

USD 309 NICKERSON – SOUTH HUTCHINSON

NICKERSON HIGH SCHOOL

Course Description Handbook 2023-2024

NHS Graduation Requirements
Nickerson High's Test-Out Policy
NHS Fee Schedule
Early Graduation Requirements
Four-Year Plan – Non-Regents Curriculum
Four-Year Plan – Regents Curriculum
Kansas Regents Qualified Admissions Curriculum and Regents Scholarship Curriculum
NCAA Eligibility Requirements

Course Titles, Credits, Prerequisites, and Descriptions

Language Arts
Math
Science
Social Studies
Foreign Language
Marketing
Audio Visual Communications
Fine Arts (Art, Music, Speech, Forensics, Debate, Drama)
Physical Education
Practical Arts
FACS
Non-Department (Driver Education, Aide)

Updated: April 20, 2023

NHS Graduation Requirements – 2023-24

To be eligible to graduate from Nickerson High School, a student must satisfactorily complete the below listed total units of credit. Included in this total are various department requirements. 2021-22 is the first year of the 7 period day replacing the block schedule used in previous years.

Total credits needed for graduation: 26

English – 4 credits

- *English 9 – 1 cr.
- *English 10 – 1 cr.
- *English 11 – 1 cr.
- *English 12 – 1 cr.
- *Speech – ½ cr.

Fine Arts – 1 credit

Physical Education – 1 credit

- *Health – ½ cr. (Sophomore Year)
- Lifetime Sports – ½ cr.)
- Weightlifting – ½ cr.
- Fitness and Conditioning – ½ cr.

Social Studies – 3 credits

- *World Geography (Freshman Year) – ½ cr.
- *World History (Soph. Year) – ½ cr.
- *U.S. History A and B (Junior Year) – 1 cr.
- *American Government (Senior Year) – ½ cr.
- *Social Science Elective – ½ cr. (Jr./Sr. Year)

Science – 3 credits

- Biology 1A and Biology 1B – 1 cr. (Sophomore Year)
- Physical Science 1A and Physical Science 1B – 1 cr. (Freshman Year)
- Chemistry A and Chemistry B – 1 cr.
- AP Chemistry A and B – 1 cr.
- Anatomy & Physiology A and B – 1 cr.
- Physics A and Physics B – 1 cr.
- Astronomy – ½ cr.
- Geology – ½ cr.
- Meteorology – ½ cr.

Math – 3 Credits

- *Algebra 1A and 1B
- *Algebra 2A and 2B
- *Geometry A and B – 1 cr.
- *Algebra 2A and 2B – 1 cr.
- **Algebra 3 – ½ cr.
- **Trigonometry – ½ cr.
- **AP Statistics A and B – 1 cr.
- AP Calculus A and B – 1 cr.
- HCC College Algebra

Personal Finance – ½ credit (Starts with class of 2025)

- Personal Finance A or B
- Consumer Economics and Personal Finance

(*) Required courses

() Required Course if Geometry is your first high school class or if Algebra 1 was taken at RVMS**

Fine Arts include Art Exploration, Ceramics, Intro to Drawing, Painting, Graphic Design Fundamentals, Advanced Art, Band, Jazz Band, Chorale, Womens' Choir, Madrigals, Forensics, Debate, Beginning Drama, Advanced Drama 21st Century Journalism, Digital Media Technology, and Digital Media Design.

Questions or Concerns

More detailed information concerning enrollment, procedures and class offerings may be gained by visiting Nickerson High School between 7:30 AM and 3:30 PM school days or by calling 422-3226 or 866-422-3226. You are urged to visit or call should you encounter a problem or have a question.

Non-Discrimination Policy: Nickerson High School does not discriminate on the basis of race, color, national origin, sex, disability, or age in its many programs and activities.

The administration of Nickerson High School reserves the right to override prerequisites or other course stipulations. Some examples include:

- 1. When addressing enrollment needs of transfer students**
- 2. When classroom space does not allow us to add another student**
- 3. When addressing graduation needs of new students**
- 4. When illness or injury requires a change in a student's schedule**
- 5. Whenever the greater good of the student will be met**

Approved Courses for Testing Out

In accordance with Nickerson High School's test-out policy, the following courses have been approved for testing out:

English Department

English 9A and 9B
English 10A and 10B
English 11A and 11B
English 12A and 12B

Social Science Department

World Geography
World History
U.S. History A and B
American Government
Psychology

Math Department

Algebra 1A and 1B
Geometry A and B
Algebra 2A and 2B

Physical Education Department

Health

Science Department

Biology 1A and 1B
Earth/Space Science A and B

Note: Requests for testing out of a class must be submitted by April 20 for first semester of the following year and by October 20 for second semester.

Early Graduation Request

Beginning with the school year 2004-05, Nickerson High School began allowing early graduation. The student must provide information to the following questions to assist the review team (superintendent, assistant superintendent, principal, vice-principal, and counselor) in making a decision about this request. For tracking purposes only, we are requesting the student to indicate why they are opting for early graduation. This tracking information in no way will affect the team's decision.

1. Student must be on track to graduate to be eligible for early graduation. Student currently has _____ credits. Class of 2023 and later must have 26 credits to graduate and have met all departmental requirements.
2. Juniors shall submit an early graduation request to principal or counselor by May 15 of the year prior to graduation.
3. The student and parent/guardian must sign the early graduation request.
4. Student must pass all required classes by the end of the first semester or his/her senior year.
5. Student must have all fees paid (lunch, shop, library, enrollment) and returned all textbooks, computer, classroom or athletic equipment and library books.

In addition, all students opting for early graduation would be subject to the following conditions:

- Eligibility for all extra curricular activities would end when the student successfully completed all course work in December of their senior year. Graduates would not be allowed to participate in Kansas State High School Athletic Association (KSHSAA) events.
- Students graduating at semester will be allowed to attend Prom, participate in the graduation ceremonies and the scholarship and awards program in May. Participation in these events would be contingent on the student remaining in good standing with the school from the time of early graduation until the time of the event.

Four Year Plan

Freshman

Semester 1

- 1 Physical Science
- 2 Algebra 1A
- 3 Fear Factor
- 4 Lifetime Sports
- 5 Band A
- 6 Choir A
- 7 Intro. To Industrial Technology

Semester 2

- 1 Meteorology
- 2 Algebra 1B
- 3 Magic For Muggles
- 4 Intro to Welding
- 5 Band B
- 6 Choir B
- 7 World Geography

Junior

Semester 1

- 1 U.S. History A
- 2 Family Studies A
- 3 Chemistry A
- 4 Practical Arts Woods
- 5 Algebra 2A
- 6 Art Exploration
- 7 Resilience

Semester 2

- 1 U.S. History B
- 2 Chemistry B
- 3 Production Welding Processes 1A
- 4 The Great Outdoors
- 5 Algebra 2B
- 6 Ceramics
- 7 Carpentry A

Sophomore

Semester 1

- 1 Multicultural Authors
- 2 Geometry A
- 3 Biology 1A
- 4 Spanish 1A
- 5 Band A
- 6 Choir A
- 7 World History

Semester 2

- 1 War
- 2 Geometry B
- 3 Biology 1B
- 4 Spanish 1B
- 5 Band B
- 6 Choir B
- 7 Health

Senior

Semester 1

- 1 Carpentry B
- 2 Food Science
- 3 Psychology
- 4 Speech
- 5 Band A
- 6 Madrigals A
- 7 American Govt.

Semester 2

- 1 Creative Writing
- 2 Beginning Drama
- 3 Food Science
- 4 Intro to Drawing
- 5 Band B
- 6 Madrigals B
- 7 Adv. Art

Kansas Regents Qualified Admissions Curriculum and Regents Scholarship Curriculum

As of the Fall, 2001, **you must meet one** of the following requirements to qualify for admission to any of the six (Fort Hays State, Emporia State, Kansas State, Kansas, Wichita State, and Pittsburg State) Kansas Regents universities:

- * Achieve an ACT composite score of 21 or above; **or**
- * Rank in the top one-third of your high school's graduating class; **and**
- * Complete the Qualified Admissions curriculum with at least a 2.0 Grade Point Average (GPA) on a 4.0 scale.

One of the ways you can meet university admission requirements is to successfully complete the Qualified Admissions Curriculum as outlined by the Kansas Board of Regents. You must complete the courses with at least a 2.0 GPA on a 4.0 Scale. This is a C average.

Note: 1 unit = 1 year or 2 semesters

English	You must take at least one unit of English for each year of high school.
4 Units	Although you are encouraged to take courses in journalism, speech, drama/theatre, and/or debate in addition to the English requirement, these courses cannot fill any part of the English requirement.
Natural Science	You must take three units chosen from the following courses:
3 Units	* Biology 1A and 1B
	* Biology 2A and 2B
	* Earth/Space Science 1A and 1B
	* Chemistry A and B**
	* Physics A and B**
	** At least one unit must be in chemistry or physics
Math	Students must take one unit of:
3 Units	* Algebra 1A and 1B
	* Geometry A and B
	* Algebra 2A and 2B
	If you completed any of the required math courses in middle school, it can count toward the Regents Scholars math requirement.
	Completion of both Applied Math I and II can be substituted for Algebra I only.

Social Sciences	You must complete the following:
3 Units	
	* one unit of U.S. History A and B
	* one-half unit of U.S. Government
	One-half unit selected from:
	* World History
	* World Geography
	* International Relations
	One unit selected from:
	* Psychology
	* Current social Issues
	* Economics
	* Sociology
	* Civics
	* Geography
	* History
	* Anthropology
Units Required for Scholarship Consideration:	
English	No additional units required
Natural Science	Must take Biology, Chemistry and Physics
Math	Must take 1 additional unit of advanced math
Social Science	No additional units required
Computer Technology	No additional units required
Foreign Language	2 units required. Must be in one foreign language.



Qualified Admissions Kansas Residents

Five of the six state universities in Kansas, including Emporia State University, Fort Hays State University, Kansas State University, Pittsburg State University, and Wichita State University, use the standards below to review applicants for undergraduate admission. The University of Kansas has different admission standards from those listed below, visit admissions.ku.edu for more information. Standards are set by the Kansas Board of Regents.

ACCREDITED HIGH SCHOOL

If you are a Kansas resident who will graduate from an accredited high school during the 2015-2016 academic year or later, you can guarantee admission to five of the state's universities by completing the Qualified Admissions or Kansas Scholars curriculum with a 2.0 GPA and by meeting one of the following requirements:

- ACT score of at least 21; OR
- SAT score of at least 980; OR
- Graduate in the top 1/3rd of your class.

If you enroll in college courses while you are in high school, it is also required that you achieve a 2.0 GPA or higher in those courses.

QUALIFIED ADMISSIONS PRECOLLEGE CURRICULUM

Kansas Course Codes are used to identify courses that fulfill Qualified Admissions curriculum requirements. A complete list of courses is available at the Kansas Board of Regents website: kansasregents.org/qualified_admissions. Additionally, your high school counselor has a list of courses at your high school that fulfill these requirements.

One unit is equivalent to one year, or two semesters. Dual enrollment, concurrent enrollment, and online courses may be used to fulfill the Qualified Admissions curriculum requirements. All courses must appear on your high school transcript, and courses completed in middle school or junior high do not fulfill the Qualified Admissions Math requirements.



English

4 approved units,
½ unit may be
Speech



Math

Must complete either:
Option A - 3 approved units
and meet the ACT college
readiness math benchmark
of 22. *Option B* - 4 approved
units, one of which must be
taken in the graduating year



Social Science

3 approved units



Natural Science

3 approved units,
one of which must be
a full unit of Chemistry
or Physics



Electives

3 approved units

UNACCREDITED HIGH SCHOOL

If you are a Kansas resident who will graduate from an unaccredited high school during the 2015-2016 academic year or later, you can guarantee admission to five of the state's universities by completing coursework equivalent to the Qualified Admissions or Kansas Scholars curriculum with a 2.0 GPA and by achieving an ACT score of at least 21 or an SAT score of at least 980. If you enroll in college courses while you are in high school, it is also required that you achieve a 2.0 GPA or higher in those courses.

This document provides a summary overview of admission requirements at state universities and is not a substitute for or to be used in lieu of the actual detailed admissions requirements, which can be found at: www.kansasregents.org/qualified_admissions_rules_regulations.

Date: April 2014

NCAA Eligibility Requirements

The NCAA has established a central clearinghouse to certify athlete’s eligibility for Division I and II. If you intend to participate in athletics at a Division I or II school as a freshman, you must be registered with and be certified as eligible by NCAA Initial-Eligibility Clearinghouse. Please note that initial-eligibility certification pertains only to whether you meet particular Division I or II institution requirements. You should register with the Clearinghouse whenever you decide you would like to participate in athletics as a college freshman. It generally is best to register after your junior year grades appear on your transcript. Although you can register anytime before participation, if you register later your may face delays that will prevent you from participating and competing. For more info go to www.ncaa.org.

NCAA Division I and NCAA Division II Chart

NCAA Division I 2008 and later	NCAA Division II 2013 and later
Freshman-eligibility standards – all student-athletes must register with the NCAA Initial-Eligibility Clearinghouse	Freshman-eligibility standards – all student-athletes must register with the NCAA Initial-Eligibility Clearinghouse
Requirements	Requirements
<ul style="list-style-type: none"> - Graduation from high school - GPA in 16 core courses meeting the NCAA core course definition must correspond with the ACT sum-scores or SAT total score set by the clearinghouse. These can be seen at the NCAA web site. 	<ul style="list-style-type: none"> - Graduation from high school - GPA in 16 core courses meeting the NCAA core course definition must correspond with the ACT sum-scores or SAT total score set by the Clearinghouse. These can be seen at the NCAA web site.
High School Courses	High School Courses
<ul style="list-style-type: none"> - 4 years of English - 3 years of Math – Algebra I or higher - 2 years of Social Science - 2 years of Natural or Physical Science, (1 year of lab if offered by high school) - 1 year of additional English, Math or Natural or Physical Science - 4 years of additional courses from any area above, foreign language or nondoctrinal religion/philosophy. 	<ul style="list-style-type: none"> - 3 years of English - 2 years of Math (at level of Algebra I or above - 2 years of Social Science - 2 years of Natural or Physical Science (1 year of lab if offered by high school) - 3 years of additional English, mathematics or natural/physical science. - 4 years of additional courses (from any area above, foreign language or nondoctrinal religion/philosophy).

Career Clusters/Pathways

Beginning in school year 2011-12, we began offering career pathways to prepare students with the knowledge and skills necessary for continued education and, ultimately, a successful career. There are 16 career clusters and each cluster has career pathways built into it. We are offering pathways in the Architecture and Construction, Manufacturing, Human Services, Hospitality and Tourism, and Arts, Audio/Video Technology and Communications clusters. Each pathway is broken down in three levels; 1) Introductory level, 2) Technical level, and 3) Application level classes. Completers of a pathway are called concentrators. For a student to be a concentrator, at least 2 of 3 required secondary level credits taken must be a combination of technical and application level courses. Here’s an example of one of our new clusters and the pathway within the cluster:

Construction and Design Pathway
Design Strand

Introductory Level

Introduction to Industrial Technology ½ credit
Practical Arts Woods ½ credit

Technical Level

Drafting CAD A ½ credit
Drafting CAD B ½ credit

Application Level

Research and Design for Pre-Construction A ½ credit
Research and Design for Pre-Construction B ½ Credit

ARTS, A/V AND COMMUNICATION CAREER CLUSTER DESIGN

AV Communications Pathway – CIP Code 09.0702

Approved Pathway:

- 1) Includes minimum of three secondary-level credits.
- 2) Includes a work-based element.
- 3) Consists of a sequence: Introductory-level, Technical-level, and Application-level courses.
- 4) Supporting documentation include Articulation Agreement(s) and a Program of Study.
- 5) Technical-level and Application-level courses receive .5 state-weighted funding in an approved CTE pathway.

Concentrator Requirement

For a student to be a concentrator, at least 2 of 3 required secondary level credits taken must be a combination of technical and application levels.

Nov. 2010

INTRODUCTORY LEVEL

Business Essentials	12050	.5 credit
Computer Applications	10004/60004	1 credit

TECHNICAL LEVEL

*21st Century Journalism	30100	.5 credit
Digital Media Technology	30104	.5 credit
Media and Public Relations	43115	.5 credit
Audio/Video Production Fund	30103	.5 credit
Photo Imaging	30105	.5 credit
Graphic Design Fundamentals	30102	.5 credit
Graphic Design	05162/11154	1 credit
Marketing	12152	1 credit

APPLICATION LEVEL

Project Mgmt.& Resource Scheduling	21205	1 credit
Video Production	30150	1 credit
Digital Media Design & Production	30151	1 credit

*Required for pathway approval.

ALL ONE CREDIT COURSES MAY BE TAUGHT AS TWO .5 CREDIT COURSES.

Architecture & Construction CAREER CLUSTER DESIGN

Construction & Design– CIP Code 46.0000

INTRODUCTORY LEVEL

**Introduction to Industrial Technology	38001	.5 credit
Drafting	21102	.5 credit

TECHNICAL LEVEL

Design Strand			Construction Strand		
Drafting / CAD	21107	1 credit	Carpentry	17002	1 credit
Architecture Design	21103	1 credit	Woodworking Principles	17007	1 credit
			Skilled Mechanical Crafts	17062	.5 credit

APPLICATION LEVEL

Design Strand			Construction Strand		
Research & Design for Pre-Construction	21109	1 credit	*Carpentry II	38002	1 credit
Advanced Studies	38050	.5 credit	Furniture & Cabinetry Fabrication	38007	1 credit
Residential Interior Design	22212	.5 credit	*Sheet Metal & HVACR	38012	1 credit
Commercial & Industrial Interior Design	38212	.5 credit	*Research & Design in Building Trades	17005	1 credit
			*Remodel & Building Maintenance	17009	.5 credit
			*Sheet Metal	13205	.5 credit
			*HVAC Technology	17056	.5 credit
			*Plumbing Technology	17058	.5 credit
			*Electrical & Security Systems	17113	.5 credit
			*Pipefitting Technology	17061	1 credit
			***Advanced Materials Technology	38010	1 credit

* Carpentry I (17002) is a Pre-requisite ** Required for Construction Strand *** 17007 & 38007 are Pre-requisites
Approved Pathway must contain 3 credits within one strand before adding courses from other strand.

Approved Pathway:

- 1) Includes minimum of three secondary-level credits.
- 2) Includes a work-based element.
- 3) Consists of a sequence: Introductory-level, Technical-level, and Application-level courses.
- 4) Supporting documentation include Articulation Agreement(s) and a Program of Study.
- 5) Technical-level and Application-level courses receive .5 state-weighted funding in an approved CTE pathway.

Concentrator Requirement

For a student to be a concentrator, at least 2 of 3 required secondary level credits taken must be a combination of technical and application levels.

ARTS, A/V AND COMMUNICATION CAREER CLUSTER DESIGN

Visual Arts Pathway – CIP Code 50.0499

Approved Pathway:

- 1) Includes minimum of three secondary-level credits.
- 2) Includes a work-based element.
- 3) Consists of a sequence: Introductory-level, Technical-level, and Application-level courses.
- 4) Supporting documentation includes Articulation Agreement(s), Certification, Program Improvement Plan, and a Program of Study.
- 5) Technical-level and Application-level courses receive .5 state-weighted funding in an approved CTE pathway.

INTRODUCTORY LEVEL

Career & Life Planning	22207	.5 credit
Intro to Drawing	30005	.5 credit
Computer Applications	10004/60004	1 credit
Intro to Fam & Cons. Sciences	45001	1 credit

TECHNICAL LEVEL *(Select a strand at the division)*

Principles of Illustration	30101	.5 credit
Photo Imaging	30105	.5 credit

Interior & Textile Design Strand (4 Dimensional Design)

*Essentials of Interior & Textile Design	30110	.5 credit
Trends in Interior and Textile Design	30111	1 credit
Interior and Textile Merchandising	30112	.5 credit

Graphic Design Strand (2 Dimensional Design)

*Graphic Design Fundamentals	30102	.5 credit
Computer Graphics	10202	1 credit
Graphic Design	05162/11154	1 credit

APPLICATION LEVEL

Interior & Textile Design Strand

Interior & Textile Design Studio	30160	1 credit
Interior Design	22212	.5 credit
Comm. & Industrial Interior Design	38212	.5 credit
Community Connections	22270	.5 credit
Career Connections	22275	.5 credit

Graphic Design Strand

Project Mgmt. & Resource Scheduling	21205	1 credit
Media Technology-Workplace Experience	10248	1 credit

Government and Public Administration CAREER CLUSTER DESIGN

Government and Public Administration Pathway – CIP Code 44.0401

Approved Pathway:

- 1) Includes minimum of three (3) secondary-level credits.
- 2) Includes a work-based element.
- 3) Consists of a sequence: Introductory-level, Technical-level, and Application-level courses.
- 4) Supporting documentation include Articulation Agreement(s) and a Program of Study.
- 5) Technical-level and Application-level courses receive .5 state-weighted funding in an approved CTE pathway.

Concentrator Requirement

For a student to be a concentrator, at least 2 of 3 required secondary level credits taken must be a combination of technical and application levels.

November, 2010

*Required for Pathway

INTRODUCTORY LEVEL

*Intro to Government & Public Administration	43001	.5 credit
Career & Life Planning	22207	.5 credit

TECHNICAL LEVEL

*Government & Public Admin. Fundamentals	43105	.5 credit
Media & Public Relations	43115	.5 credit
IT for Service Professions	44010	.5 credit

SUPPORTIVE COURSES (Optional, Limited to 1.5 credit total)

Human Growth & Develop A	45004	.5 credit	or	Human Growth & Develop B	45014	1 credit
Business Economics			✓	12105	.5 credit	
Business Law				12054	.5 credit	
Business Management				12052	.5 credit	
Accounting				12104	1 credit	

APPLICATION LEVEL

Career & Community Connections	45250	1 credit
Governance Applications	43250	1 credit

*Required for pathway approval

✓Course is eligible for Regents Qualified Admissions – Social Science

ALL ONE CREDIT COURSES MAY BE TAUGHT AS TWO .5 CREDIT COURSES.

HUMAN SERVICES CAREER CLUSTER DESIGN

Family, Community and Consumer Services Pathway – CIP Code 19.0799

Approved Pathway:

- 1) Includes minimum of three secondary-level credits.
- 2) Includes a work-based element.
- 3) Consists of a sequence: Introductory-level, Technical-level, and Application-level courses.
- 4) Supporting documentation includes Articulation Agreement(s), Certification, Program Approval, and Application level Plan. Courses receive .5 state-weighted and full program of study approved CTE pathway.
- 5) Technical level and

INTRODUCTORY LEVEL

Career & Life Planning

	22	
207	.5	
credit Intro to Family and Consumer		
Sciences	45001	1 credit

TECHNICAL LEVEL

<i>*Human Growth & Develop. A</i>	45004	.5 credit	or	Human Growth & Develop. B	45014	1 credit
<i>*Family Studies</i>	22208	.5 credit				
<i>*Consumer & Personal Finance</i>	22210	.5 credit				
<i>Nutrition & Wellness</i>	08057	.5 credit				
<i>Culinary Essentials</i>	16052	.5 credit				
<i>Leadership Service in Action</i>	22255	.5 credit				

APPLICATION LEVEL

Community Connections	22270	.5 credit
Career Connections	22275	.5 credit

*Required for Pathway approval.

HEALTH SCIENCE CAREER CLUSTER DESIGN

Health Science Pathway – CIP Code 51.9999

Approved Pathway:

- 1) Includes minimum of three secondary-level credits.
- 2) Includes a work-based element.
- 3) Consists of a sequence: Introductory-level, Technical-level, and Application-level courses.
- 4) Supporting documentation include Articulation Agreement(s) and a Program of Study.
- 5) Technical-level and Application-level courses receive .5 state-weighted funding in an approved CTE pathway.

Concentrator Requirement

For a student to be a concentrator, at least

2 of 3 required secondary level credits taken must be a combination of technical and application levels.

INTRODUCTORY LEVEL

Health Science IA	14000	.5 credit	OR	Health Science IB	14001	1 credit
Biology ✓	03051	1 credit		Chemistry	03101	1 credit

TECHNICAL LEVEL

General:

*Human Body Systems ✓	14102	1 credit	OR	*Anatomy & Physiology ✓	03053	1 credit
*Health Science I	14002	1 credit		AP Biology ✓	03056	1 credit
Nutrition & Wellness A	08057	.5 credit	OR	Nutrition & Wellness B	08067	1 credit
Medical Terminology A	14154	.5 credit	OR	Medical Terminology B	36154	1 credit
Health Information (HIT)	14157	1 credit		Special Health Science Topics A	14254	.5 credit
Special Health Science Topics B	36254	1 credit				

Sports Care & Rehabilitation:

Physical Therapy	14060	.5 credit		Care of Athletes	14062	.5 credit
Sports Medicine I	14072	1 credit				

Medical:

Emer. Medical Technology A	14055	.5 credit	OR	Emer. Med. Technology B	36055	1 credit
Medical Imaging A	14103	.5 credit	OR	Medical Imaging B	14149	1 credit
Medical Interventions	14105	1 credit		Prin. Of Biomed Science ✓	14251	1 credit
Biotechnology I A	14252	.5 credit	OR	Biotechnology I B	36252	1 credit
Pharmacology ✓	14253	1 credit				

Health Care:

Nursing I	14051	.5 credit		First Aid/CPR/EMR	44050	.5 credit
Home Health Care	14053	.5 credit		EMT	44060	1 credit

APPLICATION LEVEL

Nursing II	14052	.5 credit		Sports Medicine II	14073	1 credit
Biomedical Innovation ✓	14255	1 credit		Phlebotomy Technician	14104	.5 credit
Biotechnology II	14256	1 credit		Certified Nursing Assistant	14997	.5 credit
Health Science III	36991	1 credit		Proj. Mgmt & Resource Sched.	21205	1 credit
Health Science IV (Shadow/Work)	36992	1 credit		Certified Medication Aide	36156	.5 credit
Health Sci. V (Shadow/Work)	36993	2 credit		Home Health Aide	36053	.5 credit
Forensic Science ✓	44224	.5 credit	OR	Forensic Science Comp. ✓	44225	1 credit

*Select one for pathway approval. ✓Eligible for Regents Qualified Admissions – Natural Science

Boldfaced courses may require specialized teacher certification and/or offer professional certification.

All one credit courses may be taught as two .5 credit courses.

INFORMATION TECHNOLOGY CAREER CLUSTER DESIGN

Programming and Software Development Pathway – CIP Code 11.0201

Approved Pathway:

- 1) Includes minimum of three secondary-level credits.
- 2) Includes a work-based element.
- 3) Consists of a sequence: Introductory-level, Technical-level, and Application-level courses.
- 4) Supporting documentation include Articulation Agreement(s) and a Program of Study.
- 5) Technical-level and Application-level courses receive .5 state-weighted funding in an approved CTE pathway.

Concentrator Requirement

For a student to be a concentrator, at least 2 of 3 required secondary level credits taken must be a combination of technical and application levels.

Nov. 2009

INTRODUCTORY LEVEL

Computing Systems	10002/60002	1 credit
Computer Applications	10004/60004	1 credit

TECHNICAL LEVEL

Business Programming	10151	1 credit
Computer Programming Visual	10152	1 credit
Basic Programming	10153	1 credit
C++ Programming	10154	1 credit
Java Programming	10155	1 credit
Computer Prog.-Other Language	10156	1 credit
Database Applications	10053	1 credit
Web Page Design	10201	1 credit
Data Systems/Processing	10054	1 credit

APPLICATION LEVEL

AP Computer Science	10157	1 credit
IB Computing	10159	1 credit
Particular Topics in Computer Prog.	10160	1 credit
Computer Prog-Workplace Exp.	10198	1 credit
Game Design & Authoring for the Web	10165	1 credit
Computer Programming - Other	10199	1 credit
Project Mgmt. & Res Scheduling	21205	1 credit

ALL ONE CREDIT COURSES MAY BE TAUGHT AS TWO .5 CREDIT COURSES.

INFORMATION TECHNOLOGY CAREER CLUSTER DESIGN

Web and Digital Communications Pathway – CIP Code 11.1004

Approved Pathway:

- 1) Includes minimum of three secondary-level credits.
- 2) Includes a work-based element.
- 3) Consists of a sequence: Introductory-level, Technical-level, and Application-level courses.
- 4) Supporting documentation include Articulation Agreement(s) and a Program of Study.
- 5) Technical-level and Application-level courses receive .5 state-weighted funding in an approved CTE pathway.

Concentrator Requirement

For a student to be a concentrator, at least 2 of 3 required secondary level credits taken must be a combination of technical and application levels.

Nov. 2009

INTRODUCTORY LEVEL

Computing Systems	10002/60002	1 credit
Computer Applications	10004/60004	1 credit

TECHNICAL LEVEL

Web Page Design	10201	1 credit
Computer Graphics	10202	1 credit
Interactive Media	10203	1 credit
Graphic Design	05162/ 11154	1 credit
Computer Programming	10152	1 credit
Internet Marketing	12162	1 credit
Animation	10210	1 credit

APPLICATION LEVEL

Particular Topics in Media Technology	10204	1 credit
Media Tech.-Workplace Experience	10248	1 credit
Media Technology - Other	10249	1 credit
IB Information Tech. in Global Society	10007	1 credit
Emerging Technologies	10040	1 credit
Game Design & Authoring the Web	10165	1 credit
Project Mgmt. & Res. Scheduling	21205	1 credit

ALL ONE CREDIT COURSES MAY BE TAUGHT AS TWO .5 CREDIT COURSES.

MANUFACTURING CAREER CLUSTER DESIGN

Manufacturing Pathway – CIP Code 48.0000

Approved Pathway:

- 1) Includes minimum of three secondary-level credits.
- 2) Includes a work-based element.
- 3) Consists of a sequence: Introductory-level, Technical-level, and Application-level courses.
- 4) Supporting documentation includes Articulation Agreement(s), Certification, Program Improvement Plan, and a Program of Study.
- 5) Technical-level and Application-level courses receive .5 state-weighted funding in an approved CTE pathway.

INTRODUCTORY LEVEL

Introduction to Industrial Technology	38001	.5 credit
Production Blueprint Reading	21108	.5 credit
*Introduction to Welding	13207	.5 credit

TECHNICAL LEVEL

Production Strand

Manufacturing Processes	13002	1 credit
Advanced Production Blueprint Reading	39108	.5 credit
Drafting/CAD	21107	1 credit
Production Welding Processes I (Ag Welding)	39207 (18404)	1 credit
Machine Tool Technology	13203	1 credit
Mass Production	13052	1 credit
CAM	13204	1 credit

Maintenance Strand

Skilled Mechanical Crafts	17062	.5 credit
Advanced Production Blueprint Reading	39108	.5 credit
Machine Tool Technology 1a	39203	.5 credit
Maintenance Welding Processes Mech. Power Transmission & Conveyor Systems	13208	1 credit
	13302	.5 credit

APPLICATION LEVEL

Production Strand

**Adv. Drafting/CAD	21150	1 credit
**Mass Production II	39052	1 credit
**Mach. Tool Tech. II	39204	1 credit
**Research & Design for Manuf.	13998	1 credit
**Production Welding Processes II	39208(18407)	1 credit
**Automated Systems	39010	.5 credit
**Advanced Materials Technology	38010	1 credit

Maintenance Strand

Remodeling & Bldg. Maintenance	17009	.5 credit
Sheet Metal & HVACR	38012	1 credit
Sheet Metal Technology	13205	.5 credit
HVAC Technology	17056	.5 credit
Plumbing Technology	17058	.5 credit
Electrical & Security Systems	17113	.5 credit
**Hydraulics & Pneumatics	39302	.5 credit
Work-Based Maintenance Experience	13348	.5 credit

*Production Strand Only **Has a specific Pre-requisite course(s) – See Competency Profile for details.
Approved Pathway must contain 3 credits within one strand before adding courses from another strand.

MARKETING CAREER CLUSTER DESIGN

Marketing Pathway – CIP Code 52.1402

Approved Pathway:

- 1) Includes minimum of three secondary-level credits.
- 2) Includes a work-based element.
- 3) Consists of a sequence: Introductory-level, Technical-level, and Application-level courses.
- 4) Supporting documentation include Articulation Agreement(s) and a Program of Study.
- 5) Technical-level and Application-level courses receive .5 state-weighted funding in an approved CTE pathway.

Concentrator

Requirement

For a student to be a concentrator, at least 2 of 3 required secondary level credits taken must be a combination of technical and application levels.

INTRODUCTORY LEVEL

*Business Essentials 12050 .5 credit

TECHNICAL LEVEL

*Entrepreneurship 12053 .5 credit

*Marketing 12152 1 credit

Sports/Entertainment Marketing 12163 .5 credit

Business Economics ✓ 12105 .5 credit

Marketing Communication Strand			Marketing Management Strand			Marketing Research Strand		
Graphic Design	05162	1 credit	Accounting	12104	1 credit	Bus. Mgmt.	12052	.5 credit
Comp. Graphics	10202	1 credit	Bus. Mgmt.	12052	.5 credit	Accounting	12104	1 credit
WebPage Design	10201	1 credit	Business Law	12054	.5 credit	Database Appl.	10053	1 credit
Business Comm.	12009	.5 credit						

APPLICATION LEVEL

Marketing Communications Strand			Marketing Management Strand			Marketing Research Strand		
(Must offer both to satisfy strand)								
Marketing Comm.	35168	.5 credit	Marketing Mgmt.	12166	1 credit	Mktg. Research	12196	1 credit
Integrated Mktg Apps	12195	.5 credit						

*Required for pathway approval

✓ Course is eligible for Regents Qualified Admissions – Social Science

ALL ONE CREDIT COURSES MAY BE TAUGHT AS TWO .5 CREDIT COURSES.

SCIENCE, TECHNOLOGY, ENGINEERING & MATH (STEM) CAREER CLUSTER DESIGN

Approved Pathway:

- 1) Includes minimum of three secondary-level credits.
- 2) Includes a work-based element.
- 3) Consists of a sequence: Introductory-level, Technical-level, and Application-level courses.
- 4) Supporting documentation include Articulation Agreement(s) and a Program of Study.
- 5) Technical-level and Application-level courses receive .5 state-weighted funding in an approved CTE pathway.

Concentrator Requirement

For a student to be a concentrator, at least 2 of 3 required secondary level credits taken must be a combination of technical and application levels.

BioChemistry Pathway – CIP Code 14.1401

INTRODUCTORY LEVEL

Environmental Science	✓	03003	1 credit	Chemistry	03101	1 credit
Computing Systems (8-9)		10002/60002	1 credit	Φ●Engineering Applications	21002/71002	1 credit
Computer Applications (8-9)		10004/60004	1 credit	Φ●Engineering Technology	21003/71003	1 credit

TECHNICAL LEVEL

Wildlife Management		18501	1 credit	Biotechnology in Agriculture	18308	1 credit
Marine Science	✓	03005	1 credit	AP Environmental Science	✓ 03207	1 credit
IB Environmental Systems	✓	03208	1 credit	Applied BioChemistry	03203	1 credit
●Human Body Systems	or ✓	14102	1 credit	Pharmacology	✓ 14253	1 credit
		03053	1 credit	Plant Science / Plant & Soil Science	✓ 18055/18058	1 credit
Anatomy & Physiology	✓					
Environmental Law		04170	1 credit			

APPLICATION LEVEL

Emerging Technologies in STEM	21053	1 credit	Project Management and Resource Scheduling	21205	1 credit
●BioEngineering	or 21020	1 credit			
●Biotechnical Engineering	✓ 21014	1 credit	Research in Environmental Science and Engineering	21016	1 credit
Natural Resources Management	18504	1 credit	Environmental Resources and Wildlife Science	37506	1 credit
Workplace Experience	21048	1 credit			
Particular Topics in Engineering	21015	1 credit			

● Course appropriate for Project Lead the Way Programs; competencies may be utilized by any/all schools.
 Φ Course appropriate for Engineering by Design Programs; competencies may be utilized by any/all schools
 ✓ Course is eligible for Regents Qualified Admissions – Natural Science

ALL ONE CREDIT COURSES MAY BE TAUGHT AS TWO .5 CREDIT COURSES.

ON LINE CLASSES

Students may take online classes on Acellus or through colleges. There are many classes available on Acellus but you may not take one of these classes if the class is offered at Nickerson High School. Acellus classes are available 24 hours a day, 7 days a week.

LANGUAGE ARTS/JOURNALISM

4 credits of English required for graduation

Course Title	Credit	Grade Level	Prerequisite/Requirements
Banned Books	.5	9	Required
Expectation vs Reality	.5	10	Required
Expectation vs Reality II	.5	11	Required
Fear Factor	.5	9	Required
From Pages to Screen	.5	9	Required
Humanity's Inhumanity	.5	10-12	Required
Humanity's Inhumanity II	.5	11-12	Required
Muggles in Magic	.5	9	Required
Resilience	.5	10-12	Required
The Great Outdoors	.5	10-12	Required
This is My Story	.5	10-12	Required
War	.5	10-12	Required
Multicultural Authors	.5	10	Required
Technical English	.5	12	Required
British Lit	.5	12	Required
College Speech	Dual	12	Senior
English Comp IA	Dual	12	ACT Eng Score 20/ASSET Test
English Comp II	Dual	12	ACT Eng Score 20/ASSET Test
Speech	.5	10-12	None
Creative Writing	.5	10-12	None
Advanced Creative Writing	.5	10-12	Creative Writing

LANGUAGE ARTS

01065BB BANNED BOOKS – ½ unit of credit

Let's read books that you're "not supposed to!" This class will center around books that at one point in time/are currently banned. These books are censored for the real and raw topics in our society. But let's have you be the judges and juries. Should these books stay or should they go?

01065EVR EXPECTATION vs REALITY I and II – ½ unit of credit

Have you made a really good plan only to have it fail or backfire? If you

enjoyed cheering for Katniss in *The Hunger Games* or watching Thomas in *The Maze Runner*, this class is for you. In this class, students will read and write about ideas that didn't work out quite as expected.

01065R RESILIENCE – 1/2 unit of credit

Does it give you warm fuzzies to hear about people who didn't give up even when their situation seemed hopeless? Does it give you hope when people rise above? In this class, we will hear about people who made the best of impossible situations and didn't let their circumstances get the best of them.

01065TGO THE GREAT OUTDOORS – ½ unit of credit

Do you enjoy spending time in nature? Do you enjoy learning about survival or hearing about adventures? This class will center around being outdoors and reading and writing about people who held their own against Mother Earth. This not for those afraid of bugs.

01065TIMS THIS IS MY STORY – ½ unit of credit

Do you enjoy documentaries or people-watching? This class will feature the lives and works of a wide range of individuals both ordinary and extraordinary. This class will have a slight emphasis on nonfiction.

01065FF FEAR FACTOR – ½ unit of credit

Do you like mystery? Adrenaline? Possibly fear? Then this is the class for you! This class will center around literature with mystery and a hint of fear. Do you think you're up for the scare?

01065PS FROM PAGES TO SCREENS – ½ unit of credit

How many times have you heard "the book is better" after watching a movie? Well now it's your time to decide! This class will center around books that were turned into movies. Is the book actually better?

- 01065HI HUMANITY’S INHUMANITY I and II – ½ unit of credit**
Are you interested in the tragedies and traumas of our pastime? Slavery? The Holocaust? This class is centered around literature that shows the inhumanity of those tragedies. Let’s discover humanity’s inhumanity.
- 01065MM MUGGLES in MAGIC – ½ unit of credit**
Has the idea of magic or fantasy always interested you? The idea that anything is possible: magic, alternate realities, mythical creatures? Then this is the class for you! This class will center around the “impossible” and make it possible.
- 01065TE TECHNICAL ENGLISH – 1/2 unit of credit**
Will you be needing a Personal statement for scholarships and college applications or needing a Resume for a prospective job? This class will focus on real world writing along with a review of the fundamentals of the English Language.
- 01065BE BRITISH LIT – ½ unit of credit**
Comedy, history, tragedy, revenge, and love are common themes in all of Shakespeare’s work. This class will focus on several of his plays, poems, and a few of his friends’ works as well
- 01065W WAR – ½ unit of credit**
Have you ever wondered what daily life was like for those who were prisoners, soldiers, and everyday people during times of war? This class will focus on stories about WWI, WWII, and the Cold War.
- 01065M MULTICULTURAL AUTHORS – ½ unit of credit**

This class will focus on literature of various cultures in the U.S., including Hispanic, African-American, Native American, and Asian American authors.

01104 CREATIVE WRITING – ½ unit of credit

PREREQUISITE: NONE

Offered in previous years, this class covers the basics of creative writing. Students will write fiction, poetry, and screenplays. Spoiler alert: poetry does not have to rhyme.

01104 ADVANCED CREATIVE WRITING – ½ unit of credit

PREREQUISITE: Creative Writing

Offered in previous years, this class takes the basics of Creative Writing and goes one step further. Structured as an independent study, students research topics of their choice and write at their own pace. Students must have passed creative Writing as a prerequisite and be self motivated.

01151 SPEECH – ½ unit of credit

PREREQUISITE: NONE

This course covers the basics of public speaking and being able to articulate our thoughts and ideas to others. Students will listen to and analyze the words of many speakers. This class is required to graduate and can be taken as a sophomore junior, or senior

COLLEGE CLASS INFO

College classes taught by Nickerson High School faculty will follow the high school schedule. These classes will begin the first day of the high school semester and will end when the semester finals are given on the high school schedule. College classes taught by HutchCC professors, at Nickerson High School, will follow the college schedule. **Students are responsible for paying HutchCC tuition and book fees.** 2023-24 fees will be \$97.00 per credit hour for high school students outside of Reno county and \$87.00 for Reno County residents. All classes we offer are 3 credit hours (\$261.00). Select HutchCC classes do not have textbook costs due to HutchCC providing the textbooks through their Free Textbook Program. Those classes include: College Algebra, English Composition IA, English Composition II, Public Speaking, and General Psychology. HutchCC normally sends an admissions representative to NHS during the 1st week of classes to enroll in the class(s) and pay fees. Because some college classes start after NHS classes, students choosing to drop a college class must do so by Labor Day if they wish to be enrolled in an NHS class. Students dropping after Labor Day are responsible for finding alternative methods, such as the Learning Center or on-line classes to make up a required class such as senior English or speech.

DUAL CREDIT

Hutchinson Community College normally offers Public Speaking, English Composition IA, English Composition II, College Algebra, and General Psychology at Nickerson High School. Sophomores, juniors, and seniors are also allowed to take college classes online or in person at other institutions. Students are responsible for all fees (tuition, books, etc) associated with these classes. Students do not have to be fulfilling a pathway to enroll in these classes; they are open to all sophomores and above. **All dual credit classes taken to fulfill a required credit at NHS will be put on the students' transcript and will count toward that students GPA.**

Students on an IEP, who enroll in college classes, may be eligible for

academic assistance. Students wanting information regarding these services can contact “Student Services” or the “Dean of Students” at the college of their choice. Students wanting a copy of their current IEP sent to the college should make this request through the counseling office at Nickerson High School.

01151HCC HCC PUBLIC SPEAKING – 3 hours college credit / ½ unit high school credit

PREREQUISITE: Junior or senior

SH 101 Public Speaking – Principles and practices in the art of communication that will help the student develop skills in communication and acquire an understanding of oral communication as a vital human relation factor.

01103HCC1A HCC ENGLISH COMP IA (EN101) – 3 hours college credit – ½ unit high school credit

PREREQUISITE: Junior or Senior and 20 on the ACT English subtest **OR** 255 or better on Accuplacer NextGen Writing test, **OR** a high school cumulative GPA of 3.0 or greater.

EN101 English Composition 1A: Emphasis is placed on practice in writing exploratory paragraphs and themes and using the techniques of research. Selected reading for models and criticism are used.

01103HCC2 HCC ENGLISH COMP II (EN102) – 3 hours college credit – ½ unit high school credit

PREREQUISITE: Junior or Senior and successful completion of English IA with a grade of C or better

HutchCC English Composition II is a semester-long composition course emphasizing the basics of good academic writing including grammar and mechanics, MLA-style research, argumentation and persuasion, and literary analysis. Required essays include an in-class personal opinion essay, and argumentation research essay using the Aristotelian paradigm,

a personal reminiscence essay, a short story or poetry analysis essay, and a novel analysis of elements in *The Great Gatsby* by F. Scott Fitzgerald. Cumulative mid-term and final examinations are also part of the graded elements of the course.

<u>MATH</u>			
3 credits of math required for graduation			
Course Title	Credit	Grade Level	Prerequisite
Pre-Algebra A and B	1	9	None (Selected by Math Department)
Algebra 1A and 1B	1	9	Required
Geometry A and B	1	9 & 10	Algebra 1A and 1B or placement test
Algebra 2A and 2B	1	10 & 11	Geometry A and B
Algebra 3	.5	11 & 12	Algebra 2A and 2B
Trigonometry	.5	11 & 12	Algebra 2A and 2B
AP Statistics A/B	1	11 & 12	Algebra 2A and 2B
Calculus I	Dual	12	Algebra 3 and Trigonometry
AP Calculus A/B	1	11 & 12	Algebra 3 and Trigonometry
HCC College Algebra	Dual	11 & 12	ACT Math Score 21 or ACCUPLACER TEST
HCC College Trig	Dual	11 & 12	ACT Math Score 21 or ACCUPLACER TEST

MATHEMATICS

If the student passes Algebra 1, Geometry and Algebra 2, then they are eligible to take college level classes for dual credit.

02053 PRE-ALGEBRA A and B

REQUIRED (Designed for those students who struggled with algebraic concepts in the 8th grade. Limited to students identified by math teachers.)

This course is a study in the areas of: the relationships between quantities, reasoning with equations, linear and exponential relationships, expressions, equations, systems of equations and inequalities, and functions. Supplemental topics will be added to support the understanding of algebraic concepts.

02052 ALGEBRA 1A and 1B – 1 unit of credit

REQUIRED

This course is a study in the areas of: variables, function patterns, rational numbers, solving equations and inequalities, relating graphs and functions, solving systems of equations and inequalities, exponents and exponential functions, polynomials and factoring, quadratic equations and functions, radical

expressions and equations, rational expressions and functions.

02072 GEOMETRY A and B – 1 unit of credit

REQUIRED

PREREQUISITE: ALGEBRA 1A AND 1B or placement test

This course is a study in the areas of: reasoning and proof, parallel and perpendicular lines, congruent triangles, relationship within triangles, quadrilaterals, similarity, right triangles and trigonometry, transformations, area, surface area, volume and circles.

02056 ALGEBRA 2A AND 2B – 1 unit of credit

REQUIRED

PREREQUISITE: GEOMETRY A AND B

This course is a study in the areas of: functions, equations, and graphs, linear systems, matrices, quadratic equations and functions, polynomials and polynomial functions, rational exponents and radical functions, exponential and logarithmic functions, rational function, quadratic relations and conic sections, sequences and series, probability and statistics, periodic functions and trigonometry, trigonometric identities and equations.

02057 ALGEBRA 3 – ½ unit of credit

REQUIRED if Geometry is your first high school class

PREREQUISITE: Algebra 2A and 2B.

Algebra III courses review and extend algebraic concepts for students who have already taken Algebra II. Course topics include (but are not limited to) operations with rational and irrational expressions, factoring of rational expressions, linear equations and inequalities, quadratic equations, solving systems of linear and quadratic equations, properties of higher degree equations, and operations with rational and irrational exponents. The courses may introduce topics in discrete math, elementary probability and statistics; matrices and determinants; and sequences and series.

02103 TRIGONOMETRY – ½ unit of credit

Prerequisite: Algebra 2A and 2B

Trigonometry courses prepare students for eventual work in calculus and typically include the following topics: trigonometric and circular functions; their inverses and graphs; relations among the parts of a triangle; trigonometric identities and equations; solutions of right and oblique triangles; and complex numbers.

02203 AP STATISTICS A and B – ½ unit of credit each

Prerequisite: Algebra 2A and 2B

Following the College Board's suggested curriculum designed to parallel college-level statistics courses, AP Statistics courses introduce students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes: exploring data, sampling and experimentation, anticipating patterns, and statistical inference.

02121 CALCULUS A and B with an AP (Advanced Placement) option – 1 unit of high school credit

Prerequisite: Algebra 3 and Trigonometry

Two-dimensional analytical geometry, limits, continuity, differentiation and integration with applications, trigonometric functions.

02124 AP CALCULUS A AND B

Prerequisite: Algebra 3 and Trigonometry

Following the College Board's suggested curriculum designed to parallel college-level calculus courses, AP Calculus AB provides students with an understanding of the concepts of calculus and experience with its methods and applications. These courses introduce calculus and include the following topics: functions, graphs, limits, and continuity; differential calculus (including definition, application, and computation of the derivative; derivative at a point; derivative as a function; and second derivatives); and integral calculus (including definite integrals and anti-differentiation).

COLLEGE CLASS INFO

College classes taught by Nickerson High School faculty will follow the high school schedule. These classes will begin the first day of the high school semester and will end when the semester finals are given on the high school schedule. College classes taught by HutchCC professors, at Nickerson High School, will follow the college schedule. **Students are responsible for paying HutchCC tuition and book fees.** 2023-24 fees will be \$97.00 per credit hour for high school students outside of Reno county and \$87.00 for Reno County residents. All classes we offer are 3 credit hours (\$261.00). Select HutchCC classes do not have textbook costs due to HutchCC providing the textbooks through their Free Textbook Program. Those classes include: College Algebra, English Composition IA, English Composition II, Public Speaking, and General Psychology. HutchCC normally sends an admissions representative to NHS during the 1st week of classes to enroll in the class(s) and pay fees. Because some college classes start after NHS classes, students choosing to drop a college class must do so by Labor Day if they wish to be enrolled in an NHS class. Students dropping after Labor Day are responsible for finding alternative methods, such as the Learning Center or on-line classes to make up a required class such as senior English or speech.

DUAL CREDIT

Hutchinson Community College normally offers Public Speaking, English Composition IA, English Composition II, College Algebra, and General Psychology at Nickerson High School. Sophomores, juniors, and seniors are also allowed to take college classes online or in person at other institutions. Students are responsible for all fees (tuition, books, etc) associated with these classes. Students do not have to be fulfilling a pathway to enroll in these classes; they are open to all sophomores and above. **All dual credit classes taken to fulfill a required credit at NHS will be put on the students' transcript and will count toward that students GPA.**

Students on an IEP, who enroll in college classes, may be eligible for academic assistance. Students wanting information regarding these services can contact "Student Services" or the "Dean of Students" at the college of their choice.

Students wanting a copy of their current IEP sent to the college should make this request through the counseling office at Nickerson High School.

**02069 COLLEGE ALGEBRA (MA106) – HCC – 3 hours college credit / ½ unit
high school credit**

PREREQUISITE: ACCUPLACER NextGen Math test score of 263 or above

OR ACT Math Score of 21 **OR** a High School Cumulative GPA of 3.5 or better,

OR a grade of “C” or better in Intermediate Algebra (MA 105) or equivalent, or
a Compass score of 76 or greater.

Topics covered include theory of equations, inequalities, functions, complex numbers, systems of equations, and inequalities, graphing, matrices, and conic sections. A graphing calculator is required.

SCIENCE			
3 credits of science required for graduation			
Course Title	Credit	Grade Level	Prerequisite
Physical Science	.5	9	None
Biology 1A and 1B	1	10	None
Anatomy & Physiology A and B	1	11 or 12	Biology 1A and 1B
Intro to Chemistry	.5	9 - 11	None
Chemistry A and B	1	11 or 12	Biology 1A and 1 B
Advanced Chemistry A and B	1	11 of 12	Chemistry A and B
AP Chemistry A and B	1	11 or 12	Chemistry A and B and Instructor approval
Physics A and B	1	11 or 12	Must have passed both Physical Science and Biology with a C or better and have passed both Algebra and Geometry
Astronomy	.5	10 – 12	None
Geology	.5	9-11	None
Meteorology	.5	9-11	None
Robotics	.5	10 – 12	None
Water Robotics	.5	9 – 12	None
Engineering Design and Development	1	9-12	None

SCIENCE

03002 GEOLOGY – ½ unit of credit

Course is an introductory study of earth and earth processes. Topics include; rocks and minerals, mountain building, and plate tectonics – including earthquakes and volcanoes.

03004 ASTRONOMY – ½ unit of credit

Introductory course of space. Topics include planets, stars, and galaxies.

03006 METEROLOGY – ½ unit of credit

Course is an introduction to weather, climate and atmosphere. Topics covered

include formations of storms, what determines climates, and other phenomena.

03051 BIOLOGY 1A and 1B – 1 unit of credit

PREREQUISITE: Sophomores and Freshmen who have scored well enough on the 8th grade placement test. Required for graduation.

Introductory Level class in Health Science pathway

This is a year-long course. A fundamental background will be profiled in the areas of ecology, cellular biology and genetics. Lecture and laboratory techniques will be used appropriately throughout the year.

03053 ANATOMY AND PHYSIOLOGY A and B – 1 unit of credit

PREREQUISITE: PREREQUISITE: BIOLOGY 1A and 1B

Technical Level class in Health Science Pathway

Students may be concurrently enrolled in this class and Earth and Space Science. **Sophomores must have passed Biology 1A and B with a B or higher**
This course covers all the information necessary for a general understanding of the structure and function of the human body. Information will be gained through lecture, research, special projects and labs, including dissections.

03101 CHEMISTRY A and B – 1 unit of credit

PREREQUISITE: EARTH AND SPACE SCIENCE, Sophomore and up

Introductory Level class in Health Science Pathway and Biochemistry Pathway

Students may be concurrently enrolled in this class and Earth and Space Science. This course is organized around the central themes of: structure and properties of matter; chemical reactions; nuclear process; conservation of mass and energy transfer.

(Note: Chemistry and Physics may be offered in alternating years or at the same time as needed.)

03102 CHEMISTRY II A and B – 1 unit of credit

PREREQUISITE - You must have taken Chemistry, receiving at least an 80% in

the class, and have instructor approval to take Advanced Chemistry.

This class will be a more in-depth view of chemistry concepts required to take an introductory level chemistry class. Where general chemistry is geared for students of all interest levels, this class is designed to take students who enjoy learning chemical concepts through a more hands on approach. This class will be designed around labs to explore concepts that are central to learning chemistry. Homework will be required and between 3-4 hours per week of work outside of class will be expected. The 6 big ideas that AP chemistry is designed around will be the framework of this class, without the time crunch of being prepared for the AP exam in early May.

03106 AP CHEMISTRY A and B – 1 unit of credit

PREREQUISITE: PHYSICAL SCIENCE AND BIOLOGY 1 A AND B

Following the curricula recommended by the College Board, AP Chemistry courses usually follow high school chemistry and second-year algebra. Concepts covered may include the structure of matter; bonding of intermolecular forces; chemical reactions; kinetics; thermodynamics; and chemical equilibrium. For each concept, these courses emphasize the development of scientific inquiry and reasoning skills, such as designing a plan for collecting data, analyzing data, applying mathematical routines, and connecting concepts in and across domains. AP Chemistry courses include college-level laboratory investigations.

03151 PHYSICS A and B – 1 unit of credit

PREREQUISITE: Algebra 2 or enrolled in Algebra 2

Physics is the study of energy, work and forces that we observe in our daily lives. Lab work starts early and is done often. The use of computer technology is incorporated into the class. Students will be made aware of the physical laws that are fundamental to all the sciences. Velocity, acceleration, momentum, inertia, energy and its conservation will be covered.

03159 PHYSICAL SCIENCE A – ½ unit of credit

PREREQUISITE: None

Physical Science A – Course ins an introductory study of physics, based on motion and forces. Concepts covered include: velocity, acceleration, Newton’s 3 laws focusing on forces and how they affect motion and types of energy.

21009 ENGINEERING DESIGN/DEVOLOPMENT – ½ unit of credit

PREREQUISITE: None

Robotics courses develop and expand students’ skills and knowledge so that they can design and develop robotic devices. Topics covered in the course may include mechanics, electrical and motor controls, pneumatics, computer basics, and programmable logic controllers.

<u>SOCIAL STUDIES</u>			
3 credits of social science required for graduation			
Course Title	Credit	Grade Level	Prerequisite
World Geography	0.5	9	None
World History	0.5	10	None
U.S. History A and B	1	11	None
American Government	0.5	12	None
Psychology	0.5	11 or 12	None
Business Economics	.5	9, 10, 11, 12	None
Government Fundamentals	.5	11 or 12	None
Governance Applications	1	9	None

SOCIAL SCIENCE

04254 PSYCHOLOGY - ½ unit of credit

PREREQUISITE: JUNIOR or SENIOR

Psychology is the study of human behavior, the effect of heredity and environment on such behavior and the role of human behavior in emotions, learning, reasoning and intelligence.

04001 WORLD GEOGRAPHY – ½ unit of credit

PREREQUISITE: FRESHMAN

REQUIRED

This course is a survey course of world geography. We will emphasize the six key elements of Geography: The World in Spatial Terms; Places and Regions; Physical Systems; Human Systems; Environment and Society and Uses of Geography. The class will emphasize cultural studies, but will also include map skills.

04053 WORLD HISTORY – ½ unit of credit

PREREQUISITE: SOPHOMORE

REQUIRED

The World History course covers the time period from around 1300 C.E.

through the fall of the Soviet Union in the early 1990s. The course will cover intellectual trends, revolutionary movements, social interactions, political ideologies, economic theories, and geographical impacts. Students will focus on critical events, people, and turning points during these centuries including the Renaissance, imperialism, and twentieth-century issues.

04103 U.S. HISTORY A and B – 1 unit of credit

PREREQUISITE: JUNIOR

REQUIRED

This is a survey course covering the years 1900 to the present. The course is organized to give students a chronological history of society in the United States. Topics included are Western expansion, Populism, Progressivism, World Wars I and II, the 1920's, the Cold War years, the 1960's, war in Vietnam, and Modern Times (1980-present).

04151 AMERICAN GOVERNMENT – ½ unit of credit

PREREQUISITE: SENIOR

REQUIRED

This course is a study of the American System of Government. It includes a study of the constitution, the three branches of government, political parties, the election process and the responsibilities of citizens in a democratic society.

12105 BUSINESS ECONOMICS – ½ unit of credit

Technical level course in the Marketing Pathway (Accepted by KBOR as Qualified Admissions – Social Science)

Business Economics courses integrate economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk).

43105 GOVERNMENT FUNDAMENTALS – ½ unit of credit

PREREQUISITE: Junior

Technical level course in the Government and Public Administration Pathway

This course will look at meeting the needs of the U.S. culture through positions

within Government and Public Administration. Topics will include the role of government in providing services for the US population, the impact of the US on other nations as well as the impact of other nations on the US, and the professional traits required of those in this field. In addition, it will look at the problem solving and critical thinking processes, and leadership and teamwork practices.

43250 GOVERNANCE APPLICATIONS A AND B – ½ unit of credit each

PREREQUISITE: Junior or Senior

Application level course in Government and Public Administration

Pathway

This course applies the skills needed in government and public administration professions. It includes the application of leadership and teamwork within the classroom or as an intern at a work location. Topics may include working with budgets, negotiation/communication with co-workers, developing proposals, making oral presentations and making informed decisions to meet an identified need.

FOREIGN LANGUAGE

Spanish 1A and 1B	1	9, 10, 11 or 12	B or better in English and at least a B at the end of 1 st semester or administrative approval
Spanish 2A and 2B	1	10, 11, or 12	B or better in 2 nd semester Spanish I and at least a B at the end of 1 st semester or administrative approval
Spanish 3A and 3B	1	11 or 12	B or better in 2 nd semester Spanish II and at least a B at the end of 1 st semester or administrative approval
Spanish 4A and 4B	1	12	B or better in 2 nd semester Spanish III and at least a B at the end of 1 st semester or administrative approval

06101 SPANISH 1A and 1B – 1 unit of credit

PREREQUISITE: “B” OR BETTER IN ENGLISH AND A “B” OR BETTER AT THE END OF 1ST SEMESTER OR ADMINISTRATIVE APPROVAL

This elementary course introduces the Spanish language and culture. Emphasis is on conversation mixed with basic grammatical understanding, phonetics, elementary writing and reading in Spanish. Videotapes, computer software, CD-ROMs and supplementary reading material provide information.

Recommended for those students who have average or above average grades in English. The present tense and an introduction to the preterit tense provide the major study for the first year. Concepts include needs for everyday life.

06102 SPANISH 2A and 2B – 1 unit of credit

PREREQUISITE: “B” OR BETTER IN SPANISH 1B AND A “B” OR BETTER AT THE END OF 1ST SEMESTER OR ADMINISTRATIVE APPROVAL

Continuation of the Spanish 1 course which reviews and builds on the first year of study. Vocabulary is increased and more verb tenses are introduced. The course builds more freedom of expression and continues to drill on conversational skills. More emphasis is given about the cultural aspects of the language and its people. Students are encouraged to explore multi-media learning through computers CD-ROM, video and audiotapes. The preterit tense is studied in depth.

06103 SPANISH 3A and 3B – 1 unit of credit

PREREQUISITE: “B” OR BETTER IN SPANISH 2B AND A “B” OR BETTER AT THE END OF 1ST SEMESTER OR ADMINISTRATIVE

APPROVAL

Advanced study of the language and culture of Spain and Latin America will be stressed. Continued grammar and vocabulary building as well as increased writing and conversational skills will be stressed.

06104 SPANISH 4A and 4B– 1 unit of credit

PREREQUISITE: “B” OR BETTER IN SPANISH 3B AND A “B” OR BETTER AT THE END OF 1st SEMESTER OR ADMINISTRATIVE APPROVAL

Advanced study of the language and culture of Spain and Latin America will be stressed. Continued grammar and vocabulary building as well as increased writing and conversational skills will be stressed.

MARKETING			
Course Title	Credit	Grade Level	Prerequisite
Business Essentials	0.5	9, 10, 11 & 12	None
Business Communications	0.5	10, 11 & 12	None
Business Economics	0.5	9,10, 11 & 12	None
Entrepreneurship	0.5	10, 11 & 12	None
Principles of Marketing A	0.5	9, 10, 11 & 12	None
Principles of Marketing B	0.5	9, 10, 11 & 12	None
Web Page Design A and B	1.0	10, 11 & 12	None
Marketing Applications A	.5	9, 10, 11, 12	None
Marketing Applications B	.5	9, 10,11, 12	None
Sports and Entertainment Marketing	0.5	9, 10, 11 & 12	None
Marketing Communications	0.5	10, 11 & 12	Business Communications or Marketing A
Integrated Marketing Applications	0.5	10, 11 & 12	Marketing A or B
Personal Finance A and B	0.5	9, 10, 11 & 12	None
Media Technology	0.5	9, 10, 11, 12	None

MARKETING

22210PF PERSONAL FINANCE – ½ unit of credit

PREREQUISITE: None

The goal of the program is to provide students with a technical credential they can take with them when entering the workforce or continuing with their education. After extensive research it was decided that the Microsoft Office Specialist (MOS) certification would benefit students as it is one of the most industry recognized and requested skill. Students will be able to take certification tests in Excel, Word and possibly PowerPoint and Access.

12050 BUSINESS ESSENTIALS - ½ unit of credit
Introductory level class in the Marketing Pathway

This is a core course designed to give students an overview of the business, marketing and finance career cluster occupations. Students will develop an understanding of how academic skills in mathematics, economics, and written and oral communications are integral components of success in these occupations. Students will examine current events to determine their impact on business and industry and legal and ethical behavior, acquire knowledge of safe and secure environmental controls to enhance productivity, determine how resources should be managed to achieve company goals, and identify employability and personal skills needed to obtain a career and be successful in the workplace. As students learn about different types of business ownership, they will interpret industry laws and regulations to ensure compliance, identify principles of business management, and analyze business practices to determine ethics and social responsibilities.

12105 BUSINESS ECONOMICS – ½ unit of credit
PREREQUISITE: None
Technical level class in Marketing Pathway and Government and Public Administration Pathway

Business Economics courses integrate economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as marketing principles, business law, and risk).

12009 BUSINESS COMMUNICATIONS – ½ unit of credit
PREREQUISITE: Sophomore
Technical level course in Marketing Pathway

Business Communications courses help students to develop an understanding and

appreciation for effective communication in business situations and environments. Emphasis is placed on all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating nonverbally, and utilizing technology for communication. Business communication functions, processes, and applications in the context of business may be practiced through problem-based projects and real world application. Can earn 3 credits at HCC for completion of this class **and** Marketing Communications.

12053 ENTREPRENEURSHIP - ½ unit of credit

PREREQUISITE: Sophomore, Junior, or Senior

Technical level course in Marketing Pathway

This course will focus on the forms of business organizations, characteristics of a market economy, market identification and research, business plan, function of price, business financials, business management, customer service, global market, government regulations, and business ethics. Students will also analyze and evaluate current entrepreneurial activities through e-commerce. Creation and organization of a hands-on business will give students a real-life experience as an entrepreneur. Internet resources, business software, and other technology, as well as field trips, will be integrated into this class.

12164 PRINCIPLES OF MARKETING A and B - ½ unit of credit each

PREREQUISITE: None

Technical level course in Marketing Pathway

Principles of Marketing courses offer students insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content ranges considerably as general marketing principles such as purchasing, distribution, and sales are covered; however, a major emphasis is often placed on kinds of markets; market identification; product planning, packaging, and pricing; and business management.

10201 WEB PAGE DESIGN A and B – ½ unit of credit each

PREREQUISITE: Sophomore, Junior, or Senior

Technical level course in Marketing Pathway

Web Page Design A

This course will focus on web site research, idea generation, and creation. Students will learn to use HTML editor, Adobe DreamWeaver, and create web pages incorporating hyperlinks, maps, menus, frames, tables, and digital images. Final projects will be published to the web. Students will discuss purposes of multimedia on web sites, roles involved in supporting a site, reasons for maintenance and continuous improvement of a web site, and copyright issues.

Web Page Design B

This course will focus on the introductory concepts of desktop publishing, layout and design, text, typography, graphics, and the printing process. Adobe PageMaker, Adobe Photoshop, and Microsoft Publisher will be used to give students hands-on learning in the creation of desktop publishing documents including flyers, multi-column documents, multi-page documents, brochures, and mailing pieces. Graphics, scanners, and a digital camera will also be used. Adobe Flash will be used to create graphics.

12163 SPORTS AND ENTERTAINMENT MARKETING - ½ unit of credit

PREREQUISITE: None

Technical level course in Marketing Pathway

Sports and Entertainment Marketing courses introduce students to and help them refine marketing and management functions and tasks that can be applied in amateur or professional sports or sporting events, entertainment or entertainment events, and the sales or rental of supplies and equipment.

35300 MARKETING APPLICATIONS A AND B – ½ unit of credit each

PREREQUISITE: Sophomore

Technical level class in Marketing Pathway

Marketing Applications furthers student understanding and skills in the various marketing functions. Students coordinate channel management with other marketing activities, discuss the nature of marketing plans, generate product

ideas, coordinate activities in the promotional mix, and demonstrate specialized sales processes and techniques. Economic and financial concepts are also stressed throughout the course. Current technology will be used to acquire information and to complete the projects. Throughout the course, students are presented problem solving situations for which they must apply academic and critical-thinking skills. Formal reflection is an on-going component of the course along with four projects.

35168 MARKETING COMMUNICATIONS – ½ unit of credit

PREREQUISITE: Sophomore, Business Communications or Marketing A

Application level class in Marketing Pathway

Marketing Communications is an Application-Level course. This course includes activities and discussion related to: advertising, branding, graphic design, packaging, promotion, publicity, sponsorship, public relation, and sales promotion. Can earn 3 credits at HCC for completion of this class **and** Business Communications.

12195 INTEGRATED MARKETING APPLICATIONS – ½ unit of credit

PREREQUISITE: Sophomore, Marketing A or B

Application level class in Marketing Pathway

Integrated Marketing Applications is an Application-Level course. Through this course, students will be actively engaged in utilizing technology and technology applications in the design, production, and implementation of marketing strategies. Students will create print, multi-media, and electronic materials used in the marketing process. Application-level activities will be centered around: advertising, branding, graphic design, packaging, promotion, publicity, sponsorship, public relation, and sales promotion.

11151 MEDIA TECHNOLOGY – ½ unit of credit

PREREQUISITE: None

Students will explore photography, digital imaging, graphic design, and digital citizenship, while applying the principles of design in a project-based learning environment. Topics will include exploring the use of digital media today and in the future, project planning and completion and understanding the software, equipment, and tools used in the media technology industry.

AUDIO VISUAL COMMUNICATIONS			
Course Title	Credit	Grade Level	Prerequisite
Computer Applications A and B	0.5	8	None
21 st Century Journalism	0.5	9	None
Publication Production	0.5	9, 10, 11 or 12	21 st Century Journalism
Digital Media Technology	.5	10	21 st Century Journalism and Publication Production
Digital Media Design A and B	1	11	Digital Media Technology and Publication Production
Audio Video Fundamentals	.5	9, 10, 11, or 12	None
Audio/Video Production	.5	9, 10, 11, or 12	Audio Video Fundamentals

60004 COMPUTER APPLICATIONS A and B - ½ unit of credit each

PREREQUISITE: None

Introductory Level Class in AV Communications Pathway

This class offers the beginning art student an opportunity to design two and three dimensional art projects. Areas of concentration include drawing, painting, pottery, sculpture, and printmaking. The school furnishes most materials. This class is a prerequisite to Painting, Pottery and Sculpture, and Advanced Art.

30100 21st CENTURY JOURNALISM - ½ unit of credit

PREREQUISITE: None

Technical Level Class in AV Communications Pathway

This is the first class in what used to be called Yearbook I. This class will be offered in semester 1. You must also enroll in Publication Production semester 2.

21st Century Journalism promotes the development of the skill set needed today and in the future. Topics include an exploration of the role media and the communications industry has in society, the development of the technical skills related to journalistic writing and interviewing, as well as understand the ethical and legal issues related to the field.

11104 PUBLICATION PRODUCTION – ½ unit of credit

PREREQUISITE: 21st Century Journalism

This is the second semester of what used to be called Yearbook. If you are enrolling in either 21st Century Journalism or Digital Media Technology, you must also enroll in Publication Production.

Publication Production courses provide students with the knowledge and skills necessary to produce the school newspaper, yearbook, literary magazine, or other printed publication. Students may gain experience in several components (writing, editing, layout, production, and so on) or may focus on a single aspect while producing the publication.

30104 DIGITAL MEDIA TECHNOLOGY – ½ unit of credit

PREREQUISITE: 21st Century Journalism

Technical Level Class in AV Communications Pathway

This is year two of what used to be called Yearbook. You must have passed both 21st Century Journalism and Publication Production to be enrolled in this class.

Digital Media Technology teaches the technical skills needed to work with electronic media. Topics include exploring the use of digital imaging and video today and in the future, a study of the relationship of workflow to project planning and completion and the software, equipment and tools used in the industry.

30151 DIGITAL MEDIA DESIGN A and B – ½ unit of credit each

PREREQUISITE: Digital Media Technology

Application Level Class in AV Communications Pathway

This is year three of what used to be called Yearbook. You must have passed both Digital Media Technology and Publication Production to be enrolled in this class.

Digital Media Design and Production will provide students with the opportunity to apply the fundamental techniques learned in the Digital Media Technology course through the production of a multi-media project for public presentation.

Topics include developing a production schedule, working as a team, utilizing composition principles, and embedding audio, video or other content in digital formats.

30103 AUDIO VIDEO FUNDAMENTALS – ½ unit of credit

PREREQUISITE: None

Technical Level Class in AV Communications Pathway

Audio Video Production Fundamentals provides a basic understanding of producing video for a variety of uses. Topics include analyzing the pre-production, production and post-production process, as well as explore the equipment and techniques used to develop a quality audio video product.

11051 AUDIO/VISUAL PRODUCTION – ½ unit of credit

PREREQUISITE: Audio Video Fundamentals

Audio/Visual Production courses provide students with the knowledge and skills necessary for television, video, film, and/or radio production. Writing scripts, camera operation, use of graphics and other visuals, lighting, audio techniques, editing, production principles, and career opportunities are typical topics covered within production courses. Students are usually required to produce their own program or segment. Additional topics such as broadcast industry regulations, radio/TV operation, power of the medium, photography, transmission technology, and so on may be included.

FINE ARTS			
1 credit of Fine Arts is required for graduation			
Course Title	Credit	Grade Level	Prerequisite
Forensics	0.5	9, 10, 11 or 12	None
Debate	0.5	9, 10, 11 or 12	None
Beginning Drama	0.5	9, 10, 11 or 12	None
Art Exploration	0.5	9, 10, 11 or 12	None
Intro to Drawing	0.5	9, 10, 11 or 12	Art Exploration
Drawing	0.5	10, 11, 12	Intro to Drawing
Graphic Design Fundamentals	0.5	9, 10, 11. or 12	Art Exploration or Photo Imaging
Painting	0.5	9, 10, 11 or 12	Art Exploration
Ceramics	0.5	9, 10, 11 or 12	Art Exploration
Photo Imaging	0.5	10, 11, or 12	Art Exploration
Advanced Art	0.5	9, 10, 11 or 12	Art Exploration and either Painting, Drawing or Ceramics and administrative approval
Marching/Concert/Pep Band A and B	1	9, 10, 11 or 12	Band the previous year or instructor approval
Jazz Ensemble A and B	1	9, 10, 11 or 12	Audition & Marching/Concert/Pep Band
Concert Choir A and B	1	9, 10, 11 or 12	None
Madrigals A and B	1	9, 10, 11 or 12	Audition and concurrent enrollment in another music class or instructor approval
Women's Choir A and B	1	9, 10, 11 or 12	None
Music Theory	.5	9,10,11,12	Concurrent or previous enrollment in a music class (instrumental or vocal ensemble)
Music Theory II	.5	9, 10, 11, or 12	Music Theory I

FINE ARTS

05154 ART EXPLORATION – ½ unit of credit

PREREQUISITE: To all other art classes

This class focuses on learning the Elements of Art used in creating all works of art This learning will take place through using and becoming ore skilled at various media of the art room. Media will include many of the following;

graphite, charcoal, pen and ink, pastels, paint, clay and paper.

30005 INTRO TO DRAWING – ½ unit of credit

PREREQUISITE: Art Exploration

Introductory level class in Visual Arts Pathway

This class is intended for students wishing to develop their drawing skills. Students will learn how to shade objects realistically, how to create highlights and cast shadows, and various other skills. Subjects will be from various genres; Fantasy/Imaginary, Real Life and from Photographs. Media will include graphite, charcoal, pen and ink, colored pencil, pastel, or scratchboard.

30102 GRAPHIC DESIGN FUNDAMENTALS – ½ unit of credit

PREREQUISITE: Art Exploration

Technical Level class in Visual Arts Pathway

This class is the foundation class for all other Graphic Design classes. Students will learn some of the first graphic design processes including block printing, typography, comic strips, posters and advertisements. Each project is designed to work through a scenario much like an employer would give a graphic design employee. Students will create logos, packaging and small animated clips for advertising.

05157 PAINTING – ½ unit of credit

PREREQUISITE: Art Exploration

This class is intended for students who want to learn more about painting media. Media will include watercolor, acrylic, and possibly oil. Various techniques will be explored to develop necessary skills. Subjects will include landscape, still life, portraits, and non-objective.

05159 CERAMICS/ SCULPTURE – ½ unit of credit

PREREQUISITE: Art Exploration

This class is for students of varying experience to working with clay. Beginning students will learn the basic forming techniques of clay and will create a

sculpture made of clay. Toward the end of the semester, they will be introduced to the potter's wheel. Students who have been in Ceramics beyond one semester will work on developing their skill sets in both hand building and wheel thrown pottery.

05167 PHOTO IMAGING – ½ unit of credit

PREREQUISITE: Art Exploration

Photography courses expose students to the materials, processes, and artistic techniques of taking artistic photographs. Students learn about the operation of a camera, composition, lighting techniques, depth of field, filters, camera angles, and film development. The course may cover black-and-white photography, color photography, or both. As students advance, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic style. These courses may also cover major photographers, art movements, and styles.

05170 ADVANCED ART – ½ or 1 unit of credit

PREREQUISITE: Permission of instructor and at least one semester in the area of study

This class is for those wishing to learn more about a particular medium or technique using that medium. The instructor and student will develop and individual course whereby the student will work toward further development of skills using a medium. Examples: becoming better at painting details using watercolors; developing textured acrylic painting; exploring various oxides combined with slip for slip trailing in ceramics; working on carving skills in ceramics; developing sculptures from non-clay materials; developing shading skills of the Masters in graphite; etc.

05101 MARCHING/CONCERT/PEP BAND A and B – 1 unit of credit

PREREQUISITE: PARTICIPATION IN BAND THROUGHOUT THE PREVIOUS YEAR, or ADMINISTRATIVE APPROVAL

MARCHING BAND This group is responsible for performing at all home football games, various parades and marching festivals throughout the first semester. **A summer band camp, prior to the beginning of school, is required.** Students

must purchase a lyre and flip folder. Students must be prepared to purchase specific shirts and shoes to wear for all performances. If a student needs black marching shoes, they cost \$32.50.

CONCERT BAND This group performs a variety of concert literature at school, league, regional, and state performances. The rehearsals focus on technique, musical expressiveness, sight-reading, theory, and listening skills. This group begins immediately after marching season.

PEP BAND The Pep Band is responsible for performing at home football and basketball games and occasional tournaments and playoffs throughout the football and basketball season. Students must purchase specific pep band shirts to wear for all performances.

For all three distinct groups, all performances are mandatory.

05106 JAZZ ENSEMBLE A and B – 1 unit of credit
PREREQUISITE: MEMBERSHIP IN MARCHING/CONCERT/PEP BAND or ADMINISTRATIVE APPROVAL
Audition is required for membership and the enrollment is limited in instrumental ensemble. The group performs at various concerts, festivals, and school tours throughout the year. The emphasis is on performing in different jazz styles, including swing, Latin, rock, and ballads. Jazz theory and improvisation skills are also developed. Students should be prepared to purchase commonly used jazz accessories, such as mutes, plungers, drumsticks and brushes as needed. All performances are mandatory.

05110 CONCERT CHOIR A and B – 1 unit of credit
PRE-REQUISITE: None
This class provides experience in a variety of choral music ranging from the 16th century to contemporary. This course offers an opportunity for class members to attain a higher level of proficiency in vocal techniques, sight

singing, theory and performances. The choir performs at several concerts during the year plus festivals in the spring. Females may participate concurrently in Girls Ensemble, and males or females may also participate concurrently in Madrigals (audition required). All performances are mandatory. Due to KSHSAA requirements, students must maintain academic eligibility for festivals during second semester.

05111 MADRIGALS A and B – 1 unit of credit

PREREQUISITE: AUDITION AND CONCURRENT ENROLLMENT IN ANOTHER MUSIC CLASS OR INSTRUCTOR APPROVAL. *NEW students must purchase formal concert attire. Approximate costs are \$70 for girls (plus purchasing black dress shoes) and \$120 for guys (plus purchasing black dress shoes). All new students will be required to pay a \$50.00 deposit at enrollment, to be paid no later than September 1 of the fall semester.*

Madrigals is a select performing ensemble, whose members are admitted by audition only. Based on auditions, students will only be admitted as needed to support the balance and blend of the ensemble. Performance repertoire includes a wide variety of musical styles, from early music and acapella selections to contemporary and pop styles, including some occasional choreography. Madrigals serves a very public outreach function for USD 309, representing the district and NHS at many community functions, including the Kansas State Fair. Performances also include all music department concerts, festivals, and Commencement. All performances are mandatory. Due to KSHSAA requirements, students must maintain academic eligibility for festivals during second semester.

05110 WOMENS CHOIR A and B – 1 unit of credit

Prerequisite: None

Women's Choir is a female-only choral ensemble that focuses on performing two-part and three-part music for girls' voices. Students may concurrently participate in Concert Choir and/or Madrigals (audition required). Performances include all music department concerts and festivals as scheduled (KSHSAA academic eligibility required for festival performances). All performances are mandatory.

05147 ADVANCED MUSIC STUDIES – ½ unit of credit

Prerequisite: Open to any student enrolled in a music course, usually upperclassmen

Advanced Music Studies is a class focused on further developing musical skills by practicing, studying, analyzing and learning music. Students would have the opportunity to develop their own course of study to work on sharpening their instrumental skills, signing skills, learning music theory, creating music, studying composers and music history, or preparing for a career in music. Each student will prepare a project-based assignment to end each unit.

01154 FORENSICS – ½ unit of credit

MAY SUBSTITUTE FOR SPEECH

This course provides students with the opportunity to become more familiar with the events that comprise competitive forensics: interpretation of prose, interpretation of poetry, humorous solo acting, serious solo acting, duet acting, informative speaking, original oration (persuasive speaking), and extemporaneous speaking. The class will focus on the preparation and practice of these 8 acting and speaking events. The course accommodates both novice and experienced forensicators. **Interscholastic competition is required, including evening or Saturday tournaments.**

01153 DEBATE – ½ unit of credit

MAY SUBSTITUTE FOR SPEECH

Debate is the study of one of the oldest, most valuable forms of speech for the purpose of participation in interscholastic competition. The course accommodates both novice and experienced debaters. Research techniques, debate theory and practice debates are the core of the course. **Interscholastic competition is required, including Saturday tournaments.**

05053 BEGINNING DRAMA – ½ unit of credit

Students will learn and put into practice basic skills needed to produce a play, including creativity, stage movement, oral interpretation, characterization, role playing, improvisation, and dramatic criticism. Students can learn communication skills, leisure skills, and possible employment skills, while producing a play and fulfilling part of a fine arts requirement.

Students will learn and put into practice basic skills needed to produce a play, including creativity, stage movement, oral interpretation, characterization, role playing, improvisation, and dramatic criticism. Students can learn communication skills, leisure skills, and possible employment skills, while producing a play and fulfilling part of a fine arts requirement.

PHYSICAL EDUCATION			
½ credit of physical education and ½ credit of Health are required for graduation			
Course Title	Credit	Grade Level	Prerequisite
Health	0.5	10	Required
Fitness and Conditioning	0.5	9, 10, 11, 12	None
Weight Training	0.5	9, 10, 11 or 12	None
Lifetime Sports	0.5	9, 10, 11 or 12	None

PHYSICAL EDUCATION

08051 HEALTH – ½ unit of credit

REQUIRED: SOPHOMORE

The purpose of this course is to provide the student an opportunity to acquire the knowledge and skills necessary to make intelligent decisions concerning health, wellness, physical fitness and recreational pursuits. Health class will cover areas of mental health, human sexuality, social health, substance abuse, communicable and non-communicable diseases.

08003 LIFETIME SPORTS – ½ unit of credit

PREREQUISITE: None

An elective co-ed class that will include a combination of skill work and playing time in a variety of individual and team sports and activities. Activities will include the following: Indoor soccer, pickle ball, badminton, tennis, flag football, basketball, volleyball, capture the flag, team handball, kick ball. Students are required to have appropriate athletic clothing/shoes for the class. Weightlifting and Physical training will be included in this class.

08005 FITNESS AND CONDITIONING – 1/2 unit of credit

PREREQUISITE: NONE

Fitness/Conditioning Activities courses emphasize conditioning activities that help develop muscular strength, flexibility, and cardiovascular fitness. This class is primarily for in-season athletes.

08009 WEIGHT TRAINING - 1/2 unit of credit

PREREQUISITE: None

Students will be exposed to proper lifting and spotting techniques. As well as warm-up and stretching activities to promote improved flexibility. May also participate in agility drills, plyometrics, and cardiovascular fitness. Students are required to have appropriate athletic shoes/clothing.

PRACTICAL ARTS			
All classes are electives			
Course Title	Credit	Grade Level	Prerequisite
Intro. to Industrial Tech.	0.5	9, 10, 11 & 12	None
Drafting / CAD A	0.5	9, 10, 11 & 12	None
Drafting / CAD B	0.5	9, 10, 11 & 12	Drafting / CAD A
Research and Design for Pre-Construction A	.5	10, 11 & 12	Drafting / CAD B
Research and Design for Pre-Construction B	.5	10, 11, 12	Research and Design for Pre-Construction A
Introduction to Welding	0.5	9, 10, 11 & 12	Intro. to Industrial Tech.
Welding Processes 1A	0.5	10, 11 & 12	Introduction to Welding
Welding Processes 1B	0.5	10, 11 & 12	Production Welding Processes 1A
Welding Processes 2A	0.5	11 & 12	Production Welding Processes 1B
Welding Processes 2B	.5	11 & 12	Production Welding Processes 2A
Practical Arts Woods	0.5	9, 10, 11, 12	None
Carpentry A and B	0.5	9, 10, 11 & 12	Practical Arts Woods
Woodworking Principles A and B	0.5	10, 11 & 12	Carpentry A and B
Furniture and Cabinetry Fabrication A and B	0.5	10, 11 & 12	Woodworking Principles A and B
Building Maintenance	0.5	10	Practical Arts Woods

PRACTICAL ARTS

38001 INTRO TO INDUSTRIAL TECH. – ½ unit of credit

Introductory Level course in Architecture and Construction Pathway and Production Pathway

Construction Career Exploration courses expose students to the opportunities available in construction-related trades, such as carpentry, masonry, air conditioning/refrigeration, plumbing, and so on. Students learn about the processes involved in construction projects and may engage in a variety of small projects. These courses emphasize responsibilities, qualifications, work environment, rewards, and career paths within construction-related fields. **There will be a \$20.00 fee for this class.**

21102 PRACTICAL ARTS - WOODS – ½ unit of credit

Introductory level course in Architecture and Construction Pathway

This course use exercises from a variety of applications to provide students with the knowledge and experience to develop the ability to perform freehand sketching, lettering, geometric construction, and multiview projections and to produce various types of drawings (working, detail, assembly, schematic, perspective, and so on). Computer-aided drafting (CAD) systems are introduced and used. After this period students manufacture projects that have been drawn using general power and hand tools.

13207 INTRODUCTION TO WELDING – ½ Unit of credit

Prerequisite: None

Introductory level course in Production Pathway

Welding courses enable students to gain knowledge of the properties, uses, and applications of various metals, skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas, and tungsten arc processes), and experience in identifying, selecting, and rating appropriate techniques. Welding courses often include instruction in interpreting blueprints or other types of specifications. **(There will be a \$20.00 materials fee for this class.)**

21107A DRAFTING / CAD A (Auto CAD I) - 1/2 unit of credit

Prerequisite: None

Technical level course in Construction & Design Pathway

The class is a broad study of information and techniques necessary to provide the student skill, accomplishment, and thorough understanding of mechanical drawing. Various types of drawing including orthographic, auxiliary, sectional, pattern development, revolutions and simple perspectives of practical problems encountered in industry are covered. Students receive an introduction to the basic Auto CAD commands.

- 21107B DRAFTING / CAD B (Auto CAD II) - 1/2 unit of credit**
PREREQUISITE: Drafting / CAD A
Technical level course in Construction and Design Pathway
An in depth study of solid molding (3d drawing). Independent study of special projects and research new areas of interest.
- 21109 RESEARCH AND DESIGN FOR PRE-CONSTRUCTION A and B**
(Advanced Auto CAD A and B) - **1 unit of credit**
PREREQUISITE: Drafting / CAD B
Application level course in Construction and Design Pathway
This is a continuation of Auto CAD I. Primary emphasis is placed on architectural drawings. Computer aided drawing, (Auto CAD 2006 and Chief Architect) will be used as much as possible.
- 39207 WELDING PROCESSES 1A - 1/2 unit of credit**
PREREQUISITE: Introduction to Welding
Technical level course in Production Pathway
A comprehensive course designed to provide students with knowledge and skills in basic welding theories and terminology, to perform Oxy-fuel and Arc Welding activities in the F & H positions, and to perform Non-destructive testing activities. **There will be a \$25.00 fee for this class.**
- 39207 WELDING PROCESSES 1B - 1/2 unit of credit**
PREREQUISITE: Introduction to Welding
Technical level course in Production Pathway
This class is a continuation of Production Welding 1A covering the fundamentals of working with metal. **There will be a \$25.00 fee for this class.**
- 39208 WELDING PROCESSES 2A - 1/2 unit of credit**
PREREQUISITE: Production Welding 1A and Production Welding 1B
Application level course in the Production Pathway
An application level course designed to instruct students in the knowledge and skills needed for solving fabrication problems, to weld joints in the V & OH positions, and perform Plasma cutting. **There will be a \$25.00 fee for this class.**

39208 WELDING PROCESSES 2B – ½ unit of credit

PREREQUISITE: Production Welding 1A and Production Welding 1B

Application level course in the Production Pathway

An application level course designed to instruct students in the knowledge and skills needed for solving fabrication problems, to weld joints in the V & OH positions, and perform Plasma cutting. **There will be a \$25.00 fee for this class.**

17002 CARPENTRY A and B (Woods I and II) - 1/2 unit of credit each

PREREQUISITE: Practical Arts - Woods

Technical Level course in Construction Pathway

This second class in woods will teach the student in the construction of a drawer and a door for furniture. The project is a nightstand the student will take home. This takes one semester to complete. **There will be a \$50.00 fee for this class.**

17007 WOODWORKING PRINCIPLES A and B (Project Woods A and B) - ½ unit of credit each

PREREQUISITE: Carpentry A and B

Technical Level course in Construction Pathway

This is a semester class where the student will identify an independent project they will make. Students will have several notebooks of projects to pick from including things like, but not limited to, a jewelry box, baseball bat, bowl or vase, pen, clothes, hamper, dresser, table, vanity, letter box, outdoor furniture, CD holder, cedar chest and many more. This class may be taken for credit more than once. **Fees for this class are determined by project selection.**

17009 REMODEL AND BUILDING MAINTENANCE – ½ unit of credit

PREREQUISITE: Carpentry A and B

Building Maintenance courses train students to maintain commercial, industrial, and residential buildings and homes. Instruction is provided in the basic maintenance and repair of plumbing, electrical, and other mechanical systems. Topics covered may include identifying and using hand and power tools safely, installing and repairing floor coverings, walls, and ceilings; installing and repairing doors, windows, screens, and cabinets; applying finishes to prepared

surfaces; and repairing roofs, masonry, plumbing, and electrical systems.

38007 FURNITURE and CABINETRY FABRICATION A and B – 1/2 unit of credit each

PREREQUISITE: Woodworking Principles A and B

Application level course in Construction Pathway

Students will be able to safely use all of the woodworking machines in the shop. They will be able to build a more complex project than in the previous classes. A study of the types of lumber, plywood and the hardware used in woodworking is included. Students will be required to make a cabinet for someone else, usually a teacher in the school. After the completion of the cabinet students may construct an independent project. **Fees for this class are determined by the project selection. Students will be expected to plan and pay for their projects during the first week of class.** This class may be taken for credit more than once.

<u>FAMILY AND CONSUMER SCIENCE</u>			
All classes are electives			
Course Title	Credit	Grade Level	Prerequisite
Career and Life Planning	0.5	9, 10, 11 & 12	None
Leadership Service	0.5	9, 10, 11, & 12	Career and Life Planning
Essentials of Interior and Textile Design	0.5	9, 10, 11 & 12	Career and Life Planning
Interior and Textile Design A and B	1.0	10, 11 & 12	Essentials of Interior and Textile Design
Food Science	.5	10, 11 & 12	Career and Life Planning
Consumer Economics and Personal Finance	.5	9, 10, 11, 12	Career and Life Planning
Nutrition and Wellness	0.5	10, 11 & 12	Career and Life Planning
Family Studies A	0.5	9, 10, 11 & 12	Career and Life Planning
Human Growth and Develop A	0.5	10, 11 & 12	None
Community Connections	.5	10, 11, and 12	Career and Life Planning
Career Connections	.5	10, 11, 12	Career and Life Planning

Family and Consumer Science

08057 NUTRITION AND WELLNESS - 1/2 unit of credit

PREREQUISITE: CAREER AND LIFE PLANNING and SOPH./JR./SR.

Technical level class in Family and Community Services Pathway

Foods class will include detailed discussion about nutrition and the six groups of nutrients, psychological and physiological needs, planning daily food choices using the food guide pyramid plan, weight control and exercise, smoking, drugs, and caffeine. Life cycle decisions including nutrition, consumer buying and storing of food, and environmental concerns will also be discussed. Food skills and food preparation for the groups of nutrients including meal management and table setting will be included in the labs.

22207 CAREER AND LIFE PLANNING - 1/2 unit of credit

Introductory level class in Family and Community Services Pathway, Visual Arts Pathway and Government and Public Administration Pathway

Self-Management courses introduce students to the skills and strategies helpful in becoming more focused, productive individuals. These courses typically emphasize goal setting; decision-making; managing time, energy, and stress; and identifying alternatives and coping strategies. They may also allow students to explore various career and lifestyle choices.

22203 FOOD SCIENCE – 1/2 unit of credit

PREREQUISITE: CAREER AND LIFE PLANNING and SOPH./JR./SR.

Material that will be covered includes scientific concepts and related theories about food science, laws, assumptions and facts that affect student's lives, and job opportunities in food science. Students will work independently and collaboratively to demonstrate decision making and critical thinking skills needed to engage in scientific inquiry and problem solving in food science experiments. Practical lab knowledge of how science applies to everyday cooking.

22208A FAMILY STUDIES A (Balancing Career and Family) - 1/2 unit of credit

PREREQUISITE: CAREER AND LIFE PLANNING

Technical level course in Family and Community Services Pathway

This class is designed to teach students about the importance of strong families, healthy relationships, dating, selecting a life-long mate, marriage, family crisis, divorce and death. This class gives students practical information and life-long skills such as decision making, communication, evaluating alternatives and budgeting that they can apply to their lives now and in the future. Students will make a portfolio for two major projects. They will plan their dream wedding on a budget and then they will participate in a "mock" life with a classmate they are most compatible with. They will then research a career, determine family income, set up a budget according to their "mock" life and make consumer decisions about their wants and needs in setting up a family budget.

22210 CONSUMER ECONOMICS AND PERSONAL FINANCE (Previously Adult Living) – ½ unit of credit

PREREQUISITE: CAREER AND LIFE PLANNING

Technical level class in Family and Community Services Pathway

Consumer Economics/Personal Finance courses provide students with an understanding of the concepts and principles involved in managing one's personal finances. Topics may include savings and investing, credit, insurance, taxes and social security, spending patterns and budget planning, contracts, and consumer protection. These courses may also provide an overview of the

American economy.

22255 LEADERSHIP SERVICE – ½ unit of credit

PREREQUISITE: CAREER AND LIFE PLANNING

Technical level class in Family and Community Services Pathway

Leadership Service in Action courses provide students with the opportunity to analyze real world issues of concern, refine an action plan and apply leadership, teamwork and decision making skills through civic engagement and service learning within Family and Consumer Sciences. The course promotes empowerment of students to assume advocacy roles in family, community and FCS/human services business and industry environments.

22270 COMMUNITY CONNECTIONS – 1/2 unit of credit

PREREQUISITE: Sophomore/Junior/Senior

Technical level courses in Family and Community Services, Visual Arts and Government and Public Administration Pathway

Community Connections course provide community based/school based learning experiences mainly within the family and consumer sciences classroom. Learning goals are set by the student, teacher and community partners to create experiences and/or discussions to enhance the development of the 21st century skills (i.e., leadership, empathy, communication, problem solving, cooperation, critical thinking, and resource management) needed to be successful in human services/family and consumer sciences related careers.

22275 CAREER CONNECTIONS – 1/2 unit of credit

PREREQUISITE: Sophomore/Junior/Senior

Technical level courses in Family and Community Services, Visual Arts and Government and Public Administration Pathway

Career Connections courses provide human services/family and consumer sciences related work-based learning experiences (paid or unpaid) outside the traditional classroom. Learning goals are set by the student, teacher and employer/adult mentor to create field experiences and/or discussions related to human services/ family and consumer sciences occupational technical skills.

30110 ESSENTIALS OF INTERIOR AND TEXTILE DESIGN (Textiles and Design I) - **1/2 unit of credit**

Prerequisite: Career and Life Planning

Technical level course in Visual Arts Pathway

This class builds on basic sewing skills. Students will incorporate the elements and principles of design in their projects and design sewing projects that reflect their personality. They will also explore careers within this field and use the newest tools and timesaving techniques in their projects. Students will use the latest software embroidery programs when designing projects using an embroidery machine. Projects included in this class include a polar fleece blanket or quillow (a quilt in a pillow), holiday projects and ornaments, jeans patching and repair, elasticized flannel pants and a personally designed pincushion. **The cost of this class ranges from \$30 - \$40.**

30160 INTERIOR AND TEXTILE DESIGN STUDIO A AND B (Textiles and Design 2A and 2B) – **1/2 unit of credit each**

PREREQUISITE: Essentials of Interior and Textile Design or Teacher and/or administrative recommendation

Application level course in Visual Arts Pathway

This class is designed to be a projects class that allows a student to make a quilt or wall hanging of their choice. The students will go on 2 fieldtrips to 3 quilt shops. The class can cost from \$10 to \$60, depending on the type and size of projects they want to make. Donated fabric is an option to keep the cost of the class down.

The student will learn about the different kinds of quilts, current popular quilt designs and basic quilting skills. Students will complete samples to learn basic quilting skills (1/4" seams, pressing & rotary cutting), choose a quilt that meets their needs and apply timesaving techniques to their projects. When selecting fabric for their projects, students will apply the principles and elements of design and color theory. This class builds a great foundation for students interested in graphic design, interior design or the fashion field. Students host an annual quilt show to display their quilt(s) and past sewing projects. **This class may be taken more than once.**

**45004 HUMAN GROWTH AND DEVELOPMENT A (PARENTING) – ½ unit
of credit**

PREREQUISITE: SOPHOMORE, JUNIOR or SENIOR

Technical level course in Family and Community Services Pathway and
Government and Public Administration Pathway

This class will teach students the skills that will help them meet the challenges of parenting the next generation. In this class students explore the decisions related parenthood, parenting styles, the costs of raising children, pregnancy, labor and delivery, child development and discipline. Students will participate in a “mock” parenting activity where they research a career of their choice and determine a gross income for their family. They will determine the costs of pregnancy and childbirth; make consumer decisions about their child’s needs in the first year of life and then set up a budget according to their level of income. The Empathy Belly, the 72-hour Baby-Think-it-Over simulated doll experience and a field trip to the labor and delivery department are all highlights of the class.

TEACHING/TRAINING PATHWAY			
Course Title	Credit	Grade Level	Prerequisite
Career and Life Planning	.5	9, 10, 11, 12	None
Teaching as a Career A and B	1	10, 11, 12	Career and Life Planning
Human Growth and Development A	.5	10,11, 12	Career and Life Planning
Family Studies	.5	9, 10, 11, 12	Career and Life Planning
Teaching Internship A and B	1	11, 12	Teaching as a Career

TEACHER/TRAINING

22207 CAREER AND LIFE PLANNING - 1/2 unit of credit

Introductory level class in Teaching/Training Pathway, Family and Community Services Pathway, Visual Arts Pathway and Government and Public Administration Pathway

Self-Management courses introduce students to the skills and strategies helpful in becoming more focused, productive individuals. These courses typically emphasize goal setting; decision-making; managing time, energy, and stress; and identifying alternatives and coping strategies. They may also allow students to explore various career and lifestyle choices.

19151 TEACHING AS A CAREER – 1 unit it credit

Technical level class in Teaching/Training Pathway

Teaching profession courses introduce students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information. These courses typically expose students to and train them in classroom management, student behavior, leadership and human relations skills assessment of student progress, teaching strategies, and various career opportunities in the field of education.

10260 EDUCATIONAL TRAINER A and B – 1 unit of credit

Application level class in the Teaching/Training Pathway

Educational trainer course provides instruction and practice for students who can train

teachers, peers, and community individuals in the effective integration of technology. Training on various technology tools, professional demeanor, customer service, and troubleshooting are part of this course.

19152 TEACHING INTERNSHIP A and B – 1 unit of credit

Application level class in the Teaching/Training Pathway

Education – Workplace experience courses provide students with work experience in fields related to education. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

22208A FAMILY STUDIES A (Balancing Career and Family) - 1/2 unit of credit

PREREQUISITE: CAREER AND LIFE PLANNING

Technical level course in Family and Community Services Pathway

This class is designed to teach students about the importance of strong families, healthy relationships, dating, selecting a life-long mate, marriage, family crisis, divorce and death. This class gives students practical information and life-long skills such as decision making, communication, evaluating alternatives and budgeting that they can apply to their lives now and in the future. Students will make a portfolio for two major projects. They will plan their dream wedding on a budget and then they will participate in a "mock" life with a classmate they are most compatible with. They will then research a career, determine family income, set up a budget according to their "mock" life and make consumer decisions about their wants and needs in setting up a family budget.

45004 HUMAN GROWTH AND DEVELOPMENT A) – ½ unit of credit

PREREQUISITE: SOPHOMORE, JUNIOR or SENIOR

Technical level course in Teaching/Training, Family and Community Services Pathway and Government and Public Administration Pathway

This class will teach students the skills that will help them meet the challenges of parenting the next generation. In this class students explore the decisions related parenthood, parenting styles, the costs of raising children, pregnancy, labor and

delivery, child development and discipline. Students will participate in a “mock” parenting activity where they research a career of their choice and determine a gross income for their family. They will determine the costs of pregnancy and childbirth; make consumer decisions about their child’s needs in the first year of life and then set up a budget according to their level of income. The Empathy Belly, the 72-hour Baby-Think-it-Over simulated doll experience and a field trip to the labor and delivery department are all highlights of the class.

**VOCATIONAL TECHNICAL SCHOOL (Hutchinson Career & Technical
Education Academy at Hutch HS) – Dual Credit with HutchCC**

**PREREQUISITE: JUNIOR or SENIOR LIMITED ENROLLMENT BY
APPLICATION ONLY**

See the counselors for more information. All classes are at Hutchinson High School.

9702 AUTO TECH I – 4 units of credit

Each course carries 16 credit hours toward Hutchinson Community College degree. The program is designed to teach the necessary knowledge and skill in the field of auto technology to students interested in being employed as an automotive technician. Good background subjects include: Electricity, Electronics, Small Gas Engines, and Automotive Mechanics. Automotive Technology I is the first year in the program. Automotive Technology II is the second year in the program. Auto Tech I and II will transfer 32 credit hours to Hutchinson Community College should the student desire to pursue an AAS degree in Auto Technology. The program is located in the Vocational Technical Center.

9703 AUTO TECH II – 4 units of credit

This program is designed to teach the necessary knowledge and skills in the field of auto mechanics to students interested in being employed as a mechanic.

9713 COLLISION REPAIR TECH I – 4 units of credit

Course carries 16 credit hours toward Hutchinson Community College degree. This course is designed to teach students the basic skills of the collision repair trade and prepares them to continue their training in Automotive Collision Repair Technology II. Basic skills taught in this course include: sheet metal welding, dent repair, plastic repair, panel replacement & alignment, paint preparation & application, automotive detailing, and estimating. This course utilizes a combination of classroom lecture and ample hands-on training.

9720 BUILDING TRADES I – 4 units of credit

Building Trades I & II – Each course carries 16 credit hours toward Hutchinson Community College degree. The objective of the building trades program is to

prepare students for employment in all phases of practical carpentry. Through this program, the student should be able to leave at the end of any given year with enough skill to enter the trade or a college level technical building trades program. This will transfer 32 credit hours to Hutchinson Community College upon completion of Building Trades I & II, should the student desire to pursue an AAS degree in Building Trades Technology.

9730 MACHINE TECHNOLOGY – 4 units of credit

Each course carries 16 credit hours toward Hutchinson Community College degree. The class meets three hours daily. The student receives instruction in the use of metal turning lathes, milling machines, grinding machines, computer numerical control and reading of precision instruments used in industry. The course is intended to teach basic skills in the use of industrial machines so that a student would be qualified to meet the requirements for employment with the Machining or Engineering careers. Good background courses include: Math, Drafting, Welding, and Introduction to Machine Technology. Machine Technology I indicates the first year in the program. Machine Technology II indicates the second year in the program. This is a three-hour course and carries three units of credit for high school students but will transfer 32 credit hours to Hutchinson Community College should the student desire to pursue an AAS degree in Machine Technology. The program is located in the Vocational Technical Center.

9750 WELDING TECHNOLOGY I – 4 units of credit

This course is for those students who are interested in having a skill that can make them immediately employable after high school. This class teaches students the skills of flame cutting, plasma cutting, and machine cutting. The student will learn to read and interpret blueprint symbols and languages to construct projects. Other areas of learning will be testing of welds, metallurgy, safety and employment opportunities. Certification opportunities are available to students in this class.

9751 WELDING TECHNOLOGY II – 4 units of credit

This course provides students an opportunity to master skills in the areas of stick and tig welding. They will fabricate projects as well as become certified in mig and stick. Students will be able to operate power presses, long shears, abrasive cut off saws, cold cut saws, ironworkers and power rolls. They will be able to measure with tapes, squares and calipers. When students are building projects for customers, they will learn how to geometrically square and figure angles. If the student completes the above-mentioned processes, they will be given the opportunity to serve an internship at a local business with help from the instructor.

9762 MEDICAL SCIENCE IA

PREREQUISITE: JUNIOR or SENIOR, APPLICATION APPROVED

9763 MEDICAL SCIENCE IIA

PREREQUISITE: JUNIOR or SENIOR, APPLICATION APPROVED

NON-DEPARTMENT

Students may only have one of the following aide classes per semester:

22995 TEACHER AIDE - 1/2 unit of credit

PREREQUISITE: JUNIOR or SENIOR - 3.25 GPA and/or ADMINISTRATIVE APPROVAL

Teacher aides will be assigned to a teacher and will be expected to work for that teacher. Computer skills are helpful but not required. Students must be responsible and trustworthy.

22995 LIBRARY AIDE - 1/2 unit of credit

PREREQUISITE: JUNIOR or SENIOR - 3.25 GPA and/or ADMINISTRATIVE APPROVAL

Library aides will be assigned to the library and will be expected to check out and return books from students, shelve books, help students find books or reference material. Students should know the library policies and material. Students must be responsible and trustworthy.