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HIGH SCHOOL GUIDE TO GRADUATION

PROGRAM OF STUDIES & EDUCATIONAL REQUIREMENTS



Alvin E. Morris Administrative Center
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Wichita, Kansas 67218

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The Work of WPS

Wichita Public Schools prepares all students to achieve college, career and life readiness through an innovative and rigorous educational experience.

The Wichita Public Schools is committed to ensuring an environment that is free of discrimination, and to fostering a climate in which all employees and students may participate, contribute and grow to their fullest potential.

Harassment and disparate treatment will not be permitted or condoned in Wichita Public Schools.

The Wichita Public Schools does not discriminate on the basis of race, color, national origin, religion, sex, gender identity, sexual orientation, disability, age, veteran status or other legally protected classifications in its programs and activities.

All Wichita Public Schools employees have the responsibility to support this statement.

The following persons have been designated to handle inquiries regarding the non-discrimination statement:

Section 504 Coordinator for Adults and Title IX Coordinator for Adults and Students: 903 South Edgemoor, Wichita, KS 67218 (316) 973-4420

Section 504 Coordinator for Students: 903 South Edgemoor, Wichita, KS 67218 (316) 973-4475



PLANNING FOR SUCCESS

Introduction:

Welcome to the Wichita Public Schools District's Program of Study and Educational Requirements in High School Guide. This guide offers a listing and a description of the many courses offered in Wichita Public high schools. **Not every course is offered in every high school and we have tried to indicate that by including special programs in the listings. Also, not every course will be offered each year due to the level of student interest and the availability of staff to teach the subject.** Requirements for post secondary options and programs have been included to assist you in your planning.

The purpose of this guide is to assist you in two areas:

1. Provide you with the information necessary to plan your high school course of study. This plan allows you to consider all of the things you **MUST** do as well as all of the things you **WANT** to do, such as connecting to your future career goals.
2. Provide you with the current information regarding course options available to you during the coming school year. If you have a plan, these courses should help you achieve your desired outcomes from high school.

The course selections you make now can have a great influence on what you do after graduation. We encourage students and parents to read carefully the information contained in this guide. Do not hesitate to ask questions of the school counselor or your teachers. Above all, remember that the choices you make now will influence your future.

Before making course selections, be sure to read (or reread) all of the sections that apply to you.

- Remember that it is the student's responsibility to assure that all requirements are met according to the district's guidelines.
- If you are anticipating attending college and playing college sports, be sure to read the sections pertaining to the Board of Regents Requirements on pages 5 & 6 and the NCAA Eligibility on pages 7—9.
- Students may graduate from high school with the minimum number of required units of credit listed by the State Department of Education, the minimum number of required units approved by the Board of Education, or alternative programs equivalent to the regular program that are designed to meet individual needs and developed with administrative approval. Graduation through the use of any option which deviates from the graduation requirements of the Board of Education must have the written approval of the Superintendent of Schools or his/her designee. (See Board policy P6333 Graduation Rule and Diplomas)
- Most students must meet the basic requirements. Adjustments of credit, based on fulfillment of Individual Education Program (IEP) objectives, may be made at the discretion of the principal with advice from the program coordinator and teacher. (See Board policy P6334 Graduation Requirements for Disabled Pupils)

Disclaimer

The Wichita Public Schools makes every effort to ensure that the information in this Program of Studies is informative and accurate. Enrollment patterns and budget decisions may affect the availability of courses. Changes in policies, new statutes, or other factors can result in incorrect or incomplete information. This Program of Studies should in no way be seen as a contract, but as a guideline for students as they move through their high school years.



PLANNING FOR SUCCESS

Wichita Public Schools High School Graduation Requirements – BOE Policy 6333

The minimum requirement for a Wichita high school credit-based diploma is 23 units of credit. This includes credits earned in approved high school programs for students enrolled in grades 9, 10, 11, and 12.

Definition: Depending on the course and nature of course delivery, units of credit will be awarded in increments of one full (1.0), one-half (.5), or one-quarter (.25) credit.

- b. Fifteen and one half (15.5) units of credit required for graduation include:
- 1) Four (4) units of credit in English. English 1 (Grade 9), English 2 (Grade 10), and English 3 or Advanced Placement Language (Grade 11) are required.
 - 2) One (1) Unit of credit for English 4 must be earned in the final two semesters prior to graduation. Classes that constitute English 4 include:
 - a) English 4
 - b) A combination of two of the following one-semester courses: English Literature, World Literature, Modern Literature, and English Composition
 - c) Advanced Placement English Literature and Composition or AP Language
 - 3) Three (3) units of credit in Social Studies. Units must include study in U.S. History 1 (one unit), U.S. History 2 (one unit), U.S. Government (one-half unit), and World Studies (one-half unit). World History fulfills the World Studies requirement.
 - 4) Three (3) units of credit in Mathematics, which may include:
 - a) Foundations of Algebra* (Grade 9)
 - b) Algebra 1, Geometry, Intermediate Algebra*, Math Applications*, Algebra 2, Algebra 3, PreCalc, or AP Math Courses (Grades 9, 10, 11, 12)(* denotes Courses NOT for Qualified Admissions)
 - 5) Three (3) units of credit in Science in course numbers 4000-4999.
 - 6) One (1) unit of credit in Physical Education and Health Foundations (8748/8749) or Modified Physical Education (9201-9202).
 - 7) One (1) unit of credit in Fine Arts, which may include art, music, dance, theatre, and forensics. In addition, the following courses will fulfill the Fine Arts credit: Introduction to Drawing (5769), Introduction to Drawing and Design (8175X), Principles of Illustration (5778), Graphic Design (5781, 5782), Photo Imaging (5715), Fashion Merchandising (7761/7762), Essentials of Interior and Textile Design (5752, 5749L/5749T), Web Page Design (6743/5743), Print Media Lab (7188/7189), Project Management for Communications (5727, 5728), Digital Media Project Management (7253F, 7354F)
 - 8) .5 unit of credit in Financial Literacy (7610). This credit must be completed in the Junior or Senior year.
- c. Seven and one half (7.5) units of elective credit must be earned, with at least .5 unit of elective credit coming from a KSDE approved Career and Technical Education Pathway. Specific information on qualifying courses can be found on the Career and Technical Education section of the district's Web site.
- d. Elective course ranges are: Art: 8000-8499 Business: 6000-6999 Computer Studies: 5700-5998 Family and Consumer Science: 7600-7999 Foreign Language: 5000-5699 JROTC: 9221-9249 Language Arts: 1000-1999 Mathematics: 2000-2999 Physical Education: 9200-9399 Music: 8500-8999 Science: 4000-4999 Social Studies: 3000-3999 Technology: 7000-7599 Technical Education: 7000-7599 Consortium courses: 9000-9199

PLANNING FOR SUCCESS

WICHITA PUBLIC SCHOOLS | KANSAS BOARD OF REGENTS UPDATE

QUALIFIED ADMISSIONS CRITERIA: August 2021

Graduating Class of 2021 +

Admission requirements for Kansas Board of Regent Universities will change for students in this graduating class and those following.

ESU, PSU, FHSU, WSU Requirements

- ACT 21+ **or** Cumulative GPA 2.25+
- Pre-College Curriculum Units Recommended
- Cumulative GPA 2.0+ for College Credit earned in High School

K-State

- ACT 21+ **or** GPA 3.25+
- Pre-College Curriculum Units Recommended
- Cumulative GPA 2.0+ for College Credit earned in High School

KU

- ACT 21+ & Cumulative GPA 3.25+ **or** ACT 24+ & Cumulative GPA 3.0+
- Pre-College Curriculum Units Recommended
- Cumulative GPA 2.5+ for College Credit earned in High School

"The best way to predict your future is to create it." -- Abraham Lincoln

WHAT THIS MEANS FOR WPS

Supporting Students

The information below outlines how students will continue to be supported to ensure they are successful at their chosen universities.

- Courses identified as meeting the pre-college curriculum criteria will continue to be reflected in the Program of Study (Courses were previously identified as "Qualified Admissions")
- In order to graduate from our accredited high school programs, students will continue to follow guidelines set forth in the Board of Education Policies (6333 & 6334) outlining graduation requirements.
- Requirements for Kansas State Scholars will continue to remain the same. Students will need to complete the Kansas Scholars Curriculum which includes specific pre-college curriculum courses identified in our Program of Study.
- It is the role of educators in Wichita Public Schools to encourage **all** students to enroll in courses that will engage, challenge, and inspire students to Dream, Believe and Achieve.

PLANNING FOR SUCCESS

Kansas State Scholars:

Students that complete the Kansas State Scholars curriculum and meet other requirements, may be designated as State Scholars their senior year. This makes one eligible to receive the Kansas State Scholarship as provided by the Kansas Legislature.

This document provides a summary overview of requirements and is not a substitute for or to be used in lieu of the actual detailed requirements found at:

www.kansasregents.org/qualified_admissions_rules_regulations.

Educational Requirements

Applying to be a State Kansas Scholar

Complete the Kansas Scholars Curriculum which includes QA Approved courses:

- English—4 Years
 - ◊ One credit obtained each year of high school
 - ◊ Courses must include substantial recurrent practice in writing extensive and structured papers, extensive reading of significant literature, and significant experience in speaking and listening
- Math—4 Years
 - ◊ One credit obtained each year of high school
 - ◊ Courses must include Algebra I, Algebra II, Geometry, and one unit of advanced mathematics
 - ◊ Advanced courses may include any course with Algebra II as a prerequisite.
 - ◊ Completion of Algebra I in 8th grade is acceptable for the Kansas Scholars Curriculum.
- Science—3 Years
 - ◊ One credit each in Biology, Chemistry, and Physics.
 - ◊ Each course must have an average of one laboratory period a week.
 - ◊ Applied/technical courses may not substitute for a credit of natural science credit.
- Social Studies—3 Years
 - ◊ One credit of U.S. History
 - ◊ At least 0.5 credit of U.S. Government and 0.5 credit selected from World History, World Geography or International Relations
 - ◊ One credit selected from Psychology, Economics, U.S. Government, U.S. History, Current Social Issues, Sociology, Anthropology, and Race and Ethnic Group Relations. Half credits may be combined to make this a whole credit.
- Foreign Language—2 Years (Must be 2 years of the same language)
 - ◊ Latin and Sign Language are accepted.

Additional Requirements:

Take the ACT between April of the sophomore year and December of the senior year

Be a Kansas resident

Student's curriculum and 7th semester GPA must be certified on the official roster by the high school counselor, registrar, or similar official

PLANNING FOR SUCCESS

Applying to NCAA Institutions: College-bound student-athletes must meet specific academic requirements in order to practice, receive athletic scholarships, and/or compete **their first year** at any NCAA Institution.

This document provides a summary overview of requirements and is not a substitute for or to be used in lieu of the actual detailed requirements found at:

NCAA Eligibility Center : Toll-free number 877-262-1492 or <http://www.ncaa.org/>

Educational Requirements

Division I Requirements

Step 1—Register with the NCAA Eligibility Center www.ncaa.org

Full Qualifier: College-bound student-athletes may practice, compete and receive athletic scholarships during their first year of enrollment at an NCAA Division I school if they meet the following requirements:

Complete 16 courses in the following areas:

- English—4 Years
- Math—3 Years (Algebra I or higher, does not include intermediate Algebra)
- Science—2 Years (1 year of lab if offered)
- Additional Course—1 year (English, Math, or Natural/Physical Science)
- Social Studies—2 Years
- Additional Courses—4 Years (Any area in English, Math, Science, or Social Studies, Foreign Language, Comparative Religion, or Philosophy)
- Ten of the 16 core courses must be completed before the senior year of high school
- Seven of the 10 core courses must be English, math or science

Additional Requirements:

Earn a core-course GPA of at least 2.30

Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale

Send ACT/SAT official scores to NCAA Eligibility Center

Graduate high school

Academic Redshirt: College-bound student-athletes may receive athletic scholarships during their first year of enrollment at an NCAA Division I school and may practice during their first regular academic term, but may NOT compete during their first year of enrollment if they meet the following requirements:

Complete 16 courses in the following areas:

- English—4 Years
- Math—3 Years (Algebra I or higher, does not include intermediate Algebra)
- Science—2 Years (1 year of lab if offered)
- Additional Course—1 year (English, Math, or Natural/Physical Science)
- Social Studies—2 Years
- Additional Courses—4 Years (Any area in English, Math, Science, or Social Studies, Foreign Language, or comparative religion/philosophy)

Additional Requirements:

Earn a core-course GPA of at least 2.0

Earn the ACT/SAT score matching your core-course GPA on the Division I sliding scale (see website)

Send ACT/SAT official scores to NCAA Eligibility Center

Graduate high school

Nonqualifiers: College-bound student-athletes may not practice, receive athletic scholarships or compete during their first year of enrollment at an NCAA Division I school.

PLANNING FOR SUCCESS

Applying to NCAA Institutions: College-bound student-athletes must meet specific academic requirements in order to practice, receive athletic scholarships, and/or compete **their first year** at any NCAA Institution.

This document provides a summary overview of requirements and is not a substitute for or to be used in lieu of the actual detailed requirements found at:

NCAA Eligibility Center : Toll-free number 877-262-1492 or <http://www.ncaa.org/>

Educational Requirements

Division II Requirements

Step 1—Register with the NCAA Eligibility Center www.ncaa.org

Full Qualifier: College-bound student-athletes may practice, compete and receive athletic scholarships during their first year of enrollment at an NCAA Division II school if they meet the following requirements:

Complete 16 courses in the following areas:

- English—3 Years
- Math—2 Years (Algebra I or higher, does not include intermediate Algebra)
- Science—2 Years (1 year of lab if offered)
- Social Studies—2 Years
- Additional Courses—3 Years (English, Math, or Science)
- Additional Courses—4 Years (English, Math, Science, Social Studies, Foreign Language, Comparative religion, or Philosophy)

Additional Requirements:

Earn a core-course GPA of at least 2.20

Earn the ACT/SAT score matching your core-course GPA on the Division II full qualifier sliding scale

Send ACT/SAT official scores to NCAA Eligibility Center

Graduate high school

Partial Qualifier: College-bound student-athletes may receive athletic scholarships during their first year of enrollment and may practice during their first regular academic term, but may NOT compete during their first year of enrollment if they meet the following requirements:

Complete 16 courses in the following areas:

- English—3 Years
- Math—2 Years (Algebra I or higher, does not include intermediate Algebra)
- Science—2 Years (1 year of lab if offered)
- Social Studies—2 Years
- Additional Courses—3 Years (English, Math, or Science)
- Additional Courses—4 Years (English, Math, Science, Social Studies, Foreign Language, Comparative religion, or Philosophy)

Additional Requirements:

Earn a core-course GPA of at least 2.0

Earn the ACT/SAT score matching your core-course GPA on the Division II partial qualifier sliding scale

Send ACT/SAT official scores to NCAA Eligibility Center

Graduate high school

Nonqualifiers: College-bound student-athletes may not practice, receive athletic scholarships or compete during their first year of enrollment at an NCAA Division II school.

PLANNING FOR SUCCESS

Applying to NCAA Institutions: College-bound student-athletes must meet specific academic requirements in order to practice, receive athletic scholarships, and/or compete **their first year** at any NCAA Institution.

This document provides a summary overview of requirements and is not a substitute for or to be used in lieu of the actual detailed requirements found at:

NCAA Eligibility Center: Toll-free number 877-262-1492 or <http://www.ncaa.org/>.

NCAA Recommended Timeline

- **Freshman Year of High School**
 - ⇒ Get the best grades possible.
 - ⇒ Speak with guidance counselor and make sure you're taking NCAA approved core courses.
 - ⇒ Sign up for FREE profile at eligibilitycenter.org
- **Sophomore Year of High School**
 - ⇒ Continue to keep grades up. Ask for help if needed.
 - ⇒ Register profile officially. (Some individuals may qualify to apply for a fee waiver.)
- **Junior Year of High School**
 - ⇒ Continue dialogue with guidance counselor about core course completion. Make sure you're on track to graduate.
 - ⇒ Take ACT or SAT and submit scores to the NCAA EC using the code 9999.
 - ⇒ At the end of Junior Year; send official transcript to the NCAA EC.
- **Senior Year of High School**
 - ⇒ Complete last required NCAA core courses.
 - ⇒ Re-take SAT or ACT if needed.
 - ⇒ Upload final transcript and proof of graduation.

PLANNING FOR SUCCESS

Applying to Kansas Community and Technical Colleges:

Minimum requirements for admissions to Kansas' community and technical colleges can vary from institution to institution, and from program to program within each institution. Some programs require placement tests but sufficient ACT and SAT scores can often meet those requirements.

For the most current and complete list of admissions requirements, check the college's website.

Educational Requirements

Community and Technical Colleges

- Kansas community and technical colleges require incoming full-time students to have completed a high school diploma or GED.
- Some programs carry a placement test requirement, but the exact placement test and score may vary from college to college. ACT or SAT scores can often be used to meet these requirements if they are no more than 3-years old and meet the minimum score requirement.
- Healthcare programs will have additional requirements such as a valid TB test.

The admissions process is similar at most institutions:

Complete an application for admissions.

Complete a FAFSA application (www.fafsa.ed.gov) and apply for applicable scholarship.

Meet with a College Academic Advisor to get complete information on your chosen program.

Request that your final and **official** high school transcript, and other college transcripts be sent by the school to the college's Registrar's office.

Applying to WSU Tech (formerly Wichita Area Technical College)

For admission information go to www.watc.edu/apply/, or apply in person at any campus location.

Meet with an admissions counselor for your chosen pathway:

NCAT Campus, 4004 N. Webb Rd, for Aviation, Design and Manufacturing programs

Southside Campus, 4501 E. 47th St S, for Business, Healthcare and General Education

City Center Campus, 301 S. Grove, for Specialized Trades and Automotive

Applying to Butler Community College

For admission information go to <https://www.butlercc.edu/info/201088/enrollment-checklist/265/new-student-enrollment-checklist>

Meet with an admissions counselor at one of these three locations:

Butler of Andover: 1810 N. Andover Rd., 316-218-6259

Butler of El Dorado: 901 S. Haverhill Rd, 316-322-3163

Butler Service Center – Wichita: 2626 S. Road Rd, 316-691-9456

Applying to Hutchinson Community College

For admission information go to <http://hutchcc.edu/future-students/> for information.

Admissions Office's contact information is 620-665-3535 or admissions@hutchcc.edu.

Applying to Cowley College

For admission information go to <https://www.cowley.edu/admissions/checklist.html>.

Cowley's online admission may be done at <https://www.cowley.edu/apply/index.html>.

PLANNING FOR SUCCESS

Career and Technical Education—Pathways by School:

The lists below show the various CTE pathways available at each high school. Information on course descriptions, prerequisites, course fees and college credit opportunities for these pathways begin on page 68.

Wichita High School East	Wichita High School Heights	Wichita High School North
<ul style="list-style-type: none"> • Business Finance • Construction & Design • Corrections, Security & Law Enforcement Services—Pre-Law • Digital Media • Early Childhood Development & Services • Engineering & Applied Mathematics • Family, Community & Consumer Services • Graphic Design • Marketing • Programming & Software Development • Restaurant & Event Management • Teaching/Training • Web & Digital Communications 	<ul style="list-style-type: none"> • Business Finance • Construction & Design • Digital Media • Early Childhood Development & Services • Engineering & Applied Mathematics • Family, Community & Consumer Services • Fashion, Apparel Production, Interior Design • Manufacturing Production • Marketing • Network Systems • Programming & Software Development • Restaurant & Event Management • Teaching/Training • Web & Digital Communications 	<ul style="list-style-type: none"> • Aviation Maintenance • Aviation Production • Biomedical • Business Finance • Digital Media • Early Childhood Development & Services • Engineering and Applied Mathematics • Family, Community & Consumer Services • Fashion, Apparel Production, Interior Design • Graphic Design • Manufacturing Production • Marketing • Mobile Equipment Maintenance • Programming & Software Development • Restaurant & Event Management • Teaching/Training • Web & Digital Communications
Wichita High School Northwest	Wichita High School South	Wichita High School Southeast
<ul style="list-style-type: none"> • Aviation Maintenance • Aviation Productions • Business Finance • Construction & Design • Digital Media • Early Childhood Development & Services • Engineering & Applied Mathematics • Family, Community & Consumer Services • Fashion, Apparel Production, Interior Design • Manufacturing Production — Machining • Marketing • Network Systems • Information Support & Services • Programming & Software Development • Restaurant & Event Management • Teaching/Training • Web & Digital Communications 	<ul style="list-style-type: none"> • Business Finance • Construction & Design • Corrections, Security & Law Enforcement Services—Law Enforcement • Digital Media • Early Childhood Development & Services • Emergency & Fire Management Services • Family, Community & Consumer Services • Fashion, Apparel Production, Interior Design • Marketing • Mobile Equipment Maintenance--Auto Collision & Refinishing • Mobile Equipment Maintenance--Automotive Technician • Network Systems • Programming & Software Development • Restaurant & Event Management • Teaching/Training • Web & Digital Communications 	<ul style="list-style-type: none"> • Ag Small Engines • Agricultural Structures • Animal Science • Aviation Maintenance • Aviation Production • Business Finance • Digital Media • Early Childhood Development & Services • Engineering & Applied Mathematics • Family, Community & Consumer Services • Fashion, Apparel Production, Interior Design • Manufacturing Maintenance • Marketing • Network Systems • Plant Systems • Programming & Software Development • Restaurant & Event Management • Web & Digital Communications
Wichita High School West	Northeast Magnet High School	Wichita Alternative High School
<ul style="list-style-type: none"> • Aviation Maintenance • Aviation Production • Business Management & Entrepreneurship • Business Finance • Construction & Design • Digital Media • Early Childhood Development & Services • Engineering & Applied Mathematics • Family, Community & Consumer Services • Graphic Design • Health Science • Manufacturing Production • Marketing • Programming & Software Development • Restaurant & Event Management • Teaching/Training • Web & Digital Communications 	<ul style="list-style-type: none"> • Biomedical • Corrections, Security & Law Enforcement Services—Pre-Law • Digital Media • Emergency & Fire Management Services • Engineering & Applied Mathematics • Graphic Design • Health Science • Programming & Software Development • Web & Digital Communications 	<ul style="list-style-type: none"> • Business Finance • Digital Media • Graphic Design • Marketing • Web & Digital Communications

CTE - PATHWAYS

Course Titles	Level	Course #
Ag Power, Structural, and Technical Systems		
Introduction to Agriculture	I	4115/4116
Agriscience	T	4117/4118
Animal Science	T	4119/4120
Ag Mechanics	T	4167F/4168F
Animal Health	A	4125/4126
Agribusiness	A	4123/4124
Ag Small Engines	A	4027F/4028F
Agricultural Structures	A	4025F/4026F
Workbased Experience—Power and Structural Systems	A	4101F/4102F

Animal Science		
Introduction to Agriculture	I	4115/4116
Agriscience	T	4117/4118
Animal Science	T	4119/4120
Animal Health	A	4125/4126
Agribusiness	A	4123/4124
Workbased Experience—Animal Science	A	4105/4106

Aviation Maintenance		
<i>Avionics Strand</i>		
Introduction to Industrial Technology	I	7470X/7470L
Production Blueprint Reading	I	7423X
Aviation Fundamentals	T	7143F/7143L
Hand and Power Tools	T	7157F/7157L
Digital Electronics	A	7031/ 7032
DC Electronics	A	7215F/7215L
Flight Training	A	7289F/7290F
Unmanned Aircraft System (UAS)	A	7103F/7104F 7103L/7104L
Aviation Workplace Experience	A	7149F/ 7150F 7149L/ 7150L
<i>Engine Maintenance Strand</i>		
Introduction to Industrial Technology	I	7470X/7470L
Production Blueprint Reading	I	7423X
Aviation Fundamentals	T	7143F/7143L
Hand and Power Tools	T	7157F/7157L

Course Titles	Level	Course #
Aviation Maintenance (cont.)		
Hydraulics and Pneumatics	A	7147F/ 7148F
Aviation Workplace Experience	A	7149F/ 7150F 7149L/ 7150L

Aviation Production		
<i>Production Strand</i>		
Introduction to Industrial Technology	I	7470X/7470L
Production Blueprint Reading	I	7423X
Aviation Fundamentals	T	7143F/7143L
Hand and Power Tools	T	7157F/7157L
Production Methods 1	A	7283F/7284F 7283L/ 7284L
Aviation Workplace Experience	A	7149F/ 7150F 7149L/ 7150L
Workbased Experience—Aviation Comprehensive	A	7305
Workbased Experience—Aviation Production	A	7030F
<i>Design Strand</i>		
Introduction to Industrial Technology	I	7470X/7470L
Production Blueprint Reading	I	7423X
Aviation Fundamentals	T	7143F/7143L
Hand and Power Tools	T	7157F/7157L
Drafting/CAD 1 and 2	T	7045/7046
Production Methods 1	A	7283F/ 7284F 7283L/ 7284L
Aviation Workplace Experience	A	7149F/ 7150F 7149L/ 7150L

CTE - PATHWAYS

Course Titles	Level	Course #
Biomedical		
Principles of Biomedical Sciences	T	7117/7118
Human Body Systems	T	7119/7120
Medical Interventions	T	7123/7124
Bioengineering	A	7927F/7928F
Biomedical Innovations	A	7125/7126
Business Finance		
Business Essentials	I	6720
Advanced Spreadsheets Applications	T	6009F
Youth Entrepreneurs	T	6888/6889
Accounting	T	6013/6014
Business Economics	T	6719
Financial Literacy	T	7610C/7610F
Honors Financial Literacy	T	7630
Investing	A	6521
Advanced Accounting	A	6015/6016
College Accounting	A	6017/6018
Workbased Experience—Finance (.5 credit)	A	6000F
Business Management & Entrepreneurship		
Business Essentials	I	6720
Youth Entrepreneurs	T	6888/6889
Accounting	T	6013/6014
Business Communications	T	6705
Business Economics	T	6719
Business Law	T	6170
Business Management	T	6706
Advanced Business Development	A	6704/6704
Construction & Design		
Skilled Mechanical Crafts	T	7058
Cabinetmaking & Furniture Design 1A & 1B	T	7511/7512
Residential Carpentry 1A & 1B	T	7033/7034
Remodeling & Building Maintenance	A	7546
Cabinet Making & Furniture Design 2A & 2B	A	7521/7522
Residential Carpentry 2	A	7035/7036
Plumbing Technology	A	7455
Advanced Materials Technology	A	7039/7040
HVAC Technology	A	7257F/7257L
Sheet Metal	A	7037F/7037L
Workbased Experience—Construction and Design	A	6635F

Course Titles	Level	Course #
Corrections, Security & Law Enforcement Services		
<i>Law Enforcement Strand</i>		
Introduction to Law & Public Service	I	3481
Law Enforcement 1	T	7621
First Aid/CPR/EMR	T	7627
Law Enforcement 2	A	7622
Forensic Science	A	4401F/4402F
Forensic Science 2*	A	4005F/4006F
Honors Forensic Science	A	4403/4404F
LPSS Internship	A	7626
<i>Pre-Law Strand</i>		
Introduction to Law & Public Service	I	3481
Accounting	T	6013/6014
Business Law	T	6170/6170L
Practical Law	T	6173F
Business Management	T	6706/6706L
Foundations in Law	A	7631/7632
Youth Court	A	3517F/3518F
LPSS Internship	A	7626
Digital Media		
<i>AV Strand</i>		
Business Essentials	I	6720
Computer Essentials	I	5735
A/V Production Fundamentals	T	5744
Computer Graphics*	T	5741/5742
Principles of Marketing	T	6611/6612
Digital Video Production	A	5725/5726
Digital Media Design & Production	A	5745/5746
<i>Communications Strand</i>		
Business Essential	I	6720
Computer Essentials	I	5735
21st Century Journalism	T	5711
Fundamentals of Graphic Design	T	5712
Photo Imaging	T	5715
Digital Media Technology	T	5713/5713T
Media & Public Relations	T	5714
Digital Media Project Management	A	7253F/7254F

CTE - PATHWAYS

Course Titles	Level	Course #
Early Childhood Development & Services		
Career & Life Planning	I	7635
World of Children	T	7900
Parenting & Child Development	T	7600
Family Studies	T	7653
Early Childhood Education Foundations	T	7611/7612
FACS Leadership in Action	T	7665
Early Childhood Education Lab	A	7613/7614
Emergency & Fire Management Services		
Introduction to EMS	I	7361X
Introduction to Law & Public Safety	I	3481
Firefighter I	T	7352/7353
Fire Service Special Operations (South HS only)	T	7921
Emergency Medical Technician	T	7356/7357
First Aid/CPR/EMR (South HS only)	T	7627
Hazardous Materials for First Responders	T	4204F
Firefighter II	A	7354/7355
EMT 2	A	7358/7359L
Engineering & Applied Mathematics		
Engineering Essentials	I	6763X/6764X
Introduction to Engineering Design	T	7041/7042
Principles of Applied Engineering	T	4011F/4012F
Robotics	T	7069/7070
Digital Electronics	A	7031/7032
Computer Integrated Manufacturing	A	7556/7557
Civil Engineering & Architecture	A	7909/7910
Aerospace Engineering	A	7905/7906
Aerospace Engineering Lab (North HS only)	A	7475F/7476F 7475L/7476L
Engineering Design & Development	A	7043/7044
Workbased Experience - Aviation Production	A	7030F

Family, Community, & Consumer Services		
Career & Life Planning	I	7635
Parenting & Child Development	T	7600
Family Studies	T	7653
Financial Literacy	T	7610C/7610F
Honors Financial Literacy	T	7630
Nutrition & Wellness	T	7655
FACS Leadership in Action	T	7665
Culinary Essentials	T	6723
Community Connections	A	7667
Career Connections	A	7669

Course Titles	Level	Course #
Fashion, Apparel, Interior Design		
Career & Life Planning	I	7635
Introduction to Drawing & Design	I	8175X
Apparel Production 1	T	5833F
Apparel Production 2	T	5834F
Essentials of Interior & Textile De-	T	5752/5749
Fashion Trends	T	6651F
Interior & Textile Merchandising	T	5759
Interior & Textile Design Studio	A	5789/5790
Interior Design Applications	A	5779
Career Connections	A	7669
Community Connections	A	7667
Workplace Experience—Interior Design Applications	A	5807/5805
Graphic Design		
Introduction to Drawing & Design	I	8175X
Computer Essentials	I	5735
Principles of Illustration	T	5778
Photo Imaging	T	5715
Fundamentals of Graphic Design	T	5712
Graphic Design	T	5781/5782
Graphic Design Project Management		7255F/7256F
Computer Graphics	T	5741/5742

Courses offered within a pathway varies at each school. Please visit the CTE website at www.cte.usd259.org, or visit with your school's counselor for specific school pathways/courses.

I = Introductory
T = Technical
A = Application

To be considered a CTE Concentrator, a student must complete a minimum of 3.0 credits within a pathway; at least 2 of those credits must be a combination of technical and application level courses.

CTE - PATHWAYS

Course Titles	Level	Course #
Health Science		
Biology (NE Magnet only)	I	4251X/4252X
BioMed Honors Biology (North HS only)	I	4048/4049
BioMed Honors Chemistry (North HS only)	I	4046/4047
Introduction to Health Care	I	4091X
Anatomy & Physiology	T	4821F/4822F
BioMed Anatomy & Physiology (North HS only)	T	4052/4053
Medical Terminology	T	4056
EMT	T	7356/7357
Nutrition & Wellness	T	7655
Pharmacology	T	4077
Sports Medicine 1 (West HS only)	T	4079/4080
Care of Athletes (West HS only)	T	4083
Health Care 2	T	4093F/4094F
Health Science 1	T	4135F/4136F
Health Science 2	T	4137F/4138F
EMT 2	A	7358/7359L
Certified Nursing Assistant	A	4074L
Certified Medication Aide	A	4073L
Phlebotomy Technician	A	4075L
Home Health Aide	A	4076
Sports Medicine 2 (West HS only)	A	4081/4082
Work Based Experience—Health Science 3	A	4139F/4140F
Information Support Services		
Computer Essentials	I	5735
IT Hardware Basics	T	5767F/5768F
Database Applications (NWHS only)	T	5805/5806F
Database Management & Data	A	5809/5810F

Course Titles	Level	Course #
Manufacturing		
Maintenance Strand		
Introduction to Industrial Tech.	I	7470
Production Blueprint Reading	I	7423
Production Print Reading II	T	7287F/7287L
Mechanical Power Transmissions Systems	T	7429F/7429L
Hydraulics and Pneumatics	A	7427
Production Strand		
Introduction to Industrial Tech.	I	7470
Computer Aided Machining (CAM) 1	T	7529/7530
Drafting/CAD 1, 2	T	7045/7046
Welding Processes 1	T	7301F/7302F 7301L/7302L
Production Methods 1	T	7283F/7284F 7283L/7284L
Machine Tool Technology 1A and 1B	T	7404/7405
Advanced Drafting/CAD 1, 2	A	7053/7054
Computer Aided Machining (CAM) 2	A	7543F
Production Methods 2	A	7285F/7286L 7285L/7286F
Welding Processes 2	A	7303F/7304F 7303L/7304F
Workbased Experience—Manufacturing Comprehensive	A	7525/7526
Marketing		
Business Essentials	I	6720
Advanced Spreadsheets Applications	T	6009F
Principles of Marketing	T	6611F/6612F 6611L/6612L
Youth Entrepreneurs	T	6888/6889
Sports & Entertainment Meeting	T	6801
Accounting	T	6013/6014
Business Law	T	6170
Business Communications	T	6705
Business Management	T	6706
Business Economics	T	6719
Entrepreneurship*	T	6906
Digital Marketing	T	6633F
Marketing Applications	A	6629F/6630F 6629L/6630L
Workbased Experience—Marketing (.5 credit)	A	6053F

CTE - PATHWAYS

Course Titles	Level	Course #	Course Titles	Level	Course #
Mobile Equipment Maintenance			Programming & Software Development		
<i>Auto Collision & Refinishing Strand</i>			Computer Essentials	I	5735
Introduction to Industrial Technology	I	7470	Computer Programming	T	5747/5748
Auto Collision 1	T	7223/7224	Advanced Computer Programming	T	5705/5706
Auto Refinishing 1	T	7307F/7308F	Web Page Design	T	6743/6744
Auto Collision 2	A	7225/7226	Introduction to Computer Science	T	6755F/6756F
Auto Refinishing 2	A	7309F/7310F	AP Computer Science Principles	T	6745F/6746F
<i>Automotive Technician Strand</i>			Computer Science Principles	T	6753F/6754F
Introduction to Industrial Technology	I	7470	Computer Science Applications (East HS only)	A	6757F/6758F
Introduction to Transportation	I	7241	Cybersecurity (East HS only)	A	6716F/6726F
General Service 1—Automotive	T	7233L/7234L	IB Computing SL	A	5811/5812
Alternative Power 1	T	7219	Programming Development Project Management	A	5925F/5926F
Engine Mechanical Repair	T	7232	Restaurant & Event Management		
General Service 2—Automotive	A	7237L/7238L	Career & Life Planning	I	7635
Workbased Experience—Transportation	A	7527	Business Essentials	I	6720
General Service 3—Automotive	A	7239L/7240L	Culinary Essentials	T	6732
Alternative Power 2	A	7220	Baking & Pastry 1	T	6729L
Network Systems			Baking & Pastry 2	T	6730L/6730F
Computer Essentials	I	5735	Culinary Arts 1	T	6727L/6728L
Networking Systems	T	5761/5762	Culinary Arts 2	T	6731
Computer Operating Systems	T	5837/5838	Nutrition & Wellness	T	7655
Routing & Switching	T	5815F/5815L	Career Connections	A	7669
Network Security	T	5765/5766	Culinary Applications	A	6725/6726
IT Hardware Basics	T	5767/5768	Community Connections	A	7667
Networking Project Management	A	5835F/5836F			
Plant Systems					
Introduction to Agriculture	I	4115/4116			
Agriscience	T	4117/4118			
Horticulture	T	4121/4122			
Agribusiness	A	4123/4124			
Horticulture & Greenhouse Management	A	4127/4128			
Workbased Experience—Plant Systems	A	4103F/4104F			

Courses offered within a pathway varies at each school. Please visit the CTE website at www.cte.usd259.org, or visit with your school's counselor for specific school pathways/courses.

I = Introductory

T = Technical

A = Application

To be considered a CTE Concentrator, a student must complete a minimum of 3.0 credits within a pathway; at least 2 of those credits must be a combination of technical and application level courses.

CTE - *PATHWAYS*

Course Titles	Level	Course #
Teaching/Training		
Career & Life Planning	I	7635
Parenting & Child Development	T	7600
Family Studies	T	7653
Teaching as a Career	T	7601C/7602C
Teaching Observation	T	7628F/7628L
Workbased Experience—Teaching Intern-	A	7679/7680
Web & Digital Communications		
Computer Essentials	I	5735
Web Page Design	T	6743
Computer Graphics	T	5741/5742
Animation	T	5793
Computer Programming	T	5747/5748
Interactive Media	T	5700
Game Design	A	5775/5776
Web and Digital Project Management	A	5738F/5739F

Courses offered within a pathway varies at each school. Please visit the CTE website at www.cte.usd259.org, or visit with your school's counselor for specific school pathways/courses.

I = Introductory

T = Technical

A = Application

To be considered a CTE Concentrator, a student must complete a minimum of 3.0 credits within a pathway; at least 2 of those credits must be a combination of technical and application level courses.

PLANNING FOR SUCCESS

Advanced Placement (AP) Courses:

All students who wish to accept the challenge of an Advanced Placement course are welcome to participate in the AP program. As students and parents consider the commitment of enrolling in AP courses, they should be aware of the work involved in these courses so they can make informed decisions regarding course selection. The following guidelines are provided to assist both students and parents in their consideration of these courses.

Advanced Placement Course Guidelines

AP Enrollment Considerations and Commitments

- Enrollment in an AP course is for the full school year.
- Requests to withdraw from an AP course will be denied.
- Students enrolled in AP courses are expected to prepare for and are expected to complete the Advanced Placement (AP) Exam.
- All AP Exam fees are to be paid at the time of enrollment.
- The score earned on an AP Exam will have no bearing on the grade earned in an AP course.

AP Curricula

Curricula for AP courses are written two grade levels above traditional curricula and the classroom environment is fast-paced and challenging. Most lesson preparation is done at home. Therefore, students taking these courses should be self-motivated learners willing to invest time and energy into their activities and assignments. Students should be independent learners who have demonstrated prior success in the classroom as demonstrated by:

- * **Motivation** — There are several reasons why students take AP courses in intermediate and high school. Whatever the reason, all AP students should have the desire to do their best, regardless of the effort required.
- * **Time Management** — Most students are involved in extracurricular activities or other activities that occur outside the school day. Each AP class requires multiple hours of homework each week. Students should be willing and able to manage the kind of time it takes to successfully complete their AP course-work.
- * **Positive Attitude and Dedication** — Often students find that AP classes require a level of mental activity to which they are unaccustomed. These students should persevere in their commitment to this level of academic rigor and, when faced with challenges, be willing to take necessary steps to success in the class (tutorials, study groups, etc.). AP students should approach problem-solving as an adventure and appreciate learning for learning's sake.
- * **Strong Work Ethic** — An interactive environment is critical to a successful AP experience. Students participation requires good attendance and punctuality. Respecting each other's ideas and taking responsibility for one's own actions and work are also crucial components to success. Students should be able to work well both independently and cooperatively. They should also take pride in their work by completing all assignments on time and creating high-quality products.
- * **Teacher Input** — The current subject-area teacher is a valuable resource in determining a student's readiness to participate in an AP program. Communicating with that teacher before making a final de-

PLANNING FOR SUCCESS

Earning College Credit while in High School:

Each high school has partnered with the local universities to provide opportunities for students to earn college credit while taking courses in high school. For a list of available courses, contact your high school administration or counselor.

Graduation Exercises

P6335 GRADUATION EXERCISES and SENIOR CONVOCATION

BOARD POLICY:

Section A: Each high school in Unified School District 259 shall hold graduation exercises to recognize those who have completed or who are within one credit of completing requirements of the Board of Education and the State of Kansas for a diploma from the Wichita Public Schools.

Administrative Implemental Procedures:

1. The date(s) for graduation and convocation activities shall be selected far enough in advance to assure the necessary reservation of facilities for the activities.
2. A student must have met all graduation requirements in order to participate in graduation exercises.
3. In the event of a catastrophic illness, injury, or event that impacted credit deficiency, which occurred during the student's senior year, and the student is within one credit of meeting all graduation requirements, the principal may approve participation in graduation exercises.
4. Any student, with principal approval as described in AIP 3, who participates in graduation exercises, must complete the one credit requirement by September 1st. A diploma will be issued when all requirements are met.
5. While student participation in graduation exercises is voluntary, class officers may be strongly encouraged to participate in the programs.
6. The majority cost of graduation exercises shall be paid directly by the Board of Education.
7. Graduation exercises shall be planned to involve Board of Education members' participation.

Section B: An inspirational senior convocation may be held prior to but as close as reasonable to the graduation exercises. The convocation may be conducted jointly with a number of schools participating in a single program or individually at each school. The determination of the program, selection of speakers, and format for the convocation shall be the responsibility of the building principals. Student attendance at convocation activities shall be voluntary.

Administrative Implemental Procedures:

8. Convocation. The Assistant Superintendent of Secondary Schools and high school principals shall determine if a joint convocation shall be held or if individual activities shall be conducted at each high school. The procedure for program planning and the selection of a speaker(s) at convocation activities may include student participation and consultation with outside agencies, but the final selection of a speaker(s) shall be made by the principals if individual convocation activities are held or by the involved principals if a joint convocation is conducted. Convocation activities may be planned to involve participation of BOE members.
9. An invocation, benediction, or other religious observance of any kind shall not be included and shall not be part of any district high school graduation exercise or ceremony that is held or sponsored by district high school.

Administrative Responsibility: Secondary Education Office

Latest Revision Date: November 2018

Previous Revision Date: February 2008 P6335

COURSE OFFERINGS

ENGLISH LANGUAGE ARTS

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
English 1	•				1.0	1211/1212	♦	♦
English 1 Honors	•				1.0	1213/1214	♦	♦
Accelerated English 1	•				1.0	1205/1206	♦	♦
Adapted English 1	•				1.0	1215/1216	♦	♦
English Skills 1	•				1.0	1915/1916		
English 2		•			1.0	1221/1222	♦	♦
English 2 Honors		•			1.0	1223/1224	♦	♦
Accelerated English 2		•			1.0	1219/1220	♦	♦
Adapted English 2		•			1.0	1225/1226	♦	♦
English Skills 2		•			1.0	1925/1926		
English 3			•		1.0	1231/1232	♦	♦
English 3 Honors			•		1.0	1233/1234	♦	♦
Accelerated English 3			•		1.0	1249/1250	♦	♦
Adapted English 3			•		1.0	1235/1236	♦	♦
English Skills 3			•		1.0	1935/1936		
AP Language			•		1.0	1161/1162	♦	♦
English 4				•	1.0	1561/1562	♦	♦
English 4 Honors				•	1.0	1153/1154	♦	♦
Adapted English 4				•	1.0	1245/1246	♦	♦
English Skills 4				•	1.0	1945/1946		
AP Literature				•	1.0	1201/1202	♦	♦
Modern Literature				•	0.5	1530	♦	♦
English Composition				•	0.5	1150	♦	♦
Creative Writing 1		•	•	•	0.5	1540	♦	♦
Creative Writing 2		•	•	•	0.5	1541	♦	♦
Humanities	•	•	•	•	0.5	1759	♦	
Multicultural Literature		•	•	•	0.5	1259	♦	
Women's Literature		•	•	•	0.5	1303	♦	
Film Studies			•	•	0.5	1305	♦	
Young Adult Literature	•	•	•	•	1.0	1257/1258	♦	
English Credit-Special Projects	-	-	-	-	-	1991/1992		

English I

1211/1212

Grade Level: 9

Two semesters—1.0 Credit

In this course, students will refine close reading, writing, speaking, and listening skills. They will write narrative, informative, explanatory, and argumentative essays for various tasks, audiences, and purposes. These writing pieces will include well-chosen and properly integrated support from texts. The class will provide multiple opportunities to read, comprehend, and write about multi-cultural literary and informational texts.

English I Honors

1213/1214

Grade Level: 9

Two semesters—1.0 Credit

In this course, students will complete designated standards for English 1 in greater depth with increasingly more complex literary and informational texts. Students will advance language skills through argument, informative, explanatory, and narrative writing and discussion. Depth, rigor, accelerated pacing, complexity, challenges and creativity beyond core will foster growth for advanced learners. Students should exhibit the interest, ability, and motivation to meet the challenges of an honors-level course.

ENGLISH LANGUAGE ARTS

Accelerated English I

1205/1206

Grade Level: 9

Two semesters—1.0 Credit

In this course, students who are gifted will advance their skills by using language, whether in reading, writing, or in oral presentation, with greater sophistication.

Adapted English I

1215/1216

Grade Level: 9

Two semesters—1.0 Credit

In this course, students will refine close reading, writing, speaking, and listening skills. They will write narrative, informative, explanatory, and argumentative essays for various tasks, audiences, and purposes. These writing pieces will include well-chosen and properly integrated support from texts. The class will provide multiple opportunities to read, comprehend, and write about multi-cultural literary and informational texts. This course uses individual's accommodations and modifications to allow students to access the general curriculum with specialized supports.

English Skills 1

1915/1916

Grade Level: 9

Two semesters—1.0 Credit

In this course, students will work on comprehension, reading fluency, writing, speaking, and listening skills. They will write narrative, informative, explanatory, and argumentative passages for various tasks, audiences, and purposes. These writing pieces will include well-chosen and properly integrated support from texts. The class will provide multiple opportunities to read, comprehend, and write about multi-cultural literary and informational texts at a reading level appropriate for the students enrolled in the class. This course uses individual's accommodations and modifications to allow students to access the general curriculum with specialized supports.

English 2

1221/1222

Grade Level: 10

Two semesters—1.0 Credit

Prerequisite: English 1

In this course, students will expand their application of close reading, writing, speaking, and listening skills. They will write well-organized narrative, informative, explanatory, and argumentative essays appropriate to task, purpose, and audience. Writings will center on analyzing complex literary and informational texts, incorporating textual evidence, and building increasingly more sophisticated writers and thinkers.

English 2 Honors

1223/1224

Grade Level: 10

Two semesters—1.0 Credit

Prerequisite: English 1

In this course, students will complete designated standards for English 2 in greater depth with increasingly more complex literary and informational texts. Through close reading, extensive argument, informative/explanatory and narrative writing along with discussion, students will expand language and analysis skills. Depth, rigor, accelerated pacing, complexity, challenges, and creativity beyond core will foster growth for advanced learners. Students should exhibit the interest, ability, and motivation to meet the challenges of an honors-level course.

Accelerated English 2

1219/1220

Grade Level: 10

Two semesters—1.0 Credit

Prerequisite: Accelerated English 1

In this course, students who are gifted will extend their use of language, literature, and computers with appropriately difficult pieces of literature and with greater rigor in writing and/or presentation.

Adapted English 2

1225/1226

Grade Level: 10

Two semesters—1.0 Credit

Prerequisite: Adapted English 1

In this course, students will expand their application of close reading, writing, speaking, and listening skills. They will write well-organized narrative, informative, explanatory, and argumentative essays appropriate to task, purpose, and audience. Writings will center on analyzing complex literary and informational texts, incorporating textual evidence, and building increasingly more sophisticated writers and thinkers. This course uses individual's accommodations and modifications to allow students to access the general curriculum with specialized supports.

English Skills 2

1925/1926

Grade Level: 10

Two semesters—1.0 Credit

In this course, students will expand their application of close reading, writing, speaking, and listening skills. They will write well-organized narrative, informative, explanatory, and argumentative essays appropriate to task, purpose, and audience. Texts chosen in this course will focus on modified materials at the enrolled students' reading level. This course uses individual's accommodations and modifications to allow students to access the general curriculum with specialized supports.

English 3

1231/1232

Grade Level: 11

Two semesters—1.0 Credit

Prerequisite: English 1 & 2

In this course, students will further cultivate close reading, writing, speaking, and listening skills by reading and responding to increasingly more difficult literary and informational text, as well as multi-media sources, to build independence and proficiency. They will produce clear and coherent narrative, informational/explanatory, and argumentative writing that effectively incorporates textual evidence for support.

English 3 Honors

1233/1234

Grade Level: 11

Two semesters—1.0 Credit

Prerequisite: English 1 & 2

In this course, students will complete designated standards for English 3 in greater depth with increasingly more complex literary and informational texts. Extensive writing and discussion opportunities will include argument, informative/explanatory, and narrative modes that incorporate textual evidence and deep analysis. Depth, rigor, accelerated pacing, complexity, challenges, and creativity beyond core will foster growth for advanced learners. Students should exhibit the interests, ability, and motivation to meet the challenges on an honors-level course.

Accelerated English 3

1249/1250

Grade Level: 11

Two semesters—1.0 Credit

Prerequisite: Accelerated English 1 & 2

In this course, students who are gifted will read difficult pieces of contemporary American literature and, using analysis and evaluation, will write and discuss.

ENGLISH LANGUAGE ARTS

Adapted English 3

1235/1236

Grade Level: 11

Two semesters—1.0 Credit

Prerequisite: Adapted English 1 & 2

In this course, students will expand their application of close reading, writing, speaking, and listening skills. They will write well-organized narrative, informative, explanatory, and argumentative essays appropriate to task, purpose, and audience. Writings will center on analyzing complex literary and informational texts, incorporating textual evidence, and building increasingly more sophisticated writers and thinkers. This course uses individual's accommodations and modifications to allow students to access the general curriculum with specialized supports.

English Skills 3

1935/1936

Grade Level: 11

Two semesters—1.0 Credit

In this course, students will further cultivate close reading, writing, speaking, and listening skills by reading and responding to increasingly more difficult literary and informational text, as well as multimedia sources, to build independence and proficiency. They will produce clear and coherent narrative, informational/explanatory, and argumentative writing that effectively incorporate textual evidence for support. Texts chosen in this course will focus on modified materials at the enrolled students' reading level. This course uses individual's accommodations and modifications to allow students to access the general curriculum with specialized supports.

AP Language

1161/1162

Grade Level: 11

Two semesters—1.0 Credit

AP Language requires students to become skilled readers of prose written in a variety of rhetorical contexts and skilled writers who compose for a variety of purposes. Both their reading and writing should make students aware of interactions among a writer's purposes, reader expectations, and an author's propositional content, as well as the genre conventions and the resources of language that contribute to effectiveness in writing. ***The score earned on a State Advanced Placement exam will have no bearing on the grade earned in an Advanced Placement class.***

English 4

1561/1562

Grade Level: 12

Two semesters—1.0 Credit

Prerequisite: English 1, 2, & 3

In this course, students will enhance reading, writing, verbal communication, and critical thinking skills essential for college, career, and life success. Students will read a variety of fiction/nonfiction from classical and contemporary texts. Students will also develop practical skills in technology, research, and communication in preparation to seek employment, apply for post-secondary education, and fulfill life goals.

English 4 Honors

1153/1154

Grade Level: 12

Two semesters—1.0 Credit

Prerequisite: English 1, 2, & 3

In this course, students will complete designated standards for English 4 in greater depth. Students will refine reading, writing, verbal communication, and critical thinking skills by reading increasingly more complex literary and informational texts, extensive writing in all modes, and formal discussion. During research and analysis, students will gather relevant evidence from various print and non-print sources and effectively incorporate and document sources for support. Depth, rigor, accelerated pacing, complexity, challenges, and creativity beyond core will foster growth for advanced learners. Students should exhibit the interests, ability, and motivation to meet the challenges on an honors-level course.

Adapted English 4

1245/1246

Grade Level: 12

Two semesters—1.0 Credit

Prerequisite: Adapted English 1, 2, & 3

In this course, students will enhance reading, writing, verbal communication, and critical thinking skills essential for post-secondary training, career, and life success. Students will read a variety of fiction/nonfiction from classical and contemporary texts. Students will also develop practical skills in technology, research, and communication in preparation to seek employment, apply for post-secondary transition, and fulfill life goals. This course uses individual's accommodations and modifications to allow students to access the general curriculum with specialized supports.

English Skills 4

1945/1946

Grade Level: 12

Two semesters—1.0 Credit

In this course, students will enhance reading, writing, verbal communication, and critical thinking skills essential for college, career, and life success. Students will read a variety of fiction/nonfiction from classical and contemporary texts. Students will also develop practical skills in technology, research, and communication in preparation to seek employment, apply for post-secondary transition, and fulfill life goals. Texts chosen in this course will focus on modified materials at the enrolled students' reading level. This course uses individual's accommodations and modifications to allow students to access the general curriculum with specialized supports.

AP Literature

1201/1202

Grade Level: 12

Two semesters—1.0 Credit

AP Literature engages students in the careful reading and critical analysis of imaginative literature. Through the close reading of selected texts, students deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. As they read, students consider a work's structure, style and themes, as well as literary elements such as figurative language, imagery, symbolism, and tone. ***The score earned on a State Advanced Placement exam will have no bearing on the grade earned in an Advanced Placement class.***

Modern Literature

1530

Grade Level: 12

One semester—0.5 Credit

Prerequisite: English 1, 2, & 3

In this course, students will follow standards for English Language Arts 11-12 to refine reading, writing, verbal communication, and critical thinking skills. Extensive writing practice (argument, informative/explanatory, and narrative) and formal discussion will center on analyzing modern and contemporary literary and informational texts. Students will practice clear, communication of ideas, both written and spoken. During short, focused literary analysis, students will gather relevant evidence and effectively incorporate and document sources. Close reading, process writing, speaking, and listening assignments will center on historical, social, cultural, and political implications within modern literature.

ENGLISH LANGUAGE ARTS

English Composition 1150

Grade Level: 12
One semester—0.5 Credit
Prerequisite: English 1, 2, & 3

In this course, students will follow expectations set by standards for English Language Arts 11-12. Through focus on process writing for argument, informative/explanatory, and narrative, students will hone skills in organization, sentence and paragraph structure, grammar and mechanics, style, vocabulary development, research, and analysis of both information and literary texts. Students will write routinely over extended time frames and shorter time frames for a range of tasks, purposes, and audiences. Teacher, self, and peer review will provide focused feedback for planning, revising, editing, rewriting, or trying new approaches to refine verbal and written communication.

Creative Writing 1 1540

Grade Level: 10, 11, 12
One semester—0.5 Credit
Prerequisite: English 1

In this course, students will develop creative talents in writing essays, articles, poetry, short stories, and drama with emphasis on writing good, short pieces.

Creative Writing 2 1541

Grade Level: 10, 11, 12
One semester—0.5 Credit
Prerequisite: Creative Writing 1

In this course, students will develop creative talents in writing essays, articles, poetry, short stories, and drama with emphasis on one-act plays.

Humanities 1759

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit

Humanities is a survey course studying culture and what it means to be human. Students will be introduced to some art and music history, philosophy and comparative religion. The class will offer students an introduction to concepts they may wish to further pursue independently or in college.
Only offered at Heights.

Multicultural Literature 1259

Grade Level: 10, 11, 12
One semester—0.5 Credit
Prerequisite: English I

This course will examine a multitude of cultures through literature. Cultures that could be included but are not limited to are: African, Chinese, Japanese, Vietnamese, Indian, Mexican, Latin American, etc. There will also be research into each country and key facets of their population, economy, arts, religion, and other cultural factors.

Women's Literature 1303

Grade Level: 10, 11, 12
One semester—0.5 Credit
Prerequisite: English 1

This course will discuss key concepts, stereotypes, and cultural biases as found in the literature. We will also discuss issues facing women today and how literature reflects this. This class will explore women's literature through a variety of genres and mediums, such as novels, plays, poetry, and speeches.

Film Studies 1305

Grade Level: 11, 12
One semester—0.5 Credit
Prerequisite: English 1 & 2

This class would be for upperclassmen who have passed English 1 and English 2. Each semester of film studies centers around a theme, genre, or particular director, incorporating a variety of styles of film. By changing the focus, we allow script, acting, directing, lighting, mood, tone, and other artistic and literary elements. Each semester would culminate in a student film project allowing them to put what they learned into practice.
Only offered at Heights

Young Adult Literature 1257/1258

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This course is a survey contemporary young adult literature written by diverse authors. The genres of Fantasy, Autobiography, Historical Fiction, Realistic Fiction, and Fan Fiction will be explored. Students will become familiar with authors from a variety of ethnic backgrounds as they explore themes connected to popular culture through each genre.
Only offered at Northwest.

English Credit-Special Projects 1991/1992

The project and amount of credit will be approved by Learning Services prior to student beginning course.

COMMUNICATIONS—DEBATE, FORENSICS, SPEECH

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Debate 1	•	•	•	•	0.5	1011	♦	♦
Debate 2		•	•	•	0.5	1020	♦	♦
Debate 3			•	•	0.5	1030	♦	♦
Debate 4				•	0.5	1031	♦	♦
Forensics 1	•	•	•	•	0.5	1251	♦	♦
Forensics 2		•	•	•	0.5	1252	♦	♦
Forensics 3			•	•	0.5	1253	♦	♦
Forensics 4				•	0.5	1254	♦	♦
Speech 1	•	•	•	•	0.5	1731	♦	♦
Speech 2	•	•	•	•	0.5	1732	♦	♦

Debate 1 1011

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit (First Semester Only)

In this course, students will develop skills in systematic and logical habits of thinking, practice in preparing briefs, using research techniques, argumentative speaking, and refutation through frequent classroom speeches and debates. With the approval of the instructor, first-year debate students may participate in interscholastic competition as novice debaters as governed by KSHAA.

Debate 2 1020

Grade Level: 10, 11, 12

One semester—0.5 Credit (First Semester Only) Prerequisite: Debate 1

In this course, students will continue to develop skills in systematic and logical habits of thinking, practice in preparing briefs, using research techniques, argumentative speaking, and refutation through frequent classroom speeches and debates. Debate 2 students may participate in interscholastic competition as novice debaters as governed by KSHAA.

Debate 3 1030

Grade Level: 11, 12

One semester—0.5 Credit (First Semester Only) Prerequisite: Debate 1, 2

In this course, students will develop advanced skills in systematic and logical habits of thinking, practice in preparing briefs, using research techniques, argumentative speaking, and refutation through frequent classroom speeches and debates. With approval of the instructor, Debate 3 students may participate in interscholastic competition as novice debaters as governed by KSHAA.

Debate 4 1031

Grade Level: 12

One semester—0.5 Credit (First Semester Only) Prerequisite: Debate 1, 2, 3

In this course, students will continue to develop and refine advanced skills in systematic and logical habits of thinking, researching, and argumentative speaking and refutation through extensive competition both in the classroom and at tournament competition. Original research and advanced analytical thinking will be stressed the Debate 4 level. Students will participate in interscholastic competition as experienced debaters as governed by KSHAA.

Speech 1 1731

Grade Level: 9, 10, 11, 12 One semester—0.5 Credit

Students learn the fundamentals of public speaking. Units include conversations, individualized reading, parliamentary procedure, discussion, and the organization of material for formal speeches. Speaking before real and assumed audiences is stressed.

Forensics 1 1251

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit (Second Semester Only)

In this course, students will learn fundamentals of competitive speaking in oration, dramatics, duet, oral interpretation, and informative and extemporaneous speaking. Students may participate in interscholastic competition as governed by KSHAA. This course counts as a Fine Arts credit.

Forensics 2 1252

Grade Level: 10, 11, 12

One semester—0.5 Credit (Second Semester Only) Prerequisite: Forensics 1

This course emphasizes advanced competitive speaking in oration, dramatics, duet, oral interpretation, and informative and extemporaneous speaking. Students may participate in interscholastic competition as governed by KSHAA. This course counts as a Fine Arts credit.

Forensics 3 1253

Grade Level: 11, 12

One semester—0.5 Credit (Second Semester Only) Prerequisite: Forensics 1, 2

This course emphasizes advanced competitive speaking in oration, dramatics, duet, oral interpretation, and informative and extemporaneous speaking. Students may participate in interscholastic competition as governed by KSHAA. This course counts as a Fine Arts credit.

Forensics 4 1254

Grade Level: 12

One semester—0.5 Credit (Second Semester Only)

Prerequisite: Forensics 1, 2, 3

This course continues to emphasize advanced competitive speaking in oration, dramatics, duet, oral interpretation, and informative and extemporaneous speaking. Students may participate in interscholastic competition. This course counts as a Fine Arts credit.

Speech 2 1732

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit Prerequisite: Speech 1

In this course, students continue to learn the fundamentals of public speaking.

ELA INTERVENTIONS

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Literacy Intervention .5	•	•	•	•	.5	9537		
Literacy Intervention .25	•	•	•	•	.25	9539		

Intervention courses are provided to support students in achieving mastery of the grade level standards. All intervention courses are taken concurrently with core English courses.

Literacy Intervention .5

9537

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit Co-requisite: Core English Course

Data indicates students are below target and need additional instruction in one or more of the following skills: comprehension, fluency and accuracy. Curriculum includes System 44 for accuracy, Read 180 for fluency and comprehension. This course may be repeated for credit. **This course is used when scheduled during the regular school day.**

Literacy Intervention .25

9539

Grade Level: 9, 10, 11, 12

One semester—.25 Credit Co-requisite: Core English Course

Data indicates students are below target and need additional instruction in one or more of the following skills: comprehension, fluency and accuracy. Curriculum includes System 44 for accuracy and Read 180 for fluency and comprehension. This course may be repeated for credit. **This course is used when scheduled during advocacy.**

ESOL COURSES (English for Speakers of Other Languages)

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
English Language Development A	•	•	•	•	1.0	1103/1104		
English Language Development B	•	•	•	•	1.0	1105/1106		
English Literacy A	•	•	•	•	1.0	1143/1144		
English Literacy B	•	•	•	•	1.0	1159/1160		
ESOL Algebra I	•	•	•	•	1.0	2323/2324	•	
ESOL Foundations of Algebra	•	•	•	•	1.0	2017/2018	•	
ESOL Content Extension	•	•	•	•	1.0	6061/6062		
ESOL English 1	•	•	•	•	1.0	1178/1179	•	
ESOL English 1 Lab	•	•	•	•	1.0	9270/9271		
ESOL English 2	•	•	•	•	1.0	1188/1189	•	
ESOL English 2 Lab	•	•	•	•	1.0	9272/9273		
ESOL Language Extension 1	•	•	•	•	1.0	1174/1175		
ESOL Language Extension 2	•	•	•	•	1.0	1198/1199		
ESOL Life Science	•	•	•	•	1.0	4213/4214	•	
ESOL Scientific Research & Design	•	•	•	•	1.0	4113/4114	•	
ESOL Literacy .13	•	•	•	•	0.13	1207		
ESOL Literacy .12	•	•	•	•	0.12	1208		
ESOL Literacy .25	•	•	•	•	0.25	1200/1240		
ESOL Literacy .50	•	•	•	•	0.50	1209/1210		
ESOL Math	•	•	•	•	1.0	2321/2322		
ESOL Math Lab	•	•	•	•	1.0	9274/9275		
ESOL Multimedia	•	•	•	•	1.0	1176/1177		
ESOL Numeracy .13	•	•	•	•	0.13	2329		
ESOL Numeracy .12	•	•	•	•	0.12	2330		
ESOL Numeracy .25	•	•	•	•	0.25	2353/2354		
ESOL Numeracy .50	•	•	•	•	0.50	2365/2366		
ESOL Science	•	•	•	•	1.0	4221/4222	•	
ESOL Social Studies	•	•	•	•	0.50	3272/3273	•	
ESOL World History	•	•	•	•	0.50	3467/3468	•	

English Language Development A

1103/1104

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit Co-requisite: English Language Development B

This course is designed for students with adequate formal education in L1, but beginning, early, or intermediate proficiency in English, to build upon literacy skills in L1 in developing proficiency in reading, writing, listening, and speaking in English. Counts as ELA credit.

English Language Development B

1105/1106

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit Co-requisite: English Language Development A

This course is taken concurrently with English Language Development A for extended practice in reading, writing, listening and speaking in English for students with adequate formal education in L1 and beginning or early intermediate English proficiency. Counts as ELA credit.

English Literacy A

1143/1144

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit Co-requisite: English Literacy B

This course is designed for students with limited or no formal education and beginning proficiency in English to develop basic literacy skills in reading, writing, listening, and speaking English. Counts as repeatable, elective credit.

English Literacy B

1159/1160

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit Co-requisite: English Literacy A

This course is taken concurrently with English Literacy A for extended practice in reading, writing, listening, and speaking English for students with limited or no formal education in L1 and beginning English proficiency. Counts as repeatable, elective credit.

ESOL Algebra 1

2323/2324

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Math 8

This course is designed for students whose native language is not English. Students in this course will use algebraic tools to represent problem situations. They will gain an understanding of functions and their multiple representations. Emphasis will be placed on developing a solid understanding of rate change. Students will model and solve situations with linear, exponential, quadratic functions, and related equations. Students will also learn data analysis tools. This course counts for Algebra 1 credit.

ESOL COURSES (English for Speakers of Other Languages)

ESOL Foundations of Algebra 2017/2018

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Students in this course will receive cohesive, targeted supports and interventions to prepare them for Algebra 1. Students will receive instruction on Number Sense Ratios, Evaluations Expressions Order of Operations, Solving Equations, Interpreting Graphs, Linear Functions and Graphs, Introduction to Quadratics and Polynomials. At the end of the school year, students will have covered prerequisite and grade level standards.

ESOL Content Extension 6061/6062

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This is a course for students with beginning, early intermediate, or intermediate English proficiency levels and need additional support for content courses in mainstream or sheltered classes. Counts as an elective credit.

ESOL English 1 1178/1179

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit Co-requisite: ESOL English 1 Lab

This English language development class is aligned with High School Reading and Writing Standards and the District English 1 scope and sequence to provide language arts and English language instruction for students at early intermediate or intermediate English proficiency levels who have been in the US for a limited time. Taken concurrently with ESOL English 1 Lab, counts as English 1 replacement credit.

ESOL English 1 Lab 9270/9271

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit Co-requisite: ESOL English 1

This course is taken concurrently with ESOL English 1 to provide extended opportunity for practice in reading, writing, listening, and speaking English. Counts as an elective credit.

ESOL English 2 1188/1189

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit Co-requisite: ESOL English 2 Lab

This English language development class is aligned with High School Reading and Writing Standards and the District English 2 scope and sequence to provide language arts and English language instruction for students at early intermediate or intermediate English proficiency levels who have been in the US for a limited time. Taken concurrently with ESOL English 2 Lab, counts as English 2 replacement credit.

ESOL English 2 Lab 9272/9273

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit Co-requisite: ESOL English 2

This course is taken concurrently with ESOL English 2 to provide extended opportunity for practice in reading, writing, listening, and speaking English. Counts as an elective credit.

ESOL Language Extension 1 1174/1175

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This course is for students new to the US and with beginning or early intermediate proficiency in English who need targeted, specific, Tier 2 support in literacy skills in English: reading, writing, listening, or speaking. Counts as an elective credit.

ESOL Language Extension 2 1198/1199

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This course is for students developing, expanding, or bridging proficiency in English, who have been in the US schools 3 or more years, and need targeted, specific, Tier 2 support in literacy skills in English: reading, writing, listening, or speaking. Counts as an elective credit.

ESOL Life Science 4213/4214

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This intermediate level Science course is designed for the student whose native language is not English. Students will study selected topics from the life sciences with an emphasis on practical applications to the health and care of the human body.

ESOL Scientific Research & Design 4113/4114

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

In this course, students conceive of, design, and complete a project using scientific inquiry and experimentation methodologies. Emphasis is typically placed on safety issues, research protocols, controlling, or manipulation of variables, data analysis, and a coherent display of the project and its outcome(s).

ESOL Literacy and Numeracy

Grade Level: 9, 10, 11, 12
ESOL Literacy and Numeracy courses are taken in place of Advocacy to focus on language development needs.

ESOL Literacy .13	1207
ESOL Literacy .12	1208
ESOL Literacy 0.25	1200/1240
ESOL Literacy 0.50	1209/1210
ESOL Numeracy .13	2329
ESOL Numeracy .12	2330
ESOL Numeracy 0.25	2353/2354
ESOL Numeracy 0.50	2365/2366

ESOL Math 2321/2322

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This beginning level Math course is designed for the student whose native language is not English and who has beginning or early intermediate proficiency in English. Students will study basic mathematical operations as well as math terminology. Counts as repeatable, elective credit.

ESOL Math Lab 9274/9275

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit Co-requisite: ESOL Math

This course may be used to extend a variety of learning opportunities for students needing additional support in math. Counts as an elective credit.

ESOL COURSES (English for Speakers of Other Languages)

ESOL Multimedia

1176/1177

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

This is a computer-assisted language learning environment for students with beginning or early intermediate English language proficiency to learn English and gain basic understanding of keyboarding, and technology used in core high school courses. Counts as repeatable, elective credit.

ESOL Science

4221/4222

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

This beginning course is designed for the student whose native language is not English, who has beginning or early intermediate proficiency in English. Students study topics from life sciences, with practical applications that address 21st Century skills. Counts as repeatable, elective credit.

ESOL Social Studies

3272/3273

Grade Level: 9, 10, 11, 12

One semester— 0.5 Credit

For students with beginning or early intermediate reading, writing, listening, and speaking English skills while learning vocabulary and important concepts in geography, world, and US history and government to preparing students for mainstream social studies courses. Counts as repeatable, elective credit.

ESOL World History

3467/3468

Grade Level: 9, 10, 11, 12

One semester— 0.5 Credit

Students will take at least one semester of World History as part of the 3 social studies units required for graduation. To prepare for the state assessment in social studies, a full year of World History is recommended. Course emphasis is placed on gaining historical perspective and applying good reading and writing skills in the study of world history from the Renaissance to the present. Students learn to compare and contrast cultures and religions by applying the social, political, geographic, and economic tools of the historian. This course will satisfy the World Studies requirement.

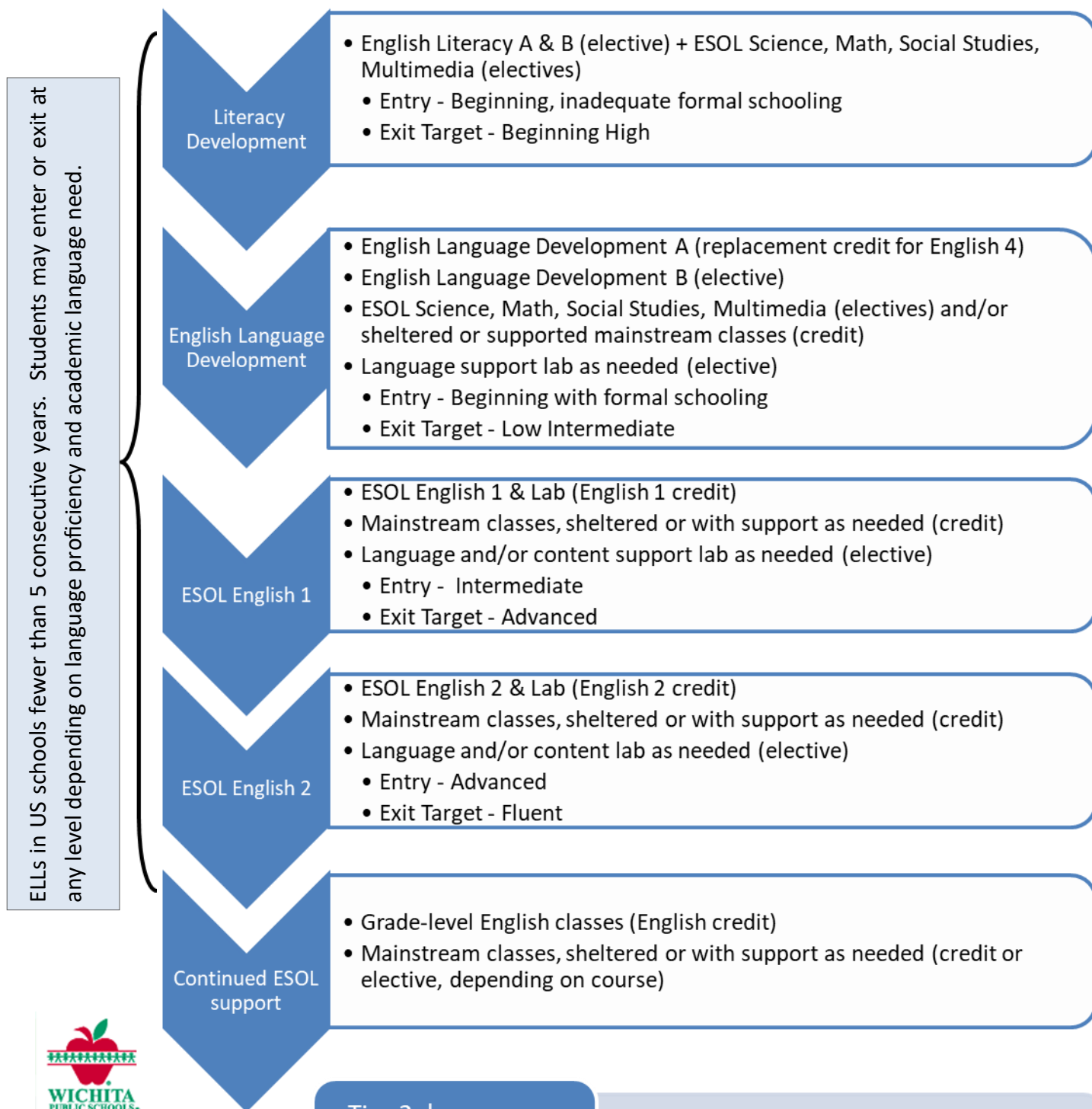
ESOL COURSES (English for Speakers of Other Languages)

Newcomer Suggested Course Sequence for ELA and Math			
ELA - 4 Credits	Course	Credit	
Freshman	English Literacy A & B (for students with limited literacy skills only)	1.0	Elective
	or		
	English Language Development A	1.0	ELA
	English Language Development B	1.0	Elective
	or		
	ESOL ELA 1	1.0	ELA
Sophomore	with lab (taken during advocacy)	1.0	Elective
	English Language Development A	1.0	ELA
	with English Language Development B	1.0	Elective
	or		
	ESOL ELA 1	1.0	ELA
	With lab (taken during advocacy)	1.0	Elective
Junior	or		
	ESOL ELA 2	1.0	ELA
	with lab (taken during advocacy)	1.0	Elective
	ESOL ELA 2	1.0	ELA
	with ESOL Literacy 0.5 (taken during advocacy)	1.0	Elective
	or		
Senior	English 3	1.0	ELA
	with ESOL Literacy 0.5 (taken during advocacy)	1.0	Elective
	or		
	English 4	1.0	ELA
	with ESOL Literacy 0.5 (taken during advocacy)	1.0	Elective
Math - 3 Credits	Course	Credit	
Freshman	ESOL Math	1.0	Elective
	with ESOL Numeracy 0.5 (taken during advocacy)	1.0	Elective
	or		
	ESOL Foundations of Algebra	1.0	Math
Sophomore	with ESOL Numeracy 0.5 (taken during advocacy)	1.0	Elective
	or		
	ESOL Algebra 1	1.0	Math
	with ESOL Numeracy 0.5 (taken during advocacy)	1.0	Elective
Junior	ESOL Algebra 1	1.0	Math
	with ESOL Numeracy 0.5 (taken during advocacy)	1.0	Elective
	or		
	Algebra1 or Geometry	1.0	Math
Senior	with ESOL Numeracy 0.5 (taken during advocacy)	1.0	Elective
	Algebra 1, Geometry, Intermediate Algebra, or Math Apps	1.0	Math
	with ESOL Numeracy 0.5 (taken during advocacy)	1.0	Elective
	or		
	Algebra 2, Geometry, Intermediate Algebra, or Math Apps	1.0	Math
	with ESOL Numeracy 0.5 (taken during advocacy)	1.0	Elective
*Students may be enrolled in either Literacy or Numeracy courses for advocacy based on needs.			

ESOL COURSES (English for Speakers of Other Languages)

Newcomer Suggested Course Sequence for Science and Social Studies			
Science = 3 Credits	Course	Credit	
Freshman/Sophomore	ESOL Science	1.0	Elective
	or		
	ESOL Scientific Research & Design or ESOL Life Science	1.0	Science
Junior/Senior	ESOL Scientific Research & Design, ESOL Life Science, Physical Science, Biology, or any 4000#	1.0	Science
Social Studies = 3 Credits	Course	Credit	
Freshman	ESOL Social Studies (take first semester)	0.5	Elective
	(Course # 3468) ESOL World History (take 2nd semester)	0.5	SS
Sophomore	U.S. History 1	1.0	SS
Junior	U.S. History 2	1.0	SS
Senior	Government	.5	SS
*Students may be enrolled in either Literacy or Numeracy courses for advocacy based on needs.			

HIGH SCHOOL ESOL COURSE SEQUENCE



USD259,
ESOL Instructional Services
Dunbar Service Center
923 Cleveland, Wichita KS
67214
316 866-8000

Tier 2, language or
content support lab
as needed

- ESOL Language Extension (elective)
- ESOL Content Extension (elective)

Tier 3,
Intensive
Intervention

- Reading and Writing 1, 2, & 3 (English replacement credit, not QA)
- More than 3 years in US schools
- Entry- reading at least 4 years below grade level, placement according to diagnostic test

MATHEMATICS

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Foundations in Algebra	•				1.0	2015/2016		
Algebra I	•	•	•	•	1.0	2111/2112	♦	♦
Algebra I Tier 2 Math Lab	•	•	•	•	1.0	9145/9146		
Adapted Algebra I	•	•	•	•	1.0	2169/2170	♦	♦
Geometry	•	•	•	•	1.0	2421/2422	♦	♦
Geometry Lab		•	•	•	1.0	9257/9258		
Adapted Geometry	•	•	•	•	1.0	2409/2410	♦	♦
Adapted Intermediate Algebra			•	•	1.0	2171/2172		
Intermediate Algebra			•	•	1.0	2143/2144	♦	
Algebra II	•	•	•	•	1.0	2121/2122	♦	♦
Algebra II Honors	•	•	•	•	1.0	2135/2136	♦	♦
Functions, Statistics, Trigonometry		•	•	•	1.0	2813/2814	♦	♦
Precalculus/Trigonometry			•	•	1.0	2151/2152	♦	♦
Algebra III			•	•	1.0	2021/2022	♦	♦
AP Statistics			•	•	1.0	2238/2239	♦	♦
AP Calculus 1			•	•	1.0	2248/2249	♦	♦
AP Calculus 2				•	1.0	2253/2254	♦	♦
Math Applications				•	1.0	2154/2155		
Adapted Math Applications			•	•	1.0	2403/2404		
Math Credit	-	-	-	-	-	2991/2992		
Algebra I Skills	•				1.0	2901/2902		
Geometry Skills		•			1.0	2903/2904		
Intermediate Algebra Skills			•		1.0	2905/2906		
Math Applications Skills			•	•	1.0	2907/2908		
Tier 2 Math Intervention	•	•	•	•	1.0	9233/9234		

Foundations in Algebra

2015/2016

Grade Level: 9

Two semesters—1.0 Credit

This is a freshman only course designed for students who need additional support before taking Algebra 1. Students in this course will receive cohesive, targeted supports and interventions to prepare them for success in Algebra 1 the following year. Students will receive instruction on Number Sense & Ratios, Evaluating Expressions & Order of Operations, Solving Equations, Interpreting Graphs, Linear Functions & Graphs, and Introduction to Quadratics & Polynomials. At the end of the school year, students will have covered prerequisite and grade level standards.

Algebra I

2111/2112

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Math 8

Students will learn to use algebraic tools to represent problem situations. They will gain an understanding of functions and their multiple representations. Emphasis will be placed on developing a solid understanding of rate of change. Students will model and solve important problems with linear, exponential, and quadratic functions and related equations. Students will also learn data analysis tools.

Algebra I Tier 2 Math Lab

9145/9146

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Math 8 Co-requisite: Algebra I

This course must be taken in conjunction with Algebra I. Students in this course will receive targeted support and interventions in order to be successful in Algebra I. Students will begin the school year working to improve skills required for success in Algebra I. As the year progresses, they will blend Algebra I content with the pre-requisite skills necessary for success. This course will cover the same Algebra I content as the other Algebra I courses. Counts as an elective credit.

Adapted Algebra I

2169/2170

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Students will learn to use algebraic tools to represent problem situations. They will gain an understanding of functions and their multiple representations. Emphasis is placed on developing a solid understanding of rate of change. Students will model and solve problems with linear, exponential, and quadratic functions and related equations. They will also learn to use data analysis tools. This course uses individual's accommodations and modifications to allow students to access the general curriculum with specialized support.

MATHEMATICS

Geometry 2421/2422

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Prerequisite: Algebra I (for single block course)

In this course, students will develop the tools of geometry including transformations, proof, and constructions. They will formalize geometric relationships involving angles, lines, triangles, quadrilaterals, and circles. Students will also learn to solve geometric modeling problems and analyze characteristics of three-dimensional shapes, including plane sections and solids of revolution. Throughout the course, students focus on developing logical arguments and use geometry to model their world.

Geometry Lab 9257/9258

Grade Level: 10, 11, 12
Two semesters—1.0 Credit Co-requisite: Geometry

The goals of this course are to support students in Geometry by providing intervention support for Numbers and Operations, Algebraic Thinking, and Geometry domains. Students will increase their conceptual understanding and procedural fluency of Algebra I skills and work to be prepared for success in Algebra II.

Adapted Geometry 2409/2410

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Adapted Algebra I

In this course, students will develop the tools of geometry including transformations, proofs, and constructions. They will formalize geometric relationships involving angles, lines, triangles, quadrilaterals, and circles. Students will also learn to solve geometric modeling problems and analyze characteristics of three-dimensional shapes, including plane sections and solids of revolution. Throughout the course, students focus on developing logical arguments and using geometry to model their world. This course uses individual's accommodations and modifications to allow students to access the general curriculum with specialized support.

Adapted Intermediate Algebra 2171/2172

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Adapted Algebra I

Topics covered include: linear functions, quadratic functions, exponential functions, systems of equations, and polynomials. This course uses individual's accommodations and modifications to allow students to access the general curriculum with specialized support.

Intermediate Algebra 2143/2144

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Geometry

This course is designed to prepare students for success in Algebra 2. Topics covered include: linear functions, quadratic functions, exponential functions, systems of equations, and polynomials. It is expected that students will follow this course with Algebra 2. This course will be adapted to meet the individual students needs. **Note** This course does not meet the requirements for Board of Regents QA/NCAA core credit.

Algebra II 2121/2122

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Geometry

Students will continue to study concepts introduced in Algebra I and Geometry such as linear functions, exponential functions, and quadratic function. Students will learn about additional function families by identifying key features using multiple representations, average rate of change, and interpreting domain and range. The function families studied will include square root, cube root, piece-wise defined, polynomial logarithmic, rational, and inverse functions. Topics also include: rational exponents, arithmetic with rational expressions, arithmetic with polynomial expressions, function composition and transformation, and the complex number system.

Algebra II Honors 2135/2136

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Algebra I Co-requisite: Geometry

This course is an advanced fast-paced course designed to prepare students for the eventual study of Calculus (This course is followed by Pre-Calculus/Trigonometry). This course studies the same function families as Algebra II, but includes the following additional topics: arithmetic and geometric series, trig functions, conic sections, statistical inferences and normal distribution.

Functions, Statistics, & Trigonometry 2813/2814

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Algebra II

Statistical concepts integrated with graphical and algebraic concepts through the construction of mathematical models of relationships in data sets will be the focus of this course. Models include linear, quadratic, higher order polynomial, exponential, logarithmic, and trigonometric functions.

Precalculus/Trigonometry 2151/2152

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Algebra II/Honors Algebra II

Students will extend the concepts of Algebra II to include theories of functions, systems of equations, matrices, exponential and logarithmic functions, trigonometric equations, and trigonometric applications.

Algebra III 2021/2022

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Algebra II

Algebra III reviews and extends 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.

MATHEMATICS

AP Statistics 2238/2239

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Algebra II

Students will study methods of gathering and interpreting data. Applications of statistics to business, social sciences, games and health are explored. Mathematics skills will be reinforced and tools of technology will be used to analyze data, probability, simulation, and statistical inference.

AP Calculus 1 2248/2249

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Precalculus/Trigonometry

University level topics of limits, differentiation and integration of algebraic, trigonometric, exponential and logarithmic functions and their applications will be the focus of instruction. Course content and examination will follow the guidelines of the College Entrance Examination Board and the Advance Placement Program.

AP Calculus 2 2253/2254

Grade Level: 12
Two semesters—1.0 Credit
Prerequisite: AP Calculus 1

Students will continue the study of calculus at a more advanced level. Requirements for the BC form of the Advanced Placement test will be met.

Math Applications 2154/2155

Grade Level: 12
Two semesters—1.0 Credit

Math Applications has a focus on the application of algebra and geometry concepts. Students will apply concepts and skills learned in those courses to a wide variety of contexts. This course will provide students with an additional option for their third math credit.

Math Credit 2991/2992

May be used for students coming into district from another district and have taken a math course not offered in USD 259.

Adapted Math Applications 2403/2404

Grade Level: 11, 12
Two semesters—1.0 Credit

Math Applications focuses on the application of algebra and geometry concepts. Students will apply concepts and skills learned in those courses to a wide variety of contexts. This course uses individual's accommodations and modifications to allow students to access the general curriculum with specialized support. This course will provide students with an additional option for their third math credit.

Algebra I Skills 2901/2902

Grade Level: 9
Two semesters—1.0 Credit

Students will learn to use algebraic tools to represent problem situations. They will gain an understanding of functions and their multiple representations. Emphasis will be placed on developing a solid understanding of rate of change. Students will model and solve important problems with linear, exponential, and quadratic functions and related equations. Students will also learn data analysis tools. Students in this course will receive accommodations and modifications in order to access the general curriculum. Depth and pace of instruction may be modified to meet individual student needs.

Geometry Skills 2903/2904

Grade Level 10
Two semesters—1.0 Credit

In this course, students will develop the tools of geometry including transformations, proofs, and constructions. They will formalize geometric relationships involving angles, lines, triangles, quadrilaterals, and circles. Students will also learn to solve geometric modeling problems and analyze characteristics of three-dimensional shapes, including plane sections and solids of revolution. Throughout the course, students focus on developing logical arguments and using geometry to model their world. Students in this course will receive accommodations and modifications in order to access the general curriculum. Depth and pace of instruction may be modified to meet individual student needs.

Intermediate Algebra Skills 2905/2906

Grade Level: 11
Two semesters—1.0 Credit

Topics covered include: linear functions, quadratic functions, exponential functions, systems of equations, and polynomials. Students in this course will receive accommodations and modifications in order to access the general curriculum. Depth and pace of instruction may be modified to meet individual student needs.

Math Applications Skills 2907/2908

Grade Level: 11, 12
Two semesters—1.0 Credit

Math Applications focuses on the application of algebra and geometry concepts. Students will apply concepts and skills learned in those courses to a wide variety of contexts. Students in this course will receive accommodations and modifications in order to access the general curriculum. Depth and pace of instruction may be modified to meet individual student needs. This course will provide students with an additional option for their third math credit.

Tier 2 Math Intervention 9233/9234

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit
Must be concurrently enrolled in a Core Math Course

This course is designed to provide extended instructional time as a Tier 2 math intervention for students enrolled in any higher level mathematics course beyond Geometry. Students must be concurrently enrolled in one of the following courses: Intermediate Algebra, Algebra II, Precalculus/Trigonometry, or any other advanced mathematics course. It will be utilized for individual and group work to enhance development of concepts related to students' current mathematics course. Consortium credit will be awarded at the completion of the course.

SCIENCE

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Biology 1	•	•	•	•	1.0	4251/4252	♦	♦
Adapted Biology	•	•	•	•	1.0	4955/4956	♦	♦
Honors Biology	•	•	•	•	1.0	4253/4254	♦	♦
AP Biology			•	•	1.0	4248/4249	♦	♦
Earth/Space Science			•	•	1.0	4361/4362	♦	♦
Honors Earth/Space Science			•	•	1.0	4363/4364	♦	♦
Chemistry 1		•	•	•	1.0	4321/4322	♦	♦
Honors Chemistry		•	•	•	1.0	4323/4324	♦	♦
AP Chemistry			•	•	1.0	4331/4332	♦	♦
Physics		•	•	•	1.0	4801/4802	♦	♦
Honors Physics		•	•	•	1.0	4783/4784	♦	♦
AP Physics 1	•	•	•	•	1.0	4803/4804	♦	♦
AP Physics 2		•	•	•	1.0	4899/4900	♦	♦
AP Physics C: Electricity & Magnetism		•	•	•	1.0	4787/4788	♦	♦
AP Physics C: Mechanics		•	•	•	1.0	4785/4786	♦	♦
Forensic Science			•	•	1.0	4401/4402	♦	♦
Forensic Science (CTE funded)			•	•	1.0	4401F/4402F	♦	♦
Honors Forensic Science			•	•	1.0	4403/4404	♦	♦
Honors Forensic Science (CTE)			•	•	1.0	4403T/4404T	♦	♦
Honors Forensic Science (CTE funded)			•	•	1.0	4403F/4404F	♦	♦
Global and Environmental Studies		•	•	•	1.0	4827/4828	♦	♦
Adapted Global and Environmental Studies		•	•	•	1.0	4799/4800	♦	♦
AP Environmental Science			•	•	1.0	4847/4848	♦	♦
Honors Global and Environmental Studies		•	•	•	1.0	4001/4002	♦	♦
Anatomy and Physiology		•	•	•	1.0	4821/4822	♦	♦
Anatomy and Physiology (CTE)		•	•	•	1.0	4821L/4822L	♦	♦
Anatomy and Physiology (CTE funded)	•	•	•	•	1.0	4821F/4822F	♦	♦
Human Body Structures/Functions		•	•	•	1.0	4367/4368	♦	♦
Adapted Human Body Structures/Functions		•	•	•	1.0	4943/4944	♦	♦
Astronomy		•	•	•	0.5	4100	♦	♦
Botany		•	•	•	1.0	4271/4272	♦	♦
Field Ecology			•	•	1.0	4961/4962	♦	♦
Geology		•	•	•	0.5	4500	♦	♦
Physical Science	•	•	•	•	1.0	4365/4366	♦	♦
Adaptive Physical Science		•	•	•	1.0	4131/4132	♦	♦
Honors Physical Science	•	•	•	•	1.0	4129/4130	♦	♦
Zoology		•	•	•	1.0	4951/4952	♦	♦
Scientific Research & Design Skills	•				1.0	4937/4938		
Physical Science Skills		•			1.0	4939/4940		
Human Body Structures & Functions Skills			•		1.0	4941/4942		
Special Projects			-	-	-	4991/4992		
Scientific Research and Design	•	•	•	•	1.0	4833/4834	♦	♦
Adapted Scientific Research and Design	•	•	•	•	1.0	4133/4134	♦	♦

SCIENCE

Earth/Space Science

4361/4362

Grade Level: 11, 12
Two semesters—1.0 Credit

Earth Science offers insight into the environment on Earth and the Earth's environment in space. Students in this laboratory-oriented survey course study selected topics from the sciences of astronomy, geology, meteorology, and oceanography. Students will utilize science and engineering practices and the cross cutting concepts to study the disciplinary core ideas found in the Next Generation Science Standards.

Honors Earth/Space Science

4363/4364

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

This course is designed for students who prefer a more rigorous course. Students who enroll should be self-motivated, task-oriented, and persistent. Earth Science offers insight into the environment on Earth and the Earth's environment in space. Students in this laboratory-oriented survey course study selected topics from the sciences of astronomy, geology, meteorology, and oceanography. Students will utilize science and engineering practices and the cross cutting concepts to study the disciplinary core ideas.

Biology 1

4251/4252

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Biology provides information regarding the fundamental concepts of life and life processes. Students will study a variety of topics including structure and function of organisms, ecosystems, heredity, and evolution. Students will utilize science and engineering practices and the cross cutting concepts to study the disciplinary core ideas found in the Next Generation Standards.

Adapted Biology

4955/4956

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Biology provides information regarding the fundamental concepts of life and life processes. Students will study a variety of topics including structure and function of organisms, ecosystems, heredity, and evolution. Students will utilize science and engineering practices and the cross cutting concepts to study the disciplinary core ideas found in the Next Generation Standards. Students in this course will receive accommodations and modifications in order to access the general curriculum.

Honors Biology

4253/4254

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This course is designed for students who prefer a more rigorous presentation of Biology. Students who enroll should be self-motivated, task-oriented, and persistent. Students will be expected to perform in the laboratory with a high level of accuracy and should be able to assist in the design of experiments. Laboratory write ups will be required for each activity. Biology provides information regarding the fundamental concepts of life and life processes. Students will utilize science and engineering practices and the cross cutting concepts to study the disciplinary core ideas found in the Next Generation Science Standards.

AP Biology

4248/4249

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Passing grade in Biology or Honors Biology

This course is equivalent to the first-year college biology course. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement Biology program. **The score earned on Advanced Placement exams will have no bearing on the grade earned in an Advanced Placement class.**

Chemistry 1

4321/4322

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Algebra I

This course involves studying the composition, properties, and reactions of substances. Topics include atomic structure, chemical bonding, chemical reactions, chemical formulas, acids and bases, and nuclear reactions. Classwork is supplemented by extensive laboratory work. Students will utilize science and engineering practices and the cross cutting concepts to study the disciplinary core ideas found in the Next Generation Science Standards.

Honors Chemistry

4323/4324

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Algebra I

This course is designed for students who prefer a more rigorous presentation of chemistry. Students who enroll should be self-motivated, task-oriented, and persistent. This course involves studying the composition, properties, and reactions of substances. Topics include atomic structure, chemical bonding, chemical reactions, chemical formulas, acids and bases, and nuclear reactions. Classwork is supplemented by extensive laboratory work. Students will utilize science and engineering practices and the cross cutting concepts to study the disciplinary core ideas found in the Next Generation Science Standards.

AP Chemistry

4331/4332

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Passing grade in Chemistry or Honors Chemistry

This course is equivalent to the first-year college chemistry course. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement Chemistry program. **The score earned on an Advanced Placement exam will have no bearing on the grade earned in an Advanced Placement class.**

Physics

4801/4802

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Algebra I

This course will cover forces and laws of nature affecting matter such as equilibrium, momentum, and relationships between matter and energy. Sound, lights, magnetic and electric phenomenon will all be studied. Students will utilize science and engineering practices and the cross cutting concepts to study the disciplinary core ideas found in the Next Generation Standards.

Honors Physics

4783/4784

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Algebra I

This course is a more rigorous study of physics. Students who enroll should be self-motivated, task-oriented, and persistent. Students will be expected to perform higher level math when solving physics problems. This course will cover forces and laws of nature affecting matter such as equilibrium, momentum, and relationships between matter and energy. Sound, lights, magnetic and electric phenomenon will all be studied.

SCIENCE

AP Physics 1 4803/4804

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit Recommended Prerequisite: Algebra I

This course is equivalent to the first-year college physics course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, power; mechanical waves and sound; and an introduction to electric circuits. **The score earned on Advanced Placement exams will have no bearing on the grade earned in an Advanced Placement class.**

AP Physics 2 4899/4900

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: AP Physics 1

This course is equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics, thermodynamics, electricity and magnetism, optics, atomic and nuclear physics. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement Physics program. **The score earned on Advanced Placement exams will have no bearing on the grade earned in an Advanced Placement class.**

AP Physics C: Electricity and Magnetism 4787/4788

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: AP Calculus or concurrent enrollment in AP Calculus

This course is equivalent to a semester college course in calculus-based physics and is a partial foundation for science and engineering majors. The course covers electrostatics; conductors, capacitors and dielectrics; electric circuits; magnetic fields; and electromagnetism. This course is more intensive and analytical than AP Physics and requires the use of calculus to solve the problems posed. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement Physics program. **The score earned on Advanced Placement exams will have no bearing on the grade earned in an Advanced Placement class.**

AP Physics C: Mechanics 4785/4786

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: AP Calculus or concurrent enrollment in AP Calculus

This course is equivalent to a semester college course in calculus-based physics and is a partial foundation for science and engineering majors. The course covers kinematics, Newton's laws of motion, work, energy and power: systems of particles and linear momentum; circular motion and rotation; oscillations and gravitation. This course is more intensive and analytical than AP Physics and requires the use of calculus to solve the problems posed. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement Physics program. **The score earned on Advanced Placement exams will have no bearing on the grade earned in an Advanced Placement class.**

Forensic Science 4401/4402

Forensic Science (CTE Funded) 4401F/4402F

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Passing grade in Biology and Chemistry

This is an application level course that follows a background in biology and chemistry and provides students with knowledge and skills needed to pursue postsecondary training in LPSS careers requiring Forensic Science (i.e. Forensic Anthropology, Forensic Medicine, Medical Examiner). Students will utilize science and engineering practices and the cross cutting concepts to study the disciplinary core ideas found in the Next Generation Standards.

Honors Forensic Science 4403/4404

Honors Forensic Science (CTE)

4403T/4404T

Honors Forensic Science (CTE Funded)

4403F/4404F

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Passing grade in Biology and Chemistry

This course is designed for students who prefer a more rigorous presentation of Forensic Science. Students who enroll should be self-motivated, task-oriented, and persistent. This is an application level course that follows a background in biology and chemistry and provides students with knowledge and skills needed to pursue postsecondary training in LPSS careers requiring Forensic Science (i.e. Forensic Anthropology, Forensic Medicine, Medical Examiner). Students will utilize science and engineering practices and the cross cutting concepts to study the disciplinary core ideas found in the Next Generation Standards.

AP Environmental Science 4847/4848

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Passing grade in Biology

This course is designed to be the equivalent of a one semester, introductory college course in environmental science. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement Physics program. **The score earned on Advanced Placement exams will have no bearing on the grade earned in an Advanced Placement class.**

Global and Environmental Studies 4827/4828

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

This course examines the mutual relationships between organisms and their environment with emphasis on the interrelationships among plants, animals, humans, and the environment. It is a study of how individuals and societies utilize resources and the influence in their attempts to satisfy human wants. Students will utilize science and engineering practices and the cross cutting concepts to study the disciplinary core ideas found in the Next Generation Standards.

Adapted Global and Environmental Studies 4799/4800

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

This course examines the mutual relationships between organisms and their environment with emphasis on the interrelationships among plants, animals, humans, and the environment. It is a study of how individuals and societies utilize resources and the influence in their attempts to satisfy human wants. Students will utilize science and engineering practices and the cross cutting concepts to study the disciplinary core ideas found in the Next Generation Standards. Students in this course will receive accommodations and modifications in order to access the general curriculum.

Honors Global and Environmental Studies 4001/4002

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Passing grade in Biology

This course is designed for students who prefer a more rigorous presentation of Global and Environmental Studies. Students who enroll should be self-motivated, task-oriented, and persistent. This course examines the mutual relationships between organisms and their environment with emphasis on the interrelationships among plants, animals, humans, and the environment. It is a study of how individuals and societies utilize resources and the influence in their attempts to satisfy human wants. Students will utilize science and engineering practices and the cross cutting concepts to study the disciplinary core ideas found in the Next Generation Standards.

SCIENCE

Anatomy and Physiology	4821/4822
Anatomy and Physiology (CTE)	4821L/4822L
Anatomy and Physiology (CTE Funded)	4821F/4822F

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Passing grade in Biology

This course presents the human body and biological systems in more detail. In order to understand the structure of the human body and its functions, students learn anatomical terminology, study cells and tissues, explore functional systems (skeletal, muscular, circulatory, respiratory, digestive, reproductive, nervous, and more). Students may dissect mammals in this course.

Human Body Structures & Functions	4367/4368
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Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Passing grade in Biology

Human Body Structures & Functions will give students a solid base of information regarding organ systems, body process and common diseases. In addition to knowledge, students will gain practical application skills involving the health and care of the human body.

Adapted Human Body Structures & Functions	4943/4944
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Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Passing grade in Adapted Biology or Biology

Adapted Human Body Structures & Functions will give students a solid base of information regarding organ systems, body process and common diseases. In addition to knowledge, students will gain practical application skills involving the health and care of the human body. The course also requires individual reading, writing, and research to allow students to develop a broader understanding of their specified health career. Students in this course will receive accommodations and modifications in order to access the general curriculum.

Astronomy	4100
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Grade Level: 11, 12
One semester—0.5 Credit

In this course, students learn about the solar system, stars, galaxies, and interstellar bodies. Effects of these special bodies on Earth and tides, time, latitudes, longitudes, and eclipses will be studied as well. Students will utilize science and engineering practices and the cross cutting concepts to study the disciplinary core ideas found in the Next Generation Standards.

Botany	4271/4272
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Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Passing grade in Biology

In this course, students learn about living plants, their life cycles, and their evolutionary relationships. Students will utilize science and engineering practices and the cross cutting concepts to study the disciplinary core ideas found in the Next Generation Standards.

Field Ecology	4961/4962
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Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Passing grade in Biology

This course is designed to give students the ability to identify and study organisms in their natural environments. Students will conduct individual and group investigations in Entomology (insects), Ornithology (birds), Water Studies, Behavior Biology and Ecology. Special emphasis will be placed on Kansas ecosystems and students should be prepared to take field trips to gather data at local study sites. Collections and summary papers are required for all topics. Students need to be self-motivated and organized because several topics and projects will be studied at the same time.

Geology	4500
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Grade Level: 10, 11, 12
One semester—0.5 Credit

This course provides an in-depth study of the forces that formed and continue to affect the Earth's surface. Topics included are earthquakes, volcanoes, erosion, rocks, minerals, geological processes, and rock identification. Students will utilize science and engineering practices and the cross cutting concepts to study the disciplinary core ideas found in the Next Generation Standards.

Physical Science	4365/4366
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Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This course is designed for all students to meet the physical science standards found in the KCCRS for Science (NGSS). Students will study topics in both physics and chemistry including structures and states of matter, energy, waves, electromagnetism, and physical/chemical interactions. The course may also provide a foundation for further study into physics, chemistry, and earth-space science. Students with passing grades in any Chemistry or Physics class are not to be enrolled in this course.

Adaptive Physical Science	4131/4132
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Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This course is designed for all students to meet the physical science standards found in the KCCRS for Science (NGSS). Students will study topics in both physics and chemistry including structures and states of matter, energy, waves, electromagnetism, and physical/chemical interactions. Students in this course will receive accommodations and modifications in order to access the general curriculum.

Honors Physical Science	4129/4130
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Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This course is designed for students who prefer a more rigorous presentation of Physical Science. Students who enroll should be self-motivated, task-oriented, and persistent. The course will meet the physical science standards found in the KCCRS for Science (NGSS). Students will study topics in both physics and chemistry including structures of matter, energy, waves, electromagnetism, and physical/chemical interactions.

Zoology	4951/4952
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Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Passing grade in Biology

In this course, students make comparative studies of animals, the niche they occupy in their environment or habitat, their life cycles, and their evolutionary relationship to other organisms. Students should also develop an awareness and understanding of biotic communities.

Scientific Research & Design Skills	4937/4938
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Grade Level: 9
Two semesters—1.0 Credit

In this course, students concentrate on the Science and Engineering Practices required in all science courses and for science research projects. Emphasis is placed on Planning and Carrying Out Investigations, Analyzing and Interpreting Data, and Engaging in Argument From Evidence. Students in this course will receive accommodations and modifications in order to access the general curriculum. Depth and pace of instruction may be modified to meet individual student needs.

SCIENCE

Physical Science Skills

4939/4940

Grade Level: 10

Two semesters—1.0 Credit

This course is designed for all students to meet the physical science standards found in the KCCRS for Science (NGSS). Students will study topics in both physics and chemistry including structures and states of matter, energy, waves, electromagnetism, and physical/chemical interactions. Students in this course will receive accommodations and modifications in order to access the general curriculum. Depth and pace of instruction may be modified to meet individual student needs.

Human Body Structures & Functions Skills

4941/4942

Grade Level: 11

Two semesters—1.0 Credit

Human Body Structures & Functions will give students a solid base of information regarding organ systems, body process and common diseases. In addition to knowledge, students will gain practical application skills involving the health and care of the human body. Students in this course will receive accommodations and modifications in order to access the curriculum. Depth and pace of instruction may be modified to meet individual student needs.

Special Projects

4991/4992

Grade Level: 11, 12

Projects and amount of credit will be approved by the Department of Learning Services prior to enrollment.

Scientific Research and Design

4833/4834

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

In this course, students concentrate on the Science and Engineering Practices required in all science courses and for science research projects. Emphasis is placed on Planning and Carrying Out Investigations, Analyzing and Interpreting Data, and Engaging in Argument From Evidence.

Adapted Scientific Research and Design

4133/4134

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

In this course, students concentrate on the Science and Engineering Practices required in all science courses and for science research projects. Emphasis is placed on Planning and Carrying Out Investigations, Analyzing and Interpreting Data, and Engaging in Argument From Evidence. This course uses adapted curriculum to support students with special needs.

SOCIAL STUDIES

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
World History	•				1.0	3451/3452	♦	♦
Adapted World History	•				1.0	3455/3456	♦	♦
Honors World History	•				1.0	3453/3454	♦	♦
United States History 1		•			1.0	3361/3362	♦	♦
Adapted United States History 1		•			1.0	3365/3366	♦	♦
Accelerated United States History 1		•			1.0	3371/3372	♦	♦
Honors United States History 1		•			1.0	3363/3364	♦	♦
United States History 2			•	•	1.0	3641/3642	♦	♦
Adapted United States History 2			•	•	1.0	3645/3646	♦	♦
Accelerated United States History 2			•	•	1.0	3655/3656	♦	♦
Honors United States History 2			•	•	1.0	3643/3644	♦	♦
AP United States History 2			•	•	1.0	3647/3648	♦	♦
United States Government				•	0.5	3350	♦	♦
United States Government Extended Course				•	1.0	3351/3352	♦	♦
Adapted United States Government				•	0.5	3355	♦	♦
Honors United States Government				•	0.5	3359	♦	♦
AP United States Government				•	0.5	3353	♦	♦
AP United States Government Extended			•	•	1.0	3353/3354	♦	♦
Psychology			•	•	0.5	3700	♦	♦
Honors Psychology			•	•	0.5	3705	♦	♦
AP Psychology			•	•	0.5	3712	♦	♦
AP Psychology Extended Course			•	•	1.0	3712/3713	♦	♦
Economics				•	0.5	3200	♦	♦
AP Economics			•	•	1.0	3203/3204	♦	♦
Adapted Current Events	•	•	•	•	0.5	3135		♦
World Geography	•	•	•	•	0.5	3307/3308	♦	♦
Adapted World Geography	•	•	•	•	0.5	3315	♦	♦
African American History	•	•	•	•	0.5	3621	♦	♦
American Women in History	•	•	•	•	0.5	3903	♦	♦
Anthropology			•	•	0.5	3050	♦	♦
AP Modern European History	•	•	•	•	1.0	3403/3404	♦	♦
Exploring Social Justice			•	•	1.0	3985/3986		♦
International Relations			•	•	0.5	3600	♦	♦
Social Studies Credit—Special Projects	-	-	-	-	-	3991/3992		
Sociology			•	•	0.5	3800	♦	♦
U.S. Ethnic Studies	•	•	•	•	0.5	3462	♦	
World Study Skills	•				1.0	3935/3936		
United States History Skills 1		•			1.0	3915/3916	♦	
United States History Skills 2			•	•	1.0	3925/3926	♦	
Government Skills				•	1.0	3945/3946		

SOCIAL STUDIES

World History

3451/3452

Grade Level: 9

Two semesters—1.0 Credit

Students will take at least one semester of World History as part of the 3 social studies units required for graduation. To prepare for the state assessment in social studies, a full year of World History is recommended. Course emphasis is placed on gaining historical perspective and applying good reading and writing skills in the study of world history from the Renaissance to the present. Students learn to compare and contrast cultures and religions by applying the social, political, geographic, and economic tools of the historian.

Adapted World History

3455/3456

Grade Level: 9

Two semesters—1.0 Credit

In this course students will study the period of world history from the Renaissance to present. Students learn to compare and contrast cultures and religions by applying the social, political, geographic, and economic tools of the historian. Course emphasis is placed on gaining historical perspective and applying good reading and writing skills in the study of world history. Students in this course will receive accommodations and modifications in order to access the general education curriculum.

Honors World History

3453/3454

Grade Level: 9

Two semesters—1.0 Credit

Students will take at least one semester of World History as part of the 3 social studies units required for graduation. To prepare for the state assessment in social studies, a full year of World History is recommended. Course emphasis is placed on gaining historical perspective and applying good reading and writing skills in the study of world history from the Renaissance to the present. Students learn to compare and contrast cultures and religions by applying the social, political, geographic, and economic tools of the historian. Students are required to read in-depth and respond to open-ended questioning requiring research and investigation into historical topics and issues. This course will satisfy the World Studies requirement.

United States History 1

3361/3362

Grade Level: 10

Two semesters—1.0 Credit

In this required course, students will study the period of American history from Reconstruction through the Roaring Twenties, including issues of the Nineteenth Century as they impacted the issues and events of the Twentieth Century.

Adapted United States History 1

3365/3366

Grade Level: 10

Two semesters—1.0 Credit

In this course students will study the period of American history from Reconstruction through the Roaring Twenties, including issues of the nineteenth century as they impacted the issues and events of the twentieth century. Emphasis will be placed on post civil war Reconstruction, the Gilded Era, Progressives, the rise of Industrialization, Immigration, World War I, and the Roaring Twenties. Students in this course will receive accommodations and modifications in order to access the general education curriculum.

Accelerated United States History 1

3371/3372

Grade Level: 10

Two semesters—1.0 Credit

This course is designed for students who are gifted and want to move faster and in more depth than the regular United States History 1 course. The course includes frequent writing assignments, additional readings on special topics and assessments of various historical interpretations. The course covers Reconstruction through the Roaring Twenties and goes beyond the scope of the objectives of the regular course to include in-depth study of selected American issues.

Honors United States History 1

3363/3364

Grade Level: 10

Two semesters—1.0 Credit

This course includes frequent writing assignments, additional readings on special topics and assessments of various historical interpretations. The course covers Reconstruction through the Roaring Twenties and goes beyond the scope of the objectives of the regular course to include in-depth study of selected American issues. The study of government will be integrated throughout the course.

United States History 2

3641/3642

Grade Level: 11, 12

Two semesters—1.0 Credit

This required course is a continuation of United States History 1. The scope of the course is from the Great Depression to the present. The study of economic concepts will be integrated throughout the course. Course emphasis is placed upon World War II and its aftermath, the Cold War, the struggle for Civil Rights, the changing American society, the rise of technology, and major political issues.

Adapted United States History 2

3645/3646

Grade Level: 11, 12

Two semesters—1.0 Credit

In this course, which is a continuation of United States History 1, students will study from the Great Depression to the present. Emphasis is placed on World War II and its aftermath, the Cold War, Civil Rights movement, changing American society, the rise of technology, political issues, as well as economic concepts. Students in this course will receive accommodations and modifications in order to access the general education curriculum.

Accelerated United States History 2

3655/3656

Grade Level: 11, 12

Two semesters—1.0 Credit

This course uses an accelerated curriculum to support students who are gifted. The scope of the course is from the Great Depression to the present. The study of economic concepts will be integrated throughout the course. Course emphasis is placed upon World War II and its aftermath, the Cold War, the struggle for Civil Rights, the changing American society, the rise of technology, and major political issues.

Honors United States History 2

3643/3644

Grade Level: 11, 12

Two semesters—1.0 Credit

This course uses an accelerated curriculum to support students who want to dig deeper into the issues and events. The scope of the course is from the Great Depression to the present. The study of economic concepts will be integrated throughout the course with additional readings on special topics and assessments of various historical interpretations. Teaching and evaluation will be at a level comparable to a college survey history course.

SOCIAL STUDIES

AP United States History 2

3647/3648

Grade Level: 11,12
Two semesters—1.0 Credit

The focus of this Advanced Placement United States History course provides specific, directed preparation for the AP U.S. History exam. Requirements and assignments are expanded beyond the Honors United States History course. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement United States History program. The expectation is that students will take the AP exam. ***The score earned on an Advanced Placement exam will have no bearing on the grade earned in an Advanced Placement class.***

United States Government

3350

Grade Level: 12
One semester—0.5 Credit

Students in this required semester course will focus on the federal level of the American political system.

United States Government Extended

3351/3352

Grade Level: 12
Two semesters—1.0 Credit

The two semester United States Government “Extended” course begins with a focus on the foundational topics and concepts of the federal level of the American political system presented in the one semester United States Government course. This extended course takes the foundational curriculum and goes deeper into the content and important topics that make up our unique system of government. Time is taken to explore in more depth our state and local government structures and functions. Finally, units of other topics are also explored. The extended course encompasses more advanced reading, essay writing, and rigorous classroom work and testing.

Adapted United States Government

3355

Grade Level: 12
One semester—0.5 Credit

In this course students will study the Federal level of the American political system. Items of focus include the Constitution and the branches of government as well as their purpose and function. Students in this course will receive accommodations and modifications in order to access the general education curriculum.

Honors United States Government

3359

Grade Level: 12
One semester—0.5 Credit

The content of this semester course is the same as the United States Government but with an expanded range of resources, expectations and outcomes that will present a more challenging curriculum for students who choose to enroll in the course.

AP United States Government

3353

Grade Level: 12
One semester—0.5 Credit

Students in this course will focus on the federal level of the American political system. The range of resources will be expanded to accommodate higher levels of instruction such as would be encountered in an entry-level college course. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement United States Government program. The expectation is that students will take the AP exam as a course outcome. ***The score earned on an Advanced Placement exam will have no bearing on the grade earned in an Advanced Placement class.***

AP United States Government Extended Course

3353/3354

Grade Level: 11, 12
Two semesters—1.0 Credit

Students in this course will focus on the federal level of the American political system. The range of resources will be expanded to accommodate higher levels of instruction such as would be encountered in an entry-level college course. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement United States Government program. The expectation is that students will take the AP exam as a course outcome. ***Students in this course enroll for two semesters. The score earned on an Advanced Placement exam will have no bearing on the grade earned in an Advanced Placement class.***

Psychology

3700

Grade Level: 11, 12
One semester—0.5 Credit

In this course, students will study the mind, consciousness, and behavior. Students will learn and apply basic theories of psychology, study the nervous system, psychobiology, perception, and personality. Emphasis will be placed on the importance of the experimental method in relation to the study of psychology. Students will write and perform approved experiments in social perception.

Honors Psychology

3705

Grade Level: 11, 12
One semester—0.5 Credit
Prerequisite: 3.0 or higher GPA

Honors Psychology offers students the experience to learn psychological concepts, understand the discipline and profession of psychology with an emphasis on cultural application, and focus on research methodology. Future psychology majors will be prepared for further study in the discipline, while non-majors will gain an understanding applicable to their future. As a result, students will be able to analyze the complexities of human behavior to in turn enhance their own self-awareness and appreciation.

AP Psychology

3712

Grade Level: 11, 12
One semester—0.5 Credit

In this course, students will study the mind, consciousness, and behavior. Students will learn and apply basic theories of psychology, study the nervous system, psychobiology, perception, and personality. Emphasis will be placed on the importance of the experimental method in relation to the study of psychology. Students will write and perform approved experiments in social perception. The content of this course will follow the guidelines of the College Entrance Examination Board and the Advanced Placement Psychology program. The expectation is that students will take the AP exam as a course outcome. ***The score earned on an Advanced Placement exam will have no bearing on the grade earned in an Advanced Placement class.***

AP Psychology Extended Course

3712/3713

Grade Level: 11, 12
One semester—1.0 Credit

In this course, students will study the mind, consciousness, and behavior. Students will learn and apply basic theories of psychology, study the nervous system, psychobiology, perception, and personality. Emphasis will be placed on the importance of the experimental method in relation to the study of psychology. Students will write and perform approved experiments in social perception. The content of this course will follow the guidelines of the College Entrance Examination Board and the Advanced Placement Psychology program. The expectation is that students will take the AP exam as a course outcome. ***Students in this course enroll for two semesters. The score earned on an Advanced Placement exam will have no bearing on the grade earned in an Advanced Placement class.***

SOCIAL STUDIES

Economics

3200

Grade Level: 12

One semester—0.5 Credit

In this course, students will study conditions and laws which affect the production, distribution, and consumption of wealth. Elements include prices, supply and demand, market structure, monetary and fiscal policy, economic fluctuations, and basic economic problems with an emphasis on learning and applying tools of economic analysis.

AP Economics

3203/3204

Grade Level: 11, 12

Two semesters—1.0 Credit

In this course, students will study conditions and laws which affect the production, distribution, and consumption of wealth. Elements include prices, supply and demand, market structure, monetary and fiscal policy, economic fluctuations, and basic economic problems with an emphasis on learning and applying tools of economic analysis. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement United States Government program. The expectation is that students will take the AP exam as a course outcome. ***The score earned on an Advanced Placement exam will have no bearing on the grade earned in an Advanced Placement class.***

Adapted Current Events

3135

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

Students in this course will read newspapers, magazines, books, maps, and pamphlets and consult electronic media for the purpose of developing critical standards for judging and interpreting news facts and news sources. Emphasis will be placed on appreciation and analysis of national and international events. Decision-making skills will be utilized in news analysis. An adapted curriculum strand will be used to support students with special needs.

World Geography

3307/3308

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

Students will study the relationship between people and the land. They will learn about the Earth's physical features and how culture is influenced by physical environment. Throughout the course the five fundamental themes of geography will be emphasized: location, place, human-environment interactions, movement, and regions. This course will satisfy the World Studies requirement.

Adapted World Geography

3315

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

An adapted curriculum strand will be used to support students with special needs in this course. Students will study the relationship between people and the land. They will learn about the Earth's physical features and how culture is influenced by physical environment. Throughout the course the five fundamental themes of geography will be emphasized: location, place, human-environment interactions, movement, and regions. This course will satisfy the World Studies requirement.

African American History

3621

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

This course uses the historical method to highlight important achievements of African people throughout history. The course begins with study of early civilizations and the role of people as they contributed to societies past and present. African Humanities also allows time for students to do research and projects that examine the current situation of African Americans.

American Women in History

3903

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

This course examines the role of the American woman within the context of our country's past. An emphasis is placed on the study of private life in the U.S. as opposed to public life. Specific issues such as health, education, religion, poverty, and family life are a focus as well as gender specific experiences such as women's work, the fight for suffrage, the Age of Association and the feminist movement.

Anthropology

3050

Grade Level: 11, 12

One semester—0.5 Credit

In this course, students will study the areas of human origin: physical character; distribution, classification, and relationships of races; social and environmental elements; and culture. Students will learn to use an established anthropological method as it is used in the fields of cultural and physical anthropology.

AP Modern European History

3403/3404

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

This course is designed to meet the needs of serious history students who wish to study modern European history in depth. Content includes the history of Europe from the Renaissance to the present with emphasis on the global nature of historical events, and political, economic and social issues. Students should have demonstrated high level reading/writing skills, strong analytical skills and an ability to work with a minimum of teacher supervision. Requirements include a major research assignment, additional readings and a minimum of 3 major essay assignments per grading period. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement United States Government program. The expectation is that students will take the AP exam as a course outcome. ***The score earned on an Advanced Placement exam will have no bearing on the grade earned in an Advanced Placement class.***

Exploring Social Justice

3985/3986

Grade Level: 11, 12

Two semesters—1.0 Credit

Students will be presented with the ability to understand and analyze struggles and inequities associated with ability, age, gender, sexuality, racism, ethnicity and class. This course may be repeated for credit.

International Relations

3600

Grade Level: 11, 12

One semester—0.5 Credit

Students in this course will study issues of international concern with an emphasis on the posture of the United States in the world community. Students will analyze current forces and trends which contribute to the climate of international politics. This course will satisfy the World Studies requirement.

SOCIAL STUDIES

Social Studies Credit—Special Projects

3991/3992

Grade Level: 9, 10, 11, 12

Projects and amount of credit will be approved by the Department of Learning Services prior to enrollment.

Sociology

3800

Grade Level: 11, 12

One semester—0.5 Credit

In this course, students will study the forms, functions and institutions of human groups. Special emphasis will be placed on the studies of family relationships, and of contributory factors of improving relationships between individuals and groups.

U.S. Ethnic Studies

3462

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

This course emphasized the perspectives of minority groups while allowing students from all backgrounds to better understand and appreciate how race, culture and ethnicity, and identity contribute to their experiences. Major topics in this course include identity, immigration, assimilation and distinctiveness, power and oppression, struggles for rights, regionalism, culture and the media, and the formation of new cultures. In online discussions and polls, students reflect critically on their own experiences as well as those of others. Interactive multimedia activities include personal and historical accounts to which students can respond using methods of inquiry from history, sociology, and psychology. Written assignments and journals provide opportunities for students to practice and develop skills for thinking and communicating about race, culture, ethnicity, and identity.

World Study Skills

3935/3936

Grade Level: 9

Two semesters—1.0 Credit

In this course students will study the period of world history from the Renaissance to present. Students learn to compare and contrast cultures and religions by applying the social, political, geographic, and economic tools of the historian. Course emphasis is placed on gaining historical perspective and applying good reading and writing skills in the study of world history. Students in this course will receive accommodations and modifications in order to access the general curriculum. Depth and pace of instruction may be modified to meet individual student needs.

United States History Skills 1

3915/3916

Grade Level: 10

Two semesters—1.0 Credit

In this course students will study the period of American history from Reconstruction through the Roaring Twenties, including issues of the nineteenth century as they impacted the issues and events of the twentieth century. Emphasis will be placed on post civil war Reconstruction, the Gilded Era, Progressives, the rise of Industrialization, Immigration, World War I, and the Roaring Twenties. Students in this course will receive accommodations and modifications in order to access the general education curriculum. Depth and pace of instruction may be modified to meet individual student needs.

United States History Skills 2

3925/3926

Grade Level: 11, 12

Two semesters—1.0 Credit

In this course, which is a continuation of United States History 1, students will study from the Great Depression to the present. Emphasis is placed on World War II and its aftermath, the Cold War, Civil Rights movement, changing American society, the rise of technology, political issues, as well as economic concepts. Students in this course will receive accommodations and modifications in order to access the general education curriculum. Depth and pace of instruction may be modified to meet individual student needs.

Government Skills

3945/3946

Grade Level: 12

Two semesters—1.0 Credit

In this course students will study the Federal level of the American political system. Items of focus include the Constitution and the branches of government as well as their purpose and function. Students in this course will receive accommodations and modifications in order to access the general education curriculum.

PHYSICAL EDUCATION

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum
	9	10	11	12			
Advanced Weight Training and Conditioning		•	•	•	1.0	8753/8754	
Aerobics and Fitness		•	•	•	1.0	9203/9204	
Aquatics		•	•	•	1.0	9205/9206	
Lifetime Sports		•	•	•	1.0	9207/9208	
Modified Physical Education	•	•	•	•	1.0	9201/9202	
Officiating Sports	•	•	•	•	1.0	8751/8752	
Personal and Public Health		•	•	•	0.5	9229	
Physical Education & Health Foundations	•	•	•	•	1.0	8748/8749	
Special Performing Groups	•	•	•	•	0.5	9175	
Weight Training and Conditioning		•	•	•	1.0	9213/9214	
Dance 1	•	•	•	•	1.0	4085/4086	
Dance 2	•	•	•	•	1.0	4087/4088	

Advanced Weight Training and Conditioning 8753/8754

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: PE Foundations

Reinforces the proper guideline, principles and techniques of weight lifting, and the development of muscular strength, endurance and power at an advanced level. Introduced Olympic lifting techniques. Continues development of individual weight training programs and advanced evaluation techniques.

Modified Physical Education 9201/9202

Grade Level: 9, 10, 11, 12
Two semester—1.0 Credit
Prerequisite: Doctor's Authorization, or may be offered at buildings with limited facilities

This class provides physical education instruction and support to students who have special needs. The curriculum is modified and/or adapted to meet each student's individual goals.

Aerobics and Fitness 9203/9204

Grade Level: 10, 11, 12
Two semester—1.0 Credit
Prerequisite: Physical Education & Health Foundations

An elective activity class in which the emphasis is on physical conditioning. The exercises may include aerobic dance, flexibility, jog/walking, fitness measurement, and weight training as per class decision. This course may be repeated for credit.

Aquatics 9205/9206

Grade Level: 10, 11, 12
Two semester—1.0 Credit
Prerequisite: Physical Education & Health Foundations

An elective activity class in which the emphasis is on aquatic activities. May include any or all of the following: swim skills, water aerobics, basic water safety, water sports, First Aid, CPR and Lifeguard Training. This course may be repeated for credit.

Lifetime Sports 9207/9208

Grade Level: 10, 11, 12
Two semester—1.0 Credit
Prerequisite: Physical Education & Health Foundations

In this course, students will actively participate in skill development, lead-up games and lifetime sports with an emphasis on individual and dual activities. May include but is not limited to the following activities as per class decision: tennis, aerobics, archery, badminton, bowling, fencing, Frisbee, golf, handball, jogging, racquetball, shuffleboard, softball, swimming, table tennis, volleyball, weight training, basketball, hockey, flag football, soccer, and/or speedball. This course may be repeated for credit.

Officiating Sports 8751/8752

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: PE Foundations and Teacher Approval

This course will teach students the knowledge and skills needed to officiate a variety of sports. There is a key component to this course that will also allow students to take the officials test for specific sports and become KSHSAA Restrictive Officials. This will provide students the opportunity to work at middle school games or even non-KSHSAA events such as club level sports. Students could also support non-varsity high school games (Freshman, C, JV level) as line judges, score keepers, clock operators, etc.

Personal and Public Health 9229

Grade Level: 10, 11, 12
One semester—0.5 Credit

This class provides opportunities for students to acquire the knowledge and skills necessary to value and practice a healthy lifestyle. Areas of emphasis include foundations for health, personal health and nutrition, substance abuse, family life and sexuality, and health and social responsibility.

PHYSICAL EDUCATION

Physical Education & Health Foundations

8748/8749

Grade Level: 9, 10, 11, 12

Two semester—1.0 Credit

This required course provides opportunities for students to acquire the knowledge and skills needed to engage in a physically active, healthy lifestyle throughout life. Three areas of focus in the course are: 1) health related fitness, 2) lifetime physical activity, and 3) health/wellness concepts and skills. The intended outcomes of the course are that students will be able to: a) assess and interpret personal health/fitness status, b) design, implement, and evaluate a personal health/fitness plan for developing and maintaining a physically active healthy lifestyle, c) analyze current health/fitness issues impacting youth and adults, d) demonstrate effective use of personal and social skills to enhance health/fitness behavior, and e) utilize a variety of physical activities to engage in a healthy lifestyle.

Special Performing Groups

9175

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

Prerequisite: Sponsor Recommendation on the basis of audition

Students (pompom, cheerleader, flag, etc.) in this course will write and rehearse routines and may perform them at sports events, assemblies and other functions throughout the school year. Students will study, learn and use safety rules and practices in all activities. This course may be repeated for credit.

Weight Training and Conditioning

9213/9214

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Physical Education & Health Foundations and Teacher Approval

This course is designed to teach basic-advanced training techniques and strategies for lifting weights and conditioning. Students will learn proper lifting techniques, safety procedures and how to set up individual programs. This course may be repeated for credit.

Dance 1

4085/4086

Grade Level: 9, 10, 11, 12

Two semester—1.0 Credit

Prerequisite: At least one semester of Physical Education & Health Foundations

This course will include training in the dance styles of jazz and hip-hop. This is a beginner level dance course which will develop jazz and hip-hop technique, dance vocabulary, rhythm and timing, strength, choreography skills, and performance skills. Students must have passed at least one semester of PE before taking Dance 1. *Offered at East High School.*

Dance 2

4087/4088

Grade Level: 9, 10, 11, 12

Two semester—1.0 Credit

Prerequisite: Dance 1

This course will include a more in depth training in the dance styles of jazz and hip-hop. This is a beginner-intermediate level dance course which will continue the progression of technique, dance vocabulary, rhythm and timing, strength, choreography skills, and performance skills while reemphasizing Dance I technique. *Offered at East High School.*

FINE ARTS—DRAMA

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum
	9	10	11	12			
Introduction to Theatre	•	•	•	•	1.0	8691/8692	♦
Advanced Theatre		•	•	•	1.0	8693/8694	♦
Film Studies 1		•	•	•	1.0	1813/1814	
Film Studies 2			•	•	1.0	1815/1816	
Film Studies 3				•	1.0	1817/1818	
Repertory Theatre		•	•	•	1.0	1145/1146	♦
Stagecrafts		•	•	•	1.0	8695/8696	♦

Introduction to Theatre

8691/8692

Grade Level: 9, 10, 11, 12
Two semester—1.0 Credit

In this course, students will study the broad areas of acting, stagecraft, theatrical history, stage movement, costumes, make-up, lighting, play form, and pantomime. Students will see full-length plays as well as read and discuss contemporary drama. Students will learn how to criticize and evaluate a play, a movie, or television play. Students will study, learn, and use safety rules and practices in theatre productions.

Advanced Theatre

8693/8694

Grade Level: 10, 11, 12
Two semester—1.0 Credit
Prerequisite: Dramatics 1 and Teacher Approval

In this course, students will study acting techniques through sensory recall, emotional recall, concentration, vocal techniques, organizing a role, memorizing, improvising, voice and diction, and stage movement. Students will perform monologues, duets, one-act plays, as well as three-act plays and musicals. Students will study, learn and use safety rules and practices in theatre productions. This course may be repeated for credit.

Film Studies 1

1813/1814

Grade Level: 10, 11, 12
Two semester—1.0 Credit
Prerequisite: Dramatics 1, or Intro to Art, or Photography, or Teacher Approval

An introduction to Film Studies, including study, practice and analysis of composition, dialogue, genre, themes, cinematography, editing and film language. Theory and practice of script writing will lead to adaptation of a film script to storyboards and filmed projects. Does not count as a Fine Arts credit.

Film Studies 2

1815/1816

Grade Level: 11, 12
Two semester—1.0 Credit
Prerequisite: Film Studies 1

An intermediate level course focused on the role of the director as interpreter and creator. Students will study how a script is developed into a film by analyzing the work of notable directors and research of their techniques. Students will learn how to direct actors and work with crew to achieve a desired effect. Does not count as a Fine Arts credit.

Film Studies 3

1817/1818

Grade Level: 12
Two semester—1.0 Credit
Prerequisite: Film Studies 2

An advanced class, the students take on the role of producers, writing and developing scripts, developing them in pre-production, and supervising the filming of the project. Students will study the cultural and societal impact of film and how new technologies are changing the role of the audience, and in turn, the film-maker. Does not count as a Fine Arts credit.

Repertory Theatre

1145/1146

Grade Level: 10, 11, 12
Two semester—1.0 Credit
Prerequisite: Completion of Dramatics 1, Placement by Audition Only

Students must possess exceptional dramatic qualifications, including knowledge of technical theatre. Students are required to work with main-stage and repertory lab productions through the year in this performance based course. Students will participate in various theatrical production mediums. This course may be repeated for credit.

Stagecrafts

8695/8696

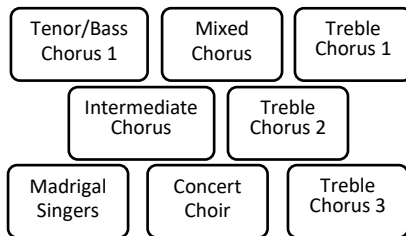
Grade Level: 10, 11, 12
Two semester—1.0 Credit
Prerequisite: Dramatics 1 or Teacher Approval

In this course, students will work with stage structure, tools, terminology, and operation of equipment with specific emphasis on construction, maintenance and building of scenery. Students will learn construction of stage properties, setting lights, building costumes, and applying stage make-up. Students will study, learn, and use safety rules and practices in all theatre productions. This course may be repeated for credit.

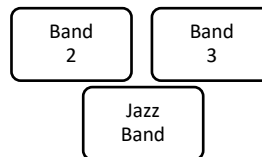
FINE ARTS—MUSIC

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum
	9	10	11	12			
Band 2	•	•	•	•	1.0	8511/8512	♦
Band 3	•	•	•	•	1.0	8506/8507	♦
Mariachi Band		•	•	•	1.0	8524/8525	♦
Piano Keyboard	•	•	•	•	0.5	8623	♦
Orchestra 2	•	•	•	•	1.0	8731/8732	♦
Orchestra 3	•	•	•	•	1.0	8721/8722	♦
Jazz Band		•	•	•	1.0	8587/8588	♦
Jazz Band 2		•	•	•	1.0	8589/8590	♦
Chorus—Treble 1	•	•	•	•	1.0	8539/8540	♦
Chorus—Tenor/Bass	•	•	•	•	1.0	8547/8548	♦
Chorus—Mixed	•	•	•	•	1.0	8571/8572	♦
Intermediate Chorus—Treble 2	•	•	•	•	1.0	8537/8538	♦
Intermediate Chorus	•	•	•	•	1.0	8559/8560	♦
Advanced Chorus—Treble 3		•	•	•	1.0	8567/8568	♦
Advanced—Madrigal Singers		•	•	•	1.0	8594/8595	♦
Advanced—Concert Choir		•	•	•	1.0	8549/8550	♦
Vocal Jazz	•	•	•	•	1.0	8581/8582	♦
Vocal Music	•	•	•	•	0.5	8541	♦
A.P. Music Theory		•	•	•	1.0	8613/8614	♦
Commercial Music		•	•	•	1.0	8684/8685	♦
Exploration of Musical Instruments	•	•	•	•	1.0	8526/8527	
Music Applications	•	•	•	•	0.5	8620	♦
Music Appreciation	•	•	•	•	1.0	8640/8641	♦
Music Credit—Special Projects	•	•	•	•	-	8999	
Music Theory/Composition	•	•	•	•	1.0	8621/8622	♦
Performing Arts College Prep			•	•	1.0	8686/8687	

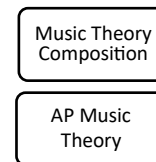
VOCAL



INSTRUMENTAL



THEORY



Band 2

8511/8512

Grade Level: 9, 10, 11, 12

Two semester—1.0 Credit

Prerequisite: Previous music experience

Course 8511 is a prerequisite to 8512 annually. This course is designed for students who are continuing to develop instrumental skills. Placement is at the discretion of the director. Criteria for entrance will include prior instrumental experience, ability and interest. Students will study the development of tone and technique in order to enhance their personal performance skills and understanding of basic elements of music. A standard instrumental text will be utilized along with supplemental repertoire. Performing experiences may include parades, field marching, concerts, festivals, assemblies, and solos/ensembles, some of which are mandatory. This course may be repeated for credit.

Band 3

8506/8507

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Course 8506 is a prerequisite to 8507 annually. This course is for experienced instrumentalists. Placement is by audition and at the discretion of the director. Criteria for entrance will include prior instrumental experience, ability and interest. Students will study band literature, individual and ensemble performance skills, music history and composition. Performing experiences may include parades, field marching, concerts, festivals, assemblies, and solos/ensembles, some of which are mandatory. This course may be repeated for credit.

FINE ARTS—MUSIC

Mariachi Band

8524/8525

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

Placement is by audition or at the discretion of the director. Students will study a wide range of Mariachi literature, history, composition/improvisation, and listening. Student participation in performances is required. This course may be repeated for credit. *Course offered at North High School*

Piano Keyboard

8623

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit

Beginning instruction for piano is offered in a class setting with emphasis on the development of music reading skills. Study will include the elements of basic keyboard technique and beginning repertoire. This course may be repeated for credit.

Orchestra 2

8731/8732

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This course is designed for students who are continuing to develop string performance skills. Placement is at the discretion of the director. Students will enhance their personal performance skills and understanding of basic elements of music. A standard string text will be utilized by the director along with supplemental repertoire. Performing experiences will include concerts, assemblies, festivals, musicals, and solos/ensembles, some of which will be mandatory. A uniform may be required, at the discretion of the director. This course may be repeated for credit.

Orchestra 3

8721/8722

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Placement in this ensemble is by audition or at the discretion of the director. Membership is based on ability, experience, demonstrated interest, and successful demonstration of technical string performance skills. Students will learn individual ensemble performance skills, historical and compositional information and orchestra repertoire. Performing experiences will include concerts, assemblies, festivals, musicals, and solos/ensembles, some of which will be mandatory. A uniform may be required, at the discretion of the director. This course may be repeated for credit.

Jazz Band

8587/8588

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit
Co-requisite: Enrollment in Band 2 or 3

Placement is by audition or at the discretion of the director. Previous instrumental experience is required. Students, including guitarists and pianists, will study a wide range of jazz literature, history, improvisation, and listening. Participation in a number of public performances is required. This course may be repeated for credit.

Jazz Band 2

8589/8590

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Band 2 or 3 and Teacher Approval

Placement is by audition or at the discretion of the director. Previous instrumental experience is required. This course may be repeated for credit. *Offered at Southeast High School*

Chorus—Treble 1

8539/8540

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Placement in this chorus is by audition or at the discretion of the director. Repertoire for this ensemble is primarily written for treble voices. Criteria for enrollment will include student ability, interest and enthusiasm. Prior vocal experience is not required. Students will study vocal techniques, a wide range of repertoire, and the improvement of individual vocal skills. Performance experiences will include concerts, musicals, solos/ensemble, some of which are mandatory. This course may be repeated for credit.

Chorus—Tenor/Bass

8547/8548

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Placement in this course is by audition only or at the discretion of the director. Repertoire for this ensemble is primarily written for tenor and bass voices. Criteria for enrollment will include student ability, interest and enthusiasm. Prior vocal experience is not required. Students will study vocal techniques, a wide range of repertoire and the improvement of individual vocal skills. Performance experiences will include concerts, musicals, solos, ensembles, some of which are mandatory. This course may be repeated for credit.

Chorus—Mixed

8571/8572

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Placement in this chorus is by audition or at the discretion of the director. Criteria for entrance will include student ability, interest and enthusiasm. Prior vocal experience is not required. Students will study vocal techniques, a wide range of repertoire, and the improvement of individual vocal skills. Performance experiences will include concerts, musicals, solos/ensemble, some of which are mandatory. This course may be repeated for credit.

Intermediate Chorus—Treble 2

8537/8538

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Placement in this chorus is by audition or at the discretion of the director. Repertoire for this ensemble is primarily written for the treble voice. Criteria for enrollment will include student ability, interest and enthusiasm. Students will study vocal techniques, a wide range of repertoire, and the improvement of individual vocal skills. Performance experiences will include concerts, musicals, solos, ensembles, some of which are mandatory. A special outfit may be required at the discretion of the director. This course may be repeated for credit.

Intermediate Chorus

8559/8560

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Placement in this chorus is by audition or at the discretion of the director. Criteria for enrollment will include student ability, interest and enthusiasm. Students will study vocal techniques, a wide range of repertoire, and the improvement of individual vocal skills. Performance experiences will include concerts, musicals, solos, ensembles, some of which are mandatory. A special outfit may be required at the discretion of the director. This course may be repeated for credit.

FINE ARTS—MUSIC

Advanced Chorus—Treble 3

8567/8568

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

Placement in this course is by audition only. Enrollment is normally limited to 24 or fewer students at the discretion of the director. The director may require participation in Concert Choir the same semester(s). Students must possess exceptional vocal qualifications including superior vocal quality, musicianship, balance and blend. Students will study a wide range of musical literature and styles. Some choreography may be included. A demanding performance schedule is maintained and student participation in performances is mandatory. A special outfit may be required at the discretion of the director. This course may be repeated for credit.

Advanced—Madrigal Singers

8594/8595

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

Placement is by audition only. Enrollment is normally limited to 24 or fewer students at the discretion of the director. The director may require participation in Concert Choir the same semester(s). Students must possess exceptional vocal qualifications, including superior vocal quality, musicianship, balance and blend. Students will study a wide range of musical literature and styles. Some choreography may be included. A demanding performance schedule is maintained and student participation in performances is mandatory. A special outfit may be required at the discretion of the director. This course may be repeated for credit.

Advanced—Concert Choir

8549/8550

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

This course is for experienced vocalists. Placement is by audition or at the discretion of the director. Criteria for entrance includes prior vocal experience, ability and/or interest, and vocal quality. Students will study the broad range of choral repertoire, vocal performance skills, music history and composition. Performing experiences include concerts, assemblies, festivals, musicals, and solos/ensembles, some of which are mandatory. A special outfit may be required at the discretion of the director. This course may be repeated for credit.

Vocal Jazz

8581/8582

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Placement in vocal jazz is by audition or at the discretion of the director. Students will study and perform a wide range of jazz in addition to contemporary/pop styles. Student participation in performances is mandatory. Some choreography may be included. The director may require participation in one of the Concert, Women's, Men's, or Mixed Choirs. This course may be repeated for credit.

Vocal Music

8541

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit

This course is for beginning music students. Students will explore a wide variety of musical styles through listening and singing. Students will develop, through sight, signing, basic sight singing skills and a vocabulary of musical terms. This course may be repeated for credit.

AP Music Theory

8613/8614

Grade Level: 11, 12
Two semester—1.0 Credit
Prerequisite: Previous music experience

Placement in this course is at the discretion of the director. Criteria for entrance will include student ability in music theory. This course will provide advanced study in the theory of music which prepares for the AP exam. The course will enable students to master the elements of music, including intervals, scales, chords and metric patterns. It will include musical analysis and composition and will foster the development of aural skills. This course may be repeated for credit. **The score earned on an Advanced Placement exam will have no bearing on the grade earned in an Advanced Placement class.**

Commercial Music

8684/8685

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Performance ability on instrument, Teacher Approval

This class provides the opportunity to reach the many students who perform on non-traditional instruments and are highly interested in music. Students who are unable to participate in traditional music classes, because they do not perform on a band or orchestral instrument, may enroll in this class. Students investigate and explore the area of the commercial music industry and learn the history of Rock and Roll, practical music theory, sound and lighting basics, song writing, and composition techniques. Bands are formed during the class. Students are given songs to research and asked to study the influences of current music in society, compose and write their own original music, and learn to set up technical equipment required for a performance. Students may also learn the basics of sound recording and editing. This course requires a performance of original works. *Offered at Southeast High School*

Exploration of Musical Instruments

8526/8527

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

In this course, students will learn to play up to four instruments. Certain instruments will be provided by the school, for use at the school. Public performance is not required. This course may be repeated for credit.

Music Applications

8620

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit

In this course, students learn basic music theory, piano and guitar skills, songwriting, and music technology.

Music Appreciation

8640/8641

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This course will meet the needs of students who do not choose to participate in music performing groups. Students will learn the various properties of sound and be able to identify the basic characteristics of rhythm, melody, harmony and texture. In addition, students will gain listening skills and an understanding of the historical background of various types and styles of music. This course may be repeated for credit.

Music Credit—Special Projects

8999

Grade Level: 9, 10, 11, 12

Placement in this course will be at the discretion of the director. The amount of credit will be determined by the building principal and the Executive Director of Fine Arts.

FINE ARTS—MUSIC

Music Theory/Composition

8621/8622

Grade Level: 9, 10, 11, 12

Two semester—1.0 Credit

Prerequisite: Previous music experience

Students in this course should have taken interest in music, and have proficiency on at least one instrument. Piano keyboard knowledge is advantageous, but not required. Students will learn the basics of music theory, including the study of melodic and harmonic concepts of theory, form, analysis, dictation and part writing. As skills permit, students will also do some original composition and arranging. This course may be repeated for credit.

Performing Art College Prep

8686/8687

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Interest in pursuit of performing arts in college (vocal, instrumental, drama, etc.) Successful completion and/or enrollment in vocal, instrumental, or drama class and Teacher approval

The purpose of this class is to provide the opportunity for students interested in pursuing fine arts in college the skills necessary for their area of interest. The areas covered will be instrumental music, vocal music and theater arts. Each student will create a portfolio in preparation of college visits. Students will complete projects, study music theory, work on college interviews, and attend college scholarship visitations. *Offered at Southeast High School*

FINE ARTS—VISUAL

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum
	9	10	11	12			
Art History	•	•	•	•	1.0	8010/8011	♦
AP Art History			•	•	1.0	8007/8008	♦
AP Studio Art			•	•	1.0	8055/8056	♦
Ceramics/Pottery 1	•	•	•	•	1.0	8311/8312	♦
Ceramics/Pottery 2		•	•	•	1.0	8321/8322	♦
Ceramics/Pottery 3			•	•	1.0	8323/8324	♦
Creative Photography 1	•	•	•	•	1.0	8131/8132	♦
Creative Photography 2		•	•	•	1.0	8134/8135	♦
Creative Photography 3			•	•	1.0	8129/8130	♦
Drawing/Painting 1	•	•	•	•	1.0	8251/8252	♦
Drawing/Painting 2		•	•	•	1.0	8261/8262	♦
Drawing/Painting 3			•	•	1.0	8173/8174	♦
Introduction to Art	•	•	•	•	1.0	8201/8202	♦
Modified Visual Art	•	•	•	•	1.0	8403/8404	
Print Making 1	•	•	•	•	1.0	8183/8184	♦
Print Making 2		•	•	•	1.0	8185/8186	♦
Print Making 3			•	•	1.0	8187/8188	♦
Sculpture 1	•	•	•	•	1.0	8119/8120	♦
Sculpture 2		•	•	•	1.0	8191/8192	♦
Sculpture 3			•	•	1.0	8193/8194	♦
Special Art Production				•	1.0	8381/8382	
Visual Communications Designs	•	•	•	•	1.0	8401/8402	

AP Art History

8007/8008

Grade Level: 11, 12
Two semester—1.0 Credit

Designed to parallel college-level Art History courses, AP Art History courses provide the opportunity for students to critically examine architecture, sculpture, painting, and other art forms within their historical and cultural contexts. In covering the art of several centuries (not necessarily in chronological order), students learn to identify different styles, techniques, media, and influences and to formulate and articulate their reactions to various kinds of artwork. **The score earned on an Advanced Placement exam will have no bearing on the grade earned in an Advanced Placement class.**

AP Studio Art

8055/8056

Grade Level: 11, 12
Two semester—1.0 Credit
Teacher Approval Required for Enrollment

AP Art Studio courses are designed for students with a professional or academic interest in two-dimensional or three-dimensional art. These courses focus on a variety of concepts and approaches in Drawing/Painting, 2-D Design, and 3-D Design (ceramics/sculpture), enabling the students to demonstrate a range of abilities and versatility with media, technique, problem solving, and scope. Such conceptual variety can be demonstrated through either the use of one or the use of several media. Students refine their skills and create artistic works to submit via a portfolio to the College Board for evaluation. **The score earned on an Advanced Placement exam will have no bearing on the grade earned in an Advanced Placement class.**

Art History

8010/8011

Grade Level: 9, 10, 11, 12
Two semester—1.0 Credit

Art history courses introduce students to significant works of art, artists, and artistic movements that have shaped the art world and have influence or reflected various periods of history. Course content emphasizes the sequential evolution of art forms, techniques, symbols, and themes. The course covers the relationship of art to historical events throughout the world, while covering multiple artists, contemporary aesthetic issues, and the development of art. Critical analysis of visual images, as they communicate and express the history, needs, and ideals of society and individuals is included.

Ceramics/Pottery 1

8311/8312

Grade Level: 9, 10, 11, 12
Two semester—1.0 Credit

Ceramics/Pottery 1 courses engage students in a sequential learning experience that encompasses the history of ceramics, critiquing their own work and the work of others, aesthetic inquiry, and creative production. They develop knowledge of ceramic techniques and processes with an emphasis on creative design and craftsmanship. Experience includes, but is not limited to, clay modeling, hand building, coil building, casting, sculpture and throwing on the potter's wheel. Students develop a working knowledge of kiln firing and glazing techniques.

FINE ARTS—VISUAL

Ceramics/Pottery 2 8321/8322 Grade Level: 10, 11, 12 Two semesters—1.0 Credit Prerequisite: Ceramics/Pottery 1 Students in this course will extend work begun in Ceramics/Pottery 1 to include the study and applications of advanced techniques.	Drawing/Painting 3 8173/8174 Grade Level: 11, 12 Two semesters—1.0 Credit Prerequisite: Drawing/Painting 1 and 2 Students will extend work begun in Drawing/Painting 1 and 2 to include the study and application of advanced techniques.
Ceramics/Pottery 3 8323/8324 Grade Level: 11, 12 Two semesters—1.0 Credit Prerequisite: Ceramics/Pottery 1 and 2 Students in this course will extend work begun in Ceramics/Pottery 1 and 2 to include the study and applications of advanced techniques.	Introduction to Art 8201/8202 Grade Level: 9, 10, 11, 12 Two semesters—1.0 Credit Introduction to Art are basic courses in the fundamentals of artistic expression taught in grades 9-12. The courses may include experiences in drawing, painting, two and three-dimensional design, and ceramics and sculpture. The courses emphasize observations, interpretation of the visual environment, visual communication, imagination and symbolism, and an introduction to various visual arts media. The focus of the course is on application of the elements of art and principles of design. A study of historical and contemporary art and artists from a world-wide perspective, and instruction and practice in the critique process are included.
Creative Photography 1 8131/8132 Grade Level: 9, 10, 11, 12 Two semesters—1.0 Credit Photography courses engage students in a sequential learning process applying photographic media, techniques, and processes. These courses focus on development of photographic compositions through manipulation of the elements of art and principles of design. Students learn to make meaningful visual statements with an emphasis on personal creative expression to communicate ideas, feelings, or values. The history of photography, historic movements, image manipulation, critical analysis, and some creative special effects may also be included in this course. Students engage in critiques of their photographic images, the works of other students, and those by professional photographers.	Modified Visual Art 8403/8404 Grade Level: 9, 10, 11, 12 Two semesters—1.0 Credit The Modified Visual Art course is designed for students who have not met the benchmarks required to receive regular education credit in a visual arts class. This course will provide resources and lessons designed specifically for each student and based on documented and observed learning levels.
Creative Photography 2 8134/8135 Grade Level: 10, 11, 12 Two semesters—1.0 Credit Prerequisite: Creative Photography 1 Students will extend work begun in Creative Photography 1 to include the study and application of advanced techniques.	Printmaking 1 8183/8184 Grade Level: 9, 10, 11, 12 Two semesters—1.0 Credit Printmaking courses provide experience in a variety of traditional and digital printmaking media, techniques, and processes. Students create realistic and abstract prints and communicate meaning by applying elements of art and principles of design and making cultural and historical connections. Students learn and practice the critique process in discussing their own work, that of other students, and the work of professional printmakers.
Creative Photography 3 8129/8130 Grade Level: 11, 12 Two semesters—1.0 Credit Prerequisite: Creative Photography 1 and 2 Students will extend work begun in Creative Photography 1 and 2 to include the study and application of advanced techniques.	Printmaking 2 8185/8186 Grade Level: 10, 11, 12 Two semesters—1.0 Credit Prerequisite: Printmaking 1 Students will extend work begun in Printmaking 1 to include the study and application of advanced techniques.
Drawing/Painting 1 8251/8252 Grade Level: 9, 10, 11, 12 Two semesters—1.0 Credit Drawing/Painting 1 courses focus on drawing and painting together in a foundational presentation. Attention is given to two-dimensional work and utilizes one or more mediums, such as pen-and-ink, pencil, chalk, watercolor, tempera, oils, and acrylics. As students advance and become more adept, the instruction regarding the creative process becomes more refined and students are encouraged to develop their own artistic styles. Design fundamentals, art history and art criticism are integral components of the course.	Printmaking 3 8187/8188 Grade Level: 11, 12 Two semesters—1.0 Credit Prerequisite: Printmaking 1 and 2 Students will extend work begun in Printmaking 1 and 2 to include the study and application of advanced techniques.
Drawing/Painting 2 8261/8262 Grade Level: 10, 11, 12 Two semesters—1.0 Credit Prerequisite: Drawing/Painting 1 Students will extend work begun in Drawing/Painting 1 to include the study and application of advanced techniques.	

FINE ARTS—VISUAL

Sculpture 1

8119/8120

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Sculpture courses promote creative expression through three-dimensional works. Students explore realistic and abstract sculpture through subtractive (carving), additive (modeling), and assemblage techniques in one or more media. They produce realistic and abstract sculptures while incorporating elements of art and principles of design. A study of historical and contemporary sculpture and sculptors from a worldwide perspective and instruction and practice in the critique process are also addressed. Material experiences include, but are not limited to wood, plastic, paper, natural materials, clay and found objects.

Sculpture 2

8191/8192

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Sculpture 1

Students in this course will extend work begun in Sculpture 1 to include the study and applications of advanced techniques.

Sculpture 3

8193/8194

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Sculpture 1 and 2

Students in this course will extend work begun in Sculpture 1 and 2 to include the study and applications of advanced techniques.

Special Art Production

8381/8382

Grade Level: 12

Two semesters—1.0 Credit

Special Art Production courses are long term advanced art studies and/or production in art. This course is designed for advanced students who are self-motivated and able to work independently with minimal instruction or assistance. This course requires teacher approval and must meet certain departmental guidelines. Course may be repeated for credit.

Visual Communications Designs

8401/8402

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Visual Communications Design courses emphasize the application of the elements of art and principles of design through the purposeful arrangement of images, symbols, and text to communicate a message. These courses also include investigations of how the computer has influenced the creation of contemporary graphic and digital designs. Students study visual communications designs from the history of art, contemporary visual communicates design, and many world cultures. Students engage in critiques of their visual communications designs, the designs of other students, and designs by professionals.

WORLD LANGUAGES

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
AP Spanish Language & Culture		•	•	•	1.0	5447/5448	♦	
Chinese 1	•	•	•	•	1.0	5603/5604	♦	♦
Chinese 2		•	•	•	1.0	5605/5606	♦	♦
Chinese 3			•	•	1.0	5607/5608	♦	♦
Chinese 4				•	1.0	5609/5610	♦	♦
Foreign Language Credit	•	•	•	•	1.0	5691/5692		
French 1	•	•	•	•	1.0	5133/5134	♦	♦
French 2	•	•	•	•	1.0	5135/5136	♦	♦
French 3		•	•	•	1.0	5137/5138	♦	♦
French 4			•	•	1.0	5139/5140	♦	♦
French 5				•	1.0	5149/5150	♦	♦
German 1	•	•	•	•	1.0	5213/5214	♦	♦
German 2		•	•	•	1.0	5215/5216	♦	♦
German 3			•	•	1.0	5217/5218	♦	♦
German 4				•	1.0	5219/5220	♦	♦
Spanish 1	•	•	•	•	1.0	5433/5434	♦	♦
Spanish 2	•	•	•	•	1.0	5435/5436	♦	♦
Spanish 3		•	•	•	1.0	5437/5438	♦	♦
Spanish 4			•	•	1.0	5439/5440	♦	♦
Spanish 5				•	1.0	5443/5444	♦	♦
Spanish 6				•	1.0	5445/5446	♦	♦
Spanish for Heritage Speakers 1	•	•	•	•	1.0	5455/5456	♦	♦
Spanish for Heritage Speakers 2	•	•	•	•	1.0	5457/5458	♦	♦
Spanish for Heritage Speakers 3	•	•	•	•	1.0	5459/5460	♦	♦
Spanish for Heritage Speakers 4				•	1.0	5469/5470	♦	
Language and Culture	•	•	•	•	0.5	5646	♦	

AP Spanish Language & Culture

5447/5448

Grade Level: 10, 11, 12
Two semester—1.0 Credit
Prerequisite: Spanish 3 or above or equivalent proficiency

This course is designed to parallel a fifth semester college level language course at an Advanced Low proficiency level. In order to develop good language skills, an integrated approach to language learning will be the focus. All course material will include authentic resources to answer essential questions across the six AP themes. Students may have the opportunity to take the Seal of Biliteracy Exam assessment and/or the AP Spanish Language & Culture Exam.

Chinese 1

5603/5604

Grade Level: 9, 10, 11, 12
Two semester—1.0 Credit

This class at the Novice Mid proficiency level is designed for students who have had little or no experience learning Chinese. Students learn about Chinese-speaking cultures and learn to communicate in the context of ordinary, daily situations. Students are introduced to the phonetic system of modern standard Mandarin Chinese. In order to promote language proficiency, much of this class is taught in Chinese.

Chinese 2

5605/5606

Grade Level: 10, 11, 12
Two semester—1.0 Credit
Prerequisite: Chinese I or equivalent proficiency

This class at the Novice High proficiency level uses authentic materials to increase students' cultural understanding of the Chinese-speaking world and to expand their language ability related to ordinary, daily situations. In order to promote language proficiency, most of this class is taught in Chinese.

Chinese 3

5607/5608

Grade Level: 11, 12
Two semester—1.0 Credit
Prerequisite: Chinese 2 or equivalent proficiency

This class at the Intermediate Low proficiency level increases students' language ability to function in social situations outside the classroom. Students use authentic materials to learn about and discuss familiar topics related to the Chinese-speaking world around them. In order to promote language proficiency, most of this class is taught in Chinese. Students may have the opportunity to take the Seal of Biliteracy Exam assessment.

WORLD LANGUAGES

Chinese 4

5609/5610

Grade Level: 12

Two semester—1.0 Credit

Prerequisite: Chinese 3 or equivalent proficiency

In this class at the Intermediate Mid proficiency level, students use authentic materials to learn about and discuss global contemporary issues of the Chinese-speaking world. Students investigate the history of the Chinese-speaking world through the study of cultural products such as literature, art, news media, and music. This class is taught in Chinese. Students may have the opportunity to take the Seal of Biliteracy Exam assessment.

Foreign Language Credit

5691/5692

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

This course is for students who are transferring with foreign language credits that are not currently offered in our Program of Studies.

French 1

5133/5134

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

This class at the Novice Mid proficiency level is designed for students who have had little or no experience learning French. Students learn about French-speaking cultures and learn to communicate in the context of ordinary, daily situations. In order to promote language proficiency, much of this class is taught in French.

French 2

5135/5136

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: French I, French 1A & 1B (2 years of MS) or equivalent proficiency

This class at the Novice High proficiency level uses authentic materials to increase students' cultural understanding of the French-speaking world and to expand their language ability related to ordinary, daily situations. In order to promote language proficiency, most of this class is taught in French.

French 3

5137/5138

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: French 2 or equivalent proficiency

This class at the Intermediate Low proficiency level increases students' language ability to function in social situations outside the classroom. Students use authentic materials to learn about and discuss familiar topics related to the French-speaking world around them. In order to promote language proficiency, most of this class is taught in French. Students may have the opportunity to take the Seal of Biliteracy Exam assessment.

French 4

5139/5140

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: French 3 or equivalent proficiency

In this class at the Intermediate Mid proficiency level, students use authentic materials to learn about and discuss global contemporary issues of the French-speaking world. Students investigate the history of the French-speaking world through the study of cultural products such as literature, art, news media, and music. This class is taught in French. Students may have the opportunity to take the Seal of Biliteracy Exam assessment.

French 5

5149/5150

Grade Level: 12

Two semesters—1.0 Credit

Prerequisite: French 4 or equivalent proficiency

In this class at the Intermediate High proficiency level, students expand their language ability by taking a deeper look at the cultural practices, products, and perspectives of the French-speaking world. Students investigate and present on global contemporary issues and other topics of interest. This class is taught in French. Students may have the opportunity to take the Seal of Biliteracy Exam assessment.

German 1

5213/5214

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

This class at the Novice Mid proficiency level is designed for students who have had little or no experience learning German. Students learn about German-speaking cultures and learn to communicate in the context of ordinary, daily situations. In order to promote language proficiency, much of this class is taught in German.

German 2

5215/5216

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: German 1 or equivalent proficiency

This class at the Novice High proficiency level uses authentic materials to increase students' cultural understanding of the German-speaking world and to expand their language ability related to ordinary, daily situations. In order to promote language proficiency, most of this class is taught in German.

German 3

5217/5218

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: German 2 or equivalent proficiency

This class at the Intermediate Low proficiency level increases students' language ability to function in social situations outside the classroom. Students use authentic materials to learn about and discuss familiar topics related to the German-speaking world around them. Most of this class is taught in German. Students may have the opportunity to take the Seal of Biliteracy Exam assessment.

German 4

5219/5220

Grade Level: 12

Two semesters—1.0 Credit

Prerequisite: German 3 or equivalent proficiency

In this class at the Intermediate Mid proficiency level, students use authentic materials to learn about and discuss global contemporary issues of the German-speaking world. Students investigate the history of the German-speaking world through the study of cultural products such as literature, art, news media, and music. This class is taught in German. Most of this class is taught in German. Students may have the opportunity to take the Seal of Biliteracy Exam assessment.

Spanish 1

5433/5434

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

This class at the Novice Mid proficiency level is designed for students who have had little or no experience learning Spanish. Students learn about the Spanish-speaking cultures and to communicate in the context of ordinary, daily situations. In order to promote language proficiency, much of this class is taught in Spanish.

Enrollment Guide: Students who have experience speaking Spanish in the home, should be directed to Spanish for Heritage Speakers. If students can understand Spanish, but are unable to carry on a basic conversation, they should be directed to Spanish 2 or Spanish 3.

WORLD LANGUAGES

Spanish 2

5435/5436

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Spanish I, Spanish 1A & 1B (2 years of MS), MS PIB Spanish I-III,

This class at the Novice High proficiency level uses authentic materials to increase students' cultural understanding of the Spanish-speaking world and to expand their language ability related to ordinary, daily situations. In order to promote language proficiency, most of this class is taught in Spanish.

Enrollment Guide: Students who have experience speaking Spanish in the home, should be directed to Spanish for Heritage Speakers. If students can understand Spanish, but are unable to carry on a basic conversation, they should be directed to Spanish 2 or Spanish 3.

Spanish 3

5437/5438

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Spanish 2, MS PIB Spanish I-3, or equivalent proficiency

This class at the Intermediate Low proficiency level increases students' language ability to function in social situations outside the classroom. Students use authentic materials to learn about and discuss familiar topics related to the Spanish-speaking world around them. In order to promote language proficiency, most of this class is taught in Spanish. Students may have the opportunity to take the Seal of Biliteracy Exam assessment.

Enrollment Guide: Students who have experience speaking Spanish in the home, should be directed to Spanish for Heritage Speakers. If students can understand Spanish, but are unable to carry on a basic conversation, they should be directed to Spanish 2 or Spanish 3.

Spanish 4

5439/5440

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Spanish 3 or equivalent proficiency

In this class at the Intermediate Mid proficiency level, students use authentic materials to learn about and discuss global contemporary issues of the Spanish-speaking world. Students investigate the history of the Hispanic world through the study of cultural products such as literature, art, news media, and music. This class is taught in Spanish. Students may have the opportunity to take the Seal of Biliteracy Exam assessment.

Spanish 5

5443/5444

Grade Level: 12

Two semesters—1.0 Credit

Prerequisite: Spanish 4 or equivalent proficiency

In this class at the Intermediate High proficiency level, students expand their language ability by taking a deeper look at the cultural practices, products, and perspectives of the Spanish-speaking world. Students investigate and present on global contemporary issues and other topics of interest. This class is taught in Spanish. Students may have the opportunity to take the Seal of Biliteracy Exam assessment.

Spanish 6

5445/5446

Grade Level: 12

Two semesters—1.0 Credit

Prerequisite: Spanish 5 or equivalent proficiency

In this class at the Advanced Low proficiency level (continued from Spanish 5), students expand their language ability by taking a deeper look at the cultural practices, products, and perspectives of the Spanish-speaking world. Students investigate and present on global contemporary issues and other topics of interest. This class is taught in Spanish. Students may have the opportunity to take the Seal of Biliteracy Exam assessment.

Spanish for Heritage Speakers 1

5455/5456

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

This course is designed specifically for students who have already gained speaking and listening proficiency in Spanish in a home or other community setting or in a previous school setting outside of the United States. Students will strengthen their reading and writing skills in Spanish through study and discussion of language structure, cultural and current events, and academic language. This class is conducted entirely in Spanish. Students may be asked to complete a language assessment to determine proper placement in this course.

Enrollment Guide: If students can understand Spanish, but are unable to carry on a basic conversation, they should be directed to Spanish 2 or Spanish 3.

Spanish for Heritage Speakers 2

5457/5458

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Spanish for Heritage Speakers I or equivalent proficiency

This course is designed specifically for students who have studied or been exposed to Spanish in an academic setting. Students continue to build on their academic skills in the Spanish language through the study and discussion of language structure, cultural and current events. Students may have the opportunity to take the Seal of Biliteracy Exam assessment.

Spanish for Heritage Speakers 3

5459/5460

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Spanish for Heritage Speakers 2 or equivalent proficiency

This course is designed specifically for students who have studied or been exposed to Spanish in an academic setting. In this course, students continue to build on their academic skills in Spanish. Students increase their linguistic and cultural competence through the study and discussion of language structure, culture, and current events in the Spanish-speaking world. Students may have the opportunity to take the Seal of Biliteracy Exam assessment.

Spanish for Heritage Speakers 4

5469/5470

Grade Level: 12

Two semesters—1.0 Credit

Prerequisite: Spanish for Heritage Speakers 3 or equivalent proficiency

This is intended to be a higher level rigorous course with the end goal of students achieving Advanced Levels on the proficiency scales. Students will have completed Spanish for Native Speakers 1-3 and/or have attended high school in a Spanish speaking country. This is proposed as an advanced level senior course.

Language and Culture

5646

Grade Level: 9, 10, 11, 12

Students in this course will learn about the culture of people speaking languages such as French, Spanish, and more.

JROTC COURSES

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum
	9	10	11	12			
Aerospace Science 1-AFJROTC Leadership Education 1	•	•	•	•	1.0	9241/9242	
Aerospace Science 2-AFJROTC Leadership Education 2		•	•	•	1.0	9243/9244	
Aerospace Science 3-AFJROTC Leadership Education 3		•	•	•	1.0	9245/9246	
Aerospace Science 4-JROTC Leadership Training 4		•	•	•	1.0	9247/9248	
Junior Cadet 1	•	•	•	•	1.0	9430/9431	
Junior Cadet 2		•	•	•	1.0	9432/9433	
Junior Cadet 3			•	•	1.0	9440/9441	
Junior Cadet 4				•	1.0	9442/9443	
Leadership Education & Training 1—JROTC Training 1	•	•	•	•	1.0	9221/9222	
Leadership Education & Training 2—JROTC Training 2		•	•	•	1.0	9223/9224	
Leadership Education & Training 3—JROTC Training 3			•	•	1.0	9225/9226	
Leadership Education & Training 4—JROTC Training 4				•	1.0	9227/9228	
Leadership & Citizenship Training 5—JROTC Training 5	•	•	•	•	0.5	9249	

Aerospace Science 1— AF JROTC Leadership Education 1

9241/9242

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

The Leadership Education 1: Citizenship, Character, & Air Force Tradition, portion of this course introduces cadets to the Air Force Junior Reserve Officer Training Corps (AF JROTC) program and provides a basis for progression through the rest of AF JROTC while instilling elements of good citizenship. It contains sections on cadet and Air Force organizational structure; uniform wear; customs, courtesies, and other military traditions; health and wellness; fitness; individual self-control; and citizenship. The Wellness part focuses on establishing individual base lines of fitness and improvements with a goal of achieving a national standard. The Aerospace Science: A Journey Into Aviation History, portion is designed to give students an overview of the history of flight, the fundamentals of flight and an exposure to space exploration. Students who successfully complete this course may be eligible to participate in a summer leadership camp.

Aerospace Science 2— AF JROTC Leadership Education 2

9243/9244

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

Leadership Education 2: Communication, Awareness, and Leadership, portion of the course stresses communications skills and cadet corps activities. Much information is provided on communicating effectively, understanding groups and teams, preparing for leadership, solving conflicts and problems, and personal development. Written reports and speeches compliment the academic materials. Cadet corps activities include holding positions of greater responsibility in the planning an execution of corps projects. An emphasis on Wellness and Fitness is continued with the goal of improving individual base lines and the goal of achieving a national standard. The Aerospace Science: Cultural Studies, An Introduction to Global Awareness, portion of this course is a multidisciplinary class that introduces students to various regions of the world from a geographic, historical and cultural perspective. The course provides increased international awareness and insight into foreign affairs that permits a more educated understanding of other cultures and enhanced knowledge of America's interests and role in the world.

Aerospace Science 3— AF JROTC Leadership Education 3

9245/9246

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

Leadership Education 3: Life Skills & Career Opportunities portion of the course teaches students about financial planning, as well as understanding the requirements needed to be successful at work and in life. Cadets are provided fundamental and in-depth instruction in Air Force drill and ceremonies. Wellness and Fitness is continued with the goal of improving individual baselines and the goal of achieving a national standard. The Aerospace Science portion of this course depends on the high school attended. The two Aerospace Science classes taught in this course will be either Global and Cultural Studies II or the Science of Flight. At Heights HS they may teach Global and Cultural Studies II: Cultural Studies, An Introduction to Global Awareness, a multidisciplinary course that introduces students to various regions of the world from a geographic, historical and cultural perspectives. It covers different areas of the world than those taught in Aerospace Science 2. The course provides increased international awareness and insight into foreign affairs that permits a more educated understanding of other cultures and enhanced knowledge of America's interests and role in the world. At East HS they may teach The Science of Flight: A Gateway to New Horizons. This class acquaints the student with the aerospace environment, the human requirements of flight, principles of aircraft flight, and principles of navigation. East and Heights AF JROTC programs are authorized to rotate course curriculum as needed to meet school schedule requirements.

JROTC COURSES

Aerospace Science 4 - JROTC Leadership Training 4

9247/9248

Grade Level: 10, 11, 12
Two semester—1.0 Credit

Leadership Education 4: Principles of Management, teaches students about the theories and principles of management in the work force. Cadets are provided fundamental and in-depth instruction in Air Force drill and ceremonies. Wellness and Fitness is continued with the goal of improving individual baselines and the goal of achieving a national standard. The Aerospace Science portion of this course depends on the high school attended. The two Aerospace Science classes taught in this course will be either Management of the Cadet Corps or Exploring Space: The High Frontier. At Heights HS they may teach Management of the Cadet Corps. This hands-on experience affords cadets the opportunity to put theories of previous leadership courses into practice. Planning, organizing, coordinating, directing, controlling, and decision-making will be done by cadets. They will put into practice their communication, decision-making, personal-interaction, managerial, and organization skills. East HS may teach Exploring Space: The High Frontier. This class begins with the study of the solar system and progresses through the international space exploration efforts, space technology, and manned space flight. East and Heights AF JROTC programs are authorized to rotate course curriculum as needed to meet school schedule requirements.

Junior Cadet 1

9430/9431

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This is an introductory course that encourages personal success and leadership. Students in the Junior Cadet Program will gain knowledge and develop skills in learning the attributes of a leader, assessing personal success skills, lifestyle balance, developing personal habits and determining a plan for future success. Students will improve reading comprehension, math skills, leadership, physical fitness, personal health, first aid, and map reading. This course develops attitudes of understanding and tolerance with a strong emphasis on developing personal responsibility and a sense of teamwork. Students participate in precision drill, color guards, and other co-curricular activities. *This course is offered at Sowers Alternative High School only.*

Junior Cadet 2

9432/9433

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

Students will gain an understanding of the importance of career planning, goal setting, and time management. Students will develop successful strategies in identifying ways to lead, honing academic skills, and learning how to analyze personal skills that lead to goal achievement and self management. Students will practice leadership and the ability to live and work cooperatively with others through the effective understanding and application of the leadership traits, principles, styles and values. Students demonstrate the effective understanding and application of management techniques, the planning process, and the decision-making/problem-solving process. Reading, writing and math skills are emphasized. Students assist instructors in teaching precision and ceremonial drill. Students will demonstrate knowledge of the ethical values and principles that underlie good citizenship. *This course is offered at Sowers Alternative High School only.*

Junior Cadet 3

9440/9441

Grade Level: 11, 12
Two semesters—1.0 Credit

This course exposes students to applied leadership and focuses on the effective leader in a diverse world. Students learn where they are in their course to success, what their future holds for them, and the challenging issues in the world. It provides an examination of the basic theories of leadership and leader behavior and it will develop the student's abilities to analyze, evaluate and solve leadership problems. Emphasis is placed on developing personal accountability and a strong sense of teamwork. *This course is offered at Sowers Alternative High School only.*

Junior Cadet 4

9442/9443

Grade Level: 12
Two semesters—1.0 Credit

In this capstone course, students will practice the principles, objectives, and techniques of leadership. Emphasis is on problem analysis and decision making, delegation and control, planning and organizing, and interpersonal skills required for effective leaders. Students will experience the functions of leadership and the special problems in leadership. The course prepares students for responsible leadership roles while making them aware of their rights, responsibilities and privileges as American citizens. *This course is offered at Sowers Alternative High School only.*

Leadership Education & Training 1- JROTC Training 1

9221/9222

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Completion of the 8th grade

This course includes classroom instruction and laboratory instruction in the history, customs, traditions and purpose of JROTC. It contains the development of basic leadership skills to include leadership principles, values and attributes. Development of core skills students should master, an appreciation for diversity, and active learning strategies are integrated throughout the course. Successful completion of a least three units of credit in the JROTC program will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service.

Leadership Education & Training 2- JROTC Training 2

9223/9224

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Leadership Education & Training 1

This course includes classroom instruction and laboratory instruction expanding on skills taught in LET 1. This course introduces equal opportunity and sexual harassment. It provides instruction on leadership styles and practical time to exercise leadership theories as well as the basic principles of management. It provides self assessments that help students determine their skill sets and opportunities to teach using accepted principles and methods of instruction. Successful completion of a least three units of credit in the JROTC program will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service.

JROTC COURSES

Leadership Education & Training 3- JROTC Training 3

9225/9226

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Leadership Education & Training 2

This course includes classroom instruction and laboratory instruction expanding on skills taught in LET 1-2. This course allows cadets to investigate the interrelationships of the services while it continues to build their leadership development and decision-making skills. It includes negotiation skills and management principles. It emphasizes staff procedures and provides opportunities to handle various leadership situations. The research, identification, planning, and execution of service learning activities are included. Successful completion of a least three units of credit in the JROTC program will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service.

Leadership Education & Training 4- JROTC Training 4

9227/9228

Grade Level: 12

Two semesters—1.0 Credit

Prerequisite: Leadership Education & Training 3

This course includes classroom instruction and laboratory instruction expanding on skills taught in LET 1-3. It focuses on creating a positive leadership situation, negotiating, decision-making, problem solving, planning, team development, project management, and mentoring. It provides the opportunity to demonstrate leadership potential in an assigned command or staff position within the cadet battalion organizational structure. It includes how to use emotional intelligence in leadership situations as well as developing a positive attitude, financial planning, and careers. Successful completion of a least three units of credit in the JROTC program will qualify the student for advanced placement in a college ROTC program or accelerated promotion in the military service.

Leadership and Citizenship Training 5- JROTC Training 5

9249

Grade Level: 9, 10, 11, 12

80 hours—1 week—0.5 Credit

A minimum of 80 hour course with emphasis on teamwork and leadership techniques and application, conducted at various military installations. JROTC cadets will practice leadership in an unfamiliar environment, participate in team building exercises, experience living and interacting with their peers in a military setting, and participate in various confidence building exercises.

LIFE SKILLS

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum
	9	10	11	12			
Adaptive Financial Literacy			•		0.5	9263	
Community Based Instruction	•	•	•	•	4.0	6955/6956	
Life Skills 1	•	•	•	•	1.0	6907/6908	
Life Skills 2	•	•	•	•	1.0	6909/6910	
Life Skills 3	•	•	•	•	1.0	6911/6912	
Life Skills 4	•	•	•	•	1.0	6913/6914	

Adaptive Financial Literacy

9263

Grade Level: 11
Two semester—0.5 Credit

The Adaptive Financial Literacy course uses an adapted curriculum for students with special needs. Emphasis is on teaching basic skills and knowledge around management of personal finance. Topics covered include the following: an overview of personal financial management, careers, income and taxes, budgeting, banking accounts, credit and credit risks. Projects will be conducted throughout the course to provide experiences assisting students in developing effective consumer habits.

Community Based Instruction

6955/6956

Grade Level: 9, 10, 11, 12
1.0-4.0 Credit
Prerequisite: Life Skills 1, 2, 3, or 4 or
Vocational Assessment 1, 2, 3, or 4 or
Teacher Recommendation

This course is community-based instruction which focuses on the job skills students need to enter and succeed in the world of work. Students also have the opportunity to explore occupations and plan future education and employment goals. Repeatable as necessary.

Life Skills 1

6907/6908

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This course will enable students with special needs to prepare for the world of work and independent living. Areas of emphasis will include nutrition and food preparation, personal hygiene, decision-making and interpersonal skills. Repeatable as necessary.

Life Skills 2

6909/6910

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This course will continue to reinforce skills learned in Life Skills 1 and will expand into the areas of career awareness, consumer skills, and problem solving. Repeatable as necessary.

Life Skills 3

6911/6912

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Life Skills 3 will emphasize independent living skills, entering the world of work, and personal social relationships. Skills previously introduced will be reinforced and refined. Repeatable as necessary.

Life Skills 4

6913/6914

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Life Skills 4 is for the student who needs continued reinforcement of the skills presented in Life Skills 1, 2, and 3. Repeatable as necessary.

CONSORTIUM

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester
	9	10	11	12		
ACT Preparation		•	•	•	0.5	6918
Advocacy .50	•	•	•	•	1.0	9133/9134
Advocacy .25	•	•	•	•	0.5	9408/9409
Advocacy .12/Advocacy .13	•	•	•	•	1.0	9238/9438
AVID	•				1.0	9021/9022
AVID 2		•			1.0	9031/9032
AVID 3			•		1.0	9035/9036
AVID Senior Seminar				•	1.0	9045/9046
Community Service		•	•	•	0.5	9060
Executive High School Internship Program			•	•	3.5	9100
Group Dynamics	•	•	•	•	1.0	9016/9017
Gaming Concepts	•	•	•	•	0.5	6661
High School 101	•				0.5	9139
Independent Study	•	•	•	•	1.0	9122/9123
Independent Study—Adapted/Functional	•	•	•	•	1.0	9135/9136
Junior Achievement	•	•	•	•	0.25	9130
Leadership Skills	•	•	•	•	1.0	9115/9116
Office Assistant	•	•	•	•	1.0	9183/9184
Seminar for Advanced Students—Adapted	•	•	•	•	1.0	9120/9121
Seminar in Learning Strategies—Adapted	•	•	•	•	1.0	9117/9118
Senior Project				•	1.0	9083/9084
Structure of Intellect	•	•	•	•	1.0	9071/9072
Student Coaching		•	•	•	1.0	9024/9025
Student Computer Aide			•	•	0.5	9185
Study Hall	•	•	•	•	-	9293/9294
Study Hall	•	•	•	•	-	9295/9296
Study Hall	•	•	•	•	-	9297/9298
Study Hall	•	•	•	•	-	9289/9290
Study Hall for Hearing Impaired—Adapted	•	•	•	•	-	9101/9102
Teacher Assistant	•	•	•	•	1.0	9181/9182
Technology System Management		•	•	•	0.5	9037
Training Tomorrow's Teachers Today		•	•	•	1.0	9048/9049
Work Experience			•	•	0.5	9112
English Reading Lab	•	•			1.0	9265/9266
Kansas Assessment Proficiency—Reading	•	•	•	•	0.25	9169
Kansas Assessment Proficiency—Science	•	•	•	•	0.25	9179
Kansas Assessment Proficiency—Social Studies	•	•	•	•	0.25	9189
Kansas Assessment Proficiency—Writing	•	•	•	•	0.25	9199
Kansas Reading Assessment Lab			•		0.5	9161
Reading & Writing 1	•	•	•	•	1.0	1955/1956
Reading & Writing 2	•	•	•	•	1.0	1965/1966
Reading & Writing 3	•	•	•	•	1.0	1975/1976
Reading & Writing 4	•	•	•	•	1.0	1985/1986

CONSORTIUM

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester
	9	10	11	12		
Postsecondary Studies						
A/V Communications						9099
Architecture & Construction						9078
Business and Marketing Management						9106
Engineering & Applied Mathematics						9109
Health Science						9111
Human Services			•	•	0.5	9113
Information Technology						9132
Visual Arts Postsecondary Studies						9428
LPSS						9140
Manufacturing Production						9186
Mobile Equipment Maintenance						9195
Restaurant & Event Management						9197

ACT Preparation

6918

Grade Level: 10, 11, 12
One semester—0.5 Credit

This course prepares students to take the ACT test. Students are introduced to the format of the test, different approaches to taking the test, and techniques designed to optimize student's responses on unfamiliar questions. Test taking techniques will include analyzing questions and answers to reduce the amount of guessing when the correct response is unknown. Students will take several practice tests that will be scored and used as a basis for improvement. Students will also be coached to develop their knowledge base in areas indicated as weak by practice tests.

Advocacy

Advocacy is an elective course that meets five hours per week. During half of each hour, the Advocacy curriculum is taught; the remaining half is used by students as an opportunity to learn with their own core or elective teachers. Grade Level: 9, 10, 11, 12

Advocacy .50	9133/9134
Advocacy .25	9408/9409
Advocacy .12/Advocacy .13	9238/9438

AVID

9021/9022

Grade Level: 9
Two semesters—1.0 Credit

The 9th grade AVID course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. Students will learn time management, practice goal-setting skills, create a four-year academic plan, demonstrate note-taking skills, work effectively in collaborative groups, and learn strategies for test preparation.

AVID 2

9031/9032

Grade Level: 10
Two semesters—1.0 Credit

The 10th grade AVID course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. To ensure success in college-prep course work, students work individually, as well as in tutor-led collaborative groups.

AVID 3

9035/9036

Grade Level: 11
Two semesters—1.0 Credit

The 11th grade AVID course is an elective class for students who are college bound. While concurrently enrolled in a college-prep course of study, students learn strategies to enhance success. To ensure success in college-prep course work, students work individually, as well as in tutor-led collaborative groups. Note-taking, outlining, writing, speaking, reading, test-taking strategies, and self-awareness are stressed. In addition, the course includes college motivational and career exploration activities.

AVID Senior Seminar

9045/9046

Grade Level: 12
Two semesters—1.0 Credit

The AVID Senior Seminar is the culmination of a student's years in the AVID program, and the course involves substantial critical reading and writing, preparation for external exams such as Advanced Placement and International Baccalaureate, and weekly Socratic seminars. Students enrolled in the Senior Seminar are required to complete weekly timed writings and analytical discourses in subjects across the curriculum. In addition, students are required to make oral presentations to the class on topics related to college entrance, contemporary issues, and social concerns. As with all AVID courses, the Senior Seminar features tutors, college students who lead discussions and analysis of the academic subjects in which the students are enrolled. Senior Seminar students, working with the tutor, are expected to participate in and eventually act as moderators for Socratic Seminars. These discussions move beyond didactic instruction and assist students in gaining multiple perspectives on texts, supporting arguments with clear reasoning and evidence, and developing their critical thinking skills to the degree necessary for success in college.

Community Service

9060

Grade Level: 10, 11, 12
One semester—0.5 Credit

Community Service experiences in non-profit organizations may be arranged by either the student or the school's representative. If arranged by the student, the volunteer service must be approved by the school's representative prior to the experience. Credit will be granted after students have successfully completed 90 hours of community service. Hours may be obtained during one semester or compiled over several semesters. Students will be enrolled and credit issued during the semester in which they complete the 90 hours. This course may be repeated for credit.

CONSORTIUM

Executive High School Internship Program

9100

Grade Level: 11, 12
One semester—1.0-3.5 Credits

In this course, juniors and seniors intending to go to college will serve as special assistant-in-training to executives in the city. As interns, students will work with sponsoring executives four days each week, observing and participating in the sponsor's regular responsibilities. One day each week, students will attend a seminar with the program coordinator. Students will write daily logs and prepare comprehensive final reports. Credits may be earned as interns in such fields as business management, medicine, and law. Applications may be obtained from a counselor or by telephoning the program director.

Gaming Concepts

6661

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit / not repeatable

In this course, students will participate in a variety of gaming experiences designed to support the following: demonstration of competency in motor skills; understanding movement concepts, principles, strategies, and tactics as they apply to the learning and performance of specific games; comprehending concepts related to health and preventative care in gamers; demonstrating the ability to use interpersonal communication skills that respect others in an online gaming environment; and analyzing the reciprocal influence of eSports, culture, media, technology, and other factors.

Group Dynamics

9016/9017

Grade Level: 9, 10, 11, 12
One or Two semesters—0.5 or 1.0 Credit

This class is designed to assist students in developing positive, productive life skills. The life skills curriculum will focus on such areas as self-esteem, decision-making, personal control, and interpersonal communication. This course may be repeated for credit.

High School 101

9139

Grade Level: 9
One semester—0.5 Credit

This class will ensure that all ninth grade students: 1) Become knowledgeable regarding credits, high school graduation requirements and courses needed for entering a two-year or four-year postsecondary college or university; 2) Learn study skills and test-taking skills needed for academic success in high school and beyond; 3) Develop the social skills needed to be effective learners in school and other arenas; 4) Learn important life skills such as goal setting, decision-making, and effective communication that can be applied to the challenges and responsibilities of early adulthood; 5) Gain keyboarding and basic computer literacy; 6) Explore career interests, learning about educational requirements and job opportunities in the preferred career clusters; and 7) Develop a strong awareness of postsecondary education options and an understanding of the steps needed to prepare for and finance education beyond high school. *Offered at West High School.*

Independent Study

9122/9123

Grade Level: 9, 10, 11, 12
One or Two semesters—0.5 or 1.0 Credit
Prerequisite: Teacher/Counselor Approval

This course is designed to assist the student to improve his/her GPA and to develop a positive attitude towards learning. This is accomplished through teacher assistance with study skills including periodic monitoring of student progress. Continual support and encouragement by the teacher, counselor and peer tutors is a vital component of this course. One-half credit per semester can be earned if the following criteria are met:

- 1) Improved GPA
- 2) Maintenance of good attendance
- 3) Wise use of class time
- 4) Demonstration of effective use of study skills

Independent Study —Adapted/Functional

9135/9136

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This course will provide the opportunity for students with special needs in the adapted curriculum strand to receive support for academic success in the mainstream and reinforce study skills. Repeatable as necessary.

Junior Achievement

9130

Grade Level: 9, 10, 11, 12
One semester—0.25 Credit

Students apply basic economic concepts to the ownership and operation of a business. Students elect officers, sell stock to capitalize their companies, manufacture and market a product or service, keep records, open bank accounts, meet payrolls, pay shareholders a profit and issue an annual report. The companies are advised by local business volunteers. Students will attend sessions outside the school day and must provide their own transportation to the work site. Credit is pass/fail. This course may be repeated for credit.

Leadership Skills

9115/9116

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

In this course, students will study the various qualities which enhance leadership capabilities. These will include such topics as communication skills, goal setting, meeting skills, group dynamics and parliamentary procedure. The students will participate in activities for leadership growth. This course may be repeated for credit.

Office Assistant

9183/9184

Grade Level: 9, 10, 11, 12
One or Two semesters—0.5 or 1.0 Credit
Prerequisite: Application and Approval

Students will be assigned to assist in duties within the school offices. They will receive training in the areas of their responsibility which may include: telephone techniques, office machines, public relations, filing procedures and work ethics, as well as communication skills. Students successfully completing the program will have practical experience to enhance marketable skills. This course may be repeated for credit.

Seminar for Advanced Students—Adapted

9120/9121

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Students in this course will extend work begun in previous environments for the gifted to further develop the Essential Elements and personal investigations. Students will apply for seminar enrollment through a teacher/facilitator for the gifted.

Seminar in Learning Strategies—Adapted

9117/9118

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Students in this course will extend work on learning strategies begun in previous LD classes. The Learning Strategies Curriculum, validated and researched at the KU Institute for Research on Learning Disabilities, serves as a guide for this class, and students are expected to develop skills in one or more of the strategies. The emphasis will be on application of the learning strategies to settings in which the student currently participates. The primary focus of this class is on developing autonomous learning strategies for application in other classes. This course may be repeated for a maximum of two credits unless the IEP specifies more.

CONSORTIUM

Senior Project 9083/9084 Grade Level: 12 One or Two semesters—0.5 or 1.0 Credit <p>In this course students will learn what they need to do in order to develop their research, portfolios, projects and presentations for Senior Boards.</p>	Study Hall for Hearing Impaired—Adapted 9101/9102 Grade Level: 9, 10, 11, 12 Two Semesters—0 Credit <p>In this course, students who are hearing impaired will receive assistance with classes in which they are currently enrolled. This class may be repeated.</p>
Structure of Intellect 9071/9072 Grade Level: 9, 10, 11, 12 One or Two semesters—0.5 or 1.0 Credit Prerequisite: Teacher recommendation and assessment <p>The course is designed to develop learning abilities and strengthen cognitive skills to promote learning. Students work on an individual basis to develop math and/or reading skills using computers to assist them in learning. Students are recommended for this course or they may apply for admission.</p>	Teacher Assistant 9181/9182 Grade Level: 9, 10, 11, 12 Two semesters—1.0 Credit Prerequisite: Application and Approval <p>Students enrolled as teacher assistants should perform work as described in a job description filed by the supervising teacher and approved by the building principal. Duties, of an education nature, should justify the work for one period per day. This course may be repeated.</p>
Student Coaching 9024/9025 Grade Level: 10 (Prerequisite: Student must have completed a full year as a student coach in 8th grade) Grade Level: 11, 12 Two semesters—1.0 Credit <p>Student Coaches are trained with skills such as pausing, paraphrasing and questioning techniques in order to support classroom students in becoming self-directed, self-managing, self-monitoring and self-modifying learners. A grade point average of 2.5 or higher, low absenteeism, and demonstrating potential in leadership are prerequisites of the Student Coaching program. Student Coaches must complete a Student Coaching Application process that includes one teacher recommendation, parent signature, and must complete the district level training. (This training is required of all new student coaches and all student coaches who take a year's break in his/her student coaching service.) Student Coaches must attend regular learning Co-Labs held periodically during the school day in their schools.</p>	Technology System Management 9037 Grade Level: 10, 11, 12 One semester—0.5 Credit <p>In this course, students with advanced computer technology skills will assist staff members in the installation, maintenance, and/or operation of site-based Local Area Networks, computer labs, software applications, or video distribution systems. Each site may develop its own application, approval, and supervisory process. This course may be repeated for credit.</p>
Student Computer Aide 9185 Grade Level: 11, 12 One semester—0.5 Credit Prerequisite: Programming 2 and Teacher Approval <p>The position of Student Computer Aide should be filled only by students who have completed computer courses through Programming 2. Students will assist teachers in maintaining computer equipment throughout the building. this course may be repeated for credit.</p>	Training Tomorrow's Teachers Today 9048/9049 Grade Level: 10, 11, 12 Two semesters—1.0 Credit <p>Future Teachers of America provides students with the opportunity to study education as a possible career choice. This study will include an introduction to the teaching profession, classroom observation at elementary , middle and high school settings, tutoring as a community service activity, and Individual Learning Plans designed to allow students to conduct research in a specific area of interest. This course may be repeated.</p>
Study Hall Students may elect to enroll in Study Hall in order to have time during the school day to study. Grade Level: 9, 10, 11, 12 36 Weeks — 0 Credit 	Work Experience 9112 Grade Level: 11, 12 One semester—0.5 Credit <p>This program involves both seminars and employment. Students attend a weekly one-hour seminar covering job-related topics. Seminars are held at times not conflicting with the student's class schedule or employment. An average of ten hours of employment per week is required. The school's representative will determine the appropriateness of employment for credit and will visit the employer each month. This course may be repeated for a maximum of two semesters.</p>
Study Hall 9293/9294 Study Hall 9295/9296 Study Hall 9297/9298 Study Hall 9289/9290	English Reading Lab 9265/9266 Grade Level: 9, 10 Two semesters—1.0 Credit <p>This course is designed for students who need extensive assistance in literacy skills. Students may use individualized materials in mastering specific competency objectives. The course will count as repeatable elective credit toward graduation, but will not count as one of the required language arts credits. Enrollment will be based on data and teacher recommendation.</p>

CONSORTIUM

Kansas Assessment Proficiency

This course is designed to encourage students to give their best effort to score proficient or above on the Kansas State Assessments.

Grade Level: 9, 10, 11, 12
4 Hours—0.25 Credit

Kansas Assessment Proficiency—Reading	9169
Kansas Assessment Proficiency—Science	9179
Kansas Assessment Proficiency—Social Studies	9189
Kansas Assessment Proficiency—Writing	9199

Kansas Reading Assessment Lab 9161

Grade Level: 11
One semester—0.5 Credit

This one semester course uses novels to enhance reading skills and develop literary analysis. Targets the lowest state indicators students struggled with using their first attempt at the state reading assessment.

Reading and Writing 1 1955/1956

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This course gives students with special needs the ability to increase their reading recognition and comprehension. Emphasis will be placed on vocabulary for the world of work and independent living. Reading for enjoyment will also be stressed. Repeatable as necessary.

Reading and Writing 2 1965/1966

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Master in Reading & Writing 1

In this course, students will participate in a very intensive literacy intervention to support continuation of improved proficiency in reading and writing. Students will continue to learn higher levels of decoding, comprehension and writing skills/strategies through specific literacy programming. Students must be placed through assessment screeners and/or have met mastery in Reading and Writing 1.

Reading and Writing 3 1975/1976

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Master in Reading & Writing 2

In this course, students will participate in a very intensive literacy intervention to support continuation of improved proficiency in reading and writing. Students will continue to learn more advanced and rigorous decoding, comprehension, and writing skills/strategies through specific literacy programming. Students must be placed through screening/assessment process and/or meet mastery in Reading & Writing 2.

Reading and Writing 4 1985/1986

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Master in Reading & Writing 3

In this course, students will participate in a very intensive literacy intervention to support continuation of improved proficiency in reading and writing. Students will master more advanced and rigorous decoding, comprehension, and writing skills/strategies through specific literacy programming. Students must be placed through screening/assessment process and/or meet mastery in Reading & Writing 3.

Postsecondary Studies

Postsecondary courses provide the opportunity for students to pursue post-secondary CTE studies with a regional community or technical college through courses that are eligible for student tuition support through the Kansas Board of Regents.

Grade Level: 11, 12
One semester—0.5 Credit

Postsecondary Studies	
A/V Communications	9099
Architecture & Construction	9078
Business and Marketing Management	9106
Engineering & Applied Mathematics	9109
Health Science	9111
Human Services	9113
Information Technology	9132
Visual Arts Postsecondary Studies	9428
LPSS	9140
Manufacturing Production	9186
Mobile Equipment Maintenance	9195
Restaurant & Event Management	9197

CAREER AND TECHNICAL EDUCATION

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum
	9	10	11	12			
21st Century Journalism	•	•	•	•	0.5	5711	Yes
Accounting		•	•	•	1.0	6013/6014	
Advanced Accounting			•	•	1.0	6015F/6016F 6015L/6016L	
Advanced Business Development			•	•	1.0	6703/6704	Yes
Advanced Computer Programming		•	•	•	1.0	5705/5706	Yes
Advanced Drafting/CAD 1 and 2			•	•	1.0	7053/7054	
Advanced Materials Technology			•	•	1.0	7039/7040	
Advanced Spreadsheets Applications		•	•	•	0.5	6009F	
Aerospace Engineering		•	•	•	1.0	7905/7906	
Aerospace Engineering Lab			•	•	1.0	7475F/7476F 7475L/7476L	
Ag Mechanics			•	•	1.0	4167F/4168F	
Ag Small Engines		•	•	•	1.0	4027F/4028F	
Agribusiness				•	1.0	4123/4124	
Agricultural Structures		•	•	•	1.0	4025F/4026F	
Agriscience	•	•	•	•	1.0	4117/4118	
Alternative Power 1	•	•	•	•	0.5	7219	Yes
Alternative Power 2			•	•	0.5	7220	Yes
Anatomy and Physiology			•	•	1.0	4821F/4822F	
Animal Health			•	•	1.0	4125/4126	
Animal Science		•	•	•	1.0	4119/4120	
Animation	•	•	•	•	0.5	5793	
AP Computer Science Principles		•	•	•	1.0	6745F/6746F 6745L/6746L	
Apparel Production 1	•	•	•	•	0.5	5833F	
Apparel Production 2	•	•	•	•	0.5	5834F	
Audio/Visual Production Fundamentals	•	•	•	•	0.5	5744	Yes
Auto Collision 1	•	•	•	•	1.0	7223F/7224F 7223L/7224L	Yes
Auto Collision 2		•	•	•	1.0	7225F/7226F 7225L/7226L	Yes
Auto Refinishing 1	•	•	•	•	1.0	7307F/7308F 7307L/7308L	Yes
Auto Refinishing 2			•	•	1.0	7309F/7310F 7309L/7310L	Yes
A/V Communications Independent Study			•	•	1.0	5827/5828	

CAREER AND TECHNICAL EDUCATION

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum
	9	10	11	12			
Aviation Fundamentals	•				0.5	7143F/7143L	
Aviation Pneumatics & Hydraulics			•	•	1.0	7147F/7148F 7147L/7148L	
Aviation Systems			•		1.0	7139F/7140F 7139L/7140L	
Aviation Workplace Experience			•	•	1.0	7149F/7150F 7149L/7150L	
Baking & Pastry 1	•	•	•	•	0.5	6729L	Yes
Baking & Pastry 2		•	•	•	0.5	6730	Yes
Bioengineering (North HS only)			•	•	1.0	7927F/7928F	
Biology (NE Magnet only)	•				1.0	4251X/4252X	
BioMed Anatomy and Physiology			•		1.0	4052/4053	
BioMed Biology Honors (North HS only)	•				1.0	4048/4049	
BioMed Chemistry Honors (North HS only)		•			1.0	4046/4047	
Biomedical Innovations				•	1.0	7125/7126	
Business Communications		•	•	•	0.5	6705	Yes
Business Economics		•	•	•	0.5	6719	
Business Essentials	•	•	•	•	0.5	6720	
Business Finance Independent Study			•	•	1.0	6709/6710	
Business Law		•	•	•	0.5	6170/6170L	Yes
Business Management		•	•	•	0.5	6706/6706L	Yes
Cabinetmaking & Furniture Design 1A, 1B	•	•	•	•	1.0	7511F/7512F	
Cabinetmaking & Furniture Design 2A, 2B			•	•	1.0	7521F/7522F 7521L/7522L	
Care of Athletes				•	0.5	4083	
Career and Life Planning	•	•	•	•	0.5	7635	
Career Connections			•	•	0.5	7669	
Certified Medication Aide				•	0.5	4073	
Certified Nursing Assistant			•	•	0.5	4074	
Civil Engineering and Architecture		•	•	•	1.0	7909/7910	
College Accounting			•	•	1.0	6017/6018	
Community Connections			•	•	0.5	7667	
Computer Aided Machining (CAM) 1			•	•	1.0	7529F/7530F 7529L/7530L	
Computer Aided Machining (CAM) 2			•	•	0.5	7543F	
Computer Essentials	•	•	•	•	0.5	5735	Yes
Computer Graphics	•	•	•	•	1.0	5741/5742	Yes

CAREER AND TECHNICAL EDUCATION

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum
	9	10	11	12			
Computer Integrated Manufacturing		•	•	•	1.0	7556/7557	
Computer Operating Systems	•	•	•	•	1.0	5837/5838	
Computer Programming	•	•	•	•	1.0	5747/5748	Yes
Computer Science Applications			•	•	1.0	6757F/6758F	
Computer Science Principles		•	•	•	1.0	6753F/6754F	
Construction Independent Study			•	•	1.0	7547/7548	
Culinary Applications			•	•	1.0	6725/6726	Yes
Culinary Arts 1		•	•	•	1.0	6727L/6728L	Yes
Culinary Arts 2			•	•	0.5	6731	Yes
Culinary Essentials	•	•	•	•	0.5	6732	Yes
Cybersecurity (East HS only)				•	1.0	6761F/6762F	
Database Applications (Northwest HS only)			•	•	1.0	5805F/5806F	
Database Management & Data Warehousing (Northwest HS only)			•	•	1.0	5809F/5810F	
DC Electronics			•	•	0.5	7215F/7215L	
Digital Electronics		•	•	•	1.0	7031/7032	
Digital Marketing		•	•	•	0.5	6633F	
Digital Media Design & Production			•	•	1.0	5745/5746	Yes
Digital Media Project Management			•	•	1.0	7253F/7254F	
Digital Media Technology		•	•	•	1.0	5713/5713T	Yes
Digital Video Production		•	•	•	1.0	5725/5726	Yes
Drafting/CAD 1 and 2	•	•	•	•	1.0	7045/7046	
Early Childhood Development Independent Study			•	•	1.0	7615/7616	
Early Childhood Education Foundations			•	•	1.0	7611/7612	
Early Childhood Education Lab			•	•	1.0	7613/7614	
Emergency & Fire Management Independent Study			•	•	1.0	7911/7912	
Emergency Medical Technician			•	•	1.0	7356L/7357L	
Emergency Medical Technician 2				•	1.0	7358L/7359L	
Engineering Design and Development			•	•	1.0	7043/7044	
Engineering Essentials	•	•	•	•	1.0	6763X/6764X	
Engineering Independent Study			•	•	1.0	7479/7480	
Engine Mechanical Repair	•	•	•	•	0.5	7232	Yes
Entrepreneurship (Wichita Alternative only)	•	•	•	•	0.5	6906	
Essentials of Interior & Textile Design	•	•	•	•	1.0	5752F 5749L/5749T	Yes
FACS Leadership in Action			•	•	0.5	7665/7665C	
Family & Consumer Services Independent Study			•	•	1.0	7663/7664	
Family Studies			•	•	0.5	7653	
Fashion Trends	•				0.5	6651F	
Financial Literacy			•	•	0.5	7610F	

CAREER AND TECHNICAL EDUCATION

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum
	9	10	11	12			
Firefighter 1		•	•	•	1.0	7352L/7353L	
Firefighter 2			•	•	1.0	7354L/7355L	
Fire Service Special Operations		•	•	•	0.5	7627	
First Aide/CPR/EMR		•	•	•	0.5	7627	
Flight Training			•	•	1.0	7289F/7290F	
Forensic Science			•	•	1.0	4401F/4402F	
Forensic Science 2				•	1.0	4005F/4006F	
Foundations in Law		•	•	•	1.0	7631/7632	
Fundamentals of Graphic Design		•	•	•	0.5	5712	Yes
Game Design			•	•	1.0	5775/5776	
General Service 1—Automotive	•	•	•	•	1.0	7233L/7234L	Yes
General Service 2—Automotive			•	•	1.0	7237L/7238L	Yes
General Service 3—Automotive			•	•	1.0	7239L/7240L	Yes
Graphic Design		•	•	•	1.0	5781/5782	Yes
Graphic Design Project Management			•	•	1.0	7255F/7256F	
Hand and Power Tools	•				0.5	7157F/7157L	
Hazardous Materials for First Responders			•	•	0.5	4202F	
Health Care 2			•		1.0	4093F/4094F	
Health Science 1	•	•	•	•	1.0	4135F/4136F	
Health Science 2		•	•	•	1.0	4137F/4138F	
Health Science Independent Study			•	•	1.0	4071/4072	
Home Health Aide				•	0.5	4076L	
Honors Financial Literacy			•		0.5	7630	
Honors Forensic Science			•	•	1.0	4403F/4404F	
Horticulture		•	•	•	1.0	4121/4122	
Horticulture and Greenhouse Management			•	•	1.0	4127/4128	
Human Body Systems		•	•	•	1.0	7119/7120	
HVAC Technology			•	•	0.5	7257F/7257L	
Hydraulics & Pneumatics			•	•	0.5	7427F/7427L	
IB Business & Management SL					1.0	6671/6672	
IB Computing SL					1.0	5811/5812	
Interactive Media	•	•	•	•	0.5	5700	
Interior & Textile Design Studio			•	•	1.0	5789F/5790F 5789L/5790L	Yes
Interior & Textile Independent Study			•	•	1.0	5757/5758	
Interior & Textile Merchandising	•	•	•	•	0.5	5759	Yes
Interior Design Applications			•	•	0.5	5779	
Introduction to Agriculture	•	•	•	•	0.5	4115/4116	
Introduction to Computer Science	•	•	•	•	1.0	6755F/6756F	
Introduction to Drawing and Design	•	•	•	•	0.5	8175X	
Introduction to EMS	•				0.5	7361X	
Introduction to Engineering Design	•	•	•	•	1.0	7041/7042	

CAREER AND TECHNICAL EDUCATION

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum
	9	10	11	12			
Introduction to Health Care	•				0.5	4091X	
Introduction to Industrial Technology	•	•	•	•	0.5	7470X 7470L	
Introduction to Law and Public Service	•	•			0.5	3481	
Introduction to Transportation	•	•			0.5	7241	Yes
Investing			•	•	0.5	6521	
IT Hardware Basics	•	•	•	•	1.0	5767F/5768F 5767L/5768L	Yes
Law Enforcement 1		•	•	•	1.0	7621F/7621L	
Law Enforcement 2			•	•	1.0	7622F/7622L	
LPSS Internship				•	0.5	7626	
Machine Tool Technology 1A and 1B	•	•	•	•	1.0	7404/7405	
Manufacturing Production Independent Study			•	•	1.0	7559/7560	
Marketing Applications			•	•	1.0	6629/6630	
Marketing Independent Study			•	•	1.0	6627/6628	
Mechanical Power Transmission Systems		•	•	•	0.5	7429F/7429L	
Media & Public Relations		•	•	•	0.5	5714	Yes
Medical Interventions			•	•	1.0	7123/7124	
Medical Terminology				•	0.5	4056	
Mobile Equipment Maintenance Independent Study			•	•	1.0	7581/7582	
Networking Project Management			•	•	1.0	5835F/5836F	
Network Security		•	•	•	0.5	5765/6765L	Yes
Networking Systems			•	•	0.5	5761/5761L	Yes
Network Systems Independent Study			•	•	1.0	5825/5826	
Nutrition and Wellness	•	•	•	•	0.5	7655	
Parenting and Child Development	•	•	•	•	0.5	7600	
Pharmacology				•	0.5	4077F/4077L	
Phlebotomy Technician				•	0.5	4075	
Photo Imaging	•	•	•	•	0.5	5715	Yes
Pipefitting Technology			•	•	1.0	7504/7505	
Plumbing Technology			•	•	0.5	7455	
Practical Law	•	•	•	•	0.5	6173F	
Principals of Applied Engineering	•				1.0	4011F/4012F	
Principles of Biomedical Sciences	•	•	•	•	1.0	7117/7118	
Principles of Illustration	•	•	•	•	0.5	5778	Yes
Principles of Marketing		•	•	•	1.0	6611/6612	
Production Blueprint Reading	•	•	•	•	0.5	7423X	
Production Print Reading II			•	•	0.5	7287F/7287L	
Production Methods 1		•	•	•	1.0	7283F/7284F 77283L/7284L	
Production Methods 2			•	•	1.0	7285F/7286F 7285L/7286L	

CAREER AND TECHNICAL EDUCATION

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum
	9	10	11	12			
Programming Development Project Management				•	1.0	5925F/5926F	
Programming Independent Study			•	•	1.0	5829/5830	
Remodeling and Building Maintenance			•	•	0.5	7546	
Residential Carpentry 1A and 1B	•	•	•	•	1.0	7033/7034 7033L/7034L	
Residential Carpentry 2A and 2B				•	1.0	7035F/7036F 7035L/7036L	
Restaurant Management Independent Study			•	•	1.0	6735/6736	
Robotics			•	•	1.0	7069/7070	
Routing & Switching			•	•	1.0	5815F	
Sheet Metal			•	•	0.5	7037F/7037L	
Skilled Mechanical Crafts	•	•			0.5	7058	
Sports and Entertainment Marketing		•	•	•	0.5	6801	
Sports Medicine 1 (West HS only)			•	•	1.0	4079/4080	
Sports Medicine 2 (West HS only)			•	•	1.0	4081/4082	
Teaching as a Career		•	•	•	1.0	7601C/7602C	
Teaching Observation			•	•	0.5	7628F/7628L	
Teaching/Training Independent Study			•	•	1.0	7915/7916	
Unmanned Aircraft System (UAS)			•	•	1.0	7103F/7104F 7103L/7104L	
Web & Digital Communications Independent Study			•	•	1.0	5831/5832	
Web & Digital Project Management			•	•	1.0	5738F/5739F	
Web Page Design		•	•	•	0.5	6743	Yes
Welding Processes 1		•	•	•	1.0	7301F/7302F 7301L/7302L	
Welding Processes 2			•	•	1.0	7303F/7304F 7303L/7304L	
Workbased Experience—Animal Science			•	•	1.0	4105F/4106F	
Workbased Experience—Aviation Comprehensive			•	•	0.5	7305	
Workbased Experience—Aviation Production			•	•	0.5	7030F	
Workbased Experience—Construction and Design			•	•	0.5	6635F	
Workbased Experience—Finance (.5 credit)			•	•	0.5	6000F	
Workbased Experience—Health Science 3				•	1.0	4139F/4140F	
Workbased Experience—Manufacturing Comprehensive			•	•	1.0	7525/7526	
Workbased Experience—Marketing (.5 credit)			•	•	0.5	6053F	
Workbased Experience—Plant Systems			•	•	1.0	4103F/4104F	
Workbased Experience—Power and Structural Systems			•	•	1.0	4101F/4102F	
Workbased Experience—Teaching Internship			•	•	1.0	7679/7680	Yes
Workbased Experience—Transportation			•	•	0.5	7527	Yes
Workplace Experience—Interior Design Applications			•	•	1.0	5807/5808	
World of Children	•	•	•	•	0.5	7900	
Youth Court			•	•	1.0	3517F/3518F	
Youth Entrepreneurs		•	•	•	1.0	6888/6889	

CAREER AND TECHNICAL EDUCATION

21st Century Journalism

5711

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit

21st Century Journalism is a technical level course in the Communications strand of the A/V Communications Pathway. It promotes the development of the skill set needed today and in the future in the field of journalism. 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 the ethical and legal issues related to the field.

Accounting (Workbook Fee)

6013/6014

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

Accounting is a technical level course in the Business Entrepreneurship & Management and Business Finance pathways, and the Marketing Management strand of the Marketing pathway. It introduces the fundamental accounting principles and procedures used in businesses. Course content typically includes the full accounting cycle, payroll, taxes, debts, depreciation, ledger and journal techniques, and periodic adjustments. Students may learn how to apply standard auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are used.

Advanced Accounting

6015F/6016F
6015L/6016L

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Accounting

Advanced Accounting is an application level course in the Accounting strand of the Business Finance pathway. It expands on the fundamental accounting principles and procedures used in businesses. Calculators, electronic spreadsheets, or other automated tools are usually used. Topics may include principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process and further enhancement of accounting skills.

Advanced Business Development

6703/6704

Grade Level: 11, 12
Two semesters—1.0 Credit

Advanced Business Communications is an application level course in the Business Entrepreneurship & Management pathway. Students will further develop their entrepreneurial skills of planning, organizing, directing and controlling functions of operating a business. This course includes classroom activities as well as further study of the field and discussion regarding real-world experiences and applications that students encounter in owning and managing a business. For off-campus experiences, students must provide their own transportation.

Advanced Computer Programming

5705/5706

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Computer Programming

Advanced Computer Programming will expose students to computer languages and tools used to design and develop computer programs and video games. This is a technical level course in the Programming & Software Development pathway and is a prerequisite for the next course, Game Design.

Advanced Drafting/CAD 1 and 2

7053/7054

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Drafting/CAD 1 and 2

Advanced Drafting/CAD 1 and 2 is an application level course in the Manufacturing Production pathway. It provides students with the advanced knowledge and skills needed to utilize CAD design and software at a higher level. *This course is offered at East, West, and Heights High Schools.*

Advanced Materials Technology

7039/7040

Grade Level: 11, 12
Pathway: Architecture and Construction
Two semesters—1.0 Credit
Prerequisite: Cabinet Making and Furniture Design 2A and 2B

An application level course to provide additional study on the use of CNC equipment, composite panel products, veneering, and the processes involved with fabricating goods with these technologies. *This course is offered at Heights and Northwest High School.*

Advanced Spreadsheets Applications

6009F

Grade Level: 10, 11, 12
One semester—0.5 Credit

Students will learn advanced spreadsheet skills to support their learning in statistics, data analytics, marketing, accounting, and finance. *This course is offered at Chester Lewis, East, Heights, North, Northwest, South, Southeast, and West High Schools.*

Aerospace Engineering

7905/7906

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Principles of Engineering

Aerospace Engineering is an application level course in the Engineering & Applied Mathematics pathway. Students apply math, reading and writing skills by using engineering principles that apply to aeronautics, flight, and engineering. This is a specialization course that involves the use of technology to solve engineering problems. *This course is offered at Northeast Magnet and Southeast High School.*

Aerospace Engineering Lab

7475F/7476F
7475L/7476L

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Teacher Approval and concurrent enrollment in Aerospace Engineering

Aerospace Engineering Lab is designed to be taken concurrently with Aerospace Engineering. This course will provide students a hands on opportunity to further the study, the principles of flight and aerospace engineering by participating in the building of a small plane. *This course is offered at North High School.*

CAREER AND TECHNICAL EDUCATION

Ag Mechanics

4167F/4168F

Grade Level: 11, 12
Two semesters—1.0 Credit

Ag Mechanics is a technical level course that trains students in the area of mechanical repair of agriculture equipment and machinery.

Ag Small Engines

4027F/4028F

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

Prerequisite: Introduction to Agriculture

Courses provide students with the opportunity to learn how to service & recondition small engines, typically emphasizing two and four-cycle engines. Courses, provide student with opportunities to troubleshoot and repair speed controls, lubrication, ignition, fuel, power transfer, cooling, exhaust, and starting systems; use hand , power, and overhaul tools; and read and interpret service manuals and parts' catalogs. Applications may include lawn mowers, tractors, tillers, power tools. *Offered at Southeast.*

Agribusiness

4123/4124

Grade Level: 12
Two semesters—1.0 Credit
Prerequisite: Animal Science and Horticulture

Agribusiness is an application level course that provides students with the information and skills necessary for success in agribusiness and in operating entrepreneurial ventures in the agricultural industry. These courses may cover topics such as economic principles, business management principles, marketing and merchandising. Other possible topics include developing a business plan, developing a production and operation plan, and employee/employer relations. *This course is offered at Southeast.*

Agricultural Structures

4025F/4026F

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Introduction to Agriculture

Agricultural Structures courses provide students with the skills and knowledge that are specifically applicable to the construction, maintenance, and repair of structures integral to the agricultural industry, including but not limited to animal enclosure, irrigation systems, and storage facilities. In these courses, students typically study design, planning and construction knowledge and skills (such as survey, carpentry, plumbing, concrete, and electrical systems), in addition to the safe operation of tools and machines. *Offered at Southeast.*

Agriscience

4117/4118

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Agriscience is a technical level course in both the Animal Science and Plant Systems pathways. Students will gain foundational knowledge in a wide range of agricultural topics, including plant and animal science, natural resource and environmental issues, food production and technology, business operations and management, and the careers available in the agricultural industry. *This course is offered at Southeast.*

Alternative Power 1

7219

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit

Alternative Power 1 is a technical level course in the Automotive Technician strand of the Mobile Equipment Maintenance pathway. It is designed to provide students with basic theories and information needed to develop an understanding of alternative power used in transportation.

Alternative Power 2

7220

Grade Level: 11, 12
One semester—0.5 Credit
Prerequisite: General Service 1—Automotive or Alternative Power 1

Alternative Power 2 is an application level course in the Automotive Technician strand of the Mobile Equipment Maintenance pathway. It is designed to provide students with more advanced information needed to perform service and maintenance on alternative powered vehicles. *Offered at North High.*

Anatomy and Physiology

4821F/4822F

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Biology or Teacher Recommendation

Anatomy and Physiology is a technical level course in the Health Science pathway. Students will study the structure, systems and functions of the human body. Students will learn to study bone and other organ tissues through hands-on dissection and with microscopes. This course also contains topics related to disease and disease prevention. *Offered at West High.*

Animal Health

4125/4126

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Animal Science

This is an application level course in the Animal Science pathway. Animal Health presents in depth information about animal health, anatomy and physiology, various animal body systems, veterinary practices, ethics of animal care, time management and work ethics. *Offered at Southeast.*

Animal Science

4119/4120

Grade Level: 10, 11, 12
Two Semesters - 1.0 credit
Prerequisite: Agriscience

This is a technical level course in the Animal Science pathway. To help students better understand animal science, students will study species origins and classifications, animal anatomy and physiology, prevention and treatment of animals, animal reproduction and breeding, animal safety and handling, and environmental conditions. *Offered at Southeast.*

Animation

5793

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit
Prerequisite: Computer Graphics or Interactive Media

Animation is a technical level course in the Web & Digital Communications pathway. This course emphasizes the development of digitally generated and/or computer enhanced media, including 2D and 3D spatial elements, graphic representation, management of movement, environmental representation (Including texture, color, value, form, line, and space), recording media, and distribution tools and methodologies.

CAREER AND TECHNICAL EDUCATION

AP Computer Science Principles

6745F/6746F
6745L/6746L

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

This course aims to develop computational thinking, generate excitement about careers that incorporate computing, introduces professional tools that foster creativity and collaboration, and provides students the opportunity to prepare and set for an AP test in this area. *Offered at Heights, North, South and Southeast.*

Apparel Production 1

5833F

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit

This technical level course introduces students to fabric characteristics, labeling and care. Students will demonstrate basic use of equipment and procedures needed to sew a garment. *Offered at East, Heights, North, Northwest, South, and Southeast High Schools.*

Apparel Production 2

5834F

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit
Prerequisite: Apparel Production 1

This technical level course provides students with an opportunity to explore design and develop skills for producing textile products and apparel. *Offered at East, Heights, North, Northwest, South, and Southeast High School*

Audio/Visual Production Fundamentals

5744

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit
Prerequisite: Computer Essentials Recommended

Audio/Video Production Fundamentals is a technical level course in the A/V strand of the A/V Communications pathway. It is designed to provide students with 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 exploring the equipment and techniques used to develop a quality audio video product..

Auto Collision 1

7223F/7224F
7223L/7224L

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit
Dual Credit Opportunity: WSU Tech (formerly WATC)

Auto Collision 1 is a comprehensive, technical level course in the Auto Collision & Refinishing strand of the Mobile Equipment Maintenance pathway. It is designed to instruct students in the knowledge and skills common to the collision industry. This course presents the opportunity to earn concurrent credit through WSU Tech. *Offered at South High School.*

Auto Collision 2

7225F/7226F
7225L/7226L

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Auto Collision 1
Dual Credit Opportunity: WSU Tech (formerly WATC)

Auto Collision 2 is a comprehension, application level course in the Auto Collision & Refinishing strand of the Mobile Equipment Maintenance pathway. It is designed to provide students with the advanced skills needed to perform diagnosis and repair in the collision industry. This course presents the opportunity to earn concurrent credit through WSU Tech. *Offered at South High School.*

Auto Refinishing 1

7307F/7308F
7307L/7308L

Grade Level: 9, 10, 11, 12
One semester—1.0 Credit

Auto Refinishing 1 is a technical level course in the Auto Collision and Refinishing strand of the Mobile Equipment Maintenance Pathway. It is designed to instruct students in the knowledge and skills common to the refinishing and vehicle painting industry. May be offered for College credit. This course is offered at South High School. With previous enrollment in Introduction to Transportation or Introduction to Industrial Tech.

Auto Refinishing 2

7209F/7310F
7209L/7210L

Grade Level: 11, 12
One semester—1.0 Credit
Prerequisite: Auto Refinishing 1

Auto Refinishing 2 is an application level course in the Auto Collision and Refinishing strand of the Mobile Equipment Maintenance Pathway. It is designed to instruct students in the advanced knowledge and skills needed to perform finishing and coating in the vehicle refinishing industry. This course may be offered for College credit. *This course is offered at South High School.*

A/V Communications Independent Study

5827/5828

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Biology or Teacher Recommendation

This is an independent study course designed cooperatively by the student and teacher. It enables students to explore topics of interest to the career pathway beyond the availability of application level courses. Students may expand their expertise in a particular specialization, explore a topic in greater detail, or develop more advanced skills.

CAREER AND TECHNICAL EDUCATION

Aviation Fundamentals

7143F/7143L

Grade Level: 9

One semester—0.5 Credit

Prerequisite: Aviation Engine Performance 1

Students will build an introductory understanding of aviation history, principles of flight, airplane configuration, materials and manufacturing processes, and aviation safety.

Aviation Pneumatics & Hydraulics

7147F/7148F
7147L/7148L

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Aviation Fundamentals

An application level course designed to teach students the basic theory and technical knowledge required to service pneumatic and hydraulic systems.

Aviation Systems

7139F/7140F
7139L/7140L

Grade Level: 10

Two semesters—1.0 Credit

Students will gain an in-depth knowledge of the major systems and components of an aircraft.

Aviation Workplace Experience

7149F/7150F
7149L/7150L

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: At least one application level credit in Aviation Pathway

Students will apply the technical skills they have gained in an aviation related business location. Students must be able to furnish their own transportation.

Baking & Pastry 1

6729L

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

Prerequisite: Culinary Essentials

Baking & Pastry 1 is a technical level course in the Culinary Arts strand of the Restaurant & Event Management pathway and focuses on instruction and skill development related to bakery items. Topics include study of grain production, nutritional values, and product performance as well as the application to grain products. Baking experiences include yeast breads, quick breads, cakes (and cake decoration), baked desserts, and other product outcomes using various flours and storage methods.

Baking & Pastry 2

6730

Grade Level: 10, 11, 12

One semester—0.5 Credit

Prerequisite: Baking & Pastry 1 and Culinary Essentials

Baking & Pastry 2 is a technical level course in the Culinary Arts strand of the Restaurant & Event Management pathway. It builds upon the Baking and Pastry 1 course by refining and expanding skills of production management. Topics include study of grain production, nutritional values, and product performance as well as the application to grain products. Baking experiences include yeast breads, quick breads, cakes (and cake decoration), baked desserts, and other product outcomes using various flours and storage methods.

Bioengineering

7827F/7928F

Grade Level: 11,12

Two semesters—1.0 Credit

Application level course where students have the opportunity to develop projects that are responsive to real-world problems, using solutions that depend on biological technologies by learning the techniques, strategies and vocabulary related to the engineering of synthetic biological systems. This subject will provide an engaging introduction for would-be biological engineers. *This course is offered at North High School.*

Biology

4251X/4252X

Grade Level: 9

Two semesters—1.0 Credit

Prerequisite: Program Acceptance

This course is the study of biology at the organismal level. Students will study bio-diversity, emphasizing an appreciation of the interdependence and interconnectedness between living organisms and their environment. *This course is offered at Northeast Magnet High School as part of CTE.*

BioMed Anatomy and Physiology

4052/4053

Grade Level: 11

Pathway: Health Science

Two semesters—1.0 Credit

Prerequisite: BioMed Chemistry

BioMed Anatomy and Physiology is a technical level course in the Health Science pathway. It is a more in-depth study of life science. Areas of emphasis include human anatomy, physiology, medical terminology & ethics, Human genetics, pathogenic microbiology, CPR training, and universal precautions that address chemical and bio-hazards in the workplace. The students will use this knowledge in Health Career Explorations. *This course may be taken for Science credit. This course is offered at North High School.*

BioMed Honors Biology

4048/4049

Grade Level: 9

Pathway: Health Science

Two semesters—1.0 Credit

Prerequisite: Acceptance into the program

BioMed Honors Biology is an introductory level course in the Health Science pathway. It is the study of biology at an organism level. Students will study bio-diversity, emphasizing an appreciation of the interdependence and interconnectedness between living organisms and their environment. *This course may be taken for Science credit. This course is offered at North High School.*

BioMed Honors Chemistry

4046/4047

Grade Level: 10

Pathway: Health Science

Two semesters—1.0 Credit

Prerequisite: BioMed Biology

BioMed Honors Chemistry is a technical level course in the Health Science pathway. It is a rigorous study of chemistry. The course emphasizes the strong connection between mathematics and science as all aspects are treated in stoichiometry, acids and bases, basic organic nomenclature, and energy level. Classwork is supplemented by extensive laboratory work. *This course is offered at North High School.*

CAREER AND TECHNICAL EDUCATION

Biomedical Innovations

7125/7126

Grade Level: 12

Two semesters—1.0 Credit

In the final course of the Biomedical Sciences sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology.

Business Communications

6705

Grade Level: 10, 11, 12

One semester—0.5 Credit

Prerequisite: Business Management

Business Communications is a technical level course in the Marketing pathway. Students learn 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, communication 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.

Business Economics

6719

Grade Level: 10, 11, 12

One semester—0.5 Credit

Prerequisite: Business Essentials in highly recommended

Business Economics is a technical level course in the Marketing and Business Finance pathways. It integrates economic principles (such as free market economy, consumerism, and the role of American government within the economic system) with entrepreneurship/business concepts (such as business law and risk).

Business Essentials

6720

Sowers, Gateway, Learning Centers use course # 6720T

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

Business Essentials is an introductory course designed to give students an overview of business, marketing, and finance careers. Students will participate in a variety of learning activities in the areas of economics, entrepreneurship, marketing, finance, and business law. In the final unit of study, students will identify employability and personal skills needed to obtain a career and be successful in the workplace as well as explore specific career and post-secondary education opportunities.

Business Finance Independent Study

6709/6710

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Teacher Approval

This is an independent study course designed cooperatively by the student and teacher. It enables students to explore topics of interest related to the career pathway beyond the availability of application level courses. Students may expand their expertise in a particular specialization, explore a topic in greater detail, or develop more advanced skills.

Business Law

6170/6170L

Grade Level: 10, 11, 12

One semester—0.5 Credit

Prerequisite: Business Essentials is highly recommended

Business Law is a technical level course in the Marketing pathway. It emphasizes legal concepts that are relevant to business and business organizations in both criminal and civil areas. Topics may include, but are not limited to, criminal violations, contracts, tort actions, legal organizational structure, negotiable instruments, and employment.

Business Management

6706/6706L

Grade Level: 10, 11, 12

One semester—0.5 Credit

Business Management is a technical level course in the Marketing pathway. It acquaints students with management opportunities and effective human relations. Students will learn skills to perform planning, staffing, financing, and controlling functions within a business. In addition, the course will provide a study of the business world, including business structure and finance, and the interconnections among industry, government, and the global economy. The course may also emphasize problem-based, real-world applications of business concepts and use accounting concepts to formulate, analyze, and evaluate business decisions.

Cabinetmaking & Furniture Design 1A and 1B

7511F/7512F

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Dual Credit Opportunity: WSU Tech (formerly WATC)

Cabinetmaking & Furniture Design 1A and 1B is a technical level course in the Construction pathway. It is a comprehensive course designed to instruct students in the basic knowledge and skills required for cabinetmaking and furniture design. This course presents the opportunity to earn concurrent credit through WSU Tech. *This course is offered at Heights and Northwest High Schools.*

Cabinetmaking & Furniture Design 2A and 2B

7521F/7522F

7521L/7522L

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Cabinetmaking & Furniture Design 1A and 1B

Cabinetmaking & Furniture Design 2A and 2B is an application level course in the Construction pathway. The advanced course is designed to instruct students with experience in constructing cases, cabinets, counters, furniture and interior woodwork. *This course is offered at Heights and Northwest High Schools.*

CAREER AND TECHNICAL EDUCATION

Care of Athletes

4083

Grade Level: 12
One semester—0.5 Credit
Prerequisite: Sports Medicine 1

Provide students with the knowledge of therapeutic tasks that would be designated by an athletic or fitness trainer. Topics may include taping and bandaging, proper use of protective padding, treatment strategies, anatomy and physiology, and medical terminology. Students may learn the processes to measure cardiorespiratory endurance, muscular strength and endurance, flexibility, body composition, and blood pressure. More advanced topics may include injury assessment, the phases of healing, and the use of exercise and equipment to help in the reconditioning of injured athletes. *This course is offered at West High School.*

Career and Life Planning

7635

Sowers, Gateway, Learning Centers only use course #7635T

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit

Students will develop career portfolios comprised of self-assessment results and reflections, career research, job attainment and retention resources and skill assessments, and documentation of methods to maintain multiple life roles.

Career Connections

7669

Grade Level: 11, 12
One semester—0.5 Credit
Prerequisite: One prior credit in the 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. For off-campus experiences, students must provide their own transportation.

Certified Medication Aide

4073

Grade Level: 12
Pathway: Health Science
One semester—0.5 Credit
Certification Opportunity: KS Certification in CMA
Prerequisite: Certified Nursing Assistant

This course prepares students to administer prescribed medications; observe and report patient reactions and side effects; and perform related emergency and recording duties under the supervision of an approved teacher, nurse or physician. This class includes instruction in basic anatomy and physiology, common medications and their side effects, taking vital signs, oxygen administration, medication administration and application, record-keeping, and patient observation. This class results in the opportunity to test for KS certification in CMA. Must be 18 at the time of clinical rotation. *This course is offered at North and West High Schools.*

Certified Nursing Assistant

4074

Grade Level: 11, 12
Pathway: Health Science
One semester—0.5 Credit
Certification Opportunity: KS Certification in CNA
Prerequisite: Health Science II at West
BioMed Anatomy & Physiology at North

This course prepares students to perform routine nursing-related services to patients in hospitals or long-term care facilities, under the training and supervision of an approved teacher, registered nurse or licensee practical nurse. This class results in the opportunity to test for KS certification in CNA. *This course is offered at North, Northeast and West High Schools.*

Civil Engineering and Architecture

7909/7910

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Principles of Engineering

Civil Engineering and Architecture is an application level course in the Engineering & Applied Mathematics pathway. An overview of the fields of civil engineering and architecture, the course emphasizes the interrelationship and dependence of both fields. Topics include the roles of civil engineers and architects, project planning, site planning, building design, and project documentation. Not repeatable for credit. *This course is offered at West High.*

College Accounting

6017/6018

Grade Level: 11, 12
Pathway: Business Finance
Two semesters—1.0 Credit
Prerequisite: Accounting

This year-long course covers all the learning objectives of a traditional college level financial accounting course, plus those from a managerial accounting course. Topics include an introduction to accounting, accounting information systems, time value of money, and accounting for merchandising firms, sales and receivables, fixed assets, debt and equity.

Community Connections

7667

Grade Level: 11, 12
One semester—0.5 Credit
Prerequisite: One prior credit in pathway

Community Connections course provides 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. For off-campus experiences, students must provide their own transportation.

Computer Aided Machining (CAM) 1

7529F/7530F
7529L/7530L

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Production Methods 1 or Machine Tool Technology

Computer Aided Machining 1 (CAM 1) is a technical level course in Manufacturing Production Pathway. It provides students with knowledge and skills to perform computer aided machining activities and practices. Student will learn both milling and turning using advance technology CNC equipment. This course may be offered for College credit

CAREER AND TECHNICAL EDUCATION

Computer Aided Machining (CAM) 2

7543

Grade Level: 11, 12

One semester—0.5 Credit

Prerequisite: Computer Aided Machining (CAM) 1

An application level course that builds on skills learned in Computer Aided Machining (CAM) I. This course introduces advanced methods used in creating computer-generated models and machining practices. This course may be offered for College credit. *This course is offered at Heights, North, North-west, and West.*

Computer Essentials

5735

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

Computer Essentials is an introductory level course in the A/V Communications, Network Systems, Programming & Software Development, Web & Digital Communications, and Visual Arts pathways. Students will acquire knowledge of and experience in the proper and efficient use of software commonly used in business and industry. This course explores a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing.

Computer Graphics

5741/5742

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Computer Essentials Recommended

Computer Graphics is a technical level course in the Web & Digital Communications pathway, and the Graphic Design strand of the Visual Arts pathway. It is also recommended for students in the A/V strand of the A/V Communications pathway. Students will explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching.

Computer Integrated Manufacturing

7556/7557

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Principles of Engineering

Computer Integrated Manufacturing is an application level course in the Engineering & Applied Mathematics pathway. It builds on skills in computer modeling design and exposes students to fundamentals of computerized manufacturing technology. The course covers prototype, CNC equipment, CAM software, robotics, and flexible manufacturing systems. Not repeatable for credit. *This course is offered at East and West High Schools.*

Computer Operating Systems

5837/5838

Grade Level: 9, 10, 11, 12

One semester—1.0 Credit

The goal of this course is to provide students a “starting place” for learning operating systems. Students who complete this course should understand operating system concepts, how to navigate the Graphic User Interface (GUI) and commands used in the Command Line Interface (CLI). Example operating systems: Linux, Windows, Mac OS

Computer Programming

5747/5748

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Algebra I

Computer Programming is a technical level course in the Programming & Software Development and Web & Digital Communications pathways. This course provides students with the knowledge and skills necessary to construct computer programs in one or more languages. Initially, students learn to structure, create, document, and debug computer programs, and as they progress, more emphasis is placed on design, style, clarity, and efficiency.

Computer Science Applications

6757F/6758F

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Computer Science Principles

In CSA, students collaborate to integrate technologies across multiple platforms, mobile devices, and networks. *This course is offered at East and Northeast High Schools.*

Computer Science Principles

6753F/6754F

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Introduction to Computer Science

This course aims to develop computational thinking, generate excitement about career paths that incorporate computing, and introduce professional tools that foster creativity and collaboration. *This course is offered at East and Northeast High Schools.*

Construction Independent Study

7547/7548

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Teacher Approval

This is an independent study course designed cooperatively by the student and teacher. It enables students to explore topics of interest related to the career pathway beyond the availability of application level courses. Students may expand their expertise in a particular specialization, explore a topic in great detail, or develop more advanced skills.

Culinary Applications

6725/6726

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Culinary Essentials and Culinary Arts 1

Culinary Applications is an application level course in the Culinary Arts strand of the Restaurant & Event Management pathway. The course applies the skills needed in the culinary arts profession. It includes the application of skills within a school-based, community-based experience or work-based internship and will cover an introduction of all aspects of an industry. Students enrolled in this course are expected to have mastered skills in the culinary field so that they are able to apply them in authentic experiences following industry standards and regulations. For off-campus experiences, students must provide their own transportation.

CAREER AND TECHNICAL EDUCATION

Culinary Arts 1

6727L/6728L

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Culinary Essentials

Culinary Arts 1 is a technical level course in the Culinary Arts strand of the Restaurant & Event Management pathway and focuses on skills generally recognized as important to the field of culinary arts. Topics include plating, garnishes, soups, sauces and main dish presentation. Bakery and desserts will be introduced, but are not the main focus of this course. Catering experiences may be included as well as observations of those already in the field that are responsible for these areas in the food production or a culinary kitchen.

Culinary Arts 2

6731

Grade Level: 11, 12
One semester—0.5 Credit
Prerequisite: Culinary Essentials and Culinary Arts 1

Culinary Arts 2 is a technical level course in the Culinary Arts strand of the Restaurant & Event Management pathway and focuses on the skills required when developing an understanding of menu modifications and application of nutrition principles to food prep. Students will implement management functions such as cost control and labor & overhead controls. An entrepreneurship experience may be part of this course.

Culinary Essentials

6732

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit

Culinary Essentials is a technical level course in the Restaurant & Event Management pathway. It is a comprehensive course that provides students with the knowledge and skills related to commercial and institutional food service establishments. Course topics include a focus on culinary math, sanitation and safety procedures, nutrition and dietary guidelines, food preparation, quantify food production, and meal planning and presentation. Students master the Food Handlers Test prior to utilizing the lab.

Cybersecurity

6761F/6762F

Grade Level: 12
Two semesters—1.0 Credit
Prerequisite: Computer Science Applications

Cybersecurity is an application level course in the Programming and Software Development pathway. This course introduces the tools and concepts of cybersecurity and encourages students to create solutions that allow people to share computing resources while protecting privacy. Students will solve problems by understanding and closing these vulnerabilities. *This course is offered at East and Northwest High Schools.*

Database Applications

5805F/5806F

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: IT Hardware Basics

Database Applications is a technical level course in the Information Support and Services pathway. The course provides students with an understanding of database development, modeling, design, and normalization. These courses typically cover such topics as SELECT statements, data definition, manipulation, control languages, records and tables, and can help prepare students for professional certifications. *This course is offered at Northwest High School.*

Database Management and Data Warehousing 5809F/5810F

Grade Level: 111, 12
Two semesters—1.0 Credit
Prerequisite: Database Applications

Database Management and Data Warehousing is an application level course in the Information Support and Services pathway. Database Management and Data Warehousing provides students with the skills necessary to design databases to meet user needs. More advanced topics may cover implementing interactive applications for common transactions. *This course is offered at Northwest High School.*

DC Electronics

7215F/7215L

Grade Level: 11, 12
One semester—0.5 Credit
Prerequisite: Foundations of Electronics

Students will gain in-depth knowledge of direct current fundamentals including Ohm's Law. Students will construct various DC circuits.

Digital Electronics

7031/7032

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Principles of Engineering

Digital Electronics is an application level course in the Engineering & Applied Mathematics pathway. It is a course of study in applied digital logic, using electronic logic circuits that first are designed and then tested using the latest computer digital-logic modeling technology. Students demonstrate a readiness for Algebra 1. A lab fee is required for this course. *This course is offered at West High School.*

Digital Marketing

6633F

Grade Level: 10, 11, 12
One semester—0.5 Credit

Digital Marketing is an optional technical course in the marketing pathway and will give students an opportunity to study new e-marketing strategies. Students will study the concepts and roles of ecommerce, examine the cultural and social influences of e-commerce and online branding, and develop a digital marketing and social media plan. *This course is offered at East High School.*

Digital Media Design & Production

5745/5746

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Digital Video Production

Digital Media Design & Production is an application level course in the A/V strand of the A/V Communications pathway. It is designed to provide students with the opportunity to apply the fundamental techniques learned in the Digital Video Production and Audio/Video Production Fundamentals courses 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.

CAREER AND TECHNICAL EDUCATION

Digital Media Project Management

7253F/7254F

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Digital Media Technology or Teacher Approval

An application level course in which students are taught the skills necessary for success in managing projects in a professional manner. The course covers effectively using time and resources, problem-solving and decision-making, and leadership skills.

Digital Media Technology

5713/5713T

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: 21st Century Journalism or Fundamentals of Graphic Design

Digital Media Technology is a technical level course in the Communications strand of the A/V Communications pathway. Students learn 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 work flow to project planning and completion and the software, equipment and tools used in the industry.

Digital Video Production

5725/5726

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Audio/Visual Production Fundamentals

Digital Video Production is an application level course in the A/V strand of the A/V Communications pathway. Students apply the technical skills learned in Audio/Video Production Fundamentals by planning projects from setting the objectives to the post-production evaluation. The subject of the presentations will address authentic needs in the school or community.

Drafting/CAD 1 and 2

7045/7046

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Drafting/CAD 1 and 2 is a technical level course in the Construction and Design and Manufacturing Production pathways. It provides students with the knowledge and skills needed to utilize CAD design and software. *This course is offered at East and West High Schools.*

Early Childhood Development Independent Study 7615/7616

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Teacher Approval

This is an independent study course designed cooperatively by the student and teacher. It enables students to explore topics of interest related to the career pathway beyond the availability of application level courses. Students may expand their expertise in a particular specialization, explore a topic in greater detail, or develop more advanced skills.

Early Childhood Education Foundations

7611/7612

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: World of Children or Parenting & Child Development

Co-requisite: Early Childhood Education Lab

Early Childhood Education Foundations is a technical level course in the Early Childhood Development & Services pathway. It provides students with knowledge about the physical, mental, emotional, and social growth and development of children from conception to pre-school age, emphasizing the application of this knowledge in child care settings. These courses typically include related topics such as the appropriate care of infants, toddlers, and young children.

Early Childhood Education Lab

7613/7614

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Early Childhood Education Foundations

Co-requisite: Early Childhood Education Foundations

Early Childhood Education Lab is an application level course in the Early Childhood Development & Services pathway. Students work as aides/caregivers, assisting with children's activities in the school's Child Development Center. Students must be 16 years of age, obtain a TB test and physical, KBI background check and complete required certification within the first 30 days of class.

Emergency & Fire Management Independent Study

7911/7912

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Teacher Approval

This is an independent study course designed cooperatively by the student and teacher. It enables students to explore topics of interest related to the career pathway beyond the availability of application level courses. Students may expand their expertise in a particular specialization, explore a topic in greater detail, or develop more advanced skills.

Emergency Medical Technician (Workbook Fee) 7356L/7357L

Grade Level: 11, 12

Two semesters—1.0 Credit

Dual Credit Opportunity: Hutchinson Community College

Prerequisite: Teacher Approval

Emergency Medical Technician is a technical level course in the Emergency & Fire Management Services pathway. The course is designed to provide students with the skills and knowledge to become an entry-level care provider as an EMT. A national registry examination is required for certification. This course presents the opportunity to earn concurrent credit through Hutchinson Community College. *This course is offered at Northeast Magnet, North, South, and West High Schools.*

CAREER AND TECHNICAL EDUCATION

Emergency Medical Technician II

7358L/7359L

Grade Level: 12

Two semesters—1.0 Credit

Prerequisite: Emergency Medical Technician

Emergency Medical Technician II is an application level course in the Emergency & Fire Management Services pathway and is a continuation of Emergency Medical Technician, designed to prepare students for the EMT certification test. The course is designed to further the students' knowledge and skills needed to attain EMT certification.

Engineering Design and Development

7043/7044

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Principles of Engineering and Introduction to Engineering Design

Engineering Design and Development is an application level course in the Engineering & Applied Mathematics pathway. It involves two-to four-person teams that research an open-ended problem and then design and construct a solution to it. Each team must submit progress reports and a final research paper. The team members then defend the solution with an oral presentation before an outside review panel.

Engineering Essentials

6763X/6764X

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Explore how engineers make a difference and improve lives, while using modern engineering tools, such as geographic information systems, 3-D solid modeling software, and prototyping equipment. Work on your own and as part of a team to develop solutions to community and global challenges that the next generation of engineers will face. *Offered at North High School.*

Engineering Independent Study

7479/7480

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Teacher Approval

This is an independent study course designed cooperatively by the student and teacher. It enables students to explore topics of interest related to the career pathway beyond the availability of application level courses. Students may expand their expertise in a particular specialization, explore a topic in greater detail, or develop more advanced skills.

Engine Mechanical Repair

7232

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

Engine Mechanical Repair is a comprehensive, technical level course in the Automotive Technician strand of the Mobile Equipment Maintenance pathway. It covers the tools, skills, and techniques required to perform basic engine mechanical repair and testing. This includes engine removal, installation, and maintenance. *This course is offered at North High School.*

Entrepreneurship

6906

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

Entrepreneurship is a technical level course in the Marketing Communications strand of the Marketing pathways. It acquaints students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields are typically from the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting and communications. *This course is offered at Wichita Alternative High School.*

Essentials of Interior & Textile Design

5752F/5749L/5749T

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Dual Credit Opportunity: WSU Tech (formerly WATC)

Essentials of Interior and Textile Design is a technical level course in the Interior & Textile strand of the Visual Arts pathway. It introduces students to and expands upon the various aspects of interior design industry, conveying the commercial application of principles and elements of design, production processes, and maintenance techniques to meet the design needs of humans. This course will also provide a discussion and exploration of career opportunities in interior, textiles, and set/exhibit design. Eligible for Fine Arts Credit. This course may present the opportunity to earn concurrent credit through WSU Tech.

FACS Leadership in Action

7665/7665C

Grade Level: 11, 12

One semester—0.5 Credit

Dual Credit Opportunity: Friends University

Prerequisite: World of Children or Family Studies or Parenting & Child Development

FACS Leadership in Action empowers individuals to assume advocacy roles which support families, communities, and consumers by researching social issues, developing and implementing an action plan, and applying decision making skills through civic engagement and service learning within Family and Consumer Sciences. *At Northwest High School, this course may provide a concurrent credit opportunity through Friends University.*

Family & Consumer Services Independent Study

7663/7664

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Teacher Approval

This is an independent study course designed cooperatively by the student and teacher. It enables students to explore topics of interest related to the career pathway beyond the availability of application level courses. Student may expand their expertise in a particular specialization, explore a topic in greater detail, or develop more advanced skills.

Family Studies

7653

Grade Level: 11, 12

One semester—0.5 Credit

Students will study social, emotional and physical growth during major life stages. Emphasis will be placed on awareness of self in relation to family members and peers. Units will include understanding stress, and elements in a changing self.

CAREER AND TECHNICAL EDUCATION

Fashion Trends

6651F

Grade Level: 9
One semester—0.5 Credit
Prerequisite: Apparel Production 1

Fashion Trends analyzes historical, current and projected influences on fashion, apparel, and interior design. Students demonstrate their technical knowledge to plan, create, and present a recycled, redesigned or sustainable apparel or interior design project.

Financial Literacy

7610F

Grade Level: 11, 12
One semester—0.5 Credit

Financial Literacy is a technical level course in the Business Finance and Family & Community Services pathway. The course provides students with the basic skills and knowledge needed to effectively manage one's personal finances. Topics covered include: an overview of personal financial management, careers, income and taxes, budgeting, bank accounts, credit and credit risks. Projects will be conducted throughout the course to provide experiences assisting students in developing effective consumer habits. **This course is required for 2013 graduates and beyond.**

Firefighter 1

7352L/7353L

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

Firefighter 1 is a technical level course in the Emergency & Fire Management Services pathway. The course will enable the student to perform basic fire services operations and gain basic knowledge of personal safety, personal protective clothing and equipment, fire service tools and equipment, fire behavior, building construction and tactics and strategies. The student will learn requirements for initial response to hazardous materials incidents and develop team communication skills necessary for emergency operations. This course presents the opportunity to earn concurrent credit through Hutchinson Community College. *This course is offered at Northeast Magnet and South High School.*

Firefighter 2

7354L/7355L

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Firefighter 1

Firefighter 2 is an application level course in the Emergency & Fire Management Services pathway. The course will provide students with the knowledge and skills needed to perform advanced fire control, hose and appliances, vehicle extrication, fire cause determination, special rescue, public fire education, building construction, fire detection and suppression systems, fire fighter safety, communications and indigent command. This course presents the opportunity to earn concurrent credit through Hutchinson Community College. *This course is offered at Northeast Magnet and South High School.*

Fire Service Special Operations

7921

Grade Level: 10, 11, 12
One semester—0.5 Credit
Prerequisite: Intro to LPSS

This Technical Level offering introduces students to all aspects of the fire service, including history and safety, to general emergency operation, through special operations (Technical Rescue and Hazardous Materials), and finally to other careers in the fire service (arson investigator, public education and code enforcement). *South HS only.*

First Aid/CPR/EMR

7627

Grade Level: 10, 11, 12
One semester—0.5 Credit

A technical level course designed to instruct students in the requirements and skills to obtain national certifications for First Aid, CPR, and Emergency Medical Responder.

Flight Training

7289F/7290F

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Must take at least 1.0 credit of Technical and Application Level combined in the Aviation pathways/including previous enrollment in Aviation Fundamentals.

.An Application level course builds upon knowledge previously learned on aircraft systems. Students will additionally explore weather, operations, and basic navigation principles. This course may be offered for college credit. *This course is offered at North, Northwest, Southeast, and West High Schools.*

Forensic Science

4401F/4402F

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Biology and Chemistry

An application level course that follows a background in biology and chemistry and provides students with knowledge and skills needed to pursue postsecondary training in LPSS careers requiring Forensic Science (i.e. Forensic Anthropology, Forensic Medicine, Medical Examiner). *This course is offered at North, Northeast Magnet, South, and West High Schools.*

Forensic Science 2

4005F/4006F

Grade Level: 12
Two semesters—1.0 Credit
Prerequisite: Forensic Science

An application level course that expands upon skills learned in Forensic Science and provides students with knowledge and skills needed to pursue postsecondary training in LPSS careers requiring Forensic Science (i.e., Forensic Anthropology, Forensic Medicine, Medical Examiner.) *This course is offered at South High School.*

Foundations in Law

7631/7632

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

This application level course will study the basic legal principles common to a broad base of everyday business activities and will provide practical law information necessary to develop problem-solving skills in our legal society. Topics include, but are not limited to, criminal law, juvenile law, torts, family law, discrimination, writing a brief and employee rights.

Fundamentals of Graphic Design

5712

Grade Level: 10, 11, 12
One semester—0.5 Credit
Prerequisite: 21st Century Journalism for Communications strand of A/V Communications pathway, none for Graphic Design strand of Visual Arts pathway

Fundamentals of Graphic Design is a technical level course in the Communications strand of the A/V Communications pathway and in the Graphic Design strand for the Visual Arts Pathway. Students will gain a basic understanding of the graphic design process. Topics include analyzing the design elements and principles, exploring industry tools, software and equipment and learning composition techniques to develop a quality product.

CAREER AND TECHNICAL EDUCATION

Game Design

5775/5776

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Advanced Computer Programming or Teacher Approval

Game Design is an application level course in the Programming & Software Development and Web & Digital Communications pathways. Game technologies represent the culmination of logic, sequence, tool utilization, and extension of skill. Programming process for this course will utilize all previously learned factors of programming logic, artistry, and interactivity.

General Service 1—Automotive

7233L/7234L

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

General Service 1—Automotive is a technical level course in the Automotive Technician strand of the Mobile Equipment Maintenance pathway. The course is designed to provide students with basic theories and information needed to develop an understanding of automotive and light truck vehicles. *This course is offered at North and South High Schools.*

General Service 2—Automotive

7237L/7238L

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: General Service 1—Automotive

General Service 2—Automotive is a application level course in the Automotive Technician strand of the Mobile Equipment Maintenance pathway. The comprehensive course is designed to provide students with knowledge in theory of operation, the equipment and the skills necessary for employment in the field of automotive and light truck vehicles service. *This course is offered at North and South High Schools.*

General Service 3—Automotive

7239L/7240L

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: General Service 2—Automotive

General Service 3—Automotive is an advanced, comprehensive application level course in the Automotive Technician strand of the Mobile Equipment Maintenance pathway. It is designed to build upon skills in the General Service 2—Automotive course and to provide additional opportunities for work-based experience. *This course is offered at North and South High Schools.*

Graphic Design

5781/5782

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Principles of Illustration or Fundamentals of Graphic Design

Graphic Design is a technical level course in the Graphic Design strand of the Visual Arts pathway. It emphasizes design elements and principles in the purposeful arrangement of images and text to communicate a message, ideas, or other information through digital or printed media. Focus of the course will be on creating art products such as advertisements, product designs, and identity symbols. Eligible for Fine Arts credit.

Graphic Design Project Management

7255F/7256F

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Graphic Design

An application level course in which students are taught the skills necessary for success in managing projects in a professional manner. The course covers effectively using time and resources, problem-solving and decision-making, and leadership skills.

Hand and Power Tools

7157F/7157L

Grade Level: 9

One semester—0.5 Credit

Students will gain a working knowledge of the hand and power tools used in aviation and manufacturing through hands-on learning activities.

Hazardous Materials for First Responders

4202F

Grade Level: 11, 12

One semester—0.5 Credit

Hazardous Materials for First Responders is a technical level course in the Emergency and Fire Management Service Pathway. The course is designed to provide students with information for awareness, recognition, and protocols of hazardous materials needed for employment in fire fighting occupations. *This course is offered at South High School.*

Health Care 2

4093F/4094F

Grade Level: 11

Two semesters—1.0 Credit

Health Care 2 has an emphasis on promoting and enhancing employability and leadership skills. Core technical skills required in all health care areas will be taught utilizing project-based learning. Post-secondary programs opportunities will be explored. *This course is available at Northeast Magnet and West.*

Health Science 1

4135F/4136F

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Health Science 1 exposes students in the Health Science Pathway to opportunities in health informatics, therapeutics, diagnostics, support services and biotechnology careers. The course also focuses on legal and ethical responsibilities, safety, teamwork, medical terminology and math as well as First Aid/CPR training. *This course is available at Northeast Magnet and West.*

Health Science 2

4137F/4138F

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Health Science 2 exposes students in the Health Science Pathway to the research and study of diseases, disorders and diagnostic careers. Personal safety, lab skills, professional standards and employability and academic skills will be emphasized. College credit may be available. *Course available at Northeast Magnet and West.*

Health Science Independent Study

4071/4072

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Teacher Approval

This is an independent study course designed cooperatively by the student and teacher. It enables students to explore topics of interest related to the career pathway beyond the availability of application level courses. Student may expand their expertise in a particular specialization, explore a topic in greater detail, or develop more advanced skills.

CAREER AND TECHNICAL EDUCATION

Home Health Aide 4076L

Grade Level: 12
One semester—0.5 Credit
Prerequisite: Certified Nurse Assistant

This course will teach students how to care for individuals within their homes under the direct supervision of an approved teacher, nurse or physician. Course content will include patient care, comfort, and safety; anatomy and physiology; the prevention of disease and infection; nutrition and meal preparation; human relations; and first aid and CPR. Additional topics that must be included to receive a full credit are therapy strategies, household management, and employability. *This course is offered at North and West High.*

Honors Financial Literacy 7630

Grade Level: 11
One semester—0.5 Credit

The Honors Financial Literacy course provides students with more in-depth skills and knowledge needed to effectively manage one's personal finances. Topics covered include the following: an overview of personal financial management, careers, income and taxes, budgeting, banking accounts, credit, and credit risks. Projects will be conducted through the course to provide experiences assisting students in developing effective consumer habits.

Honors Forensic Science 4403F/4404F

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Biology and Chemistry

This is a higher level course that follows a background in biology and chemistry and provides students with knowledge and skills needed to pursue postsecondary training in LPSS careers requiring Forensic Science (i.e. Forensic Anthropology, Forensic Medicine, Medical Examiner).

Horticulture 4121/4122

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Agriscience

In Horticulture, a technical level course, students will study horticulture industry and career opportunities, plant structure and growth processes, soils and soil fertility, and plant genetics and propagation. Other topics include weed and disease control, basic greenhouse practices, vegetable gardening, and work place skills and resource management. *This course is offered at Southeast High School.*

Horticulture and Greenhouse Management 4127/4128

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Horticulture

This application level course will allow more in-depth study about commercial greenhouse operations and management, container growing, greenhouse production and pest management, and floral design. Other topics include business aspects of retail greenhouse operations such as customer relations, pricing, work place skills and resource management. *This course is offered at Southeast High School.*

Human Body Systems 7119/7120

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Manikin®, use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on roles of biomedical professionals to solve real-world medical cases. *Offered at North High School.*

HVAC Technology 7257F/7257L

Grade Level: 11, 12
One semester—0.5 Credit
Prerequisite: Sheet Metal

An application level course designed to provide students with exposure to and training in the theories, equipment and skills needed to install and maintain HVAC systems in a construction application. *This course is offered at South High School.*

Hydraulics and Pneumatics 7427F/7427L

Grade Level: 11, 12
Pathway: Manufacturing
One semester—0.5 Credit
Prerequisite: Mechanical Power Systems

An application level course designed to provide students with advanced knowledge and skills in operating, maintaining, and troubleshooting hydraulic and pneumatic systems. *This course is offered at Southeast High School.*

IB Business and Management SL 6671/6672

Two semesters—1.0 Credit

IB Business Management SL is designed to give students an understanding of business principles, practices and skills. Emphasis is also placed on understanding technical innovation and day-to-day business functions of marketing, human resources management and finance. Case studies will demonstrate the context of the forces and circumstances that drive change in an interdependent and multicultural world. Real world applications will enable students to become critical and effective participants in local and world affairs. *This course is offered at East High School.*

IB Computing SL 5811/5812

Two semesters—1.0 Credit
Prerequisite: Programming, Advanced Programming Recommended

IB Computing SL is an application level course in the Programming & Software Development pathway. It builds upon Java and prepares the student for the SL exam. Emphasis is on variables, written statements, three different loops, procedures, functions, arrays, records, sets, algorithms, and the logic needed to write programs. Students prepare a dossier as part of their IB examination requirement. *This course is offered at East High School.*

Interactive Media 5700

Grade Level: 9, 10, 11, 12
Pathway: Web & Digital Communications
One semester—0.5 Credit

This course provides students with the knowledge and skills to create, design, and produce interactive media products and services. The course will emphasize the development of digitally generated and/or computer-enhanced media. Course topics will include animation, graphic and digital media, web tools, and game programming.

CAREER AND TECHNICAL EDUCATION

Interior & Textile Design Studio

5789F/5790F
5789L/5790L

Grade Level: 11, 12
Two semesters—1.0 Credit
Dual Credit Opportunity: WSU Tech (formerly WATC)
Prerequisite: Essentials of Interior & Textile Design or
Interior & Textile Merchandising

Interior & Textile Design Studio is an application level course in the Interior & Textile strand of the Visual Arts pathway. It is designed to provide students with the opportunity to expand knowledge and experiences with 4-dimensional design forms as they relate to human needs. Topics will include the language, materials, and processes used to apply the design elements and principles based upon designers, periods, and styles. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own design styles to meet the needs of a client. The course is client driven in the interior, textile or apparel fields. This course presents the opportunity to earn concurrent credit through WSU Tech.

Introduction to Computer Science

6755F/6756F

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Algebra I or concurrent enrollment in Algebra I

ICS is designed to be the first computer science course for students who have never written code. Students create apps for mobile devices, explore the impact of computing in society, and learn how computing applies in various career fields. *This course is offered at East and Northeast High Schools.*

Introduction to Drawing and Design

8175X

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit

Introduction to Drawing and Design is part of the Graphic Design and FAID pathways and emphasizes the development of fundamental drawing and design skills. The focus will be on the application of art theory, processes and techniques, and design and composition through hard and/or electronic software. This course may be taken for Fine Arts credit.

Interior & Textile Independent Study

5757/5758

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Teacher Approval

This is an independent study course designed cooperatively by the student and teacher. It enables students to explore topics of interest related to the career pathway beyond the availability of application level courses. Students may expand their expertise in a particular specialization, explore a topic in greater detail, or develop more advanced skills.

Interior & Textile Merchandising

5759

Grade Level: 9, 10, 11, 12
Two semesters—0.5 Credit

Interior & Textile Merchandising is a technical level course in the Interior & Textile strand of the Visual Arts pathway. It centers upon the merchandising of interior and textile products in a variety of settings. Topics include exploring cycles, trends and style as well as the techniques in coordination, promotion, display and sales of interior and textile items. Students will gain the basic skills needed to sew interior and textile products.

Introduction to EMS

7361X

Grade Level: 9
One semester—0.5 Credit

Introduction to EMS is designed to provide students an overview and history of pre-hospital emergency medical care. In addition to learning the background of EMS, students will also be introduced to the basics of medical education. This course should be a serious consideration for any student who plans to continue their medical education in classes such as: First-AID, Anatomy & Physiology Medical Terminology and Emergency Medical Technician (EMT). *This course is offered at South High School.*

Introduction to Engineering Design

7041/7042

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Introduction to Engineering Design is a technical level course in the Engineering & Applied Mathematics pathway. It is designed to develop students' problem solving skills, with emphasis on visualization and communication skills using a computer and 3-D solid modeling software. Students need to demonstrate a readiness for Algebra 1.

Interior Design Applications

5779

Grade Level: 11, 12
One semester—0.5 Credit
Prerequisite: Essentials of Interior & Textile Design within the Interior & Textile strand of the Visual Arts pathway or 1.0 technical level credit within the Design & Pre-construction pathway

Interior Design Applications is an application level course in the Interior & Textile strand of the Visual Arts pathway and the Design & Pre-construction pathway. Students will learn the skills necessary to design interior spaces that acknowledge client needs, legislated codes, historic, current, and future trends, and public policy. For off-campus experiences, students must provide their own transportation.

Introduction to Health Care

4091X

Grade Level: 9
One semester—0.5 Credit

Introduction to Health Care is designed for ninth grade students to become knowledgeable of the skills, courses and requirements to be successful in the Health Science pathway. Students will learn study skills and explore career interests in health care. At the completion of the course, students will have a strong understanding of the steps needed to prepare for the finance education beyond high school. *This course is offered at North, Northeast and West High Schools.*

Introduction to Agriculture

4115/4116

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit

This course introduces students to a wide array of topics within the agricultural industry, the varied types of agriculture, and career opportunities. Students will explore the business side of agriculture, plant and animal systems, natural resources and environmental issues, and decision making and problem solving. *This course is offered at Southeast HS only.*

CAREER AND TECHNICAL EDUCATION

Introduction to Industrial Technology

7470X

7470L

Grade Level: 9, 10, 11, 12

Introduction to Industrial Technology is an introductory level course in the Construction, Construction & Design, and Manufacturing Production pathways. It is also in the Automotive Technician and Automotive Collision & Refinishing strands of the Mobile Equipment Maintenance pathway. It is designed to instruct students in the basic skills necessary for industrial, manufacturing and automotive occupations.

Introduction to Law and Public Service

3481

Grade Level: 9, 10

One semester—0.5 Credit

Introduction to Law and Public Service is an introductory course in the Emergency & Fire Management Services pathway. The course will examine law-related material and career options. It is designed to be an introduction to law and the legal system. An individual law-related project will be completed, presented and displayed by each student. There will be a special emphasis placed on a fire science unit in cooperation with the Wichita or Sedgwick County Fire Departments. *This course is offered at Northeast Magnet and South High Schools.*

Introduction to Transportation

7241

Grade Level: 9, 10

One semester—0.5 Credit

Introduction to Transportation is an introductory level course in the Automotive Technician and Motorcycle Technician strands of the Mobile Equipment Maintenance pathway. Students gain an overview of transportation industry skills and career opportunities, as well as the education required to acquire each career. *This course is offered at North and South High School.*

Investing

6521

Grade Level: 11, 12

One semester—0.5 Credit

Prerequisite: YEK or Accounting

Investing is an application level course in the Finance strand of the Business Finance pathway. It enables a student to develop a better understanding and attitude towards our market economy; to acquire a broader background of knowledge in all matters dealing with money; and to acquire skills and information necessary to deal with business and consumer issues relating to finance.

IT Hardware Basics

5767F/5768F

5767L/5768L

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

IT Hardware Basics is a technical level course in the Network Systems pathway. It is designed to provide students with in-depth exposure to computer hardware and operating systems. Course topics include the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Students learn to assemble and configure a computer, install operating systems & software, and troubleshoot problems.

Law Enforcement 1

7621F/7621L

Grade Level: 10, 11, 12

Dual Credit Opportunity: WSU Tech (formerly WATC)

Two semesters—1.0 Credit

A technical level course, Law Enforcement 1 is the first of two courses designed to provide students with the skills and knowledge necessary to obtain entrance to the Law Enforcement or Highway Patrol Academy. This course presents the opportunity to earn concurrent credit through WSU Tech. *This course is offered at South High School.*

Law Enforcement 2

7622F/7622L

Grade Level: 11, 12

Dual Credit Opportunity: WSU Tech (formerly WATC)

Two semesters—1.0 Credit

Prerequisite: Law Enforcement 1

A technical level course, Law Enforcement 2 is the second of two courses designed to provide students with the skills and knowledge necessary to obtain entrance to the Law Enforcement or Highway Patrol Academy. This course presents the opportunity to earn concurrent credit through WSU Tech. *This course is offered at South High School.*

LPSS Internship

7626

Grade Level: 12

One semester—0.5 Credit

LPSS Internship is an application level course within the Law, Public Safety, and Corrections and Security cluster. It provides students with work experience in fields related to law, public safety, corrections and security. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). This course may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. For off-campus experience, students must provide their own transportation.

Machine Tool Technology 1A and 1B

7404/7405

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Machine Tool Technology 1A and 1B is a technical level course in the Manufacturing Production pathway. It is a comprehensive course designed to instruct students in the basic theories, equipment and skills needed to perform machining activities. *This course is offered at Northwest and West High Schools.*

Manufacturing Production Independent Study

7559/7560

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Teacher Approval

This is an independent study course designed cooperatively by the student and teacher. It enables students to explore topics of interest related to the career pathway beyond the availability of application level courses. Students may expand their expertise in a particular specialization, explore a topic in greater detail, or develop more advanced skills.

CAREER AND TECHNICAL EDUCATION

Marketing Applications

6629/6630

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Principles of Marketing

Marketing Applications is an application level course in the Marketing pathway. This course furthers student understanding and skills in the various marketing functions. Students coordinate management activities, discuss the nature of marketing plans, generate product ideas, coordinate activities in the promotional mix, and demonstrate specialized sale processes and techniques. Economic and financial concepts are also stressed throughout the course. As an added component to classroom learning, students will engage in hands on, real world activities through a variety of instructional methods including Project Based Learning activities. Student participation in co-curricular DECA is strongly encouraged.

Marketing Independent Study

6627/6628

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Teacher Approval

This is an independent study course designed cooperatively by the student and teacher. It enables students to explore topics of interest related to the career pathway beyond the availability of application level courses. Students may expand their expertise in a particular specialization, explore a topic in greater detail, or develop more advanced skills.

Mechanical Power Transmission Systems

7429F/7429L

Grade Level: 10, 11, 12
One semester—0.5 Credit

A technical level course designed to provide students with knowledge and skills needed to adjust, maintain, and repair parts of machinery and equipment. Includes preventive maintenance, flexible drives, couplings, alignment, bearings/shafts/seals, gears, and cams. This course may be offered for College credit

Media & Public Relations

5714

Grade Level: 10, 11, 12
One semester—0.5 Credit
Prerequisite: 21st Century Journalism & Fundamentals of Graphic Design

Media & Public Relations is a technical level course in the Communications strand of the A/V Communications pathway. Students will build skills needed to communicate messages to the public as it relates to topics of concern. Topics will include conflict awareness, reliability of sources, creating publicity materials, public relations campaigns and working with media.

Medical Interventions

7123/7124

Grade Level: 11, 12
Two semesters—1.0 Credit

Students follow the life of a fictitious family as they investigate how to detect and fight infection; screen and evaluate the code in human DNA; conquer cancer; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices and diagnostics. *This course is offered at North High School.*

Medical Terminology

4056

Grade Level: 12
Pathway: Health Science
One semester—0.5 Credit
Prerequisite: Health Science II at West High School
BioMed Anatomy and Physiology at North High School

In this course, students learn how to identify medical terms by analyzing their components. These courses emphasize defining medical prefixes, root words, suffixes, and abbreviations. The primary focus is on developing both oral and written skills in the language used to communicate within health care professions. Students will develop skills in terminology used for charting, electronic record keeping, health care documentation, standards, office filing, and specific areas of medicine of the teacher's discretion. *This course is offered at North and West High Schools.*

Mobile Equipment Maintenance Independent Study

7581/7582

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Teacher Approval

This is an independent study course designed cooperatively by the student and teacher. It enables students to explore topics of interest related to the career pathway beyond the availability of application level courses. Students may expand their expertise in a particular specialization, explore a topic in greater detail, or develop more advanced skills.

Networking Project Management

5835F/5836F

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Networking Systems

Networking Project Management is an application level course in the Networking Systems pathway. The course provides students an opportunity to solve real world network systems problems. Examples could include analyzing existing network systems to develop recommendations for network structures that meet customer requirements. *This course is offered at Northwest High School.*

Network Security

5765/5765L

Grade Level: 10, 11, 12
One semester—0.5 Credit
Pre

Network Security is a technical level course in the Network Systems pathway. Students learn how to design and implement security measures in order to reduce the risk of data vulnerability and loss. Course content usually includes typical security policies; firewall design, installation, and management; secure router design configuration, and maintenance; and security-specific technologies, products, and solutions.

CAREER AND TECHNICAL EDUCATION

Networking Systems

5761/5761L

Grade Level: 11, 12

One semester—0.5 Credit

Dual Credit Opportunity: Hutchinson Community College

Prerequisite: IT Hardware Basics or Teacher Approval

Networking Systems is a technical level course in the Network Systems pathway. It is designed to provide students with the opportunity to understand and work with hubs, switches, and routers. Students develop an understanding of LAN (local area network), WAN (wide area network), wireless connectivity, and Internet-based communications with a strong emphasis on network function, design, and installation practices. Students acquire skills in the design, installation, maintenance, and management of network systems that may help them obtain network certification. This course presents Northwest students the opportunity to earn concurrent credit through Hutchinson Community College.

Network Systems Independent Study

5825/5826

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Teacher Approval

This is an independent study course designed cooperatively by the student and teacher. It enables students to explore topics of interest related to the career pathway beyond the availability of application level courses. Students may expand their expertise in a particular specialization, explore a topic in greater detail, or develop more advanced skills.

Nutrition and Wellness

7655

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

Nutrition and Wellness is a technical level course in the Family & Community Services pathway and the Culinary Arts strand of the Restaurant and Event Management pathway. It focuses on personal health topics such as nutrition, stress management, drug/alcohol abuse prevention, and disease prevention. Course objectives include helping students develop decision-making, communication, interpersonal, and coping skills and strategies.

Parenting and Child Development

7600

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

Parenting and Child Development is a technical level course in the Teaching/Training, Early Childhood Development & Services, and Family & Consumer Science pathways. Students study human growth and development and the physical, intellectual, social and emotional development of children and individuals from conception throughout the life span with emphasis on awareness of the special responsibilities of parenting and discipline of child rearing. Students learn to observe, record, compare, research, and discuss behavior of children as a means toward understanding.

Pharmacology

4077F/4077L

Grade Level: 12

Pathway: Health Sciences

One semester—0.5 Credit

Prerequisites: Health Science Terminology 2 (West only)

Co-requisite: BioMed Anatomy and Physiology (North only)

Students will gain knowledge in the study of the bioprocesses of organisms, cells and/or their components and enable them to use this knowledge to produce or refine products, procedures, and techniques. Course topics typically include laboratory measurement, monitoring, and calculation; growth and reproduction; chemistry and biology of living systems; quantitative problem-solving; data acquisition and display; and ethics. Advanced topics may include elements of biochemistry, genetics, and protein purification techniques. Biotechnology has application in four major industrial areas, including health care (medical), crop production and agriculture, non-food (industrial) uses of crops, and other products (e.g. biodegradable plastics, vegetable oil, biofuels, and environmental uses.) *This course is offered at North and West high Schools.*

Phlebotomy Technician

4075

Grade Level: 12

Pathway: Health Science

One semester—0.5 Credit

Certification Opportunity: KS Phlebotomy Technician

Prerequisite: Health Science II (West only); BioMed Anatomy and Physiology (North only)

This course prepares students, under the supervision of physicians and other health care professionals, to draw blood samples from patients using a variety of intrusive procedures. This class includes instruction in basic vascular anatomy and physiology, blood physiology, skin puncture techniques, venipuncture, venous specimen collection and handling, safety and sanitation procedures, and applicable standards and regulations associated with phlebotomy. This class results in the opportunity to test for KS certification as a Phlebotomy Technician.

Photo Imaging

5715

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

Photo Imaging is a technical level course in the Communications strand of the A/V Communications pathway and in the Graphic Design strand of the Visual Arts pathway. Students learn the technical skills needed to produce quality images for use in a variety of applications. Topics include use of equipment, software and techniques to take, edit and manipulate digital images. *Eligible for Fine Arts Credit.*

Plumbing Technology

7455

Grade Level: 11, 12

One semester—0.5 Credit

Prerequisite: 1.0 Credit at the technical level

Plumbing Technology is an application level course in the Construction pathway. It is designed to provide students with exposure to and training in the theories, equipment and skills needed to install and maintain plumbing techniques. *This course is offered at South High School.*

Practical Law

6173F

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

This technical level course will study the basic legal principles common to a broad base of everyday business activities and will provide practical law information necessary to develop problem-solving skills in our legal society. Topics include, but are not limited to, criminal law, juvenile law, torts, family law, discrimination, writing a brief and employee rights.

CAREER AND TECHNICAL EDUCATION

Principals of Applied Engineering

4011F/4012F

Grade Level: 9

Two semesters—1.0 Credit

A technical level course in which students build and understanding of engineering and engineering technology through hands-on problem solving activities, and explore career options.

Principles of Biomedical Sciences

7117/7118

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

In the introductory course of the BMS program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged this person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems. *This course is offered at North and Northeast Magnet High Schools.*

Principles of Illustration

5778

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

Principles of Illustration is a technical level course in the Visual Arts pathway. Students explore a variety of media, tools and supports as a means to communicate ideas. Topics include an understanding of traditional and digital illustration as it applies to careers in graphic design, animation, fashion/textile design, industrial design, web design, architecture, interior design and/or fine arts. *This course may be taken for Fine Arts credit.*

Principles of Marketing

6611/6612

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Principles of Marketing is a technical level course in the Marketing pathway. This course offers students insight into the processes affecting the flow of goods and services from the producer to the consumer. Course content ranges considerably in general marketing principles such as purchasing, distribution, and sales. As an added component to classroom learning, students will engage in hands-on, real world activities through a variety of instructional methods including guest speakers, computer simulations, and DECA activities. Student participation in co-curricular DECA is strongly encouraged.

Production Blueprint Reading

7423X

Grade Level: 9, 10, 11, 12

Pathway: Manufacturing

One semester—0.5 Credit

This course is an introductory level course that provides students with the knowledge and ability to interpret the blueprints from a variety of industrial applications. *This course is offered at Southeast High School.*

Production Methods 1

7283F/7284F

7283L/7284L

Grade Level: 10, 11, 12

Two semester—1.0 Credit

Production Methods 1 is a technical level course in the Manufacturing pathway. This course is an entry level course designed to instruct students in the knowledge and skills required for fabrication of various materials and production methods.

Production Methods 2

7285F/7286F

7285L/7286L

Grade Level: 11, 12

Two semester—1.0 Credit

Production Methods 2 is a application level course in the Manufacturing pathway. This is an advanced level course designed to instruct students in the knowledge and skills required for fabrication of various materials and production methods. This course may be offered for College credit.

Production Print Reading II

7287F/7287L

Grade Level: 11, 12

Pathway: Manufacturing

One semester—0.5 Credit

Prerequisite: Production Blueprint Reading

A technical level course designed to develop advanced technical communication skills used to interpret manufacturing production drawings including blueprints, schematics and other trade prints. *This course is offered at Southeast High School.*

Programming Development Project Management

5925F/5926F

Grade Level: 12

Two semesters—1.0 Credit

Prerequisite: Advanced Computer Programming

Programming Development Project Management is an application level course in the Programming and Software Development pathway. Students will learn how to plan and create products and services using IT design processes, and identify project requirements to meet customer needs. *This course is offered at Northwest High School.*

Programming Independent Study

5829/5830

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Teacher Approval

This is an independent study course designed cooperatively by the student and teacher. It enables students to explore topics of interest related to the career pathway beyond the availability of application level courses. Students may expand their expertise in a particular specialization, explore a topic in greater detail, or develop more advanced skills.

CAREER AND TECHNICAL EDUCATION

Remodeling and Building Maintenance

7546

Grade Level: 11, 12

One semester—0.5 Credit

Prerequisite: Cabinetmaking 1A and 1B

Remodeling and Building Maintenance is an application level course in the Construction and Design pathway. It is designed to instruct students in the skills required for residential remodeling and maintenance. *This course is offered at Heights, Northwest, South, and West High Schools.*

Residential Carpentry 1A and 1B

7033/7034
7033L/7034L

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Dual Credit Available: WSU Tech (formerly WATC)

Residential Carpentry 1A and 1B is a technical level course in the Construction & Design pathway. It is a comprehensive course designed to instruct students in the basic knowledge and skills required for construction of residential structures. This course presents the opportunity to earn concurrent credit through WSU Tech. *This course is offered at East, Heights, Northwest and South High Schools.*

Residential Carpentry 2A and 2B

7035F/7036F
7035L/7036L

Grade Level: 12

Two semesters—1.0 Credit

Dual Credit Opportunity: WSU Tech (formerly WATC)

Prerequisite: Residential Carpentry 1A and 1B

Residential Carpentry 2A and 2B is an application level course in the Construction & Design pathway. The advanced comprehensive course is designed to instruct students in skills pertaining to rough construction and finish work. This course presents the opportunity to earn concurrent credit through WSU Tech. *This course is offered at East, Heights, South and West High Schools.*

Restaurant Management Independent Study

6735/6736

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Teacher Approval

This is an independent study course designed cooperatively by the student and teacher. It enables students to explore topics of interest related to the career pathway beyond the availability of application level courses. Student may expand their expertise in a particular specialization, explore a topic in greater detail, or develop more advanced skills.

Robotics

7069/7070

Grade Level: 11, 12

Pathway: Engineering and Applied Mathematics

Two semesters—1.0 Credit

Prerequisite: Principles of Engineering

In this technical level course, students will learn the fundamentals of mechatronics engineering and engineering problem solving. Students will develop and design a working robot using 3D CAD software, will learn programming skills, and will participate in classroom and extra-curricular robotic competitions. *This course is offered at East, Heights, Northeast Magnet, and West High Schools.*

Routing and Switching

5815F/5815L

Grade Level: 11, 12

One semester—1.0 Credit

This course covers the architecture, components, and operation of routers and switches in a small network. By the end of the course, students will understand router traffic, switch operations, monitoring tools and management protocols, network configuration setting. Ethernet switch ports configuration, and implementation of VLANs, static routing, DHCP on a router, and network address translation (NAT).

Sheet Metal

7037F/7037L

Grade Level: 11, 12

One semester—0.5 Credit

Prerequisite: Residential Carpentry 1A and 1B

An application level course designed to provide students with exposure to and training theories, equipment and skills needed to performance sheet metal work in a construction setting. *This course is offered at South High School.*

Skilled Mechanical Crafts

7058

Grade Level: 9, 10

One semester—0.5 Credit

Skilled Mechanical Crafts is a technical level course in the Construction pathway. It is designed to instruct students in the basic skills necessary for occupations in skilled mechanical crafts. *This course is offered at South High School.*

Sports & Entertainment Marketing

6801

Grade Level: 10, 11, 12

One semester—0.5 Credit

This course will provide a background in the fields of Sports and Entertainment Marketing (SEM). This interactive class will cover a variety of marketing topics related to sports and entertainment marketing. Promotional influences relating to these fields of marketing will be covered. Student participation in the co-curricular club, DECA, is strongly encouraged.

Sports Medicine 1

4079/4080

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Health Science Technology

Provides students an overview of the specialized health care needed in sports and physical activity. Students will study a wide range of topics related to athletic health care. The course will introduce students to basic body systems in addition to the physical and mental demands of physical activity at all levels. The students will study kinesiology, bleeding and shock, the bones and soft tissue, and parts of the body most susceptible for athletic injuries. *This course is offered at West High School.*

Sports Medicine 2

4081/4082

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Sports Medicine 1

Topics to be covered are the central training room, the athletic training student-aid program, emergency preparedness, injury game plan, the pre-participation physical examination, rehabilitation and preseason conditioning, nutrition and the athlete, dietary supplements and performance enhancers, sports psychology, assessment and evaluation of sports injuries, therapeutic physical modalities, and proper taping and wrapping. This course allows students to collaborate with medical professionals in the community pertaining to sports medicine. These interactions are designed for students who have a serious interest in pursuing a career in the sports medicine field. *This course is offered at West High School.*

CAREER AND TECHNICAL EDUCATION

Teaching as a Career

7601C/7602C

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

Teaching as a Career is a technical level course in the Teaching/Training pathway and introduces students to the teaching profession with special focus on the critical shortage areas. This course provides fundamentals knowledge of the art and science of teaching with the study of the education profession as a future career choice. Students will participate in leadership activities through the Career and Technical student organization, Family Career and Community Leaders of America (FCCLA) and/or the Future Educators Association (FEA). For off-campus experiences, students must provide their own transportation. *This course is offered at North, Northwest, South and West High Schools. Non-CTE teaching courses are also offered at Southeast High School.*

Teaching Observation

7628F/7628L

Grade Level: 11, 12
Pathway: Teaching/Training
One semester—0.5 Credit
Prerequisite: Teaching as a Career

This is a technical level course in the Teaching/Training pathway. Students will observe best practices at multiple grade levels. Observations will be focused around the elements of effective instruction, including planning and preparation, learning environments, instructional strategies, and professional responsibilities. *This course is offered at East, North, Northwest, South, and West High Schools.*

Teaching/Training Independent Study

7915/7916

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Teacher Approval

This is an independent study course designed cooperatively by the student and teacher. It enables students to explore topics of interest related to the career pathway beyond the availability of application level courses. Student may expand their expertise in a particular specialization, explore a topic in greater detail, or develop more advanced skills.

Unmanned Aircraft System (UAS)

7103F/7104F
7103L/7104L

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Foundations of Electronics

Application level course that will provide students with the academic knowledge about commercial remote pilot operations, while also giving hands-on experience planning and executing UAS missions. This course may be offered for College credit.

Web & Digital Communications Independent Study

5831/5832

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Teacher Approval

This is an independent study course designed cooperatively by the student and teacher. It enables students to explore topics of interest related to the career pathway beyond the availability of application level courses. Student may expand their expertise in a particular specialization, explore a topic in greater detail, or develop more advanced skills.

Web & Digital Project Management

5738F/5739F

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Computer Graphics

Web & Digital Project Management is an application level course in the Web and Digital Communications pathway and provides students with the information and skills necessary for success in analyzing customer requirements to develop web or digital communication products. *This course is offered at West & Northwest.*

Web Page Design

6743

Grade Level: 10, 11, 12
One semester—0.5 Credit
Prerequisite: Computer Essentials or Teacher Approval

Web Page Design is a technical level course in the Programming & Software Development and Web & Digital Communications pathways. Students are instructed how to design web sites by introducing them to and refining their knowledge of site planning, page layout, graphic design, and the use of markup languages—such as Extensible Hypertext Markup, JavaScript, Dynamic HTML, and Document Object Model—to develop and maintain a web page. *This course may be taken for a Fine Arts Credit.*

Welding Processes 1

7301F/7302F
7301L/7302L

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

Production Welding Processes 1 is a technical level course in the Manufacturing Production pathway. The comprehensive course is designed to provide students with knowledge and skills in basic welding theories and terminology, to perform Oxyfuel and Arc Welding activities in the F & H positions and to perform non-destructive testing activities. *This course is offered at Heights, North, and West High Schools.*

Welding Processes 2

7303F/7304F
7303L/7304L

Grade Level: 11, 12
Two semesters—1.0 Credit

An application level course designed to instruct students in the knowledge and skills needed for solving fabrication problems, to weld joints in the V and OH positions and perform Plasma cutting. *This course is offered at Heights and West High Schools.*

Workbased Experience—Animal Science

4105F/4106F

Grade Level: 11, 12
Two semesters—1.0 Credit

Application level course for students who are in the Animal Science CTE pathway to gain workbased experience.

Workbased Experience—Aviation Comprehensive

7305

Grade Level: 11, 12
One semester—0.5 Credit

Application level course for students who are in the Aviation CTE pathway to gain workbased experience.

CAREER AND TECHNICAL EDUCATION

Workbased Experience— Aviation Production 7030F

Grade Level: 11, 12
One semester— 0.5 Credit

Application level course for students who are in the Aviation CTE pathway to gain workbased experience. This course is offered at *East, Heights, North, Northeast, Northwest, Southeast, and West High Schools*.

Workbased Experience—Construction and Design 6635F

Grade Level: 11, 12
One semester— 0.5 Credit

Application level course for students who are in the Construction & Design CTE pathway to gain workbased experience. *This course is offered at East, Heights, Northwest, South, and West High Schools.*

Workbased Experience—Finance (.5 credit) 6000F

Grade Level: 11, 12
One semester— 0.5 Credit

Application level course for students who are in the Business Finance CTE pathway to gain workbased experience. *This course is offered at Chester Lewis, East, Heights, North, Northwest, South, Southeast, and West High Schools.*

Workbased Experience—Health Science 3 4139F/4140F

Grade Level: 12
Two semesters— 1.0 Credit

This course is designed to provide Health Science Pathway students with an opportunity to begin the transition from school to work through internships and mentoring, or through high school course work. *This course is offered at Northeast Magnet and West.*

Workbased Experience—Manufacturing Comprehensive 7525/7526

Grade Level: 11, 12
Two semesters— 1.0 Credit

Comprehensive application level course for students who are in the Manufacturing CTE pathway to gain workbased experience. Student may take course for entire year if applicable.

Workbased Experience—Marketing (.5 credit) 6053F

Grade Level: 11, 12
One semester— 0.5 Credit

Application level course for students who are in the Marketing CTE pathway to gain workbased experience. *This course is offered at Chester Lewis, East, Heights, North, Northwest, and West High Schools.*

Workbased Experience—Plant Systems 4103F/4104F

Grade Level: 11, 12
Two semesters— 1.0 Credit

Application level course for students who are in the Plant Science CTE pathway to gain workbased experience.

Workbased Experience—Power and Structural Systems 4101F/4102F

Grade Level: 11, 12
Two semesters—1.0 Credit

Application level course for students who are in the Power & Structural Systems CTE pathway to gain workbased experience.

Workbased Experience—Teaching Internship 7679/7680

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Teaching as a Career

Teaching Internship is an application level course in the Teaching/Training Pathway. It provides students with supervised field experiences with a classroom teacher to practice implementing education activities in diverse classroom settings. The student will work with cooperating teachers to learn classroom best practices, exposure to legal and ethical issues, environmental structure and culture. For off campus experiences, students must provide their own transportation. This course may be offered for college credit when combined with Teaching Observation. College enrollment is during the second class. *This course is offered at North, South, East, West, Northwest, Southeast, and Heights High Schools.*

Workbased Experience—Transportation 7527

Grade Level: 11, 12
One semester—0.5 Credit

Application level course for students who are in the Auto Collision & Refinishing CTE pathway to gain workbased experience., OR Application level course for students who are in the Auto Technology CTE pathway to gain workbased experience.

Workplace Experience—Interior Design Applications 5807/5808

Grade Level: 11, 12
Two semesters— 1.0 Credit

Application-level course for students who to gain work based experience in the areas of Interiors, Textiles, Fashion, Apparel, and Interior Design.

World of Children 7900

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit

World of Children is a technical level course in the Teaching/Training and Early Childhood Development & Services pathways. Students will learn about the physical, mental, emotional, and social growth and development of children ages three to six. Typical topics include providing healthy environments, evaluating child care settings; and the practices, regulations, and opportunities in the child care industry. Advanced topics may include various learning theories; development of activities; recognition of childhood diseases, abuse, and neglect; and first aid/emergency training.

Youth Court 3517F/3518F

Grade Level: 11, 12
Two semesters—1.0 Credit

Application course in which students will demonstrate technical skills related to careers in the legal and judicial field, and analyze the impact of legal and judicial careers on community health and service.

Youth Entrepreneurs 6888/6889

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Scholarships & Community Partnerships Opportunities through YE

Youth Entrepreneurs is a year long program that is a valuable experience for any student with an entrepreneurial dream or the desire to be a business leader of tomorrow. Students will have an opportunity to plan for and “own” a business with Market Days, learn basic economic principles, business fundamentals (marketing, management, and finance), while being supported by the teacher and business community. Students who complete the course are eligible for scholarship opportunities, community partnerships, and other opportunities through YE.

EAST HIGH SCHOOL

INTERNATIONAL BACCALAUREATE PROGRAM

PROGRAM DESCRIPTION: In 1990, the International Baccalaureate Office in Geneva, Switzerland authorized Wichita High School East to offer a program of studies leading to the International Baccalaureate Diploma. Requirements for the IB Diploma allow academically capable and committed high school students to meet the entrance requirements of the world's best universities. The Diploma is awarded to students who successfully sit for examinations in six academic subject areas, complete a course of study in the Theory of Knowledge, present an extended essay reflecting independent research and analysis, and complete a community service program. More information about IB can be found at www.ibo.org.

Internationally recognized as one of the most challenging college preparatory curricula available, this prestigious program is offered in over 1,470 schools in 123 countries. Students in IB are assured that their courses of study conform to world standards, not merely national, state or local standards. Students completing IB regularly earn college credit and/or advanced standing. The program promotes organization and time management skills, a proficiency in oral and written communication and a commitment to community service and extracurricular activities.

CURRICULUM: The Preliminary International Baccalaureate (PIB) program is an intensive experience designed to prepare ninth and tenth grade students for the rigors of the International Baccalaureate (IB) program.

I. The Preliminary IB Coursework

A. Two-year courses

1. English
2. Mathematics
3. Science (Biology, Chemistry, Physics)
4. Social Studies (U.S. History, World History)
5. Spanish or French

B. Additional USD 259 Graduation Requirements

1. Government (0.5 credit)
2. Physical Education (1.0 credit)
3. Fine Arts (1.0 credit)
4. Electives (7.5 credits) must be earned with at least 0.5 elective credit coming from a KSDE approved CTE pathway
5. Financial Literacy (0.5 credit)

II. The IB Coursework

A. In the eleventh and twelfth grades:

1. Language A (English, including writing and literature)
2. Language B (Spanish or French)
3. Individuals and Societies (European History, Psychology or Business & Management)
4. Experimental Science (Biology, Chemistry, or Physics)
5. Mathematics
6. Electives
 - a. Visual Arts
 - b. Music
 - c. Computer Science
 - d. Theater Arts

B. Two levels of courses: The Standard Level and the Higher Level

1. Three courses taken at the Higher Level
 - a. Requires five teaching/research periods per week for two years
 - b. IB exam taken at the end of the senior year
2. Three courses taken at the Standard Level
 - a. Requires five teaching/research periods per week for one year (may require two years)
 - b. IB exam taken at the conclusion of each course (Two Standard Level exams may be taken at the end of the junior year. One Standard Level exam must be taken at the end of the Senior year.)

APPLICATION PROCEDURE:

1. Complete and submit application form.
(Available online www.ib.east.usd259.org)
2. Request transcript to be sent.
3. Submit three teacher recommendations (one math or science, one English or social studies, and one of the student's choice).
4. Take critical thinking test and produce writing sample during a Saturday session.
(There is no fee for IB application testing.)
5. Participate in a personal conference with parents and IB personnel in January each year.

The IB application should be completed and returned to:

International Baccalaureate Program
Wichita High School East
2301 E. Douglas

ADVANTAGES: Since 1993, more than half of the Wichita Public Schools' National Merit Semifinalists each year have been in the IB program, and the number of semifinalists from the IB program is consistently more than all area private schools combined. Students in the IB engage in rigorous and comprehensive curriculum recognized by the best colleges and universities around the world. Students earning the IB Diploma often have the possibility of entering college as a second-year student. IB courses contribute towards excellent preparation for Advanced Placement tests. IB students participate in a full range of extracurricular activities as well as fine arts and other electives.

EAST HIGH SCHOOL

INTERNATIONAL BACCALAUREATE PROGRAM

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Pre-IB English 1					1.0	1203/1204	♦	♦
Pre-IB English 2					1.0	1227/1228	♦	♦
IB English 3					1.0	1523/1524	♦	♦
IB World Literature HL					1.0	1525/1526	♦	♦
Pre-IB Biology					1.0	4909/4910	♦	♦
IB Biology SL					1.0	4911/4912	♦	♦
IB Biology HL					1.0	4913/4914	♦	♦
Pre-IB Chemistry					1.0	4893/4894	♦	♦
IB Chemistry SL					1.0	4903/4904	♦	♦
IB Chemistry HL					1.0	4905/4906	♦	♦
Pre-IB Physics					1.0	4791/4792	♦	♦
IB Physics SL					1.0	4917/4918	♦	♦
IB Physics HL					1.0	4919/4920	♦	♦
IB Sports, Exercise, and Health Science SL					1.0	4023/4024	♦	♦
Pre-IB World History					1.0	3471/3472	♦	♦
Pre-IB Advanced Placement U.S. History					1.0	3473/3474	♦	♦
IB European History SL					1.0	3477/3478	♦	♦
IB European History HL					1.0	3479/3480	♦	♦
IB Philosophy HL					1.0	3019/3020	♦	
IB Philosophy SL					1.0	3037/3038	♦	♦
IB Psychology SL					1.0	3703/3704	♦	♦
IB Psychology HL					1.0	3707/3708	♦	♦
IB Business & Management HL					1.0	6043/6044	♦	
IB Business & Management SL					1.0	6671/6672	♦	
PIB Algebra 1					1.0	2101/2102	♦	♦
PIB Algebra 2					1.0	2103/2104	♦	♦
PIB Geometry					1.0	2429/2430	♦	♦
IB SL Math Applications					1.0	2025/2026	♦	♦
IB PreCalc/Trig					1.0	2013/2014	♦	♦
IB SL AP-Calc AB					1.0	2009/2010	♦	♦
IB HL AP-Calc BC					1.0	2003/2004	♦	♦
Pre-IB French 1					1.0	5151/5152	♦	♦
Pre-IB French 2					1.0	5153/5154	♦	♦
IB French 3					1.0	5155/5156	♦	♦
IB French 4					1.0	5157/5158	♦	♦
IB French 5					1.0	5159/5160	♦	♦
IB French 6					1.0	5163/5164	♦	
Pre-IB Spanish 1					1.0	5471/5472	♦	♦
Pre-IB Spanish 2					1.0	5473/5474	♦	♦
IB Spanish 3					1.0	5475/5476	♦	♦
IB Spanish 4					1.0	5477/5478	♦	♦
IB Spanish 5 SL					1.0	5479/5480	♦	♦
IB Spanish 5 HL					1.0	5483/5484	♦	♦
IB Spanish 6					1.0	5481/5482	♦	♦

EAST HIGH SCHOOL

INTERNATIONAL BACCALAUREATE PROGRAM

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Pre-IB Art					1.0	8457/8458	♦	
IB Visual Art SL					1.0	8451/8452	♦	
IB Visual Art HL					1.0	8453/8454	♦	
IB Computing SL					1.0	5811/5812	♦	
IB Computing HL					1.0	5813/5814	♦	
IB Music SL					1.0	8631/8632	♦	
IB Music HL					1.0	8633/8634	♦	
IB Theater Arts SL					1.0	1163/1164	♦	
IB Theater Arts HL					1.0	1165/1166	♦	
Theory of Knowledge					1.0	3021/3022	♦	♦

LANGUAGE A

All IB students enroll in each of the following courses, each course being the prerequisite for the next. All students take the HL test in world literature during their senior year.

Pre-IB English 1 1203/1204

Two semesters—1.0 Credit

This freshman level course introduces students to the basics of expository, analytical and critical writing. Students engage in critical readings of major texts of world and American literature (plays, novels, short stories, poems) and examine them in light of their historical contexts. Students learn to recognize the elements of fiction and to appreciate the craft of literature. The course devotes considerable time to vocabulary development.

Pre-IB English 2 1227/1228

Two semesters—1.0 Credit

Prerequisite: Pre-IB English 1

This sophomore level course continues students' studies of expository writing. The course focuses on American literature from the Colonial, Neo-classic, Romantic, Realistic and Modern Periods. Students learn research methods, continue to develop their vocabularies and learn to write abstracts of non-fiction articles and critical essays.

IB English 3 1523/1524

Two semesters—1.0 Credit

Prerequisite: Pre-IB English 3

This course begins the sequence of formal Language A study recognized by IB and leading toward IB testing. Students and teachers engage in more complex discussions and analysis of major texts from world literature. The goals of IB English 3 and the following IB World Literature HL course are to enable students to express ideas with clarity, coherence, precision and fluency in both written and oral communication; to demonstrate and appreciate the similarities and differences between works from different ages and cultures, and to demonstrate an ability to structure ideas and arguments, both orally and in writing, in a sustained and logical fashion, using precise and relevant examples.

IB World Literature HL 1525/1526

Two semesters—1.0 Credit

Prerequisite: IB English 3

This course is the culmination IB course work in Language A and is designed to give students the opportunity to apply their analytical writing and thinking skills to additional works from the IB Prescribed Books list. Students prepare papers to be submitted to IB and prepare oral presentations and formal oral commentary on selected works as part of their requirements for Language A. They also practice in class essay writing in preparation for IB testing and college essay exam writing.

EXPERIMENTAL SCIENCES

All students enroll in at least two Pre-IB science courses, and most enroll in three. Students may enroll in non-IB science courses in addition to, though not in place of, IB science courses.

Pre-IB Biology 4909/4910

Two semesters—1.0 Credit

Pre-IB Biology is comparable to an Honors Biology 1 course. Students receive an introduction to cells and cell chemistry, energy relationships, genetics, taxonomy, plant structure, comparative zoology, ecology disease and human reproduction. Students learn the scientific method and methods for writing lab reports.

IB Biology SL 4911/4912

Two semesters—1.0 Credit

Prerequisite: Pre-IB Biology, Recommended: Pre-IB Chemistry

The SL curriculum is an intensive examination of the core program required of all IB Biology students around the world. It emphasizes cells, biochemistry, human anatomy and physiology, genetics, evolution and ecology. Students will spend 25% of class time on labs. Lab grade contribute towards the IB Biology test score.

EAST HIGH SCHOOL

INTERNATIONAL BACCALAUREATE PROGRAM

IB Biology HL

4913/4914

Two semesters—1.0 Credit
Prerequisite: IB Biology SL

Biology HL is a college-level course designed to deepen students' understanding of more complex biological topics. Students will review the core topics covered in SL Biology. Added depth of coverage will be given to replication, transcription and translation of DNA, immunity, excretion, reproduction, genetics, evolution, and ecology. New topics will be introduced including botany and neurology. Lab grades will continue to contribute toward the IB Biology test score.

Pre-IB Chemistry

4893/4894

Two semesters—1.0 Credit
Prerequisite: Algebra 1

Pre-IB Chemistry is comparable to an Honors Chemistry 1 course. Students learn the basics of scientific investigation as it pertains to chemistry and will be in the laboratory once every week. Topics introduced in Pre-IB Chemistry may include atomic theory, bonding, states of matter, stoichiometry, acids and bases, and organic chemistry. The course introduces students to methods of applying and using scientific facts and concepts. This course is designed to prepare students to be successful in IB Chemistry SL.

IB Chemistry SL

4903/4904

Two semesters—1.0 Credit
Prerequisite: Pre-IB Chemistry

IB Requirements include a core curriculum in chemistry, two topics that are in related chemistry areas and forty hours of laboratory work including a group project. The core curriculum includes stoichiometry, atomic theory, periodicity, bonding, states of matter, energetics, kinetics, equilibrium, acids and bases, oxidation and reduction, and organic chemistry. Each student will keep a portfolio of investigations that will be evaluated as the internal assessment. The class will continue to develop investigate skills as students prepare for the SL exam or continue working toward the HL exam. Students enrolling Chemistry SL should have strong Algebra 2 skills.

IB Chemistry HL

4905/4906

Two semesters—1.0 Credit
Prerequisite: IB Chemistry SL

IB Chemistry HL is a college level course. Students cover SL material in a more sophisticated manner and to a deeper degree. SL core curriculum and additional topics are further examined and extended. Each student will keep a portfolio of investigations that will be evaluated as the internal assessment. To succeed in the course, students should have received an A or B in Chemistry SL and should have strong Algebra 2 skills.

Pre-IB Physics

4791/4792

Two semesters—1.0 Credit
Prerequisite: Algebra I

Physics is the most basic of the sciences. Pre-IB Physics studies the nature of motion, forces, energy, matter, heat, sound, light and the inside of atoms. The course treats physics conceptually rather than mathematically; however, a strong math background is required, particularly for student going on into SL and HL Physics. This course is comparable to an Honors Physics 1 course. Students can expect fifteen labs to be conducted throughout the course.

*East High's courses required for underclassmen, designed to prepare students for the diploma program.

IB Physics SL

4917/4918

Two semesters—1.0 Credit
Prerequisite: Pre-IB Physics

Physics SL is a college level course comparable to AP Physics. A good background in Algebra 2 is a necessity. Topics in the IB required core include measurement, mechanics, thermal physics, properties of matter, waves, electricity and magnetism, atomic and nuclear physics, astrophysics, and special and general relativity. A group project is required of all students. The course includes twenty-five labs. Examinations are tailored after previous IB examinations in order to prepare students or IB standards and expectations.

IB Physics HL

4919/4920

Two semesters—1.0 Credit
Prerequisite: IB Physics SL

Students moving in Physics HL should have earned at least a B in Physics SL. The topics of the HL course are similar to those of SL course, though they will be studied in considerably deeper detail. Students can expect thirty-five labs over the course of the SL/HL sequence.

IB Sports, Exercise, and Health Science SL

4023/4024

Two semesters—1.0 Credit
Prerequisite: PIB Biology, Honors Biology, Honors Algebra 1 or PIB Algebra 1

Students cover a range of topics and carry out practical (experimental) investigations in both laboratory and field settings. This provides an opportunity to acquire the knowledge and understanding necessary to apply scientific principles and critically analyze human performance. Where relevant, the course will address issues of international dimensions and ethics by considering sport, exercise and health relative to the individual in a global context. Course outline includes anatomy, exercise physiology, energy systems, movement analysis, skill in sport, measurement and evaluation of human performance, optimizing physiological performance, and psychology of sport.

SOCIAL STUDIES

All IB freshman take Pre-IB World History, and all IB sophomores take Pre-IB Advanced Placement United State History. Students who leave the IB program prior to graduation are required to take an additional year of U.S. History 2 in order to meet USD259 graduation requirements. SL and HL course curricula follow prescriptive guidelines set forth by the International Baccalaureate, and SL courses are prerequisites for HL courses. SL courses may be taken during either the junior or senior year. All students must take U.S. Government or Advanced Placement U.S. Government in order to meet USD259 graduation requirements. Students may also enroll in any social studies courses offered by East High School in addition to, though not in lieu of, IB and Pre-IB courses.

Pre-IB World History

3471/3472

Two semesters—1.0 Credit

All IB freshmen enroll in this course. The course studies the events and forces of history, relating today's events to the past. Basic skills such as critical reading, note-taking, listening, and effective essay writing are emphasized. The course investigates what civilizations are and how they might be evaluated. Topics include how geography shapes culture, how technology affects societies, how groups have faced and resolved challenges to their societies, and how power shifts when cultures collide or societies evolve. **Required course for IB freshmen.**

EAST HIGH SCHOOL

INTERNATIONAL BACCALAUREATE PROGRAM

Pre-IB Advanced Placement United States History

3473/3474*

Two semesters—1.0 Credit

This course surveys the people and events of American history from colonial times to the present and prepares students to take the Advanced Placement United States History Exam in May. Taking the A.P. test is a requirement for the course. A good score on the exam may result in college credit. Students will study the events and ethnic, political, economic, cultural, technological, religious, and external forces that have shaped the course of U.S. history. They will continue to improve their reading, note-taking, oral, writing, and test-taking skills as they pertain not only to the study of history, but to students' success throughout the IB program. This course uses a college-level text, and the students should consider this to be a college level course. **Required course for IB sophomores.**

IB European History SL

3477/3478

Two semesters—1.0 Credit

Prerequisite: Junior or Senior standing

This course is an in-depth study of modern Europe from 1914-1991, concentrating particularly on political European history of the twentieth century, including the World Wars and the Cold War. Topics addressed include the causes and effect of war, nationalist and independence movement, the rise and role of single party states, East/West relations since 1945, and economic developments in the twentieth century. Students also study in detail two topics announced by IB as Prescribed Subjects and write a research paper.

IB European History HL

3479/3480

Two semesters—1.0 Credit

Prerequisite: IB European History SL

History HL focuses entirely on twentieth century European history in the following areas: origins of World War I, World War II and the Cold War, British Appeasement in the 1930s, the Stalin Revolution, and the Rise of the Nazis. The class is conducted like a college seminar with emphasis on exploring various interpretations of events. Students do considerable outside reading and write a research paper.

IB Philosophy HL

3019/3020

Two semesters—1.0 Credit

Prerequisite: IB Philosophy SL

IB Philosophy HL is studies the personhood, the self and the other, and freedom. At the core definition of philosophy, the study of the fundamental nature of knowledge, reality, and existence, the HL course will highlight philosophy and contemporary society and political philosophy. Students interested in this course tend to have a desire or passion in discussion, debate, and reason.

IB Philosophy SL

3037/3038

Two semesters—1.0 Credit

Prerequisite: Honors English 2 and PIB English 2

Actively engage students in philosophical activity. The course is focused on stimulating students' intellectual curiosity and encouraging them to examine both their own perspectives and those of others. Students are challenged to develop their own philosophical voice and to grow into independent thinkers, in addition to engaging with some of the world's most interesting and influential thinkers. The course also develops highly transferable skills such as the ability to formulate arguments clearly, to make reasoned judgements and to evaluate highly complex and multifaceted issues.

IB Psychology SL

3703/3704

Two semesters—1.0 Credit

Prerequisite: Junior or Senior Standing

Psychology is the systematic study of behavior and experience. Students build their understanding through three modern perspectives: biological psychology, cognition, and learning. As an empirical science, psychology incorporates many forms of research methodology. Students will examine quantitative research methods, ethics, and descriptive statistics as they carry out a simple experimental study of their own design. One optional area must be studied which may include abnormal, social, psychodynamic, comparative, health, cultural, or lifespan psychology.

IB Psychology HL

3707/3708

Two semesters—1.0 Credit

Prerequisite: IB Psychology SL

Psychology HL builds on the core concepts underlying biological psychology, cognition, and learning with additions from the humanistic perspective. The emphasis on research extends to incorporate inferential statistics and qualitative methods. Students are responsible for carrying out a complex experimental study of their own design. Two optional areas must be studied which may include abnormal, social, psychodynamic, comparative, health, cultural, or lifespan psychology. Seniors with an open elective are encouraged to take AP Statistics to support acquisition of the skills required to analyze psychological studies.

IB Business & Management HL

6043/6044

Two semesters—1.0 Credit

Prerequisite: IB Business & Management SL

IB Business Management HL is designed to give students an extensive understanding and application of business principles, practices, and skills. Additional study of marketing, human resources, and finance in addition to operations management are addressed in the higher level course. A variety of learning methods including case studies, research, and simulations provide students both an overview of business management as academic study and professional practice. HL students design and undertake a research project that addresses an issue facing a business or organization of their choice.

IB Business & Management SL

6671/6672

Two semesters—1.0 Credit

Prerequisite: Junior or Senior Standing

Designed to give students an understanding of business principles, practices and skills. Emphasis is also placed on understanding technical innovation and day to day business functions of marketing, human resource management and finance. Learning strategies include the application of tools and techniques of analysis to enhance the understanding of complex business activities. Students will appreciate the ethical concerns and issues of social responsibility in the business environment. Case studies will demonstrate the context of the forces and circumstances that drive change in an interdependent and multicultural world. Real-world applications will enable students to become critical and effective participants in local and world affairs. Four modules comprise the curriculum: Introduction to Organizations, Marketing, Human Resource Management, and Accounting and Finance.

EAST HIGH SCHOOL

INTERNATIONAL BACCALAUREATE PROGRAM

MATHEMATICS

IB students can test at three levels for the purposes of the IB Diploma. The lowest level is Math Studies, which is designed for students who do not plan to major in science or math-related fields in college. Math Studies is an SL test. The second level is Mathematics SL, a test level that can be prepared for by completing the IB SL AP Calculus AB course. This level is for students who intend to major in fields requiring mathematics, e.g. economics, geography, chemistry, business administration or engineering. HL Math, the highest testing level offered by the East High IB program, is designed for students who intend to major in mathematics or in other scientific fields requiring advanced mathematics. The normal sequence of math courses for Pre-IB students is Pre-IB Algebra I, Pre-IB Algebra 2, then Pre-IB Geometry. After Pre-IB Geometry, students determine their IB math sequences based upon their interests and abilities. All freshmen take a math placement exam to determine appropriate math course enrollment.

PIB Algebra 1 2101/2102

Two semesters—1.0 Credit

This course covers the topics of Algebra 1 in depth and provides students with a good foundation in order to move on to Algebra 2. In this course, students will learn to communicate algebraically and to apply algebraic skills. Students will develop skills in manipulating signed numbers, graphic, working with formulas, and solving linear and quadratic equations.

PIB Algebra 2 2103/2104

Two semesters—1.0 Credit

Prerequisite: PIB Algebra 1

This fast-paced course continues the topics in Algebra 1 and moves into additional topics including relations and functions, matrices and determinants, irrational and complex numbers, quadratic functions, polynomial equations, graphs of rational functions, conic sections, rational exponents, logarithms, logarithmic equations and exponential equations. Algebraic concepts covered in this class are tested in all levels of IB testing.

PIB Geometry 2429/2430

Two semesters—1.0 Credit

Prerequisite: Algebra 1

This course is a rigorous, honors level course. Geometry topics include definitions and postulates, angles, lines, angle sums of polygons, proofs, indirect proofs, similarity, tangents, arcs, segments, chords, areas and perimeters of polygons, areas and volumes of pyramids, cones, spheres, and cylinders. Geometry is included in all levels of IB tests.

IB SL Math Applications 2025/2026

Two semesters—1.0 Credit

Prerequisite: Pre-IB Geometry, Pre-IB Algebra 2

Math Applications may be taken during either the junior or senior year and serves as a survey of all mathematics. Students review and expand knowledge on topics from algebra, geometry, trigonometry, probability and statistics. In addition, students end the year with an introduction into calculus. During the course, students also develop a project where they use mathematical techniques to explore a real world interest. Completion of this course not only prepares students to take the IB SL Mathematics Applications exam, but also serves as great preparation for the math sections of both the ACT and SAT.

IB PreCalc/Trig 2013/2014

Two semesters—1.0 Credit

Prerequisite: Pre-IB Algebra 2 (with an A or B) and Pre-IB Geometry

This course is a prerequisite to IB SL AP Calculus AB. Topics include functions, logarithms, trigonometry, systems of equations, matrices, sequences, binomial theorem, basic probability, conic sections, and limits. As all IB math exit exams require the use of graphing calculator, the coursework is structured to promote proficiency in this area. Due to the nature of IB testing in mathematics, this course is not open to freshman.

IB SL AP-Calc AB

2009/2010

Two semesters—1.0 Credit

Prerequisite: IB Precalculus/Trig with an A or B, or instructor's consent

This course is equivalent to a college-level calculus course. Topics covered can be found on the advanced placement syllabus for calculus. Additional topics included to complete the IB SL curriculum are vectors, probability and statistics. At the completion of this course, students may test at the IB Mathematics SL level or go on to the HL math course. Additionally, students will be prepared to take the Advanced Placement Calculus AB Exam.

IB HL AP-Calc BC

2003/2004

Two semesters—1.0 Credit

Prerequisite: IB SL AP Calculus AB with an A or B, or instructor's consent

This course assumes extremely sophisticated knowledge of fundamental mathematics and calculus as well as an enthusiasm for advanced mathematics. Topics include discrete and continuous probability distributions, functions, applications of integration, sequences and series, parametric and polar curves, differential equations, matrices, vectors, lines and planes, and an in-depth study of analysis and approximation. Students also complete a ten hour portfolio that is required for IB testing. Successful completion of this course prepares students to test at the IB Mathematics HL level and prepares students for the Advanced Placement Calculus BC exam.

LANGUAGE B (FOREIGN LANGUAGE)

Pre-IB French 1

5151/5152*

Two semesters—1.0 Credit

Pre-IB French 1 introduces students to the basics of French grammar and vocabulary. Students develop reading, writing, speaking and listening proficiencies while learning about French-speaking countries and cultures. Regular activities include storytelling, timed writing, and reading short stories. Students also read and discuss a short novel in French.

Pre-IB French 2

5153/5154*

Two semesters—1.0 Credit

Prerequisite: Pre-IB French 1 or French 1A, 1B

This course expands upon the grammatical studies begun in French 1 with particular emphasis on tenses and vocabulary. Students continue to develop reading, writing, speaking and listening skills: the emphasis at this level is on reaching basic fluency in speaking and writing. Students read and discuss a short novel in French. There is regular discussion of songs and stories in French, as well as regular partnered and groups conversations.

*East High's courses required for underclassmen, designed to prepare students for the diploma program.

IB French 3

5155/5156

Two semesters—1.0 Credit

Prerequisite: Pre-IB French 2

This course builds on the foundations of French 1 and 2, with speaking, reading and writing activities that provide increased depth of experience leading up to IB testing in future classes. Students will read and discuss a short novel, but will also do short authentic reading projects.

EAST HIGH SCHOOL

INTERNATIONAL BACCALAUREATE PROGRAM

IB French 4 5157/5158

Two semesters—1.0 Credit
Prerequisite: IB French 3

Students must complete this level of French to test at the SL level. This class prepares students for the SL exam and includes the necessary oral projects, practice activities and grammar lessons for the exam while emphasizing writing skills and the reading of more sophisticated material. Seniors in the class will take the SL test; juniors have the option of taking the SL test or continuing into IB-French 5.

IB French 5 5159/5160

Two semesters—1.0 Credit
Prerequisite: IB French 4 students who have completed IB French 4 and tested at the SL level may enroll in this course as non-testing students

This class prepares students for the SL or HL exam. Students should consult with the teacher to determine which course they should take depending on their fluency, knowledge and confidence. Students who have completed French 4 and have tested at the SL level may enroll in this course as non-testing students.

IB French 6 5163/5164

Two semesters—1.0 Credit
Prerequisite: IB French 5

This class prepares students with considerably advanced language skills for the HL exam. Literature, written work and oral projects of a more demanding nature are included. Students who have completed French 5 have tested at the SL level may enroll in this course as non-testing students.

Pre-IB Spanish 1 5471/5472*

Two semesters—1.0 Credit

Students learn basic communication skills while they learn about Spanish cultural aspects and geography. Students develop reading, writing, listening and speaking proficiencies through the development of vocabulary and the study of grammatical forms. Movies, music, and guest speakers will enhance students' appreciation of Spanish culture.

Pre-IB Spanish 2 5473/5474*

Two semesters—1.0 Credit
Prerequisite: Pre-IB Spanish 1 or Spanish 1A, 1B

This course will continue to develop reading, writing, speaking and listening skills through the acquisition of additional vocabulary and grammatical forms. Discussion of current events will occur as it enhances students' understanding of Spanish culture. During second semester, students write and illustrate stories in Spanish.

IB Spanish 3 5475/5476

Two semesters—1.0 Credit
Prerequisite: Pre-IB Spanish 2

Emphasizing speaking, this course builds on the foundations of Spanish 1 and 2, with speaking and writing activities that provide increasing depth of experience leading into IB testing classes in future years.

IB Spanish 4 5477/5478

Two semesters—1.0 Credit
Prerequisite: IB Spanish 3

This class prepares students for the SL examination and includes the necessary oral projects and practice activities for the exam while emphasizing writing skills and the reading of more sophisticated material. Seniors in the class will take the SL test; juniors have the option of taking the SL test or continuing into IB Spanish 5.

IB Spanish 5 SL 5479/5480 IB Spanish 5 HL 5483/5484

Two semesters—1.0 Credit
Prerequisite: IB Spanish 4 or Instructor's consent

This class prepares students for the SL or HL examination. Students should consult with the teacher to determine which course they should take depending on their fluency, knowledge and confidence. Students who have completed Spanish 4 and have tested at the SL level may enroll in this course as non-testing students.

IB Spanish 6 5481/5482

Two semesters—1.0 Credit
Prerequisite: IB Spanish 5 or Instructor's consent

This class prepares students with considerably advanced language skills for the HL examination. Literature, written work and oral projects of a more demanding nature are included. Students who have completed Spanish 5 and have tested at the SL level may enroll in this course as non-testing students.

IB ELECTIVE COURSES

The sixth discipline in which students test is typically referred to as a "required elective". The Wichita East IB program offers five options for the "required elective". Visual Arts, Computer Science, Music, Theater Arts, and Technology Education. Students may test at the SL or HL levels in any of these disciplines, although some students forego the elective options and choose instead to test in a second experimental science, a second social studies field or a second language B for their sixth discipline. Each of the elective fields may require specific prerequisite courses.

VISUAL ARTS

Pre-IB Visual Art 8457/8458

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

This course is primarily for freshmen in the East High IB Program, though upperclassmen may enroll as well. This course introduces students to historical study and basis for many forms of art, it helps students form an aesthetic framework through which they can see relationships to social, political, and historical events in the world. Students address traditional and contemporary aesthetic issues/developments and how visual images/works express the needs/ideals of individuals and society. Students may work in drawing, painting, ceramics, photography and printmaking and are required to maintain a sketchbook and to purchase art supplies. Students are involved in the creative process through lecture, discussion, observation, media, and research. After completing Pre-IB Visual Art, students may select to study in a specific medium sophomore year and may choose East High courses in ceramics/pottery, photography, drawing/painting or design.

EAST HIGH SCHOOL

INTERNATIONAL BACCALAUREATE PROGRAM

IB Visual Art SL

8451/8452

Grade Level: 11, 12

Two semesters—1.0 Credit

Students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. The course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts. Students will be assessed through the IB Visual Arts exam, which includes—(40%) Process Portfolio, submitting 9-18 pages which evidence their sustained experimentation, exploration, manipulation and refinement of a variety of art making activities. (40%) Exhibition, submitting 4-7 resolved artworks from their exhibition demonstrating technical accomplishments and understanding of materials, ideas and practices appropriate to visual communication, along with a curatorial rationale. (20%) Comparison Study, submitting 10-15 pages of independent critical and contextual investigations exploring artworks, objects and artifacts from differing cultural contexts.

IB Visual Art HL

8453/8454

Grade Level: 12

Two semesters—1.0 Credit

Prerequisite: IB Visual Art SL

Students develop analytical skills in problem-solving and divergent thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts from different perspectives and in different contexts, students are expected to engage in, experiment with and critically reflect upon a wide range of contemporary practices and media. This course is designed for students who want to go on to study visual arts in higher education as well as for those who are seeking lifelong enrichment through visual arts. Students will be assessed through the IB Visual Arts exam, which includes—(40%) Process Portfolio, submitting 13-25 pages which evidence their sustained experimentation, exploration, manipulation and refinement of a variety of art making activities. (40%) Exhibition, submitting 8-11 resolved artworks from their exhibition demonstrating technical accomplishments and understanding of materials, ideas and practices appropriate to visual communication, along with a curatorial rationale. (20%) Comparison Study, submitting 10-15 pages of independent critical and contextual investigations exploring artworks, objects and artifacts from differing cultural contexts, plus 3-5 pages analyzing the extent to which their work has been influenced by the art and artists examined.

COMPUTER SCIENCE

IB Computing SL

5811/5812

Two semesters—1.0 Credit

Prerequisite: Programming, Advanced Programming Recommended

IB Computing SL is an application level course in the Programming & Software Development pathway. It builds upon Java and prepares the student for the SL exam. Emphasis is on variables, written statements, three different loops, procedures, functions, arrays, records, sets, algorithms, and the logic needed to write programs. Students prepare a dossier as part of their IB examination requirement. *Offered only at East High School.*

IB Computing HL

5813/5814

Two semesters—1.0 Credit

Prerequisite: IB Computer Studies SL

This course follows the SL course with a more extensive treatment of programming technology including variant records, sets, linked lists, recursion, stacks, queue, sorts and trees with dynamic data types. High level documentation will be taught with the student designing and implementing ten or more programs and producing a special project dossier required to meet International Baccalaureate guidelines.

MUSIC

IB Music SL

8631/8632

IB Music HL

8633/8634

Two semesters—1.0 Credit

Prerequisite: Junior or Senior Standing for SL, concurrent enrollment in a music performing course

The four components of IB Music SL and HL are 1) the study of western music, 2) the study of non-western music, 3) music performance, and 4) music composition. The HL course bases 25% of the exam grade on performance and 25% on composition. Students testing at the SL level choose either performance or composition for 50% of their grade. Both SL and HL base 50% of the grade on study of western and non-western music.

THEATER ARTS

IB Theater Arts SL

1163/1164

Two semesters—1.0 Credit

Prerequisite: Drama 1

Students in this course engage in four areas of theatrical studies; 1) development of performance skills, 2) the study of theater history focusing on at least two contrasting cultures and practices, 3) play analysis and interpretation, and 4) play production. Students prepare research projects and submit a portfolio of their work, including a journal of their development in performance skills and journal outlining their contribution to theater production.

IB Theater Arts HL

1165/1166

Two semesters—1.0 Credit

Prerequisite: IB Theater Arts SL

Students in this course are required to meet all of the objectives and performance standards of the SL class along with a study of an additional contrasting historical and cultural theater practice. HL students also develop an individual study, and individually tailored project designed to investigate some aspect of theater arts of particular interest to the student.

IB CORE REQUIREMENT

Theory of Knowledge

3021/3022

Two semesters—1.0 Credit

Prerequisite: Junior Standing

Theory of Knowledge (ToK) is a junior year course required of all IB Diploma Candidates around the world. It is a course in epistemology, that is, it investigates how we know what we profess to know and how we arrive at knowledge in the various academic disciplines. The course investigates language as it affects perception, and it introduces students to aesthetics, logic and ethics. ToK also serves to tie the various IB curricula together to allow students to reflect upon the knowledge they gain from science, literature, language, mathematics, and the social studies. Students prepare a set of essays on prescribed topics to be submitted to IB as part of their IB Diploma requirement.

NORTHEAST MAGNET HIGH SCHOOL

MISSION STATEMENT

Northeast Magnet School is a school of choice within the Wichita Public Schools. It provides a four-year program of studies for students who want to focus their education in science, visual arts, or law. The magnet areas, in conjunction with the Academic Core (required English, mathematics, social studies, and science) present an integrated curriculum utilizing technology and annual projects to produce a focused, well-rounded education. The goal is to empower students to engage the world creatively, critically, and responsibly.

ADMISSIONS

Northeast Magnet High School for Visual Arts, Science, Law, and Public Service is a school of choice. All students must apply and be accepted to attend. Applications are available through your school counselor or by contacting Northeast Magnet High School at 973-2300.

SPECIAL QUESTIONS

- Busing is provided to all students of USD 259 who live 2.5 miles from Northeast and within USD 259. After school buses are provided to students who wish to return to the base school for activities.
- There is no additional cost nor is there tuition for students to attend.
- Student activities are available in the areas of STUCO, National Honor Society, Music, Drama, JROTC, Dances, Prom, etc.
- Students may participate in interscholastic sports at their base schools.

PROGRAM DESCRIPTIONS

SCIENCE—The Science Program partners with Project Lead the Way to provide unique courses in pre-engineering and medicine. It is designed for students who are interested in careers in the fields of science, technology, medicine, aviation, or engineering and will pursue a degree at a four-year college or university. Math, science and technology courses are integrated and taught with an application focus. Students graduating from this program earn a minimum of 10 credits in math and science. A science project is required each year. Opportunities are available for students to be introduced to the real world of science through presentations, field trips, shadow days and mentors from the business community. Some students spend the afternoon in an internship or enrolled in college courses.

VISUAL ARTS—The Visual Arts Program is for students considering a career in the visual arts, further art education in college and those who may simply find an extended art program personally fulfilling. Tenth through twelfth graders may work in the art program for half of the school day, and upperclassmen may take courses at WSU. Students may pursue courses in digital photography, ceramics, drawing, painting, and computer art. Northeast Magnet art students will complete a minimum of 7 units in art.

LAW—The Law and Public Service Program is designed for students interested in careers focused on legal and investigative issues. Students are introduced to legal and judicial systems, crime and fire investigations, forensic science as well as local, state, and national government issues. Two core elements of the program are community service and the senior year mentorship program. All students complete a magnet project each year and have the option to participate in Debate and Mock Trial competitions.

PROJECTS

Each year students must complete magnet projects for display for either first or second semester. In 11th and 12th grade, projects are more individual and independent, based in magnet area interests.

CURRICULUM/INSTRUCTION

- Northeast Magnet provides a core curriculum in reading, writing, and mathematics while focusing on science, art and law. Students enroll in a 4x4 class schedule taking four classes a semester.
- All students are expected to use technology throughout the curriculum. Parents and students receive weekly progress reports concerning academic progress, behavior and upcoming assignments. Math tutors are available each day as is the library and computer labs.
- Electives outside of magnet areas are limited. Electives in the area of vocational, drivers ed., business and general areas are not offered.

NORTHEAST MAGNET HIGH SCHOOL

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum
	9	10	11	12			
21st Century Journalism	•	•	•	•	0.5	5711	♦
Advanced Computer Programming		•	•	•	1.0	5705/5706	♦
Aerospace Engineering		•	•	•	1.0	7905/7906	
Animation	•	•	•	•	1.0	5793/5794	♦
Art Survey	•				0.5	8013	♦
Biology	•				1.0	4251X/4252X	
Biomedical Innovations				•	1.0	7125/7126	
Business Law		•	•	•	0.5	6170	
Ceramics/Pottery 1	•	•	•	•	1.0	8311/8312	♦
Ceramics/Pottery 2		•	•	•	1.0	8321/8322	♦
Ceramics/Pottery 3			•	•	1.0	8323/8324	♦
Certified Nursing Assistant			•	•	0.5	4074	♦
Computer Essentials	•	•			1.0	5735	♦
Computer Graphics	•	•	•	•	1.0	5741/5742	♦
Computer Programming	•	•	•	•	1.0	5747/5748	♦
Computer Science Applications			•	•	1.0	6757F/6758F	♦
Computer Science Principles		•	•	•	1.0	6753F/6754F	♦
Digital Media Design & Production			•	•	1.0	5745/5746	♦
Digital Media Project Management			•	•	1.0	7253F/7254F	♦
Digital Media Technology		•	•	•	0.5	5713	♦
Digital Video Production			•	•	1.0	5725/5726	♦
Drawing and Painting 1	•	•	•	•	1.0	8251/8252	♦
Drawing 2		•	•	•	1.0	8157/8158	♦
Drawing 3			•	•	1.0	8159/8160	♦
Emergency Medical Technician		•	•	•	1.0	7356/7357	♦
Engineering Design & Development			•	•	1.0	7043/7044	♦
Firefighter 1		•	•	•	1.0	7352L/7353L	♦
Firefighter 2			•	•	1.0	7354L/7355L	♦
Foundations in Law		•	•	•	1.0	7631/7632	
Freshman Composition	•				1.0	1307/1308	
Freshman Research	•				1.0	4163/4164	
Game Design			•	•	1.0	5775/5776	♦
Graphic Design - Computer Studies		•	•	•	1.0	5781/5782	♦
Graphic Design Project Management			•	•	1.0	7253F/7254F	
Human Body Systems		•	•	•	1.0	7119/7120	
Interactive Media	•	•	•	•	0.5	5700	
Introduction to Drawing & Design	•	•	•	•	0.5	8175X	♦
Introduction to Engineering Design	•	•	•	•	1.0	7041/7042	♦
Introduction to Health Care	•				0.5	4091X	
Introduction to Law and Public Service	•	•			0.5	3481	♦
Issues Seminar Research			•		1.0	1527/1528	
LPSS Internship				•	0.5	7626	

NORTHEAST MAGNET HIGH SCHOOL

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester	Pre-College Curriculum
	9	10	11	12			
Medical Interventions			•	•	1.0	7123/7124	
Mentorship				•	0.5	9041	
Painting 2		•	•	•	1.0	8165/8166	♦
Painting 3			•	•	1.0	8169/8170	♦
Phlebotomy Technician				•	0.5	4075	♦
Photo Imaging	•	•	•	•	0.5	5715	♦
Practical Law/Mock Trial		•			1.0	6173/3511	
Principles of Biomedical Sciences	•	•	•	•	1.0	7117/7118	
Principles of Engineering		•	•	•	1.0	7481/7482	♦
Principles of Illustration	•	•	•	•	0.5	5778	♦
Programming Tech Support			•	•	1.0	5707/5708	
Robotics			•	•	1.0	7069/7070	
Sculpture 1	•	•	•	•	1.0	8119/8120	♦
Sculpture 2		•	•	•	1.0	8191/8192	♦
Sculpture 3			•	•	1.0	8193/8194	♦
Special Art Productions				•	1.0	8381/8382	
Youth Court			•	•	1.0	3517/3518	

21st Century Journalism

5711

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

21st Century Journalism is a technical level course in the Communications strand of the A/V Communications Pathway. It promotes the development of the skill set needed today and in the future in the field of journalism. 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 the ethical and legal issues related to the field.

Advance Computer Programming

5705/5706

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Computer Programming

Advanced Computer Programming will expose students to computer languages and tools used to design and develop computer programs and video games. This is a technical level course in the Programming & Software Development pathway and is a prerequisite for the next course, Game Design.

Aerospace Engineering

7905/7906

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Principles of Engineering

Aerospace Engineering is an application level course in the Engineering & Applied Mathematics pathway. Students apply math, reading, and writing skills by using engineering principles that apply to aeronautics, flight, and engineering. This is a specialization course that involves the use of technology to solve engineering problems.

Animation

5793/5794

Grade Level: 9, 10, 11, 12

One semester—0.5 Credit

Prerequisite: Computer Graphics or Interactive Media

Animation is a technical level course in the Web & Digital Communications pathway. This course emphasizes the development of digitally generated and/or computer enhanced media, including 2D and 3D spatial elements, graphic representation, management of movement, environmental representation (Including texture, color, value, form, line, and space), recording media, and distribution tools and methodologies.

Art Survey

8013

Grade Level: 9

One semester—0.5 Credit

Art Survey provides students with the knowledge and opportunity to explore multiple art forms/media, to create individual works of art, and provide a discussion and exploration of career opportunities in the art world. Initially, these courses cover the language, materials, media and processes of multiple art forms and the elements of art and principles of design supporting works of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although Art Survey focuses on creation, inclusion of the study and analysis of major artists, art movements, and styles is included. The required annual art magnet project is completed in this course.

NORTHEAST MAGNET HIGH SCHOOL

Biology

4251X/4252X

Grade Level: 9
Two semesters—1.0 Credit
Prerequisite: Program Acceptance

Biology provides information regarding the fundamental concepts of life and life processes. Students will study a variety of topics including structure and function of organisms, ecosystems, heredity, and evolution. Students will utilize science and engineering practices and the cross cutting concepts to study the disciplinary core ideas found in the Next Generation Standards.

Biomedical Innovations

7125/7126

Grade Level: 12
Two semesters—1.0 Credit

In the final course of the Biomedical Sciences sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology.

Business Law

6170

Grade Level: 10, 11, 12
One semester—0.5 Credit
Prerequisite: Business Essentials is highly recommended

Business Law is a technical level course in the Marketing pathway. It emphasizes legal concepts that are relevant to business and business organizations in both criminal and civil areas. Topics may include, but are not limited to, criminal violations, contracts, tort actions, legal organizational structure, negotiable instruments, and employment.

Ceramics/Pottery 1

8311/8312

Grade Level: 9, 10, 11, 12
Two semester—1.0 Credit

Ceramics/Pottery 1 courses engage students in a sequential learning experience that encompasses the history of ceramics, critiquing their own work and the work of others, aesthetic inquiry, and creative production. They develop knowledge of ceramic techniques and processes with an emphasis on creative design and craftsmanship. Experience includes, but is not limited to, clay modeling, hand building, coil building, casting, sculpture and throwing on the potter's wheel. Students develop a working knowledge of kiln firing and glazing techniques.

Ceramics/Pottery 2

8321/8322

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Ceramics/Pottery 1

Students in this course will extend work begun in Ceramics/Pottery 1 to include the study and applications of advanced techniques.

Ceramics/Pottery 3

8323/8324

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Ceramics/Pottery 1 and 2

Students in this course will extend work begun in Ceramics/Pottery 1 and 2 to include the study and applications of advanced techniques.

Certified Nursing Assistant

4074

Grade Level: 11, 12
Pathway: Health Science
One semester—0.5 Credit
Certification Opportunity: KS Certification in CMA
Prerequisite: Teacher Approval

This course prepares students to perform routine nursing-related services to patients in hospitals or long-term care facilities, under the training and supervision of an approved teacher, registered nurse or licensee practical nurse. This class results in the opportunity to test for KS certification in CMA.

Computer Essentials

5735

Grade Level: 9, 10
Two semesters—1.0 Credit

Computer Essentials is an introductory level course in the A/V Communications, Network Systems, Programming & Software Development, Web & Digital Communications, and Visual Arts pathways. Students will acquire knowledge of and experience in the proper and efficient use of software commonly used in business and industry. This course explores a wide range of applications, including (but not limited to) word-processing, spreadsheet, graphics, and database programs, and they may also cover the use of electronic mail and desktop publishing.

Computer Graphics

5741/5742

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Computer Graphics is a technical level course in the Web & Digital Communications pathway, and the Graphic Design strand of the Visual Arts pathway. It is also recommended for students in the A/V strand of the A/V Communications pathway. Students will explore the capability of the computer to produce visual imagery and to apply graphic techniques to various fields, such as advertising, TV/video, and architecture. Typical course topics include modeling, simulation, animation, and image retouching.

Computer Programming

5747/5748

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Computer Programming is a technical level course in the Programming & Software Development and Web & Digital Communications pathways. This course provides students with the knowledge and skills necessary to construct computer programs in one or more languages. Initially, students learn to structure, create, document, and debug computer programs, and as they progress, more emphasis is placed on design, style, clarity, and efficiency.

NORTHEAST MAGNET HIGH SCHOOL

Computer Science Applications

6757F/6758F

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Computer Science Principles

In CSA, students collaborate to integrate technologies across multiple platforms, mobile devices, and networks.

Computer Science Principles

6753F/6754F

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Introduction to Computer Science

This course aims to develop computational thinking, generate excitement about career paths that incorporate computing, and introduce professional tools that foster creativity and collaboration.

Digital Media Design & Production

5745/5746

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Digital Video Production

Digital Media Design & Production is an application level course in the A/V strand of the A/V Communications pathway. It is designed to provide students with the opportunity to apply the fundamental techniques learned in the Digital Video Production and Audio/Video Production Fundamentals courses 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.

Digital Media Project Management

7253F/7254F

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Digital Media Technology or Teacher Approval

An application level course in which students are taught the skills necessary for success in managing projects in a professional manner. The course covers effectively using time and resources, problem-solving and decision-making, and leadership skills.

Digital Media Technology

5713

Grade Level: 10, 11, 12

One semester—0.5 Credit

Prerequisite: 21st Century Journalism or Fundamentals of Graphic Design

Digital Media Technology is a technical level course in the Communications strand of the A/V Communications pathway. Students learn 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 work flow to project planning and completion and the software, equipment and tools used in the industry.

Digital Video Production

5725/5726

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Audio/Visual Production Fundamentals

Digital Video Production is an application level course in the A/V strand of the A/V Communications pathway. Students apply the technical skills learned in Audio/Video Production Fundamentals by planning projects from setting the objectives to the post-production evaluation. The subject of the presentations will address authentic needs in the school or community.

Drawing/Painting 1

8251/8252

Grade Level: 9, 10, 11, 12

Two semesters—1.0 Credit

Drawing/Painting 1 courses focus on drawing and painting together in a foundational presentation. Attention is given to two-dimensional work and utilizes one or more mediums, such as pen-and-ink, pencil, chalk, watercolor, tempera, oils, and acrylics. As students advance and become more adept, the instruction regarding the creative process becomes more refined and students are encouraged to develop their own artistic styles. Design fundamentals, art history and art criticism are integral components of the course.

Drawing 2

8157/8158

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Drawing/Painting 1

Drawing courses engage students in sequential learning experiences that provide a foundation in drawing using a variety of media and techniques in both black and white and in color. Emphasis is on observation and interpretation of the visual environment, life drawing, and imaginative drawing. Included are the application of the elements of art and principles of design, a study of historical and contemporary art and artists from a worldwide perspective, and instruction and practice in the critique process. As students advance and become more adept, the instruction regarding the creative process becomes more refined and students are encouraged to develop their own artistic styles.

Drawing 3

8159/8160

Grade Level: 11, 12

Two semester—1.0 Credit

Prerequisite: Drawing/Painting 1 and Drawing 2

Students will extend work begun in Drawing 2 to include the study and application of advanced techniques.

Emergency Medical Technician (*Workbook Fee*)

7356/7357

Grade Level: 10, 11, 12

Two semesters—1.0 Credit

Prerequisite: Firefighter 1

Emergency Medical Technician is a technical level course in the Emergency & Fire Management Services pathway. The course is designed to provide students with the skills and knowledge to become an entry-level care provider as an EMT. A national registry examination is required for certification. This course presents the opportunity to earn concurrent credit through Hutchinson Community College.

Engineering Design and Development

7043/7044

Grade Level: 11, 12

Two semesters—1.0 Credit

Prerequisite: Principles of Engineering and Introduction to Engineering Design

Engineering Design and Development is an application level course in the Engineering & Applied Mathematics pathway. It involves two-to four-person teams that research an open-ended problem and then design and construct a solution to it. Each team must submit progress reports and a final research paper. The team members then defend the solution with an oral presentation before an outside review panel.

NORTHEAST MAGNET HIGH SCHOOL

Firefighter 1

7352L/7353L

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

Firefighter 1 is a technical level course in the Emergency & Fire Management Services pathway. The course will enable the student to perform basic fire services operations and gain basic knowledge of personal safety, personal protective clothing and equipment, fire service tools and equipment, fire behavior, building construction and tactics and strategies. The student will learn requirements for initial response to hazardous materials incidents and develop team communication skills necessary for emergency operations. This course presents the opportunity to earn concurrent credit through Hutchinson Community College.

Firefighter 2

7354L/7355L

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Firefighter 1

Firefighter 2 is an application level course in the Emergency & Fire Management Services pathway. The course will provide students with the knowledge and skills needed to perform advanced fire control, hose and appliances, vehicle extrication, fire cause determination, special rescue, public fire education, building construction, fire detection and suppression systems, fire fighter safety, communications and indigent command. This course presents the opportunity to earn concurrent credit through Hutchinson Community College.

Foundations in Law

7631/7632

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

This application level course will study the basic legal principles common to a broad base of everyday business activities and will provide practical law information necessary to develop problem-solving skills in our legal society. Topics include, but are not limited to, criminal law, juvenile law, torts, family law, discrimination, writing a brief and employee rights.

Freshman Composition

1307/1308

Two semesters—1.0 Credit

A freshmen (grade 9) language arts reading writing, and research class, which focuses on students targeted needs. Instruction will be focused on student individual achievement. To provide additional time for intervention and instructional support for students to meet reading and writing state assessments. Students will enhance composition by focusing on writing skills, sentence structure, and vocabulary at an advanced level. Research knowledge and skills will be strengthened. Students must be concurrently enrolled in English 1.

Freshman Research

4163/4164

Grade Level: 9
Two semesters—1.0 Credit

This is the Freshman science course for students at Northeast Magnet High School. The course covers topic in earth and space science research and protocols needed to design and complete science and engineering projects.

Game Design

5775/5776

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Computer Programming

Game Design is an application level course in the Programming & Software Development and Web & Digital Communications pathways. Game technologies represent the culmination of logic, sequence, tool utilization, and extension of skill. Programming process for this course will utilize all previously learned factors of programming logic, artistry, and interactivity.

Graphic Design—Computer Studies

5781/5782

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Principles of Illustration or Fundamentals of Graphic Design

Graphic Design is a technical level course in the Graphic Design strand of the Visual Arts pathway. It emphasizes design elements and principles in the purposeful arrangement of images and text to communicate a message, ideas, or other information through digital or printed media. Focus of the course will be on creating art products such as advertisements, product designs, and identity symbols. Eligible for Fine Arts credit.

Graphic Design Project Management

7255F/7256F

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Graphic Design

An application level course in which students are taught the skills necessary for success in managing projects in a professional manner. The course covers effectively using time and resources, problem-solving and decision-making, and leadership skills.

Human Body Systems

7119/7120

Grade Level: 10, 11, 12
Two semesters—1.0 Credit

Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Exploring science in action, students build organs and tissues on a skeletal Manikine®, use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration; and take on roles of biomedical professionals to solve real-world medical cases.

Interactive Media

5700

Grade Level: 9, 10, 11, 12
Pathway: Web & Digital Communications
One semester—0.5 Credit

This course provides students with the knowledge and skills to create, design, and produce interactive media products and services. The course will emphasize the development of digitally generated and/or computer-enhanced media. Course topics will include animation, graphic and digital media, web tools, and game programming.

Introduction to Drawing & Design

8175X

Grade Level: 9, 10
One semester—0.5 Credit

Introduction to Drawing and Design is part of the Graphic Design and FAID pathways and emphasizes the development of fundamental drawing and design skills. The focus will be on the application of art theory, processes and techniques, and design and composition through hard and/or electronic software. This course may be taken for Fine Arts credit.

Introduction to Engineering Design

7041/7042

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Introduction to Engineering Design is a technical level course in the Engineering & Applied Mathematics pathway. It is designed to develop students' problem solving skills, with emphasis on visualization and communication skills using a computer and 3-D solid modeling software. Students need to demonstrate a readiness for Algebra 1.

NORTHEAST MAGNET HIGH SCHOOL

Introduction to Health Care

4091X

Grade Level: 9
One semester—0.5 Credit

Introduction to Health Care is designed for ninth grade students to become knowledgeable of the skills, courses and requirements to be successful in the Health Science pathway. Students will learn study skills and explore career interests in health care. At the completion of the course, students will have a strong understanding of the steps needed to prepare for the finance education beyond high school.

Painting 2

8165/8166

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Drawing/Painting 1

Painting courses provide a foundation in painting in a variety of media and techniques or may concentrate work in one media. Attention is on sequential learning experiences that focus on production of finished two-dimensional works of art. Emphasis is on observation, interpretation of the visual environment, and imaginative painting. Application of the elements of art and principles of design, a study of historical and contemporary art and artists from a worldwide perspective, and instruction and practice in the critique process are also addressed. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles.

Introduction to Law and Public Service

3481

Grade Level: 9, 10
One semester—0.5 Credit

Introduction to Law and Public Service is an introductory course in the Emergency & Fire Management Services pathway. The course will examine law-related material and career options. It is designed to be an introduction to law and the legal system. An individual law-related project will be completed, presented and displayed by each student. There will be a special emphasis placed on a fire science unit in cooperation with the Wichita or Sedgwick County Fire Departments.

Painting 3

8169/8170

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Drawing/Painting 1 and 2

Student will extend work begun in Painting 2 to include the study and application of advanced techniques.

Issues Seminar/Research

1527/1528

One semester—0.5 Credit
Required for 11th Grade Law Students

Issues Seminar/Research explores contemporary topics of law, public, and social policy. This course, taught in relationship to simulation activities and field experiences, will emphasize the development of analytical/critical thinking skills and analytical writing skills.

LPSS Internship

7626

Grade Level: 12
One semester—0.5 Credit

LPSS Internship is an application level course within the Law, Public Safety, and Corrections and Security cluster. It provides students with work experience in fields related to law, public safety, corrections and security. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). This course may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace. For off-campus experience, students must provide their own transportation.

Medical Interventions

7123/7124

Grade Level: 11, 12
Two semesters—1.0 Credit

Students follow the life of a fictitious family as they investigate how to detect and fight infection; screen and evaluate the code in human DNA; conquer cancer; and prevail when the organs of the body begin to fail. Through real-world cases, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices and diagnostics.

Mentorship

9041

One semester—0.5 Credit
Required for 12th Grade Law Students

This course will provide experience in the field of the student's interest. Students will spend from six to seven hours weekly with their mentors.

Phlebotomy Technician

4075

Grade Level: 12
Pathway: Health Science
One semester—0.5 Credit
Certification Opportunity: KS Phlebotomy Technician
Prerequisite: Teacher Approval

This course prepares students, under the supervision of physicians and other health care professionals, to draw blood samples from patients using a variety of intrusive procedures. This class includes instruction in basic vascular anatomy and physiology, blood physiology, skin puncture techniques, venipuncture, venous specimen collection and handling, safety and sanitation procedures, and applicable standards and regulations associated with phlebotomy. This class results in the opportunity to test for KS certification as a Phlebotomy Technician.

Photo Imaging

5715

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit

Photo Imaging is a technical level course in the Communications strand of the A/V Communications pathway and in the Graphic Design strand of the Visual Arts pathway. Students learn the technical skills needed to produce quality images for use in a variety of applications. Topics include use of equipment, software and techniques to take, edit and manipulate digital images. *Eligible for Fine Arts Credit.*

Practical Law/Mock Trial

6173/3511

Two semesters—1.0 Credit
Required for 10th Grade Law Students

This course will provide practical law information necessary for students to develop problem-solving skills in our legal society. Topics covered will include criminal law, juvenile law, torts, family law, discrimination, writing a brief, and employee rights and responsibilities. Students will study the basic elements of restorative justice and responsibilities. Students will study the basic elements of restorative justice and develop oral and written presentation skills along with logical argumentative skills.

NORTHEAST MAGNET HIGH SCHOOL

Principles of Biomedical Sciences

7117/7118

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

In the introductory course of the BMS program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged this person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Principles of Engineering

7481/7482

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Introduction to Engineering Design

Principles of Engineering is a technical level course in the Engineering & Applied Mathematics pathway. It is a broad-based survey course to help students understand engineering and engineering technology, and to explore career options. Theoretical and hands-on problem solving are emphasized.

Principles of Illustration

5778

Grade Level: 9, 10, 11, 12
One semester—0.5 Credit

Principles of Illustration is a technical level course in the Visual Arts pathway. Students explore a variety of media, tools and supports as a means to communicate ideas. Topics include an understanding of traditional and digital illustration as it applies to careers in graphic design, animation, fashion/textile design, industrial design, web design, architecture, interior design and/or fine arts. *This course may be taken for Fine Arts credit.*

Programming Tech Support

5707/5708

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Application, Teacher Approval and Site Technology Specialist (STS) Interview, Students must complete Computer Programming to be considered for selection

Programming Tech Support is an application level course in the Programming & Software Development pathway. It is designed to provide students a learning environment where they complete tasks similar to those of a programming/software technician on a business network. The course incorporates rigorous academic and technical standards along with official workplace skills such as problem solving, communication & teamwork. *(Repeatable for Credit)*

Robotics

7069/7070

Grade Level: 11, 12
Pathway: Engineering and Applied Mathematics
Two semesters—1.0 Credit
Prerequisite: Principles of Engineering

In this technical level course, students will learn the fundamentals of mechatronics engineering and engineering problem solving. Students will develop and design a working robot using 3D CAD software, will learn programming skills, and will participate in classroom and extra-curricular robotic competitions.

Sculpture 1

8119/8120

Grade Level: 9, 10, 11, 12
Two semesters—1.0 Credit

Sculpture courses promote creative expression through three-dimensional works. Students explore realistic and abstract sculpture through subtractive (carving), additive (modeling), and assemblage techniques in one or more media. They produce realistic and abstract sculptures while incorporating elements of art and principles of design. A study of historical and contemporary sculpture and sculptors from a worldwide perspective and instruction and practice in the critique process are also addressed. Material experiences include, but are not limited to wood, plastic, paper, natural materials, clay and found objects.

Sculpture 2

8191/8192

Grade Level: 10, 11, 12
Two semesters—1.0 Credit
Prerequisite: Sculpture 1

Students in this course will extend work begun in Sculpture 1 to include the study and applications of advanced techniques.

Sculpture 3

8193/8194

Grade Level: 11, 12
Two semesters—1.0 Credit
Prerequisite: Sculpture 1 and 2

Students in this course will extend work begun in Sculpture 1 and 2 to include the study and applications of advanced techniques.

Special Art Productions

8381/8382

Two semesters—1.0 Credit

Special Art Production courses are long term advanced art studies and/or production in art. This course is designed for advanced students who are self-motivated and able to work independently with minimal instruction or assistance. This course requires teacher approval and must meet certain departmental guidelines. Course may be repeated for credit.

Youth Court

3517/3518

Grade Level: 11, 12
Two semesters—1.0 Credit

Application course in which students will demonstrate technical skills related to careers in the legal and judicial field, and analyze the impact of legal and judicial careers on community health and service.

EARLY COLLEGE ACADEMY AT NORTHWEST HIGH SCHOOL



Wichita Public Schools' Early College Academy is a program that provides an educational opportunity to students through a partnership between Wichita Public Schools and Friends University. Students admitted into the Early College Academy will take a rigorous course of study and, if successful, will earn college hours from

Friends University and a Wichita Public Schools traditional high school diploma. WPS and Friends University chase academic excellence and are excited to offer this unique college experience to a select cohort of students who meet the application criteria.

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester
	9	10	11	12		
ECA 101	•				1.0	6969/6970
ECA Honors English 1	•				1.0	1213A/1214A 1213B/1214B
ECA Algebra 1	•				1.0	2111A/2112A 2111B/2112B
ECA Geometry	•	•			1.0	2421A/2422A 2421B/2422B
ECA The Aesthetic Experience Through Music Postsecondary (@ Friends)	•				0.5	8003A/8004A
ECA The Aesthetic Experience Through Music Postsecondary (@ Friends)	•				0.5	8003B/8004B
ECA 102		•			1.0	6971/6972
ECA Honors Algebra II (@ Northwest)		•	•		1.0	2135A/2136A 2135B/2136B
ECA Honors English II		•			1.0	1223A/1224A 1223B/1224B
ECA Speech 1 (@ Northwest)		•			0.5	1731A/1731B
ECA Speech 2 (@ Northwest)		•			0.5	1732A/1732B
ECA Financial Literacy (@ Northwest)		•			0.5	7610A/7610B
ECA Introduction to Sociology Postsecondary (@ Friends)		•			0.5	3800A/3800B
ECA 103			•		1.0	6973/6974
ECA PreCalculus/Trigonometry (@ Northwest)			•	•	1.0	2019A/2020A 2019B/2020B
ECA AP Language & Composition (@Northwest)			•		1.0	1147A/1148A 1147B/1148B
ECA AP US History II			•		1.0	3657A/3658A 3657B/3658B
ECA Physics			•		1.0	4801A/4802A 4801B/4802B
ECA AP Physics			•		1.0	4789A/4790A 4789B/4790B
ECA Psychology Postsecondary (@ Friends)			•		0.5	3700A/3700B
ECA Physical Science/Lab Postsecondary (@ Friends)			•		0.5	4811A/4812A 4811B/4812B
ECA Biological Science Lab Postsecondary (@ Friends)			•		0.5	4251A/4252A 4251B/4252B

EARLY COLLEGE ACADEMY AT NORTHWEST HIGH SCHOOL

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester
	9	10	11	12		
ECA 104				•	1.0	6979/6980
ECA Introduction to Literature Postsecondary (@ Friends)				•	1.0	1309A/1310A 1309B/1310B
ECA AP Calculus (@ Northwest)				•	1.0	2203A/2204A 2203B/2204B
ECA AP Statistics (@ Northwest)				•	1.0	2241A/2242A 2241B/2242B
ECA American Government Postsecondary (@ Friends)				•	0.5	3350A/3350B
ECA Economics Postsecondary 1 (@ Friends)				•	0.5	3200A/3200B
ECA Economics Postsecondary 2 (@ Friends)				•	0.5	3205A/3205B

Course Descriptions: Most courses in this section are listed due to their unique course code number. Courses previously listed in the Program of Study will not have descriptions in this section. Courses not previously listed will have a description in this section.

ECA 101 6969/6970

Grade Level: 9
Two semesters—1.0 Credit

Students in this course will spend time working with teachers to understand the goals of the Early College Academy, develop their skills and depth of knowledge in the field, and complete the necessary projects and coursework identified by instructors to complete the course.

ECA The Aesthetic Experience Through Music 8003A/8004A Postsecondary (@ Friends) 8003B/8004B

Grade Level: 9
Two semesters—1.0 Credit

This course is designed to support educators in their development of skills and techniques needed in order to teach music. This course introduces future educators to the opportunities available to educators of music.

ECA 102 6971/6972

Grade Level: 10
Two semesters—1.0 Credit

Students in this course will spend time working with teachers to understand the goals of the Early College Academy, develop their skills and depth of knowledge in the field, and complete the necessary projects and coursework identified by instructors to complete the course.

ECA 103 6973/6974

Grade Level: 11
Two semesters—1.0 Credit

Students in this course will spend time working with teachers to understand the goals of the Early College Academy, develop their skills and depth of knowledge in the field, and complete the necessary projects and coursework identified by instructors to complete the course.

ECA 104 6979/6980

Grade Level: 12
Two semesters—1.0 Credit

Students in this course will spend time working with teachers to understand the goals of the Early College Academy, develop their skills and depth of knowledge in the field, and complete the necessary projects and coursework identified by instructors to complete the course.

ECA Intro to Literature 1309A/1310A Postsecondary (@ Friends) 1309B/1310B

Grade Level: 12
Two semesters—1.0 Credit

In this course, students will engage in careful reading and critical analysis of a range of literary texts. Students will deepen their understanding of the ways writers use language to provide both meaning and pleasure for their readers. Students will study figurative language, symbolism, imagery and other literary elements.

High School Learning Center Courses

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester O=Online original course DO=Duplicate of online course	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Literacy Intervention .5	•	•	•	•	.5	9537O		
English 1	•				1.0	1211O/1212O 1211DO/1212DO	♦	♦
English 1 Honors	•				1.0	1213O/1214O 1213DO/1214DO	♦	♦
Adapted English 1	•				1.0	1215O/1216O 1215DO/1215DO	♦	♦
English 2		•			1.0	1221O/1222O 1221DO/1211DO	♦	♦
English 2 Honors		•			1.0	1223O/1224O 1223DO/1224DO	♦	♦
Adapted English 2		•			1.0	1225O/1226O 1225DO/1226DO	♦	♦
English 3			•		1.0	1231O/1232O 1231DO/1231DO	♦	♦
English 3 Honors			•		1.0	1233O/1234O 1233DO/1234DO	♦	♦
Adapted English 3			•		1.0	1235O/1236O 1235DO/1236DO	♦	♦
English 4				•	1.0	1561O/1562O 1561DO/1562DO	♦	♦
English 4 Honors				•	1.0	1153O/1154O 1153DO/1154DO	♦	♦
Adapted English 4				•	1.0	1245O/1246O 1245DO/1246DO	♦	♦
Tier 2 Math Intervention	•	•	•	•	1.0	9233O/9234O		
Foundations in Algebra	•				1.0	2015O/2016O 2015DO/2016DO	♦	♦
Algebra I	•	•	•	•	1.0	2111O/2112O 2111DO/2112DO	♦	♦
Adapted Algebra I	•	•	•	•	1.0	2169O/2170O 2169DO/2170DO	♦	♦
Geometry	•	•	•	•	1.0	2421O/2422O 2421DO/2421DO	♦	♦
Adapted Geometry	•	•	•	•	1.0	2409O/2410O 2409DO/2410DO	♦	♦
Algebra II	•	•	•	•	1.0	2121O/2122O 2121DO/2122DO	♦	♦
Algebra II Honors	•	•	•	•	1.0	2135O/2136O 2135DO/2135DO	♦	♦
Math Applications				•	1.0	2154O/2155O 2154DO/2155DO		
Adapted Math Applications			•	•	1.0	2403O/2404O 2403DO/2404DO		
Precalculus/Trigonometry			•	•	1.0	2151O/2152O 2151DO/2152DO	♦	♦
Algebra III			•	•	1.0	2021O/2022O 2021DO/2022DO	♦	♦

High School Learning Center Courses

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester O=Online original course DO=Duplicate of online course	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Biology 1	•	•	•	•	1.0	4251O/4252O 4251DO/4252DO	♦	♦
Adapted Biology	•	•	•	•	1.0	4955O/4956O 4955DO/4956DO	♦	♦
Honors Biology	•	•	•	•	1.0	4253O/4254O 4253DO/4254DO	♦	♦
Earth/Space Science		•	•	•	1.0	4361O/4362O 4361DO/4362DO	♦	♦
Adapted Earth/Space Science			•	•	1.0	4815O/4816O 4815DO/4816DO	♦	♦
Chemistry 1		•	•	•	1.0	4321O/4322O 4321DO/4322DO	♦	♦
Global and Environmental Studies		•	•	•	1.0	4827O/4828O 4827DO/4828DO	♦	♦
Adapted Global and Environmental Studies		•	•	•	1.0	4799O/4800O 4799DO/7800DO	♦	♦
Physical Science		•	•	•	1.0	4365O/4366O 4365DO/4366DO	♦	♦
World History	•				1.0	3451O/3452O 3451DO/3452DO	♦	♦
Honors World History	•				1.0	3453O/3454O 3453DO/3454DO	♦	♦
Adapted World History	•				1.0	3455O/3456O 3455DO/3456DO	♦	♦
United States History 1		•			1.0	3361O/3362O 3361DO/3362DO	♦	♦
Honors United States History 1		•			1.0	3363O/3364O 3363DO/3364DO	♦	♦
Adapted United States History 1		•			1.0	3365O/3366O 3365DO/3366DO	♦	♦
United States History 2			•	•	1.0	3641O/3642O 3641DO/3642DO	♦	♦
Honors United States History 2			•	•	1.0	3643O/3644O 3643DO/3644DO	♦	♦
Adapted United States History 2			•	•	1.0	3645O/3646O 3645DO/3646DO	♦	♦
United States Government				•	0.5	3350O 3350DO	♦	♦
United States Government Extended Course				•	1.0	3351O/3352O 3351DO/3352DO	♦	♦
Honors United States Government				•	0.5	3359O 3359DO	♦	♦
Adapted United States Government				•	0.5	3355O 3355DO	♦	♦

High School Learning Center Courses

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester O=Online original course DO=Duplicate of online course	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
World Geography	•	•	•	•	0.5	3307O/3308O 3307DO/3308DO	♦	♦
Psychology			•	•	0.5	3700O 3700DO	♦	♦
Honors Psychology			•	•	0.5	3705O 3705DO	♦	♦
Economics				•	0.5	3200O 3200DO	♦	♦
Sociology			•	•	0.5	3800O 3800DO	♦	♦
Financial Literacy			•	•	0.5	7610O 7610DO	♦	
Physical Education & Health Foundations	•	•	•	•	1.0	8748O/8749O 8748DO/8749DO	♦	
Art History 1	•	•	•	•	0.5	8010O 8010DO	♦	
Art History 2	•	•	•	•	0.5	8011O 8011DO	♦	

These courses can only be taken if they were started at a different location

Business Essentials	•	•	•	•	1.0	6720O/6737O 6720DO/6737DO		
Entrepreneurship (CTE)	•	•	•	•	0.5	6906O 6906DO		
Strategies for Academic Success	•	•	•	•	0.5	9411O 9411DO		
Computer Essentials	•	•	•	•	1.0	5735O/5736O 5735DO/5736DO		

Original and credit recovery courses align directly with curriculum and standards taught in regular courses. Students receive support from highly qualified teachers. Credit recovery courses have pretest enabled.

Message to address NCAA:

Wichita Public Schools offers courses that students can take in non-traditional settings, including online, summer school, or at learning centers or through alternative programs. Sometimes, post-high school educational institutions requiring NCAA approved courses do not accept these credits. Prior to enrolling in these non-traditional courses, it is recommended that students and/or students' parents or guardians check with any institutions to which the student may apply or enroll in order to confirm whether the student's non-traditional credits will be recognized as NCAA approved.

If there are any questions, please contact Dr. Andi Giesen, Assistant Superintendent of Learning Services, by emailing agiesen@usd259.net or calling (316) 973-4436.

Wichita Alternative Courses

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester O=Online original course DO=Duplicate of online course	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Literacy Intervention .5	•	•	•	•	.5	9537O		
English 1	•				1.0	1211O/1212O 1211DO/1212DO	♦	♦
English 1 Honors	•				1.0	1213O/1214O 1213DO/1214DO	♦	♦
Adapted English 1	•				1.0	1215O/1216O 1215DO/1215DO	♦	♦
English 2		•			1.0	1221O/1222O 1221DO/1211DO	♦	♦
English 2 Honors		•			1.0	1223O/1224O 1223DO/1224DO	♦	♦
Adapted English 2		•			1.0	1225O/1226O 1225DO/1226DO	♦	♦
English 3			•		1.0	1231O/1232O 1231DO/1232DO	♦	♦
English 3 Honors			•		1.0	1233O/1234O 1233DO/1234DO	♦	♦
Adapted English 3			•		1.0	1235O/1236O 1235DO/1236DO	♦	♦
English 4				•	1.0	1561O/1562O 1561DO/1562DO	♦	♦
English 4 Honors				•	1.0	1153O/1154O 1153DO/1154DO	♦	♦
Adapted English 4				•	1.0	1245O/1246O 1245DO/1246DO	♦	♦
Tier 2 Math Intervention	•	•	•	•	1.0	9233O/9234O		
Foundations in Algebra	•				1.0	2015O/2016O 2015DO/2016DO	♦	♦
Algebra I	•	•	•	•	1.0	2111O/2112O 2111DO/2112DO	♦	♦
Adapted Algebra I	•	•	•	•	1.0	2169O/2170O 2169DO/2170DO	♦	♦
Geometry	•	•	•	•	1.0	2421O/2422O 2421DO/2421DO	♦	♦
Adapted Geometry	•	•	•	•	1.0	2409O/2410O 2409DO/2410DO	♦	♦
Algebra II	•	•	•	•	1.0	2121O/2122O 2121DO/2122DO	♦	♦
Algebra II Honors	•	•	•	•	1.0	2135O/2136O 2135DO/2135DO	♦	♦
Math Applications				•	1.0	2154O/2155O 2154DO/2155DO		
Adapted Math Applications			•	•	1.0	2403O/2404O 2403DO/2404DO		
Precalculus/Trigonometry			•	•	1.0	2151O/2152O 2151DO/2152DO	♦	♦

Wichita Alternative Courses

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester O=Online original course DO=Duplicate of online course	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Algebra III			•	•	1.0	2021O/2022O 2021DO/2022DO	♦	♦
Biology 1	•	•	•	•	1.0	4251O/4252O 4251DO/4252DO	♦	♦
Adapted Biology	•	•	•	•	1.0	4955O/4956O 4955DO/4956DO	♦	♦
Honors Biology	•	•	•	•	1.0	4253O/4254O 4253DO/4254DO	♦	♦
Earth/Space Science		•	•	•	1.0	4361O/4362O 4361DO/4362DO	♦	♦
Adapted Earth/Space Science			•	•	1.0	4815O/4816O 4815DO/4816DO	♦	♦
Chemistry 1		•	•	•	1.0	4321O/4322O 4321DO/4322DO	♦	♦
Global and Environmental Studies		•	•	•	1.0	4827O/4828O 4827DO/4828DO	♦	♦
Adapted Global and Environmental Studies		•	•	•	1.0	4799O/4800O 4799DO/7800DO	♦	♦
Physical Science		•	•	•	1.0	4365O/4366O 4365DO/4366DO	♦	♦
World History	•				1.0	3451O/3452O 3451DO/3452DO	♦	♦
Honors World History	•				1.0	3453O/3454O 3453DO/3454DO	♦	♦
Adapted World History	•				1.0	3455O/3456O 3455DO/3456DO	♦	♦
United States History 1		•			1.0	3361O/3362O 3361DO/3362DO	♦	♦
Honors United States History 1		•			1.0	3363O/3364O 3363DO/3364DO	♦	♦
Adapted United States History 1		•			1.0	3365O/3366O 3365DO/3366DO	♦	♦
United States History 2			•	•	1.0	3641O/3642O 3641DO/3642DO	♦	♦
Honors United States History 2			•	•	1.0	3643O/3644O 3643DO/3644DO	♦	♦
Adapted United States History 2			•	•	1.0	3645O/3646O 3645DO/3646DO	♦	♦
United States Government				•	0.5	3350O 3350DO	♦	♦
United States Government Extended Course				•	1.0	3351O/3352O 3351DO/3352DO	♦	♦
Honors United States Government				•	0.5	3359O 3359DO	♦	♦

Wichita Alternative Courses

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester O=Online original course DO=Duplicate of online course	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Adapted United States Government				•	0.5	3355O 3355DO	♦	♦
World Geography	•	•	•	•	0.5	3307O/3308O 3307DO/3308DO	♦	♦
Psychology			•	•	0.5	3700O 3700DO	♦	♦
Honors Psychology			•	•	0.5	3705O 3705DO	♦	♦
Economics				•	0.5	3200O 3200DO	♦	♦
Sociology			•	•	0.5	3800O 3800DO	♦	♦
Financial Literacy			•	•	0.5	7610O 7610DO	♦	
Physical Education & Health Foundations	•	•	•	•	1.0	8748O/8749O 8748DO/8749DO	♦	
Art History 1	•	•	•	•	0.5	8010O 8010DO	♦	
Art History 2	•	•	•	•	0.5	8011O 8011DO	♦	
Business Communications		•	•	•	0.5	6705O 6705DO		
Business Essentials	•	•	•	•	0.5	6720O 6720DO		
Business Law	•	•	•	•	0.5	6170O 6170DO		
Entrepreneurship (CTE)	•	•	•	•	0.5	6906O 6906DO		
Strategies for Academic Success	•	•	•	•	0.5	9411O 9411DO		
Computer Essentials	•	•	•	•	1.0	5735O/5736O 5735DO/5736DO		
Introduction to Art	•	•	•	•	1.0	8201O/8202O 8201DO/8202DO		
Career and Life Planning	•	•	•	•	0.5	7635O 7635DO		

Course Descriptions: Most courses in this section are listed due to their unique course code number. Courses previously listed in the Program of Study will not have descriptions in this section. Courses not previously listed will have a description in this section.

Gateway, Sowers, JDF, Levy, Wichita Children's Home & Adult Learning Center Courses

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester O=Online original course DO=Duplicate of online course	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Literacy Intervention .5	•	•	•	•	.5	9537O		
English 1	•				1.0	1211O/1212O 1211DO/1212DO	♦	♦
English 1 Honors	•				1.0	1213O/1214O 1213DO/1214DO	♦	♦
Adapted English 1	•				1.0	1215O/1216O 1215DO/1215DO	♦	♦
English 2		•			1.0	1221O/1222O 1221DO/1211DO	♦	♦
English 2 Honors		•			1.0	1223O/1224O 1223DO/1224DO	♦	♦
Adapted English 2		•			1.0	1225O/1226O 1225DO/1226DO	♦	♦
English 3			•		1.0	1231O/1232O 1231DO/1231DO	♦	♦
English 3 Honors			•		1.0	1233O/1234O 1233DO/1234DO	♦	♦
Adapted English 3			•		1.0	1235O/1236O 1235DO/1236DO	♦	♦
English 4				•	1.0	1561O/1562O 1561DO/1562DO	♦	♦
English 4 Honors				•	1.0	1153O/1154O 1153DO/1154DO	♦	♦
Adapted English 4				•	1.0	1245O/1246O 1245DO/1246DO	♦	♦
Tier 2 Math Intervention	•	•	•	•	1.0	9233O/9234O		
Foundations in Algebra	•				1.0	2015O/2016O 2015DO/2016DO	♦	♦
Algebra I	•	•	•	•	1.0	2111O/2112O 2111DO/2112DO	♦	♦
Adapted Algebra I	•	•	•	•	1.0	2169O/2170O 2169DO/2170DO	♦	♦
Geometry	•	•	•	•	1.0	2421O/2422O 2421DO/2421DO	♦	♦
Adapted Geometry	•	•	•	•	1.0	2409O/2410O 2409DO/2410DO	♦	♦
Algebra II	•	•	•	•	1.0	2121O/2122O 2121DO/2122DO	♦	♦
Algebra II Honors	•	•	•	•	1.0	2135O/2136O 2135DO/2135DO	♦	♦
Math Applications				•	1.0	2154O/2155O 2154DO/2155DO		
Adapted Math Applications			•	•	1.0	2403O/2404O 2403DO/2404DO		
Precalculus/Trigonometry			•	•	1.0	2151O/2152O 2151DO/2152DO	♦	♦

Gateway, Sowers, JDF, Levy, Wichita Children's Home & Adult Learning Center Courses

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester O=Online original course DO=Duplicate of online course	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Algebra III			•	•	1.0	2021O/2022O 2021DO/2022DO	♦	♦
Biology 1	•	•	•	•	1.0	4251O/4252O 4251DO/4252DO	♦	♦
Adapted Biology	•	•	•	•	1.0	4955O/4956O 4955DO/4956DO	♦	♦
Honors Biology	•	•	•	•	1.0	4253O/4254O 4253DO/4254DO	♦	♦
Earth/Space Science		•	•	•	1.0	4361O/4362O 4361DO/4362DO	♦	♦
Adapted Earth/Space Science			•	•	1.0	4815O/4816O 4815DO/4816DO	♦	♦
Chemistry 1		•	•	•	1.0	4321O/4322O 4321DO/4322DO	♦	♦
Global and Environmental Studies		•	•	•	1.0	4827O/4828O 4827DO/4828DO	♦	♦
Adapted Global and Environmental Studies		•	•	•	1.0	4799O/4800O 4799DO/7800DO	♦	♦
Physical Science		•	•	•	1.0	4365O/4366O 4365DO/4366DO	♦	♦
World History	•				1.0	3451O/3452O 3451DO/3452DO	♦	♦
Honors World History	•				1.0	3453O/3454O 3453DO/3454DO	♦	♦
Adapted World History	•				1.0	3455O/3456O 3455DO/3456DO	♦	♦
United States History 1		•			1.0	3361O/3362O 3361DO/3362DO	♦	♦
Honors United States History 1		•			1.0	3363O/3364O 3363DO/3364DO	♦	♦
Adapted United States History 1		•			1.0	3365O/3366O 3365DO/3366DO	♦	♦
United States History 2			•	•	1.0	3641O/3642O 3641DO/3642DO	♦	♦
Honors United States History 2			•	•	1.0	3643O/3644O 3643DO/3644DO	♦	♦
Adapted United States History 2			•	•	1.0	3645O/3646O 3645DO/3646DO	♦	♦
United States Government				•	0.5	3350O 3350DO	♦	♦
United States Government Extended Course				•	1.0	3351O/3352O 3351DO/3352DO	♦	♦
Honors United States Government				•	0.5	3359O 3359DO	♦	♦

Gateway, Sowers, JDF, Levy, Wichita Children's Home & Adult Learning Center Courses

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester O=Online original course DO=Duplicate of online course	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Adapted United States Government				•	0.5	3355O 3355DO	♦	♦
World Geography	•	•	•	•	0.5	3307O/3308O 3307DO/3308DO	♦	♦
Psychology			•	•	0.5	3700O 3700DO	♦	♦
Honors Psychology			•	•	0.5	3705O 3705DO	♦	♦
Economics				•	0.5	3200O 3200DO	♦	♦
Sociology			•	•	0.5	3800O 3800DO	♦	♦
Financial Literacy			•	•	0.5	7610O 7610DO	♦	
Physical Education & Health Foundations	•	•	•	•	1.0	8748O/8749O 8748DO/8749DO	♦	
Art History 1	•	•	•	•	0.5	8010O 8010DO	♦	
Art History 2	•	•	•	•	0.5	8011O 8011DO	♦	
Business Essentials	•	•	•	•	1.0	6720O/6737O 6720DO/6737DO		
Entrepreneurship (CTE)	•	•	•	•	0.5	6906O 6906DO		
Strategies for Academic Success	•	•	•	•	0.5	9411O 9411DO		
Computer Essentials	•	•	•	•	1.0	5735O/5736O 5735DO/5736DO		
Career and Life Planning	•	•	•	•	0.5	7635O 7635DO		

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Strategies for Academic Success 9411O/9411DO

One semester—0.5 Credit

This course offers a comprehensive analysis of different types of motivation, study habits, and learning styles. Students will explore varying strategies for success that will help them identify what works best for them individually. Throughout the course, students will compare different types of motivation and explain how motivation affects academics. They will work to

Strategies for Academic Success (continued)

understand the concept of academic integrity, identify different types of organizers and describe the purposes of each, describe different strategies for remembering information, list and explain each of the five steps of test preparation, and explain the importance of following a rubric. Students will also describe the benefits of creating study groups and distinguish the characteristics of quality study groups.

Education Imagine Academy & Wichita Learning Center at Towne East

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester V=original credit DV=duplicate (credit recovery)	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
American Sign Language 1	•	•	•	•	1.0	1313V/1314V	♦	
American Sign Language 2	•	•	•	•	1.0	1315V/1316V	♦	
AP Literature				•	1.0	1201V/1202V	♦	♦
Creative Writing 1		•			0.5	1540V	♦	
Creative Writing 2		•			0.5	1541V	♦	
Literacy Intervention .5	•	•	•	•	.5	9537		
English 1	•				1.0	1211V/1212V 1211DV/1212DV	♦	♦
English 1 Honors	•				1.0	1213V/1214V 1213DV/1214DV	♦	♦
Adapted English 1	•				1.0	1215V/1216V 1215DV/1215DV	♦	♦
English 2		•			1.0	1221V/1222V 1221DV/1211DV	♦	♦
English 2 Honors		•			1.0	1223V/1224V 1223DV/1224DV	♦	♦
Adapted English 2		•			1.0	1225V/1226V 1225DV/1226DV	♦	♦
English 3			•		1.0	1231V/1232V 1231DV/1231DV	♦	♦
English 3 Honors			•		1.0	1233V/1234V 1233DV/1234DV	♦	♦
Adapted English 3			•		1.0	1235V/1236V 1235DV/1236DV	♦	♦
English 4				•	1.0	1561V/1562V 1561DV/1562DV	♦	♦
English 4 Honors				•	1.0	1153V/1154V 1153DV/1154DV	♦	♦
Adapted English 4				•	1.0	1245V/1246V 1245DV/1246DV	♦	♦
English Skills 1	•				1.0	1915V/1916V		
English Skills 2		•			1.0	1925V/1926V		
English Skills 3			•		1.0	1925V/1936V		
English Skills 4				•	1.0	1945V/1946V		
Tier 2 Math Intervention	•	•	•	•	1.0	9233O/9234O		
Foundations in Algebra	•				1.0	2015V/2016V 2015DV/2016DV	♦	♦
Algebra I	•	•	•	•	1.0	2111V/2112V 2111DV/2112DV	♦	♦
Adapted Algebra I	•	•	•	•	1.0	2169V/2170V 2169DV/2170DV	♦	♦
Geometry	•	•	•	•	1.0	2421V/2422V 2421DV/2421DV	♦	♦
Adapted Geometry	•	•	•	•	1.0	2409V/2410V 2409DV/2410DV	♦	♦

Education Imagine Academy & Wichita Learning Center at Towne East

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester V=original credit DV=duplicate (credit recovery)	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Algebra II	•	•	•	•	1.0	2121V/2122V 2121DV/2122DV	♦	♦
Algebra II Honors	•	•	•	•	1.0	2135V/2136V 2135DV/2135DV	♦	♦
Math Applications				•	1.0	2154V/2155V 2154DV/2155DV		
Adapted Math Applications			•	•	1.0	2403V/2404V 2403DV/2404DV		
Algebra I Skills	•					2901V/2902V		
Geometry Skills		•				2903V/2904V		
Intermediate Algebra Skills			•			2905V/2906V		
Math Applications Skills			•	•		2907V/2908V		
Precalculus/Trigonometry			•	•	1.0	2151V/2152V 2151DV/2152DV	♦	♦
Algebra III			•	•	1.0	2021V/2022V 2021DV/2022DV	♦	♦
AP Biology			•	•	1.0	4248V/4249V	♦	♦
Marine Science	•	•	•	•	1.0	4007V/4008V	♦	
Scientific Research & Design Skills	•				1.0	4915V/4916V		
Physical Science Skills		•			1.0	4939V/4940V		
Human Body Structures & Functions Skills			•		1.0	4941V/4942V		
Biology 1	•	•	•	•	1.0	4251V/4252V 4251DV/4252DV	♦	♦
Adapted Biology	•	•	•	•	1.0	4955V/4956V 4955DV/4956DV	♦	♦
Honors Biology	•	•	•	•	1.0	4253V/4254V 4253DV/4254DV	♦	♦
Earth/Space Science		•	•	•	1.0	4361V/4362V 4361DV/4362DV	♦	♦
Adapted Earth/Space Science			•	•	1.0	4815V/4816V 4815DV/4816DV	♦	♦
Chemistry 1		•	•	•	1.0	4321V/4322V 4321DV/4322DV	♦	♦
Global and Environmental Studies		•	•	•	1.0	4827V/4828V 48270DV/4828DV	♦	♦
Adapted Global and Environmental Studies		•	•	•	1.0	4799V/4800V 4799DV/7800DV	♦	♦

Education Imagine Academy & Wichita Learning Center at Towne East

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester V=original credit DV=duplicate (credit recovery)	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Physical Science		•	•	•	1.0	4365V/4366V 4365DV/4366DV	♦	♦
Anthropology 1	•	•	•	•	1.0	4015V/4016V	♦	
Anthropology 2	•	•	•	•	1.0	4017V/4018V	♦	
Archaeology: Detectives of the Past	•	•	•	•	1.0	4013V/4014V	♦	
World History	•				1.0	3451V/3452V 3451DV/3452DV	♦	♦
Honors World History	•				1.0	3453V/3454V 3453DV/3454DV	♦	♦
Adapted World History	•				1.0	3455V/3456V 3455DV/3456DV	♦	♦
United States History 1		•			1.0	3361V/3362V 3361DV/3362DV	♦	♦
Honors United States History 1		•			1.0	3363V/3364V 3363DV/3364DV	♦	♦
Adapted United States History 1		•			1.0	3365V/3366V 3365DV/3366DV	♦	♦
United States History 2			•	•	1.0	3641V/3642V 3641DV/3642DV	♦	♦
Honors United States History 2			•	•	1.0	3643V/3644V 3643DV/3644DV	♦	♦
Adapted United States History 2			•	•	1.0	3645V/3646V 3645DV/3646DV	♦	♦
AP United States History 2			•	•	1.0	3647V/3648V	♦	♦
AP United States Government				•	0.5	3353V	♦	♦
United States Government				•	0.5	3350V 3350DV	♦	♦
United States Government Extended Course				•	1.0	3351V/3352V 3351DV/3352DV	♦	♦
Honors United States Government				•	0.5	3359V 3359DV	♦	♦
Adapted United States Government				•	0.5	3355V 3355DV	♦	♦
World Geography	•	•	•	•	0.5	3307V/3308V 3307DV/3308DV	♦	♦
Psychology			•	•	1.0	3699V/3700V 3699DV/3700DV	♦	♦
Honors Psychology			•	•	0.5	3705V 3705DV	♦	♦
Economics				•	0.5	3200V 3200DV	♦	♦
Sociology			•	•	0.5	3800V 3800DV	♦	♦

Education Imagine Academy & Wichita Learning Center at Towne East

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester V=original credit DV=duplicate (credit recovery)	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Spanish 1	•				1.0	5433V/5434V	♦	
Spanish 2		•			1.0	5435V/5436V	♦	
Spanish 3		•	•	•	1.0	5437V/5438V	♦	
Physical Education & Health Foundations	•	•	•	•	1.0	8748V/8749V 8748DV/8749DV	♦	♦
Art History 1	•	•	•	•	0.5	8010V 8010DV	♦	♦
Art History 2	•	•	•	•	0.5	8011V 8011DV	♦	♦
Introduction to Art	•	•	•	•	1.0	8201V/8202V 8201DV/8202DV		
Music Appreciation	•					8640V/8641V	♦	
Advertising & Sales Promotion	•	•	•	•	1.0	6823V/6824V	♦	
Biotechnology		•	•	•	1.0	7167V/7168V	♦	
Business Computer Information Systems	•	•	•	•	1.0	6005V/6006V	♦	
Business Essentials	•	•	•	•	1.0	6720V/6737V 6720DV/6737DV		
Business Law			•	•	1.0	6007V/6008V	♦	
Career and Life Planning	•	•	•	•	0.5	7635V 7635DV		
Career Management	•	•	•	•	1.0	6921V/6922V		
Career Planning and Development				•	1.0	6993V/6994V	♦	
Careers in Criminal Justice	•	•	•	•	1.0	3987V/3988V	♦	
Concepts of Engineering & Technology	•	•	•	•	1.0	7169V/7170V	♦	
Computer Essentials	•	•	•	•	1.0	5735V/5736OV 5735DV/5736DV		
Community Based Instructions	•	•	•	•	1.0	6955V/6956V		
Criminology: Inside the Criminal Mind			•	•	1.0	7637V/7638V	♦	
Cybersecurity	•	•	•	•	1.0	6761V/6762V	♦	
Digital Photography 1	•	•	•	•	1.0	5843V/5844V	♦	
Digital Photography 2	•	•	•	•	1.0	5845V/5846V	♦	
Early Childhood Education	•	•	•	•	1.0	7649V/7650V	♦	
Engineering & Design	•	•	•	•	1.0	7281V/7282V	♦	
Engineering and Product Development	•	•	•	•	1.0	7153V/7154V	♦	

Education Imagine Academy & Wichita Learning Center at Towne East

	Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester V=original credit DV=duplicate (credit recovery)	Pre-College Curriculum	NCAA Credit
		9	10	11	12				
	Entrepreneurship (CTE)	•	•	•	•	0.5	6906V 6906DV		
	Fashion & Interior Design	•	•	•	•	1.0	6089V/6090V	♦	
	Financial Literacy			•	•	0.5	7610V 7610TDV	♦	
	Fire and Emergency Services	•	•	•	•	1.0	7917V/7918V	♦	
	Forensic Science			•		1.0	4401V/4402V	♦	
	Fundamentals of Programming and Software Development	•	•	•	•	1.0	5693V/5694V	♦	
	Game Design	•				1.0	5775V/5776V	♦	
	International Business: Global Commerce in the 21st Century			•	•	1.0	6023V/6024V	♦	
	Intro to Careers in Architecture and Construction	•	•	•	•	1.0	6963V/6964V	♦	
	Intro to Careers in Arts, A/V Technology and Communications	•	•	•	•	1.0	7923V/7924V	♦	
	Intro to Careers in Education and Training	•	•	•	•	1.0	6961V/6962V	♦	
	Intro to Careers in Finance	•	•	•	•	1.0	6959V/6960V	♦	
	Intro to Careers in Government and Public Administration	•	•	•	•	1.0	6957V/6958V	♦	
	Intro to Careers in the Health Sciences	•	•	•	•	1.0	7925V/7926V	♦	
	Intro to Careers in Transportation, Distribution and Logistics	•	•	•	•	1.0	6923V/6924V	♦	
	Intro to Coding	•	•			1.0	5847V/5848V	♦	
	Intro to Information Technology	•	•			1.0	5801V/5802V	♦	
	Intro to Information Technology Support & Services	•	•	•		1.0	5819V/5820V	♦	
	Intro to Law, Public Safety, Corrections & Securities	•	•	•	•	1.0	6025V/6026V	♦	
	Intro to Military Careers	•	•	•	•	1.0	6989V/6990V	♦	
	Intro to Network Systems	•	•	•		1.0	5839V/5840V	♦	
	Intro to Renewable Technologies	•	•	•	•	1.0	7165V/7166V		
	Intro to Social Media: Our Connected World	•	•	•	•	1.0	5849V/5850V	♦	
	Introduction to STEM	•	•	•	•	1.0	7163V/7164V	♦	
	Journalism 1	•	•			1.0	1411V/1412V	♦	
	Journalism 2	•	•			1.0	1421V/1422V	♦	

Education Imagine Academy & Wichita Learning Center at Towne East

Course Title	Possible Course Level				Credit	Course Code 1st/2nd semester V=original credit DV=duplicate (credit recovery)	Pre-College Curriculum	NCAA Credit
	9	10	11	12				
Law and Enforcement Field Services	•	•	•	•	1.0	7919V/7920V	♦	
Law & Order: Intro to Legal Studies	•	•	•	•	1.0	7645V/7646V	♦	
Life Management 1—Adapted	•	•	•	•	1.0	6955V/6966V		
National Security			•	•	1.0	7639V/7640V	♦	
Network System Design	•	•	•	•	1.0	5841V/5842V	♦	
Principles of Public Service	•	•	•	•	1.0	3493V/3494V	♦	
Real World Parenting	•	•	•	•	1.0	7647V/7648V	♦	
Small Business Entrepreneurship			•	•	1.0	6019V/6020V	♦	
Software Development Tools	•	•	•	•	1.0	5929V/5930V	♦	
Sports Entertainment Marketing	•	•	•	•	1.0	6821V/6822V	♦	
Strategies for Academic Success	•	•	•	•	0.5	9411V 9411DV		
Technology & Business			•	•	1.0	6021V/6022V	♦	
Web Development in the 21st Century	•	•	•	•	1.0	5927V/5928V	♦	

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American Sign Language 1 1313V/1314V

Two semesters—1.0 Credit

This beginning of this full-year course will introduce you to vocabulary and simple sentences, so that you can start communicating right away. Importantly, you will explore Deaf culture: social beliefs, traditions, history, values and communities influenced by deafness. The second semester will introduce you to more of this language and its

American Sign Language 2 1315V/1316V

Two semesters—1.0 Credit

In this course, students will build on the skills they learned in American Sign Language 1 and explore the long and rich history of Deaf culture and language. They will expand their knowledge of the language as well as their understanding of the world in which it is frequently used. Students will grow their sign vocabulary and improve their ability to interact using facial expressions and body language. They will also learn current trends in technology within ASL as well as potential education and career opportunities.

Creative Writing 1 & 2

1540V/1541V

Two semesters—1.0 Credit

For many hundreds of years, literature has been one of the most important human art forms. It allows us to give voice to our emotions, create imaginary worlds, express ideas, and escape the confines of material reality. Through creative writing, we can come to understand ourselves and our world a little bit better. This course provides students with a solid grounding in the writing process, from finding inspiration to building a basic story to using complicated literary techniques and creating strange hybrid forms of poetic prose and prose poetry. By the end of this course, students will learn how to discover their creative thoughts and turn those ideas into fully realized pieces

Marine Science

4007V/4008V

Two semesters—1.0 Credit

Have you wondered about the secrets of the deep and how the creatures below the ocean's surface live and thrive? Understand more about the aquatic cycles, structures, and processes that generate and sustain life in the sea.

Education Imagine Academy & Wichita Learning Center at Towne East

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Anthropology 1 4015V/4016V

Two semesters—1.0 Credit

The aim of anthropology is to use a broad approach to gain an understanding of our past, present and future, and in addition address the problems humans face in biological, social and cultural life. This course will explore the evolution, similarity and diversity of human-kind through time. It will look at how we have evolved from a biologically and culturally weak species to one that has the ability to cause catastrophic change. Exciting online video journeys to different areas of the anthropological world are just one of the powerful learning tools utilized in this course.

Anthropology 2 4017V/4018V

Two semesters—1.0 Credit

Anthropology has helped us better understand cultures around the world and through different time period. This course continues the study of global cultures and the ways that humans have made sense of their world. We will examine some of the ways that cultures have understood and gave meaning to different stages of life and death. The course will also examine the creation of art within cultures and examine how cultures evolve and change over time. Finally, we will apply the concepts and insights learned from the study of anthropology to several cultures found in the world today.

Archaeology: Detectives of the Past 4013V/4014V

Two semesters—1.0 Credit

George Santayana once said, “Those who cannot remember the past are condemned to repeat it.” The field of archaeology helps us to better understand the events and societies of the past that have helped to shape our modern world. This course focuses on this techniques, methods, and theories that guide the study of the past. Students will learn how archaeological research is conducted and interpreted, as well as how artifacts are located and preserved. Finally, students will learn about the relationship of material items to culture and what we can learn about past societies from these items.

Introduction to Art 8201V/8202V 8201DV/8202DV

Two semesters—1.0 Credit

Fundamentals of Art are basic courses in the fundamentals of artistic expression taught in grades nine -twelve. The courses may include experiences in drawing, painting, two-and three dimensional design, and ceramics and sculpture. The courses emphasize observations, interpretation of the visual arts media. The focus of the course is on application of the elements of art and principles of design. A study of historical and contemporary art and artists from a worldwide perspective, and instruction and practice in the critique process are included.

Music Appreciation

8640V/8641V

Two semesters—1.0 Credit

Music is part of everyday lives and reflects the spirit of our human condition. To know and understand music, we distinguish and identify cultures on local and global levels. This course will provide students with an aesthetic and historical perspective of music, covering a variety of styles and developments from the Middle Ages through the Twentieth First Century. Students will acquire basic knowledge and listening skills, making future music experiences more informed and satisfying

Advertising & Sales Promotion

6823V/6824V

Two semesters—1.0 Credit

What comes to mind when you think of marketing? Does a favorite commercial jingle begin to play in your head? Or do you recall the irritating phone call from a company trying to sell you software you already have? No matter what your feelings are about it, there's no denying the sheer magnitude of the marketing industry. Every year companies spend \$200 billion promoting their products and services—and that's in the United States alone! Experts estimate that by the time you turn 65, you will have seen nearly 2 million TV commercials, not to mention radio ads, billboards, and online advertisements. You're familiar with what it's like on the receiving end of a company's marketing efforts, but what's it like on the other side? In this Advertising and Sales Promotions course, you'll learn how marketing campaigns, ads, and commercials are conceived and brought to life. You'll meet some of the creative men and women who produce those memorable ads and commercials. And you'll discover career opportunities in the field to help you decide if a job in this exciting, fast-paced in-

Biotechnology

7167/7168V

Two semesters—1.0 Credit

High school students continue their introduction to Spanish with fundamental building blocks in four key areas of foreign language study: listening comprehension, speaking, reading, and writing. Each unit consists of an ongoing adventure story, a new vocabulary theme and grammar concept, numerous interactive games reinforcing vocabulary and grammar, reading and listening comprehension activities, speaking and writing activities, cultural presentations covering major Spanish-speaking areas in Europe and the Americas, and assessments.

Business Computer Information Systems

6005V/6006V

Two semesters—1.0 Credit

Business Computer Information Systems is a year-long course that explores the use of technology applications in both business and personal situations. The course provides key knowledge and skills in the following areas: communication, business technology, word processing, spreadsheet, and database applications, telecommunications, desktop publishing, and presentation technology, computer networks, and computer operating systems.

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Business Law 6007V/6008V

Two semesters—1.0 Credit

This semester-long high school course is designed to provide students with the knowledge of some of the vital legal concepts that affect commerce and trade, after first gaining some familiarity with how laws are created and interpreted. Students are then introduced to the types of businesses that can be created as well as the contractual and liability considerations that can impact a business. Laws that affect how a business is regulated are reviewed, particularly the impact of administrative rules and regulations on a business. Global commerce and international agreements, treaties, organizations, and courts are discussed to get a better sense of what it means to “go global” with a

Career Management 6921V/6922V

Two semesters—1.0 Credit

Career Management is a semester-length high school course that assists students in their preparation for career selection. The course is designed to improve workforce skills needed in all careers including communication, leadership, teamwork, decision making, problem solving, goal setting and time management. Students complete activities that help identify personal interests, aptitudes, and learning styles. Students use results of self-assessments to determine careers that may prove personally satisfying.

Career Planning and Development 6993V/6994V

Two semesters—1.0 Credit

Introducing high school students to the working world, this course provides the knowledge and insight necessary to compete in today’s challenging job market. This relevant and timely course helps students investigate careers as they apply to personal interests and abilities, develop the skills and job search documents needed to enter the workforce, explore the rights of workers and traits of effective employees, and address the importance of professionalism and responsibility as careers change and evolve. This one-semester course includes lessons in which students create a self-assessment profile, a cover letter, and a résumé that can be used in their educational or

Careers in Criminal Justice 3987V/3988V

Two semesters—1.0 Credit

The criminal justice system offers a wide range of career opportunities. In this course, students will explore different areas of the criminal justice system, including the trial process, the juvenile justice system, and the correctional system.

Concepts of Engineering & Technology 7169V/7170V

Two semesters—1.0 Credit

Each day, we are surrounded by technology and engineering projects. From our phones to the bridges we drive over, engineering and technology influence many parts of our lives. In Concepts of Engineering and Technology, you will learn more about engineering and technology careers and what skills and knowledge you’ll need to succeed in these fields. You’ll explore innovative and cutting-edge projects that are changing the world we live in and examine the design and prototype development process. Concepts of Engineering and Technology will also help you understand the emerging issues in this exciting career field

Criminology: Inside the Criminal Mind 7637V/7638V

Two semesters—1.0 Credit

In today’s world, crime and deviant behavior rank at or near the top of many people’s concerns. In this course, we will study the field of Criminology – the study of crime. We will look at possible explanations for crime from the standpoint of psychological, biological and sociological perspectives, explore the categories and social consequences of crime, and investigate how the criminal justice system handles not only criminals, but also their misdeeds. Why do some individuals commit crimes why others do not? What aspects in our culture and society promote crime and deviance? Why are different punishments given for the same crime? What factors... from arrest to

Cybersecurity 6761V/6762V

Two semesters—1.0 Credit

We depend more and more on the technologies we interact with every day, and we put more and more of our personal data out there online. Can all of that data really be kept “secret”? We all need to know more about how to protect our personal information, especially given how much we rely on and use our network devices and media. You’ll learn about the various parts of your computer, how they work together, and how you can manipulate them to keep your data safe. You’ll also dive into the tools, technologies, and methods that will help protect you from an attack and discover the many opportunities in the rapidly growing field of cybersecurity.

Digital Photography 1 5843V/5844V

Two semesters—1.0 Credit

Have you ever wondered how photographers take such great pictures? Have you tried to take photographs and wondered why they didn’t seem to capture that moment that you saw with your eyes? The Digital Photography I course focuses on the basics of photography, including building an understanding of aperture, shutter speed, lighting, and composition. Students will be introduced to the history of photography and basic camera functions. Students will use the basic techniques of composition and camera functions to build a portfolio of images, capturing people, landscapes, close-up, and action photographs. Required materials: Manual camera or digital camera with manual settings (the camera needs to allow for the mode, shutter speed, and aperture to be adjusted) A Smartphone may be used for most required tasks, however, appropriate applications will need to be installed to allow the student to make the necessary adjustments to the camera mode, shutter speed, and aperture. Tripod (or necessary item(s) to create a stable foundation Reflector (white paper, poster board, sheets, or a wall) Image editing software Access to a slideshow application, such as PowerPoint.

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Digital Photography 2 5845V/5846V

Two semesters—1.0 Credit

In today's world, photographs are all around us, including in advertisements, on websites, and hung on our walls as art. Many of the images that we see have been created by professional photographers. In this course, we will examine various aspects of professional photography, including the ethics of the profession, and examine some of the areas that professional photographers may choose to specialize in, such as wedding photography and product photography. We will also learn more about some of the most respected professional photographers in history and we will learn how to critique photographs in order to better understand what creates an eye catching photograph. Required materials: Digital camera: "point and shoot" or above. A Smartphone may be used for most required tasks, however, appropriate applications will need to be installed to allow the student to make the necessary adjustments to the camera mode, shutter speed, and aperture. One frame (of your choice) to display a photograph on the wall 3M strip (or something similar) Image editing software capable of the following: cropping changing a photo to black and white adjusting color and brightness resizing images applying filters and special effects like texture or glitter creating layers.

Early Childhood Education 7649V/7650V

Two semesters—1.0 Credit

Want to have an impact on the most important years of human development? Students will learn how to create fun and educational environments for children, how to keep the environment safe for children, and how to encourage the health and well-being of infants, toddlers, and school-aged children.

Engineering & Design 7281V/7282V

Two semesters—1.0 Credit

This semester-long course focuses on building real-world problem solving and critical thinking skills as students learn how to innovate and design new products and improve existing products. Students are introduced to the engineering design process to build new products and to the reverse engineering process, which enables engineers to adjust any existing product. Students identify how engineering and design have a direct impact on the sustainability of our environment and the greening of our economy. Finally, students incorporate the engineering design process, environmental life cycle, and green engineering principles to create a decision matrix to learn how to solve environmental issues.

Engineering and Product Development 7153V/7154V

Two semesters—1.0 Credit

This semester-long course provides an overview of the concepts of product engineering and development. Students analyze the life cycle of a product to prepare a product for distribution and for target markets. The course begins with building an understanding of the product life cycle, from the initial idea to drafting requirements to using 3-D modeling tools and other design tools. The final unit focuses on assembling the pieces within a project plan to achieve a product and evaluating the plans for a successful product launch. In addition, the course provides information about the different careers available to students interested in engineering,

Fashion & interior Design

6089V/6090V

Two semesters—1.0 Credit

Do you have a flair for fashion? Are you constantly redecorating your room? If so, the design industry might just be for you! In this course, you'll explore what it is like to work in the industry by exploring career possibilities and the background that you need to pursue them. Get ready to try your hand at designing as you learn the basics of color and design then test your skills through hands-on projects. In addition, you'll develop the essential communication skills that build success in any business. By the end of the course, you'll be well on your way to developing the portfolio you need to get your stylishly clad foot in the door of this exciting field.

Required Materials: Clothing items Sewing machine Digital camera Thread Fabric Clothing Patterns Measuring tape Edgenuity Course Catalog PAGE 40 Subscription-based Elective Courses Sketchpad Paper Scissors

Fire and Emergency Services

7917V/7918V

Two semesters—1.0 Credit

Emergency and fire-management services are essential infrastructure components of a community. Fire and Emergency Services is a semester-long course that provides students with the basic structure of these organizations as well as the rules and guidelines that govern pre-employment education requirements. The vehicles, equipment, and emergency-mitigations strategies that are commonly used in the emergency- and fire-management field are also explored. Students gain an understanding of the goals of an emergency-management service and how they are implemented and managed, including personnel, budget, and labor-management challenges in the organization. Various preparedness plans are discussed as students explore typical characteristics and frameworks of modern emergency- and fire-management organizations.

Forensic Science

4401V/4402V

Two semesters—1.0 Credit

Fingerprints. Blood spatter. DNA analysis. The world of law enforcement is increasingly making use of the techniques and knowledge from the sciences to better understand the crimes that are committed and to catch those individuals responsible for the crimes. Forensic science applies scientific knowledge to the criminal justice system. This course focuses on some of the techniques and practices used by forensic scientists during a crime scene investigation (CSI). Starting with how clues and data are recorded and preserved, the student will follow evidence trails until the CSI goes to trial, examining how various elements of the crime scene are analyzed and processed.

Fundamentals of Programming and Software Development

5693V/5694V

Two semesters—1.0 Credit

This semester-long course provides students with an understanding of basic software development concepts and practices, issues affecting the software industry, careers within the software industry, and the skills necessary to perform well in these occupations. Students learn details about core concepts in programming using Java, writing and debugging code, proper syntax, flow of control, order of operations, comparison operators, and program logic tools and models. Students learn the function of key program techniques including if statements, looping, and arrays, as well as web development using HTML and drag-and-drop development of user interfaces in an integrated development environment. Students explore the software

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Game Design 5775V/5776V

Two semesters—1.0 Credit

The possibilities are endless when it comes to video game design! Learn about the history of gaming, software and hardware, trouble shooting, and Internet safety. Tap into your creative abilities and learn the necessary technical skills to design your own gaming platforms and create a plan for a 2D game. Turn your hobby into a future career. Explore all things related to video game design. Gain skills to conceptualize, design, and fully create a video game. Explore software and hardware, sharpen your coding skills, learn about storylines, player progression, and algorithmic decision making. Analyze a variety of game play components.

International Business: Global Commerce in the 21st Century 6023V/6024V

Two semesters—1.0 Credit

From geography to culture Global Business is an exciting topic in the business community today. This course is designed to help students develop the appreciation, knowledge, skills, and abilities needed to live and work in a global marketplace. It takes a global view on business, investigating why and how companies go international and are more interconnected.

The course further provides students a conceptual tool by which to understand how economic, social, cultural, political and legal factors influence both domestic and cross-border business. Business structures, global entrepreneurship, business management, marketing, and the challenges of managing international organizations will all be explored in this course. Students will cultivate a mindfulness of how history, geography, language, cultural studies, research skills, and continuing education are important in both business activities and the 21st century.

Intro to Careers in Architecture and Construction 6963V/6964V

Two semesters—1.0 Credit

The goal of this semester-long high school course is to provide students with an overview of careers in architecture and construction in order to assist with informed career decisions. This dynamic, rapidly evolving career cluster is comprised of three pathways (fields): Design and Pre-Construction (Architecture and Engineering); Construction (Construction and Extraction); and Maintenance and Operations (Installation, Maintenance, and Repair). The Architecture and Construction career cluster is defined as careers in building, designing, managing, maintaining, and planning the built environment. The built environment encompasses all zones of human activity—from natural conservation areas with minimal human intervention to highly dense areas with tall skyscrapers and intricate highway systems to suburban cul-de-sacs. The interrelated components that make up the built environment are as varied and unique as the professionals who help

Intro to Careers in Arts, A/V Technology and Communications 7923V/7924V

Two semesters—1.0 Credit

This introductory semester-long high school course provides comprehensive information on five separate areas of arts and communications as potential educational and career pathways, including: audio/video technology and film, performing arts, visual arts, printing technology, journalism and broadcasting, and telecommunication systems. Students who are interested in careers across a broad spectrum of professional positions, including fine artist, telecommunications administrator, magazine editor, broadcast journalist, or computer graphic artist, will gain useful perspective on industry terminology, technology, work environment, job outlook, and guiding principles.

Intro to Careers in Education and Training 6961V/6962V

Two semesters—1.0 Credit

Introduction to Careers in Education and Training is a semester long course that introduces students to the field of education and training, and the opportunities available for early-childhood through adult and continuing education. Students gain an understanding of the career options available in teaching, administrative work, and support services. They also explore the education and background experience needed to succeed in these careers. Students learn about the evolution of the modern educational system in the United States, and the policies and laws that govern educational institutions. They also discover the similarities and differences between the ethical and legal obligations of working

Intro to Careers in Finance 6959V/6960V

Two semesters—1.0 Credit

Introduction to Careers in Finance is a semester-long course that provides the fundamentals of the financial services industry in the United States and explores the jobs and career opportunities that the industry offers. Course units address a broad set of services in the industry including finance overview, financial services, securities analysis, investments, principles of corporate finance, banking services, risk management, and insurance

Intro to Careers in Government and Public Administration 6957V/6958V

Two semesters—1.0 Credit

This semester-long course provides students with an overview of American politics and public administration, including how political institutions and public management systems at the local, state, and federal levels exercise supervisory authority and maintain accountability. Students explore the foundations of the U.S. government, the separation of powers, the federal civil service system, and the relationship between the government and state and local officials. Students learn about politics in the United States and the electoral process, political attitudes and opinions, and American political parties. Students explore the structure of U.S. federal governmental institutions, the nature of bureaucracy, and the functions of the three branches of government. Students also learn about policy making in American government, including discussions of foreign and defense policies.

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Intro to Careers in the Health Sciences 7925V/7926V

Two semesters—1.0 Credit

This semester-long course is an overview of health careers and overriding principles central to all health professions. The course provides a foundation for further study in the field of health science. Upon completion of the course, students are able to discuss the potential career choices and have an understanding of basic concepts that apply to these different choices such as science and technology in human health, disease, privacy, ethics and safety. Essential skill development, such as communication and teamwork, are also addressed.

Intro to Careers in Transportation, Distribution and Logistics 6923V/6924V

Two semesters—1.0 Credit

This semester-long course introduces students to the complicated world of commercial transportation. Students undertake an overview of the fields of transportation, distribution, and logistics, learning the differences between the fields and the primary services provided in each. Students learn how warehousing, inventory, and other associated businesses impact the economy, which includes the advantages and disadvantages of automation on employment. Students learn about the history of transportation including. Students examine the fields that serve to support and manage transportation systems. Lastly, the role of technology and technological development on transportation-related businesses is addressed

Intro to Coding 5847V/5848V

Two semesters—1.0 Credit

Intro to Coding covers a basic introduction to the principles of programming, including algorithms and logic. Students engage in hands-on programming tasks in the Python programming language as they write and test their own code using the approaches real programmers use in the field. Students will program with variables, functions and arguments, and lists and loops, providing a solid foundation for more advanced study as well as practical skills they can use immediately.

Intro to Information Technology 5801V/5802V

Two semesters—1.0 Credit

This course introduces students to the essential technical and professional skills required in the field of Information Technology (IT). Through hands-on projects and written assignments, students gain an understanding of the operation of computers, computer networks, Internet fundamentals, programming, and computer support. Students also learn about the social impact of technological change and the ethical issues related to technology. Throughout the course, instructional activities emphasize safety, professionalism, accountability, and efficiency for workers within the field of IT.

Intro to Information Technology Support & Services 5819V/5820V

Two semesters—1.0 Credit

This semester-long course focuses on real-world application, including common industry best practices and specific vendors that offer tools for technicians, project managers, and IT leadership. Students learn how the IT department of an enterprise supports the overall mission of the company. Students apply their knowledge of hardware and software components associated with IT systems while exploring a variety of careers related to IT support and services. Students analyze technical support needs to perform customer service and configuration management activities. Students also evaluate application software packages and emerging software. Students demonstrate and apply knowledge of IT analysis and design by initiating a system project and evaluating applications

Intro to Law, Public Safety, Corrections & Securities 6025V/6026V

Two semesters—1.0 Credit

In this semester-long course, students learn about the many careers that exist within the fields of law, law enforcement, public safety, corrections, and security. In addition to learning about the training and educational requirements for these careers, students explore the history of these fields and how they developed to their current state. Students also learn how these careers are affected by and affect local, state, and federal laws. Finally, students examine the relationships between professionals in these fields and how collaborations between professionals in these careers help to create a safer, more stable society.

Intro to Military Careers 6989V/6990V

Two semesters—1.0 Credit

You've probably seen an old movie about a hotshot naval aviator, or perhaps a more recent film about the daring actions of Special Forces operatives. But do you really know what careers the military can offer you? Introduction to Military Careers will provide the answers. The military is far more diverse and offers many more career opportunities and tracks than most people imagine. In Introduction to Military Careers, you'll learn not only about the four branches of the military (and the Coast Guard) but also about the types of jobs you might pursue in each branch. From aviation to medicine, law enforcement to dentistry, the military can be an outstanding place to pursue your dreams.

Intro to Network Systems 5839V/5840V

Two semesters—1.0 Credit

This semester-long course introduces students to the fundamental technology and concepts that make networking systems possible. The most important concept introduced is that of the OSI reference model and its bottom four layers, which are most directly concerned with networking instead of computing. The course explores the software and hardware supporting LANs, WANs, and Wi-Fi networks. Students are introduced to the protocols in the TCP/IP stack that are used to communicate across a network, and to networking hardware, including hubs, switches, bridges, routers, and transmission media. Students explore questions of security, network management, and network operating systems.

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Intro to Renewable Technologies 7165V/7166V

Two semesters—1.0 Credit

Interested in transforming energy? With concerns about climate change and growing populations' effects on traditional energy supplies, scientists, governments, and societies are increasingly turning to renewable and innovative energy sources. In the Introduction to Renewable Technologies course, you'll learn all about the cutting-edge field of renewable energy and the exciting new technologies that are making it possible. You'll explore new ways of generating energy and storing that energy, from biofuels to high capacity batteries and smart electrical grids. You'll also learn more about the environmental and social effects of renewable technologies and examine

Intro to Social Media: Our Connected World 5849V/5850V

Two semesters—1.0 Credit

Have a Facebook account? What about Twitter? Whether you've already dipped your toes in the waters of social media or are still standing on the shore wondering what to make of it all, learning how to interact on various social media platforms is crucial in order to survive and thrive in this age of digital communication. In this course, you'll learn the ins and outs of social media platforms such as Facebook, Twitter, Pinterest, Google+, and more. You'll also discover other types of social media you may not have been aware of and how to use them for your benefit—personally, academically, and eventually professionally as well. If you thought social media platforms were just a place to keep track of friends and share personal photos, this course will show you how to use these resources in much more powerful ways.

Introduction to STEM 7163V/7164V

Two semesters—1.0 Credit

This semester-long course introduces students to the four areas of Science, Technology, Engineering, and Mathematics through an interdisciplinary approach that will increase awareness, build knowledge, develop problem solving skills, and potentially awaken an interest in pursuing a career in STEM. Students are introduced to the history, fundamental principles, applications, processes, and concepts of STEM. Students are exposed to several computer applications used to analyze and present technical or scientific information. Finally, students explore the kinds of strategies frequently used to solve problems in these disciplines. Throughout the course, students discover their strengths through practical applications and awareness of the various STEM careers.

Journalism 1 1411V/1412V

Two semesters—1.0 Credit

If you're the first to know what's going on in your school or town, or the first to post on Facebook or Instagram about your favorite TV shows or favorite celebrities, then you're just the person that every online, in-print, and broadcast news outlet is looking for. And Journalism: Investigating the Truth is the perfect course for you! In this course, you'll learn how to write a lead that grabs your readers, how to write engaging news stories and features, and how to interview sources. You'll also learn about the history of journalism, how to succeed in the world of social media news, and how to turn your writing, photography, and people skills into an exciting and rewarding career.

Journalism 2

1421V/1422V

Two semesters—1.0 Credit

If you're the first to know what's going on in your school or town, or the first to post on Facebook or Instagram about your favorite TV shows or favorite celebrities, then you're just the person that every online, in-print, and broadcast news outlet is looking for. And Journalism: Investigating the Truth is the perfect course for you! In this course, you'll learn how to write a lead that grabs your readers, how to write engaging news stories and features, and how to interview sources. You'll also learn about the history of journalism, how to succeed in the world of social media news, and how to turn your writing, photography, and people skills into an exciting and rewarding career.

Law and Enforcement Field Services

7919V/7920V

Two semesters—1.0 Credit

This semester-long course introduces students to the field of law enforcement and the local, county, state, and federal laws that law enforcement personnel are sworn to uphold. The students also gain an understanding of the career options available in this field and the skills, education, and background experience needed to succeed. Students learn about the evolution of the role of law enforcement in the United States including key changes affecting law enforcement. Students learn about the interaction between local, county, state, and federal law enforcement agencies. Finally, students learn about the types of crime that are commonly committed and the procedures, evidence collection techniques, and technological advances that law enforcement personnel use

Law & Order: Intro to Legal Studies

7645V/7646V

Two semesters—1.0 Credit

Every society has laws that its citizens must follow. From traffic laws to regulations on how the government operates, laws help provide society with order and structure. Our lives are guided and regulated by our society's legal expectations. Consumer laws help protect us from faulty goods; criminal laws help to protect society from individuals who harm others; and family law handles the arrangements and issues that arise in areas like divorce and child custody. This course focuses on the creation and application of laws in various areas of society. By understanding the workings of our court system, as well as how laws are actually carried out, we become more informed and responsible citizens in our commu-

National Security

7639V/7640V

Two semesters—1.0 Credit

In this course, you will learn the critical elements of this very important career, such as evaluating satellite information, analyzing training procedures, assessing military engagement, and preparing intelligence reports. In addition, you will gain a better understanding of appropriate responses to security threats and how best to coordinate information with other agencies.

Education Imagine Academy & Wichita Learning Center at Towne East

Course Descriptions: Most courses in this section are listed due to their unique course code number. Courses previously listed in the Program of Study will not have descriptions in this section. Courses not previously listed will have a description in this section.

Network System Design 5841V/5842V

Two semesters—1.0 Credit

This semester-long course provides students with an understanding of basic software development concepts and practices, issues affecting the software industry, careers within the software industry, and the skills necessary to perform well in these occupations. Students learn details about core concepts in programming using Java, writing and debugging code, proper syntax, flow of control, order of operations, comparison operators, and program logic tools and models. Students learn the function of key program techniques including if statements, looping, and arrays, as well as web development using HTML and drag-and-drop development of user interfaces in an integrated development environment. Students explore the software development life cycle and different variations used to create software.

Principles of Public Service 3493V/3494V

Two semesters—1.0 Credit

Have you ever wondered who decides where to put roads? Or makes sure that someone answers the phone when you call 911? Or determines that a new drug is safe for the public? These tasks and many more are part of public service, a field that focuses on building healthy societies. Public service includes many different types of careers, but they all have in common the goal of working for others. This course will explore some of the most common career paths in public service. Working for the public also comes with a very specific set of expectations since protecting society is such an important mission. So if you want to work for the greater good, there is probably a public service career for you!

Real World Parenting 7647V/7648V

Two semesters—1.0 Credit

What is the best way to care for children and teach them self-confidence and a sense of responsibility? Parenting involves more than having a child and providing food and shelter. Learn what to prepare for, what to expect, and what vital steps parents can take to create the best environment for their children. Parenting roles and responsibilities, nurturing and protective environments for children, positive parenting strategies, and effective communication in parent/child relationships are some of the topics covered in this course

Small Business Entrepreneurship 6019V/6020V

Two semesters—1.0 Credit

This semester-long course is designed to provide the skills needed to effectively organize, develop, create, manage and own a business, while exposing students to the challenges, problems, and issues faced by entrepreneurs. Throughout this course, students explore what kinds of opportunities exist for small business entrepreneurs and become aware of the necessary skills for running a business. Students become familiar with the traits and characteristics that are found in successful entrepreneurs, and see how research, planning, operations, and regulations can affect small businesses. Students also learn how to develop plans for having effective business management,

Software Development Tools

5929V/5930V

Two semesters—1.0 Credit

.This semester-long course introduces students to the variety of careers related to programming and software development. Students gather and analyze customer software needs and requirements, learn core principles of programming, develop software specifications, and use appropriate reference tools to evaluate new and emerging software. Students apply IT-based strategies and develop a project plan to solve specific problems and define and analyze system and software requirements.

Sports Entertainment Marketing

6821V/6822V

Two semesters—1.0 Credit

.Have you ever wished to play sports professionally? Have you dreamed of one day becoming an agent for a celebrity entertainer? If you answered yes to either question, then believe it or not, you've been fantasizing about entering the exciting world of sports and entertainment marketing. Although this particular form of marketing bears some resemblance to traditional marketing, there are many differences as well—including a lot more glitz and glamour! In this course, you'll have the opportunity to explore basic marketing principles and delve deeper into the multi-billion dollar sports and entertainment marketing industry. You'll learn about how professional athletes, sports teams, and well known entertainers are marketed as commodities and how some of them become billionaires as a result. If you've ever wondered about how things work behind the scenes of a major sporting event such as the Super Bowl or even entertained the idea of playing a role in such an event, then this course will introduce you to the fundamentals of such a career.

Strategies for Academic Success

9411V/9411DV

One semester—0.5 Credit

This course offers a comprehensive analysis of different types of motivation, study habits, and learning styles. Students will explore varying strategies for success that will help them identify what works best for them individually. Throughout the course, students will compare different types of motivation and explain how motivation affects academics. They will work to understand the concept of academic integrity, identify different types of organizers and describe the purposes of each, describe different strategies for remembering information, list and explain each of the five steps of test preparation, and explain the importance of following a rubric. Students will also describe the benefits of creating study groups and distinguish the characteristics of quality study groups.

Technology & Business

6021V/6022V

Two semesters—1.0 Credit

This year-long course teaches students technical skills, effective communication skills, and productive work habits needed to make a successful transition into the workplace or postsecondary education. In this course, students gain an understanding of emerging technologies, operating systems, and computer networks. In addition, they create a variety of business documents, including complex word-processing documents, spreadsheets with charts and graphs, database files, and electronic presentations.

Education Imagine Academy & Wichita Learning Center at Towne East

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Web Development in the 21st Century

5927V/5928V

Two semesters—1.0 Credit

New Applications is a survey course that travels from the first software programs developed to facilitate communication on the Internet, to the new generation of mobile and native apps that access the Internet without a reliance on a web browser. New Applications is also a practical course in how to develop a presence on the World Wide Web using WordPress and other available web application tools. The goal of the course is to provide the learner insight into the rapidly evolving universe of programming and application development to support informed career decisions in an industry that is changing as quickly as it is growing

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