talent into tomorrow’s restaurant and foodservice industry leaders. From culinary techniques to management skills, ProStart’s industry-driven curriculum provides real-world educational opportunities and builds practical skills and a foundation that will last a lifetime either in a culinary career or for use at home. Level 1 topics include: Keeping Food Safe, Workplace Safety, Kitchen Essentials; Stocks, Soups, and Sauces, Communication, Management Essentials, Fruits and Vegetables, Serving Guests, Potatoes, Legumes, and Grains, and Careers in the Foodservice Industry. Labs reinforce culinary concepts throughout the semester. The semester test is a proctored test in which the Level 1 certification can be earned. Class size is limited to 16.

442 CULINARY 2 1 Semester 9-12

Prerequisite - Culinary ProStart 1. This class covers Level 2 of the ProStart program. Topics include: Breakfast and Sandwiches, Nutrition, Cost Control, Salads and Garnishing, Purchasing, Meats, Marketing, Desserts, Sustainability, and Global Cuisines. Labs reinforce culinary

concepts throughout the semester. The semester test is a proctored test in which the Level 2 certification can be earned. Class size is limited to 16.

444 CULINARY 3 (HUB) 2 Year 10-12

Prerequisite - Culinary ProStart 1 and 2. Students must also have obtained the ProStart Level 1 and 2 certification or have instructor's permission. This course is geared toward students wanting to pursue a career or having a strong interest in the hospitality industries of foodservice. Foodservice topics focus on preparation for the state ProStart competition, refining culinary skills and techniques learned in ProStart Level 1 and 2, catering within the school and community, and obtaining ServSafe certification. Students will have the opportunity to accrue 400 hours of mentored work-based learning experience in the foodservice industry to obtain the ProStart National Certificate of Achievement. Certification will lead to advanced placement in college through articulation agreements and allow students to earn scholarship opportunities. This class is taught in conjunction with Culinary 4. In order to complete all certifications both Culinary 3 and 4 will need to be taken.

446 CULINARY 4 (HUB) 2 Year 11-12

Prerequisite - Successful completion of Culinary 3. This is a continuation of Culinary 3. Refer to Culinary 3 description.

448 HOSPITALITY I 1 Semester 9-12

The course introduces students to the lodging industry. The Hospitality and Tourism Management Program (HTMP) is sponsored by the American Hotel and Lodging Educational Institute. HTMP topics include: Careers in Hospitality, Hospitality Soft Skills, Sales and Marketing, and Safety and Security. Students may take a proctored test for the semester final to obtain the HTMP Level 1 certification.

449 HOSPITALITY II 1 Semester 9-12

Prerequisite – Hospitality I. This is a continuation of Hospitality 2. HTMP topics include: Hospitality Leadership Skills, Operational Leadership, and Managing Food and Beverage Operations. Students may take a proctored test for the semester final to obtain the HTMP Level 2 certification. HTMP certification may also include work-based learning experiences in which students accrue 100 hours to obtain the HTMP Certificate. Certification will lead to advanced placement in college through articulation agreements and allow students to earn scholarship opportunities.

457 PARENTING AND CHILD DEVELOPMENT 1 Semester 9-12

Prerequisite – None. Examination of role and responsibilities of parents and reasons why people choose to be parents. Focus is on the development of the child from prenatal to age one. The importance of healthy habits before and throughout pregnancy is documented. Other topics include selection of quality caregivers, discipline, guidance, family crises and its impact on the child, child protection, diseases and genetic defects, and careers.

INDUSTRIAL ARTS	CREDIT	COURSE LENGTH	GRADE
480 WOODS (each year fall, & odd springs)	1	Semester	9-12
<u>Prerequisite – None. Limit 12</u> This introductory course is designed to acquaint students with the safe handling of wood, with machines and hand tools. The students will cover topics including safety, measurement and layout, cutting wood, cutting wood joints, adhesives, wood properties,			

finishing techniques, project step planning, man-made wood products. There is 1 required project: a wooden mantel clock.

481 ADVANCED WOODS (odd years, fall) 1 Semester 10-12
Prerequisite - WOODS I. This advanced course is an independent projects class for students to explore the various woods areas, in the production of furniture or cabinets. The students will demonstrate safe shop practices while producing projects. Drawings, plan of procedure, and bill of materials will be made for each project.

487 CONSTRUCTION 1 Semester 11-12
Prerequisite – WOODS. This course is designed to acquaint students with the safe handling of construction materials, with machines and hand tools. The students will cover topics including safely use of tools, measurement and layout building footprint, wall construction, roof construction, concrete activity. Lab work will depend on availability of construction projects.

482 METALS I (each year, fall & even springs) 1 Semester 9-12
Prerequisite – None. Limit 12 This introductory course is designed to acquaint students with the safe handling of metals, with machines and hand tools. The students will cover topics including safety, measurement and layout, bench metal, forging, foundry, wrought iron, and cost estimation. The students will demonstrate safe shop practices while producing 1 project in each of the 5 areas.

483 WELDING FUNDAMENTALS (each year, spring) 1 Semester 10-12
Prerequisite - Metals I Limit 6 This course is designed for the student who needs basic welding skills. The two welding processes covered are: Oxy-Acetylene Welding, Shielded Metal Arc Welding (SMAW or stick), Topics include: safety, setup of equipment, electrode selection, metal transfer, shielding gases, welding distortion control, and the welding of ferrous metals. Lab experience will provide for skill development in these areas.

484 METALS II (even years, spring) 1 Semester 9-12
Prerequisite - Metals I Limit 6 This advanced course is designed to acquaint students with precision measuring, engine lathe vertical milling, and CNC milling. The students will demonstrate safe shop practices and will produce 1 project in each area. Drawings, plan of procedure, and bill of materials will be made for each.

486 ADVANCED METALS (even years, fall) 1 Semester 11-12
Prerequisite - Metal II & Welding Limit 4 This advanced course is an independent projects class for students to explore the various metals areas. The students will demonstrate safe shop practices while producing projects. Drawings, plan of procedure, and bill of materials will be made for each project.

490 DRAFTING (each year) 1 Semester 9-12
Prerequisite – None. Limit 12 This introductory course is designed to acquaint students with the printed language of industry. The students will cover topics including ANSI lettering, tools, constructions, shape description and size description. Additional units will cover sketching, pictorials(oblique-isometric-perspective), sectioning, stretch-outs, and auxiliary views.

492 COMPUTER AIDED DRAFTING 1 Semester 9-12
Prerequisite –Drafting Limit 12 This introductory course will give a basic look at drafting by use of the **Auto Cad** drafting program. The students will use the computer to apply common

industrial drafting practices.

493 ADVANCED CAD 1 Semester 11-12
Prerequisite – Drafting & C.A.D. Limit 12 This advanced course is a second semester of computing drafting using the **Solid Works** drafting program.

494 ARCHITECTURE & TECH. DRAFT 1 Semester 10-12
Prerequisite - Drafting & C.A.D. Limit 12 This advanced course will start out with an architecture (the making of a set of house blue prints) unit, using the **CHIEF ARCHITECT** drafting program. Additional units will cover sketching, pictorials (oblique-isometric-perspective), sectioning, stretch-outs, and auxiliary views.

COLLEGE NOW AND OTHER COLLEGE DUAL CREDITS

Please note: WIT class offerings are contingent upon the number of students enrolled.

564 CONSTRUCTION TRADES 2 Sem. 11-12
This course through Western Iowa Tech. allows students to learn and develop skills in a variety of areas. This is done by working on larger, "hands on" projects within the community. These areas could include: framing, general carpentry, drywall, plastering, masonry, electricity and plumbing. The specific skills taught and used will depend upon the project(s) selected by WIT. This course is for high school and college credit (Western Iowa Tech Community College).

OTHER	CREDIT	COURSE LENGTH	GRADE
515 WEL 331 WELDING FUNDAMENTALS	1	Semester	11-12

This course is designed for the student who needs basic welding skills. The four welding processes covered are: Shielded Metal Arc Welding (SMAW or stick, Oxy-Acetylene Welding, Gas Metal Arc Welding (MIG) and Gas Tungsten Arc Welding (TIG). Topics include: safety, setup of equipment, electrode selection, metal transfer, shielding gases, welding distortion control, and the welding of ferrous and nonferrous metals. Lab experience will provide for skill development in these areas.

520 BCA 130 ADVANCED WORD PROCESSING	.50	Qtr. 2	11-12
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Prerequisite – BCA 129. This course covers the advanced features of Microsoft Word. Skills introduced include: using mail merge features; sorting text and data records; creating macros; document notations; using basic desktop publishing features; creating online forms.

521 BCA 129 BASIC WORD PROCESSING	.50	Qtr. 1	11-12
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Prerequisite – Keyboarding (30 wpm is required) This course addresses basic and intermediate levels of word processing using Microsoft Word. Skills introduced include using and manipulating Windows, entering and editing text, formatting paragraphs and text, using the spelling checker and thesaurus, selecting printers and printing documents, and applying document formatting options.

522 BCA 147 BASIC SPREADSHEETS	.50	Qtr. 3	11-12
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Prerequisite – Keyboarding, 30 words per minute are required (course is taken with BCA 175). This course is designed to acquaint the student with the basic concepts of an electronic spreadsheet program. Hands-on practice in designing, building, and editing spreadsheets will develop the basic skills necessary to construct spreadsheets for home and business use.

523 BCA 175 BASIC PRESENTATION SOFTWARE	.50	Qtr.4	11-12
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Prerequisite – Keyboarding, 30 words per minute required (course is taken with BCA 147). This course covers the development of presentation visuals using presentation software on a computer. Included in the course are how to plan and organize presentations and develop materials such as slides, black and white handouts and overheads. Students will learn how to integrate materials from several software sources, purchased graphics and art, and scanned materials. Preparing presentations for the Web will also be covered.

530 BIO 169 ANATOMY AND PHYSIOLOGY I 1 Semester 11-12
Prerequisite: 1) Score 22 or higher on the ACT test 2) 2 semesters of High School Chemistry with a B- or better or 1 semester of High school Chemistry with a B- or better and 1 semester of High school biology with a B- or better 3) Completion with a C- or better in a transfer level Biology (BIO-105 or higher) or Chemistry (CHM-122 or higher). This is a combined lecture and lab course that explores the relationship between structure and function in the human body. This course covers the skeletal, muscular, integumentary, and nervous systems, as well as cytology and histology. This course is for high school and college credit (4 college credits through Western Iowa Tech Community College).

531 BIO 174 ANATOMY AND PHYSIOLOGY II 1 Semester 11-12
Prerequisite: Bio 169. This is a combined lecture and lab course. It is a continuation of Anatomy and Physiology I. The structure and function of the cardiovascular, lymphatic, endocrine, respiratory, digestive, urinary and reproductive systems are studied. This course is for high school and college credit (4 college credits through Western Iowa Tech Community College).

556 CRJ 100 INTRODUCTION TO CRIMINAL JUSTICE 1 Semester 11-12
This course studies the history of law enforcement and respective agencies and the basic theories of the criminal behavior as well as law enforcement terminology and technology. It emphasizes the duties and responsibilities of the law enforcement officer to the individual and society as a whole and explores and defines techniques, technical terms, and basic procedures.

532 EMS 110 FIRST RESPONDER 1 Semester 11-12
This course emphasizes the development of student skills in emergency medical care procedures. Includes life threatening emergencies, injuries to various body parts, and techniques of moving patients, CPR-BLS, and blood-borne pathogens. Successful completion of course requirements allows students to write certificate examination for EMS First Responder.

538 HSC 109 HEALTH CAREERS & TEAMS 1 Semester 11-12
Designed to provide information on career options for individuals who are interested in pursuing a career in the healthcare industry. It includes the study of team dynamics and communication techniques necessary to work and succeed in the healthcare field. Students are given opportunities for career exploration through research and projects utilizing the Internet and library databases. It also provides instruction in browsing the Internet, using e-mail, and other computer literacy tools necessary for taking online courses and for careers in the healthcare industry.

- 534 HSC 114 MEDICAL TERMINOLOGY 1 Semester 11-12
 Medical Terminology: Presents medical terminology as the language of medicine. Studies spelling, pronunciation and usage, emphasis on word analysis and construction of definitions.
- 536 HSC 173 NURSES AIDE THEORY 1 Semester 11-12
Prerequisite HSC 109 Co-requisite - HSC 174 Course is designed to provide the student with the fundamentals of patient care in the healthcare environment. Students will learn basic anatomy, physiology, medical terminology, meeting human needs, safety measures, infection control, and physical care.
- 537 HSC 174 NURSE AIDE CLINICAL 1 Semester 11-12
Prerequisite HSC 109 Co-requisite - HSC 173 This course expands the students' knowledge of tasks, assessments and observations of patients in the healthcare environment. Students will develop technical skills specific to complex needs of the patient. This course is designed to teach the students what they need to know to pass the state CNA Certification test. It will involve working in a healthcare facility for no pay for about six hours per day for six Saturdays. This is a requirement of the class and before taking the state certification test. The student is responsible for the cost of the state certification test (around \$120.00) this course is for high school and college credit (Western Iowa Tech Community College).
- 455 HSC-178 Advanced CNA Skills 1 Semester 11-12
Prerequisite: HSC-173 & HSC-174 This course is designed as an optional additional unit of instruction for nurse aides who work in long-term care. This additional material provides the learner with content emphasizing the knowledge, attitude, and skills necessary for providing patient care in the acute setting. This course is taught at the Cherokee Regional Medical Center (CRMC).
- 582 PHR 105 INTRO. TO PHARMACY TECH. 1 Semester 11-12
 With Guidance Counselor's permission only. Also, students must meet "cut scores" to take this class. This course is designed to provide the student with basic knowledge about community and institutional pharmacy practice. Topics include: orientation to technician duties, medical terminology, introduction to institutional pharmacy practice, introduction to community /ambulatory pharmacy practice and pharmacy calculations. Persons taking this course should have basic reading comprehension skills and high school algebra.
- 583 PHR 120 PHARMACOLOGY PHARMACY TECH. 1 Semester 11-12
 This course is designed to introduce the student to the basic concepts of pharmacology as well as the biological factors affecting the actions of drugs for each pharmacological classification. This course is designed for the pharmacy technician and is the second of three courses in the Pharmacy Technician Certification program. The course is also appropriate to update the knowledge of other healthcare professionals who participate in the delivery of medications in a variety of settings.
- 584 PHR 941 PHARMACY TECH. PRACTICUM 1 Semester 11-12
 This course provides the student with the opportunity to learn the clinical skills required to function as a Pharmacy Technician. Students will also have the opportunity to demonstrate clinical applications of skills and to assume the role of the Pharmacy Technician. They will then

apply and practice these skills in the institutional and/or retail pharmacy setting under the direct supervision of a pharmacist.

263 MAT 157 STATISTICS 1 Semester 11-12
Prerequisite: ACT comp score of 22 or higher & Math sub-score of 23 or higher, or can meet cut scores on the WITC College Placement Tests. This course addresses theory, techniques, and applications of statistical analyses: descriptive statistics, probability, sampling, estimation, test of hypotheses, ANOVA, linear regression and nonparametric procedures. Computer skills and use is needed throughout the course. This is a dual credit College NOW class worth 4 college credits.

285 MAT 211 CALCULUS 1 Semester 12
Prerequisite – Pre-Calculus & ACT comp score of 22 or higher & Math sub-score of 23 or higher, or can meet cut scores on the WITC College Placement Tests. This is the fifth year of the college prep mathematics sequence, following Pre-Calculus. The course will include a review of the properties of the real number system; a review of trigonometry and circular functions; logarithms and exponential functions; and most of the Advanced Placement Calculus AB syllabus. Students will receive both high school and college credit for this dual credit course.

WIND ENERGY PROGRAM CREDIT COURSE LENGTH GRADE

Note: This program prepares students with the entry-level technical skills and knowledge to maintain and operate a wind turbine. Students will also receive safety and procedural training in preparation of becoming qualified climber.

1st Semester Classes:

ELE 101 Industrial Safety 1 Semester 12
 This course covers mechanical, chemical, environmental and electrical aspects of safety. The role of OSHA in the workplace is presented. Students will become familiar with forms such as Material Safety Data Sheets and will be trained in the use of (PPE) Personal Protection Equipment and in other safety procedures related to materials handling and storage. Industrial hazards such as fall protection and caught-in/struck-by will be emphasized. Students will receive the OSHA 10 safety training and will be presented an OSHA 10 card upon successfully completing this course.

SDV 108 THE COLLEGE EXPERIENCE 1 Semester 12
 This course introduces students to the college’s expectations, environment, and resources so that students may become more competent participants in the learning process.

ELE 112 BASIC ELECTRICAL THEORY 1 Semester 12
 This course will introduce the students to the fundamentals of electricity. Electrical topics will include AC and DC theory, Ohm’s Law, Electrical Circuits, Electrical Power Generation, Motors, and Transformers. This course emphasizes electrical safety as students will work with energized circuits.

ELE 195 MOTOR CONTROL 1 Semester 12

In this course students will earn the fundamentals of how motors are controlled in the use of various control devices. Industry standards in working safely with installation, maintenance and troubleshooting will be introduced and performed. Electrical symbols, diagrams, equipment and methods used in the design and application of motor control circuits will be discussed.

2nd Semester Classes:

BPT 114 INSTRUMENTATION I 1 Semester 12
 This course is designed to provide the student with an introduction to basic process and continuous process control. This course teaches two of the most common types of process control systems, flow and liquid level, and the basic concepts on which other systems are based. Students will learn to calibrate, adjust, install, operate, and connect process control systems in industrial applications thus broadening their employment opportunities. Topics induced, but are not limited to, feedback, modes, characteristics, variable, instrumentation and connections.

ELT 250 PROGRAMMABLE LOGIC CONTROLLERS 1.5 Semester 12
 This course is a combine lecture and laboratory class. This class introduces the use of PLCs, programming PLCs via ladder diagrams, and wiring PLCs to sensors and controllers.

ELT 102 BLUEPRINT READING 2 Year 12
 This course is designed to give meaning to the lines and symbols found on a set of blueprints. Students use inanimate objects and familiar construction shapes or orthographic and isometric drawings to learn the understanding of shapes, sizes, and dimensions. Topics include building terms and construction features of the carpentry, masonry, electrical, mechanical, and plumbing trades.

AUTOMOTIVE/MOTOR PROGRAM CREDIT COURSE LENGTH GRADE

1st Semester Classes:

498 AUT 703 AUTOMOTIVE HEATING & A/C 1.5 Semester 12
 This is a combined lecture and lab course that covers the theory, operation, and service of automotive heating and air conditioning systems. It presents component repair, charging, and leak service and emphasizes the diagnosis of electronic climate control systems and safe recovery of refrigerant compounds.

596 MOT 109 FUNDAMENTALS OF SMALL ENGINE 1.5 Semester 11-12
 (1st Semester) This course provides students with a fundamental understanding of the operation, maintenance and repair of small gas engines. Students focus on engine theory and diagnostics of the entire system application.

2nd Semester Classes:

503 AUT 164 AUTOMOTIVE ENGINE REPAIR 2 Semester 12
 (2nd Year / 2nd Semester) Prerequisite - AUT 104. This is a combined lecture and lab course that provides information in areas of engine mechanical diagnosis and service. It includes lab experience in the overhaul of a variety of automotive engines, cylinder head service and engine machining. It also covers overhead cam and multiple valve technology.

501 AUT 615 AUTO ELECTRICITY ELECTRONICS 2 Semester 11-12
 (1st Year / 2nd Semester) Prerequisite - AUT 104. This course will cover the theory, diagnosis and service practices related to electronic systems found on today's automobiles. The basics of

electricity, meter use and circuit analysis will be extensively covered. Special emphasis will be made in the areas of schematics use, electrical system diagnosis, and circuit theory. Semiconductor use and computer operation will also be covered.