

DERBY

HIGH SCHOOL



COURSE GUIDE

2025-2026



This is the Course Guide. [Academic Guide access here.](#) [CTE Pathways Guide access here.](#)

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Course Fee List

Once the course is added to the student's schedule, the fee will be added to their student fee account. Course fees need to be paid within 2 weeks of starting the course. Payments can be made at the DHS Finance Office or online with eFunds. For any questions about student fees, please contact DHS Finance at 788-8500 opt 2. **Additional information regarding fees and/or the need to purchase other class supplies/materials may be found in the course descriptions.**

Fees are subject to change as approved by the USD 260 Board of Education.

<u>ART AND PHOTOGRAPHY</u>	
ART APPRECIATION	\$20.00
CLAY FUNDAMENTALS	\$20.00
CLAY ADVANCED SCULPTURE	\$25.00
CLAY ADVANCED WHEEL	\$25.00+
DRAWING AND PAINTING FUNDAMENTALS	\$25.00
ADVANCED DRAWING	\$25.00
ADVANCED PAINTING	\$25.00
STUDIO ART AP - 2 DIMENSIONAL	\$25.00
STUDIO ART AP - 3 DIMENSIONAL	\$25.00+
AIRBRUSH, INTRODUCTION	\$32.00
AIRBRUSH, ADVANCED 1-7	\$32.00
DIGITAL PHOTO IMAGING--ARTISTIC	\$20.00
CLASSIC PHOTOGRAPHY	\$25.00+
ADVANCED PHOTO	\$20.00
<u>COLLEGE AND CAREER</u>	
ACT TEST PREPARATION	\$25.00
<u>COMMUNICATION AND MEDIA DESIGN</u>	
GRAPHIC DESIGN 2	\$35.00+
DIGITAL PHOTO IMAGING--JOURNALISM	\$20.00
MEDIA DESIGN AND PRODUCTION (Newspaper)	\$20.00
ADVANCED MEDIA DESIGN AND PRODUCTION (Yearbook)	\$20.00

<u>FAMILY AND CONSUMER SCIENCES</u>	
CULINARY 1	\$20.00
CULINARY 2	\$40.00
BAKING AND PASTRY 1	\$20.00
<u>HEALTH SCIENCE</u>	
SPORTS MEDICINE 2	\$30.00
HEALTH CARE WORK EXPERIENCE 1 & 2	\$19.00
<u>INDUSTRIAL TECHNOLOGY</u>	
INTRODUCTION TO SKILLED TRADES	\$15.00
HAND AND POWER TOOLS	\$20.00
PRODUCTION METHODS 1	\$25.00
PRODUCTION METHODS 2	\$25.00
<u>PERFORMING ARTS</u>	
VARSITY BAND	\$8.00
BEL CANTO	\$8.00
CHORALAIRES	\$8.00
MEN'S CHORUS	\$8.00
PHILHARMONIC CHOIR	\$8.00
<u>PHYSICAL EDUCATION</u>	
LIFETIME FITNESS	\$9.00
<u>SOCIAL STUDIES</u>	
LAW ENFORCEMENT 2	\$27.00

Need an Elective?

Courses Without Prerequisites for grades 10 - 12

ROTC 1	Apparel and Textile Production 1
Clay Fundamentals	Human Growth and Development
Drawing and Painting Fundamentals	Family Studies
Airbrush, Introduction	Culinary 1
Digital Photography - Artistic	Introduction to Healthcare
Classic Photography	Sports Medicine 1
Business Essentials	Introduction to Skilled Trades
Sports/ Entertainment Marketing	Introduction to Engineering Design
Business Communications	Production Print Reading
Business Economics	Creative Writing
Business Law	Bible as Literature
Entrepreneurship	Mythology (grades 11-12 only)
Banking and Finance	Choralaires
Accounting 1	Men's Chorus
Principles of Marketing	Acting 1
Computer Programming 1	PE 1
Web Design	Strength and Conditioning
ACT Test Preparation	Weight Training
Speech	Lifetime Fitness
Audio/ Video Production 1	Global Geography
Graphic Design 1	Ancient World History
3D Animation	Sociology
Journalism and Media Communications	Psychology (grades 11-12 only)
Digital Photography - Journalism	Intro to Law, Public Safety, Corrections & Security
Fashion Trends	German 1
Essentials in Fashion, Apparel, and Interior Design	Spanish 1
Interior Design 1	

Courses that count as Social Studies Elective

Global Geography
Ancient World History
Sociology
Business Economics

Psychology
College Psychology
Intro to Law, Public Safety, Corrections & Security
AFJROTC 1

Courses that count as a Fine Arts

(* designates a course with a fee)

*Art Appreciation
*Clay, Fundamentals
*Clay, Advanced Sculpture
*Clay, Advanced Wheel
*Drawing and Painting Fundamentals
*Advanced Drawing
*Advanced Painting
*Studio Art, AP 2 Dimensional
*Studio Art, AP 3 Dimensional
*Airbrush, Introduction
*Airbrush, Advanced 2-7
AP Music Theory
*Band, Concert
*Band, Varsity
Jazz Ensemble 1 & 2
Philharmonic Orchestra
Symphony Orchestra

*Chorales
*Men's Chorus
*Bel Canto
Madrigals
*Philharmonic Choir
Acting 1
Acting 2
Acting 3
Repertory Theatre
Theatre Technology
Forensic Speech - Individual Event 1-4
*Digital Photo and Photo Imaging - Artistic
*Digital Photo and Photo Imaging-Journalism
*Classic Photography
*Advanced Photography
Graphic Design 1
*Graphic Design 2

Courses that count as a Communications Credit

Speech
College Speech
Debate 1-4

Forensic Speech - Individual Event 1-4
Journalism and Media Communications
Public Speaking

Courses that count as a STEM Elective

Higher Level Math
Certain CTE level courses

Higher Level Science

Courses that count as IPS choices

Any course of weight that supports your Individual Plan of Study and future plans

Reminder: Courses CANNOT double count

(i.e. using Forensics as both a Fine Arts and a Communications requirement)

AEROSPACE SCIENCE

Course Offerings by Grade Level

Course	Credit	9	10	11	12	Prerequisite
Air Force Junior ROTC 1 (AS-1)	1.0	✓	✓	✓	✓	None
Air Force Junior ROTC 2 (AS-2)	1.0		✓	✓	✓	AS-1
Air Force Junior ROTC 3 (AS-3)	1.0			✓	✓	AS-2
Air Force Junior ROTC 4 (AS-4)	1.0				✓	AS-3

Air Force Junior ROTC is a citizenship program for high school students in the ninth through twelfth grades. AFJROTC encourages its students to get involved in their local communities to produce well-informed and helpful citizens. Each year, Aerospace Science course work relates to a different theme. Examples are A Journey into Aviation History, The Science of Flight, and Global Awareness. A Leadership phase is also included in each case course with emphasis on the development of individual leadership potential, character building, and a sense of personal honor and responsibility. Our Wellness Program is designed to work with cadets to help them enhance their physical fitness and nutritional awareness. All physical activity sessions will be supervised and monitored by at least one of our instructors. These sessions include walking, running, and calisthenic exercises. To enhance classroom learning, students have the opportunity to participate in extracurricular and social activities such as summer leadership schools, field trips, drill teams, honor guards, model rocketry, and dining-outs. A complete Air Force uniform is furnished to each student cadet. It is a course requirement that the uniform be worn once a week. Note: **Participation in this program does NOT obligate students in any way to any type of future military service.**

AIR FORCE JUNIOR ROTC 1 (AS-1)

No. AER500/501

Length: 1 Year

Credits: 1

Grade: 9-10-11-12

Fee: No

NCAA: No

R: No

Prerequisite: None

Course Emphasis: Special attention to social science areas: development of good study habits, group psychology, history, career planning, economic & sociological implications of aerospace development. Leadership phase includes Air Force traditions, drill movements, commands, and basic principles of leadership. Our Wellness Program is included to enhance individual physical fitness and nutritional awareness. **Scheduled uniform wear is required one day per week. Students must also meet uniform, haircut, and grooming standards.**

***JROTC 1 (first semester only) will count as ½ Social Studies elective credit for DHS graduation requirements; however, it is not a KBOR approved social studies elective class.

AIR FORCE JUNIOR ROTC 2 (AS-2)

No. AER600/601

Length: 1 Year

Credit: 1

Grade: 10-11-12

Fee: No

NCAA: No

R: No

Prerequisite: AS-1

Course Emphasis: Focuses on the science of flight, how airplanes fly, how weather conditions affect flight, flight and the human body. This course also is designed to complement materials taught in math, physics, and other science related courses. The leadership phase provides an introduction to the fundamentals of communication, self-knowledge, and leadership, including such topics as the basic communication process; speaking, writing, listening, and critical thinking skills, interpreting events and experiences and building a positive attitude; integrity and character; personality preferences, team building and group dynamics along with resolving conflicts. The importance of community service is always encouraged. Drill and ceremony instruction is also included in the leadership phase. Our Wellness Program is included to enhance individual physical fitness and nutritional awareness. **Scheduled uniform wear is required one day per week. Students must also meet uniform, haircut, and grooming standards.**

AIR FORCE JUNIOR ROTC 3 (AS-3)**No. AER700/701**

Length: 1 Year

Credit: 1

Grade: 11-12

Fee: No

NCAA: No

R: No

Prerequisite: AS-2

Course Emphasis: Global and Cultural Studies are a multidisciplinary course 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. Geopolitical issues, religion, environmental concerns, human rights, disease, literacy, the migration of peoples and other cultural issues will be examined. Leadership phase includes Drill and Ceremonies, Life Skills, and Career Opportunities. This phase will be helpful to students in deciding which career path to take after high school, information on how to apply for admission to college, vocational or technical school is also included. Our Wellness Program is included to enhance individual physical fitness and nutritional awareness. Scheduled Uniform wear is Focuses on the science of flight, how airplanes fly, how weather conditions affect flight, flight and the human body. This course also is designed to complement materials taught in math, physics, and other science related courses. The leadership phase provides an introduction to the fundamentals of communication, self-knowledge, and leadership, including such topics as the basic communication process; speaking, writing, listening, and critical thinking skills, interpreting events and experiences and building a positive attitude; integrity and character; personality preferences, team building and group dynamics along with resolving conflicts. The importance of community service is always encouraged. Drill and ceremony instruction is also included in the leadership phase. Our Wellness Program is included to enhance individual physical fitness and nutritional awareness.

Scheduled uniform wear is required one day per week. Students must also meet uniform, haircut, and grooming standards.

AIR FORCE JUNIOR ROTC 4 (AS-4)**No. AER800/801**

Length: 1 Year

Credit: 1

Grade: 12

Fee: No

NCAA: No

R: No

Prerequisite: AS-3

Course Emphasis: The Management of the Cadet Corps. The leadership/management of the entire corps. The hands-on experience provides the cadets the opportunity to apply the theories of previous leadership courses to lead/manage the corps daily operations. All planning, organizing, coordinating, directing, controlling, and decision-making will be done by the cadets. The instructors will provide necessary feedback and guidance. The cadets will study and discuss the topics of the defense of the United States, the social and economic effect of aerospace programs on daily life, ideologies that characterize the free and communist worlds, applications of aerospace forces as an instrument of national policy. Leadership phase includes assignment to a senior cadet officer command position, command experience, some principles of management, written/oral communications, ethics and self-respect, personal standards and leadership styles. Our Wellness Program is included to enhance individual physical fitness and nutritional awareness. **Scheduled uniform wear is required one day per week. Students must also meet uniform, haircut, and grooming standards.**

ART AND PHOTOGRAPHY

Course Offerings by Grade Level						
Course	Credit	9	10	11	12	Prerequisite
Art Appreciation	0.5		✓	✓	✓	2.7 GPA for College Credit recommended
Clay Fundamentals	0.5	✓	✓	✓	✓	None
Clay, Advanced Sculpture	0.5	✓	✓	✓	✓	Clay Fundamentals
Clay, Advanced Wheel	0.5	✓	✓	✓	✓	Clay Fundamentals
Drawing and Painting Fundamentals	0.5	✓	✓	✓	✓	None
Advanced Drawing	0.5	✓	✓	✓	✓	Drawing and Painting Fundamentals
Advanced Painting	0.5	✓	✓	✓	✓	Drawing and Painting Fundamentals
Studio Art, AP 2 Dimensional	1.0			✓	✓	2 Semesters of Advanced Drawing and Painting and Instructor Approval
Studio Art, AP 3 Dimensional	1.0			✓	✓	Clay Advanced Sculpture or Clay Advanced Wheel
Airbrush, Intro	0.5	✓	✓	✓	✓	None
Advanced Airbrush 1-7	0.5	✓	✓	✓	✓	Previous Airbrush class
Digital Photography and Photo Imaging - Artistic	0.5	✓	✓	✓	✓	None
Classic Photography	0.5		✓	✓	✓	None
Advanced Photography	0.5		✓	✓	✓	Digital Photography and Photo Imaging - Artistic

Through the use of airbrushing, potter's wheel, painting, drawing and other art media, students will have the opportunity to use a variety of technical and applied skills. It is the purpose of the Art Department to provide opportunities for the individual student to creatively express ideas and feelings through the use of these art medias. There will be a materials cost involved, in most cases, depending on the type of projects students work on.

ART APPRECIATION

No. ART500

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: \$20 NCAA: No R: No
Prerequisite: 2.7 G.P.A. for college credit recommended College credit available through WSU Tech

Course Emphasis: This course is intended to develop the student's personal appreciation for visual art. This course will expose students to historically significant works of art and examine the evolution of visual art types. By combining the study of the elements of design with other artistic concepts, the student will be able to improve on their ability to judge and appreciate different art. Course of study will be supplemented by a class text, visual representations, and materials to experiment and create fundamental design projects.

CLAY FUNDAMENTALS

No. ART510

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: \$20 NCAA: No R: No
Prerequisite: None

Course Emphasis: Students will learn the basic hand building techniques. Emphasis will be on the process of making ceramic forms and on the underlying principles with completion of specific works. Various design techniques and surface finishes will be explored as well. Projects range from decorative tiles to pinch pots, a mask, coil pots and a slab form.

CLAY, ADVANCED SCULPTURE

No. ART512/513

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: \$25 NCAA: No R: Yes
Prerequisite: Clay Fundamentals

Course Emphasis: This advanced course is for students interested in techniques outside of functional and thrown work. Study will focus on the sculptural and formalistic considerations of clay as well as other mixed media. Through creative exploration and an examination of sculptural principles and techniques students will develop their expressive abilities in a range of artistic mediums including clay, metal, paper, plaster and glass.

CLAY, ADVANCED WHEEL**No. ART514/515**Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: **\$25/bag** NCAA: No R: YesPrerequisite: Clay Fundamentals

Course Emphasis: This advanced clay course emphasizes mastery of throwing techniques for functional and decorative ware with exploration of personal design development. Students will examine the history of clay, as well as modern developments in kilns, glazes, and creative construction. Individual expression is encouraged through critiques and various exercises in class. Students will be responsible for purchasing their choice of clay and project materials as needed based on market cost. The amount of clay an advanced student uses will depend on the size and number of projects completed, as well as effort in recycling materials. Students typically buy 2 bags per semester.

DRAWING AND PAINTING, FUNDAMENTALS**No. ART521**Length: 1 Semester Credit: ½ Grades: 9-10-11-12 Fee: **\$25** NCAA: No R: NoPrerequisite: None

Course Emphasis: Students will learn basic drawing and painting skills. Technique, composition, and observation will be focus studies in this course through basic elements and principles of design. Students should also expect exploration in the history, culture, and critical evaluation of art. **It is strongly recommended that you bring in your own brushes when the time comes to paint. However, anything that you bring in is your responsibility.**

ADVANCED DRAWING**No. ART522**Length: 1 Semester Credit: ½ Grades: 9-10-11-12 Fee: **\$25** NCAA: No R: NoPrerequisite: Drawing and Painting Fundamentals

Course Emphasis: Students will expand on drawing skills and techniques learned in Drawing/Painting Fundamentals through in-depth exploration of pencil, charcoal, pastels, etc. Studies will focus on higher development of value, material technique, composition, and observation.

ADVANCED PAINTING**No. ART523**Length: 1 Semester Credit: ½ Grades: 9-10-11-12 Fee: **\$25** NCAA: No R: NoPrerequisite: Drawing and Painting Fundamentals

Course Emphasis: Students will expand on painting skills and techniques learned in Drawing/Painting Fundamentals through exploration of watercolor, acrylic, and oil paints. Studies will focus on color theory, material techniques, composition, and observation. **It is strongly recommended that you bring in your own brushes when the time comes to paint. However, anything that you bring in is your responsibility.**

STUDIO ART, ADVANCED PLACEMENT 2-DIMENSIONAL**No. ART790/791**Length: 1 Year Credit: 1 Grades: 11-12 Fee: **\$25** NCAA: No R: NoPrerequisite: Two Semesters of Advanced Drawing or Advanced Painting and Instructor's Approval

Course Emphasis: This year-long course focuses on the portfolio development for Advanced Placement. Students must have a strong base knowledge in both drawing and painting mediums, understand the basic ideas of composition, and apply various material techniques. Students should be prepared for showcasing skills in many mediums and subject genres, as well as in an intensive study concentration of their choice. A professional-looking portfolio will be created for the College Board by May. **It is strongly recommended that you bring your own art materials in addition to what the school provides. However, anything that you bring in is your responsibility.**

STUDIO ART, ADVANCED PLACEMENT 3-DIMENSIONAL**No. ART792/793**Length: 1 Year Credit: 1 Grades: 11-12 Fee: **\$25/bag** NCAA: No R: NoPrerequisite: Clay, Advanced Sculpture or Clay, Advanced Wheel

Course Emphasis: This course is a one year course focused on portfolio development in preparation for Advanced Placement credit. Students must have a firm grasp of basic clay techniques and be prepared to make an intensive study in a concentration of their choice. Fall semester will focus on development of the breadth section and techniques for presentation of final work. In the spring semester students will develop their own plans of study that will culminate in a presentation of their portfolio to the College board in May. *Intended for repeat level of Advanced Clay students. The amount of clay an advanced student will use depends upon the size and number of their projects and effort in recycling their materials. Students typically buy 2 bags per semester.

AIRBRUSH, INTRODUCTION**No. IND530**

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: \$32 NCAA: No R: No

Prerequisite: None-Drawing is helpful

Course Emphasis: This course is for the students wishing to explore the art of airbrushing. The ability to draw is not mandatory, patience is helpful. Covered in this class will be a brief history and structure of the airbrush, comparing types and uses for different models, and proper cleaning and managing of airbrush equipment. Proper triggering and holding of the airbrush, control exercises and various technique projects will be addressed in this course. **There may be additional costs if the amount of materials exceeds the original fee.**

AIRBRUSH, ADVANCED 1**No. IND532/533**

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: \$32 NCAA: No R: No

Prerequisite: Introduction to Airbrush

Course Emphasis: This course is an extension of Airbrush, Introduction. Covered in this class will be a bridge of techniques between the Introduction and Advanced courses. Students will have both required technique projects and student initiated subject matters in this course. **There may be additional costs if the amount of materials exceeds the original fee.**

AIRBRUSH, ADVANCED 2**No. IND630/631**

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: \$32 NCAA: No R: No

Prerequisite: Adv. Airbrush 1

Course Emphasis: This course deals with refining advanced technique skills that have been implemented in Advanced Airbrush 1. Students will have both required technique projects and student initiated subject matters in this course. **There may be additional costs if the amount of materials exceeds the original fee.**

AIRBRUSH, ADVANCED 3**No. IND632/633**

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: \$32 NCAA: No R: No

Prerequisite: Adv. Airbrush 2

Course Emphasis: This course deals with refining advanced technique skills that have been implemented in Advanced Airbrush 2 and building a student portfolio. Students will have both required technique projects and student initiated subject matters in this course. **There may be additional costs if the amount of materials exceeds the original fee.**

AIRBRUSH, ADVANCED 4**No. IND730/731**

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: \$32 NCAA: No R: No

Prerequisite: Adv. Airbrush 3

Course Emphasis: This course deals with refining advanced technique skills that have been implemented in Advanced Airbrush 3 and building a student portfolio. Students will have both required technique projects and student initiated subject matters in this course. Students will learn how to prepare and submit their airbrush work for art competition. **There may be additional costs if the amount of materials exceeds the original fee.**

AIRBRUSH, ADVANCED 5**No. IND732/733**

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: \$32 NCAA: No R: No

Prerequisite: Adv. Airbrush 4

Course Emphasis: This course deals with refining advanced technique skills that have been implemented in Advanced Airbrush 4 and building a student portfolio. Students will have both required technique projects and student initiated subject matters in this course. Students will learn how to prepare and submit their airbrush work for art competition. **There may be additional costs if the amount of materials exceeds the original fee.**

AIRBRUSH, ADVANCED 6**No. IND830/831**

Length: 1 Semester Credit: ½ Grade: 12 Fee: \$32 NCAA: No R: No

Prerequisite: Adv. Airbrush 5

Course Emphasis: This course deals with refining advanced technique skills that have been implemented in Advanced Airbrush 5 and building a student portfolio. Students will have both required technique projects and student initiated subject matters in this course. Students will learn how to prepare and submit their airbrush work for art competition. Students will prepare a Senior Airbrush Show of their portfolio for viewing at the end of the school year. **There may be additional costs if the amount of materials exceeds the original fee.**

AIRBRUSH, ADVANCED 7**No. IND832/833**

Length: 1 Semester Credit: ½ Grade: 12 Fee: \$32 NCAA: No R: No
Prerequisite: Adv. Airbrush 6

Course Emphasis: This course deals with refining advanced technique skills that have been implemented in Advanced Airbrush 6 and building a student portfolio. Students will have both required technique projects and student initiated subject matters in this course. Students will learn how to prepare and submit their airbrush work for art competition. Students will prepare a Senior Airbrush Show of their portfolio for viewing at the end of the school year. The Student Portfolio will be refined and submitted to at least one higher institution for evaluation. **There may be additional costs if the amount of materials exceeds the original fee.**

DIGITAL PHOTOGRAPHY AND PHOTO IMAGING - Artistic**No. AAV501**

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: \$20 NCAA: No R: No
Prerequisite: None

Course Emphasis: Photographic Imaging teaches the technical skills that are needed to produce quality images for use in a variety of applications. Instruction will include use of equipment such as 35mm and bridge type cameras, basics of Adobe photoshop, Epson printers, and various display media for presentation. Emphasis will be on the elements and principles of design in photography as they pertain to fine arts standards.

CLASSIC PHOTOGRAPHY**No. COM600**

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: \$25 NCAA: No R: No
Prerequisite: None

Course Emphasis: The operation of both manual and automatic film 35mm cameras shall be explored. Principles of photographic composition shall be introduced. The students will learn Darkroom procedures such as developing film and making a photographic print using an enlarger. Matting and presentation techniques will also be utilized to enhance student work. **There may be additional project fees.**

ADVANCED PHOTOGRAPHY**No. COM602**

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: \$20 NCAA: No R: No
Prerequisite: Digital Photography and Photo Imaging - Artistic

Course Emphasis: The student will build on prior learning experiences in the artistic Digital Photography class. New photographic themes and production ideas will be introduced to help the student build a personal portfolio of advanced work. Also, exploration of the Darkroom and analog projects will be introduced. The emphasis will be on thematic photos, specific problem-solving concepts, and introduction to new techniques using photographic technologies.

BUSINESS AND COMPUTER SCIENCE

Course Offerings by Grade Level						
Course	Credit	9	10	11	12	Prerequisite
Business Essentials	0.5	✓	✓	✓	✓	None
Sports/Entertainment Marketing	0.5	✓	✓	✓	✓	None
Business Communications	0.5		✓	✓	✓	None
Business Economics	0.5		✓	✓	✓	None
Business Law	0.5		✓	✓	✓	None
Entrepreneurship	0.5		✓	✓	✓	None; 2.7 GPA for college credit recommended
Banking and Finance	0.5		✓	✓	✓	None
Investing	0.5			✓	✓	Recommended to take Banking and Finance first
Accounting 1	1.0	✓	✓	✓	✓	None; 2.7 GPA for college credit recommended
H-Advanced Accounting 2	1.0		✓	✓	✓	Accounting 1; 2.7 GPA for college credit recommended
H-Accounting 3	1.0			✓	✓	H-Advanced Accounting 2; 2.7 GPA for college credit recommended
Principles of Marketing	1.0		✓	✓	✓	None
Advanced Marketing Workplace Experience	1.0			✓	✓	Accounting 1, Banking and Finance, and Instructor Approval
Workplace Experience in Finance	1.0			✓	✓	Accounting 1, Banking and Finance and Instructor Approval
Computer Programming 1	0.5	✓	✓	✓	✓	None
Computer Programming 2	0.5	✓	✓	✓	✓	Computer Programming 1 or Instructor Approval
Web Design	1.0	✓	✓	✓	✓	None
AP Computer Science Principles	1.0		✓	✓	✓	Computer Programming 2 or Instructor Approval

BUSINESS ESSENTIALS

No. BUS524

Length: 1 Semester

Credit: ½

Grade: 9-10-11-12

Fee: No

NCAA: No

R: No

Prerequisite: None

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

SPORTS AND ENTERTAINMENT MARKETING

No. BUS614

Length: 1 Semester

Credit: ½

Grade: 9-10-11-12

Fee: No

NCAA: No

R: No

Prerequisite: None

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

BUSINESS COMMUNICATIONS

No. BUS719

Length: 1 Semester

Credit: ½

Grade: 10-11-12

Fee: No

NCAA: No

R: No

Prerequisite: None

Course Emphasis: Business Communications helps students to develop an understanding and appreciation for effective communication in business situations and environments. Emphasis is placed on all phases of communication: speaking, listening, thinking, responding, reading, writing, communicating nonverbally, and utilizing technology for communication. Business Communication functions, processes, and applications in the context of business may be practiced through problem-based projects and real world application.

BUSINESS ECONOMICS**No. BUS720**

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: No R: No

Prerequisite: None

Course Emphasis: This course examines the workings of economic systems including components of consumers, businesses, and government. Employment, money and banking, inflation, taxes, supply and demand, competition, growth, and international trade will be explored.

BUSINESS LAW**No. BUS712**

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: No R: No

Prerequisite: None

Course Emphasis: Business Law will present a history and philosophy of law and the legal system in the United States, with a particular emphasis on those topics affecting students as future business leaders and employees. Such topics may include contracts, commercial paper and debt instruments, property rights, employer/employee relationships, and constitutional rights and responsibilities.

ENTREPRENEURSHIP**No. BUS608**

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: No R: No

Prerequisite: 2.7 GPA for college credit recommended College credit available through WSU Tech

Course Emphasis: Entrepreneurship will acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form 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 communication. Several topics surveyed in Business Management courses may also be included.

BANKING AND FINANCE**No. BUS616**

Length: 1 Semester Credit: ½ Grades: 10-11-12 Fee: No NCAA: No R: No

Prerequisite: None

Course Emphasis: Banking and Finance will provide students with an overview of the American monetary and banking system, as well as types of financial institutions and the services and products that they offer. Course content may include government regulations; checking, savings, and money market accounts; loans; investments; and negotiable instruments.

INVESTING**No. BUS716**

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: No NCAA: No R: No

Prerequisite: Recommended to take Banking and Finance first

Course Emphasis: Investing courses emphasize the formulation of business and individual investment decisions by comparing and contrasting the investment qualities of cash, stock, bonds, and mutual funds. Students typically review annual reports, predict growth rates, and analyze trends. Stock market simulations are often incorporated into Investing courses.

ACCOUNTING 1**No. BUS532/533**

Length: 1 Year Credit: 1 Grades: 9-10-11-12 Fee: No NCAA: No R: No

Prerequisite: None; 2.7 GPA for college credit recommended College credit available through WSU Tech

Course Emphasis: Accounting will introduce and expand upon 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 usually used. Advanced topics may include elementary principles of partnership and corporate accounting and managerial uses of control systems and the accounting process. **Freshmen are not eligible for college credit.**

H-ADVANCED ACCOUNTING 2**No. BUS696/697**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: No R: No

Prerequisite: Accounting 1; 2.7 GPA for college credit recommendedCollege credit available through WSU Tech

Course Emphasis: Advanced Accounting courses expand upon the fundamental accounting principles and procedures used in depreciation, techniques, and periodic adjustments. Students learn how to apply standards auditing principles and to prepare budgets and final reports. Calculators, electronic spreadsheets, or other automated tools are usually used. Topics may include elementary principles of partnership and corporate accounting and the managerial uses of control systems and the accounting process and further enhancement of accounting skills.

H-ACCOUNTING 3**No. BUS794**

Length: 1 Semester Credit: 1 Grade: 11-12 Fee: No NCAA: No R: No

This is a semester-long course that will earn 1.0 credit.**Prerequisite:** Advanced Accounting 2; **2.7 GPA for college credit recommended****College credit available through Newman Univ.**

Course Emphasis: To give additional application in the technology of accounting, using QuickBooks Pro software. Solving and analyzing accounting problems and communicating financial information. This course also provides a look into cost accounting for a manufacturing company.

PRINCIPLES OF MARKETING**No. BUS670/671**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: No R: No

Prerequisite: None; **2.7 GPA for college credit** **College credit available through WSU Tech**

Course Emphasis: Principles of Marketing has been developed to introduce students to marketing functions and their application and impact on business operations. The class will focus on the following areas:

- * Encourage students to think critically about the business world.
- * Stress the integration of and articulation with academics such as language arts, mathematics, and social studies.
- * Provide a foundation to support advanced study in business.
- * Enable students to acquire broad understandings of and skills in marketing.
- * Enable students to understand and use technology to perform classroom activities.
- * Stress the importance of interpersonal skills in diverse societies.
- * Foster a realistic understanding of the business environment in which marketing activities are performed.
- * Foster an understanding and appreciation of business ethics.
- * Utilize a variety of types of interactions with the business community.

ADVANCED MARKETING WORKPLACE EXPERIENCE**No. WBL804/805**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: No NCAA: No R: Yes

Prerequisite: Accounting 1, Banking and Finance, and Instructor Approval

Course Emphasis: The Advanced Marketing Workplace Experience is an application level course in the Finance pathway that provides students with valuable workplace experience. Students that have completed at least one course in Accounting and Banking and Finance are eligible to apply and interview for a position in our student-led bank. Selected Interns will complete two weeks of summer training at one of the Citizens Bank of Kansas locations before beginning the school year. Students must have knowledge of typical banking transactions and basic money handling skills. They should demonstrate positive customer service skills, work well in teams, and be in good standing at Derby High School. In addition, selected Interns will be frequently presenting to multiple grade levels throughout the district. See instructor or bank manager for an application.

WORKPLACE EXPERIENCE IN FINANCE**No. WBL???**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: No NCAA: No R: Yes

Prerequisite: Accounting 1, Banking and Finance, and Instructor Approval

Course Emphasis: The Workplace Experience in Finance is an application level course in the Finance pathway that provides students with valuable workplace experience.

*Computer Science***COMPUTER PROGRAMMING 1****No. CSE500**

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: No R: No

Prerequisite: None

Course Emphasis: This course introduces students to the fundamentals of computer programming. In this one-semester course, students will learn essential programming concepts, including variables, data types, conditionals, loops, and functions, which form the foundation for creating dynamic and interactive applications. Emphasis is placed on problem-solving techniques, algorithmic thinking, and debugging, allowing students to develop logical reasoning skills. By the end of the course, students will be able to write and understand basic programs, preparing them for more advanced programming courses and real-world applications. **No prior programming experience is required.**

COMPUTER PROGRAMMING 2**No. CSE501**

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: No R: No

Prerequisite: Computer Programming 1 or Instructor Approval

Course Emphasis: This course builds on the foundation from Computer Programming 1. In this one-semester course, students will deepen their understanding of programming concepts, such as data structures (lists, dictionaries, and sets), file handling, and modular design with functions and classes. They will also explore more advanced problem-solving techniques and debugging strategies, learning to write cleaner and more efficient code that adheres to standard programming practices. By the end of the course, students will be able to create more complex programs and be well-prepared for further study in programming or related fields.

WEB DESIGN**No. BUS612/613**

Length: 1 Semester Credit: 1 Grade: 9-10-11-12 Fee: No NCAA: No R: No

This is a semester-long course that will earn 1.0 credit.Prerequisite: None

Course Emphasis: This one-semester course introduces students to the foundational concepts of web development, focusing on HTML and CSS to create visually appealing and functional websites. Students will learn to structure content with HTML, style elements with CSS, and best practices for design. The course will also cover an introduction to WordPress, enabling students to learn the basics of how to build and manage websites with this popular website builder.

AP COMPUTER SCIENCE PRINCIPLES (This course may not be offered each year.) No. BUS792/793

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: No R: No

Prerequisite: Computer Programming 2 or Instructor Approval

Course Emphasis: Using Python® as a primary tool and incorporating multiple platforms and languages for computation, this course aims to develop computational thinking, generate excitement about career paths that utilize computing, and introduce professional tools that foster creativity and collaboration. While this course can be a student's first in computer science, students without prior computing experience are encouraged to start with Computer Programming 1 and 2. Computer Science Principles helps students develop programming expertise and explore the workings of the Internet. Projects and problems include app development, visualization of data, cybersecurity, and simulation. PLTW is recognized by the College Board as an endorsed provider of curriculum and professional development for AP® Computer Science Principles (AP CSP). This endorsement affirms that all components of PLTW CSP's offerings are aligned to the AP Curriculum Framework standards and the AP CSP assessment.

COLLEGE AND CAREER READINESS

Course Offerings by Grade Level						
Course	Credit	9	10	11	12	Prerequisite
Reality 101-Career and Life Planning	0.5	✓				None
Financial Literacy	0.5	✓	✓	✓	✓	None
Junior Reality	0.5			✓		None
ACT Test Preparation	1.0		✓	✓	✓	None

REALITY 101 - CAREER AND LIFE PLANNING

No. DHS502

Length: 1 Semester

Credit: ½

Grade: 9

Fee: No

NCAA: No

R: No

Prerequisite: None

All ninth-grade students are encouraged to enroll in this class first semester.

Course Emphasis: An interdisciplinary curriculum that engages students in an interactive learning process that helps them enhance career awareness and readiness. In this course, students will develop, review, and analyze an Individualized Plan of Study (IPS) through the creation of an online portfolio. Their IPS will be used as a resource throughout high school to continue to review and re-evaluate their plans for life after high school.

FINANCIAL LITERACY

No. DHS602

Length: 1 Semester

Credit: ½

Grade: 9-10-11-12

Fee: No

NCAA: No

R: No

Prerequisite: None

All ninth-grade students are encouraged to enroll in this class second semester. Transfer students will need to take this course before graduation.

Course Emphasis: Financial literacy course provides students with an understanding of the concepts, principles and skills involved in making and applying sound financial decisions. This course emphasizes earning income, spending, saving, investing, managing credit and managing risk.

JUNIOR REALITY

No. DHS701

Length: 1 Semester

Credit: ½

Grade: 11

Fee: No

NCAA: No

R: No

Prerequisite: None

Course Emphasis: An interdisciplinary curriculum that engages students in an interactive learning process that helps them enhance career awareness and readiness. In this course, students will review and analyze their Individualized Plan of Study (IPS) through the revision and development of their online portfolio. They will also investigate future financial expectations for life after high school by studying personal finance tools and learning how to fill out FAFSA.

ACT TEST PREPARATION

No. ACT700

Length: 1 Semester

Credit: ½

Grades: 10-11-12

Fee: \$25

NCAA: No

R: No

Prerequisites: None

Course Emphasis: The student will learn strategies and tips for improving performance on the ACT in all 4 test areas (English, reading, mathematics, and science). The course is not designed to reteach missing math or reading skills; it is meant to be a review of previously-learned material in English, reading, mathematics, and science. Students taking ACT Prep during the Fall semester will be expected to take the ACT in December. All Juniors have the opportunity to take the ACT in February of their Junior year free of charge. This course is only taught in the Fall semester. **The course fee is for study materials.**

COMMUNICATION AND MEDIA DESIGN

Course Offerings by Grade Level						
Course	Credit	9	10	11	12	Prerequisite
Speech	0.5		✓	✓	✓	None
College Speech	0.5		✓	✓	✓	2.7 GPA recommended
Debate 1	0.5	✓	✓	✓	✓	2.5 GPA; Eligible to compete
Debate 2-4	0.5		✓	✓	✓	Debate 1; Instructor Approval; 2.5 GPA; Eligible to compete
Forensic Speech - Individual Event 1-4	0.5	✓	✓	✓	✓	2.5 GPA; Eligible to compete
Audio/ Video Production 1	0.5	✓	✓	✓	✓	None
Audio/ Video Production 2	1.0		✓	✓	✓	Audio/Video Production Fundamentals
Graphic Design 1	0.5	✓	✓	✓	✓	None
Graphic Design 2	1.0		✓	✓	✓	Computer Graphics or Graphic Design 1
3D Animation	1.0		✓	✓	✓	None
Journalism and Media Communications	0.5	✓	✓	✓	✓	None
Digital Photography and Photo Imaging - Journalism	0.5	✓	✓	✓	✓	None
Media Design and Production (Newspaper)	1.0		✓	✓	✓	Digital Photo and Photo Imaging - Journalism and 21st Century Journalism
Advanced Media Design and Production (Yearbook)	1.0		✓	✓	✓	Instructor's Approval

SPEECH

No. COM636

Length: 1 Semester

Credit: ½

Grade: 10-11-12

Fee: No

NCAA: Yes

R: No

Prerequisite: None

Course Emphasis: Development of oral communication skills in a non-competitive setting to prepare for college or the business world. Communication theory, listening improvement, and evaluation skills will be emphasized. Students will prepare various types of speeches to develop and practice necessary skills. Additional activities include group discussion and presentations. Recommended for college-bound students, but also appropriate for non-college bound students.

COLLEGE SPEECH

No. COM833

Length: 1 Semester

Credit: ½

Grade: 10-11-12

Fee: No

NCAA: Yes

R: No

Prerequisite: 2.7 GPA recommended

College credit available through WSU Tech

Course Emphasis: Development of oral communication skills in a non-competitive setting to prepare for college or the business world. Communication theory, listening improvement, and evaluation skills will be emphasized. Students will prepare various types of speeches to develop and practice necessary skills. Additional activities include group discussions and presentations. Recommended for college-bound students.

DEBATE 1

No. COM520

Length: 1 Semester

Credit: ½

Grade: 9-10-11-12

Fee: No

NCAA: Yes

R: No

Prerequisite: Minimum 2.5 GPA and KSHSAA eligible to compete

Course Emphasis: Debate offers students the opportunity to develop such skills as logic and reasoning, research and analysis, organization of thought and supporting materials, argumentative style and skill, and effective presentation of one's voice and body. Students will prepare to debate a nationally selected debate topic and will travel to compete against other schools. Debate 1 is open to Freshman students. Sophomore, Junior and Senior students must receive instructor approval to enroll.

IMPORTANT NOTE: Debate is a co-curricular competitive course requiring students to participate in a minimum of 3 full-day competitions on Saturdays throughout the Fall semester. Dates available from instructor.

DEBATE 2 - 4

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: Yes R: Yes

Prerequisite: Debate 1; Instructor Approval; Minimum 2.5 GPA and KSHSAA eligible to compete

Course Emphasis: Advanced debate offers students the opportunity to develop advanced skills in logic and reasoning, research and analysis, organization of thought and supporting materials, argumentative style and skill, and effective presentation of one's voice and body. Students will prepare to debate a nationally selected debate topic and will travel to compete against other schools.

IMPORTANT NOTE: Debate is a co-curricular competitive course requiring students to participate in a minimum of 5 full-day competitions on Fridays and/or Saturdays throughout the Fall semester. Dates available from instructor.

DEBATE 2 No. COM620

DEBATE 3 No. COM720

DEBATE 4 No. COM820

FORENSIC SPEECH - INDIVIDUAL EVENT

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: No R: Yes

Prerequisite: 2.5 GPA and KSHSAA eligibility to compete

Course Emphasis: Forensic Speech offers students the opportunity to learn how to use oral skills effectively in formal and informal situations. Students learn such skills as logic and reasoning, the organization of thought and supporting materials, and effective presentation of one's voice and body. Students will learn the methods, aims, and styles of a variety of events (e.g., public forum debate, Lincoln-Douglas debate, public speaking, oral interpretation, and dramatic interpretation). Freshmen and students new to Forensics start at level 1

IMPORTANT NOTE: This course is co-curricular meaning that students MUST be able to attend tournaments after school and/or on the weekends during the Spring semester.

FORENSIC SPEECH/INTERP 1 No. COM527

FORENSIC SPEECH/INTERP 2 No. COM627

FORENSIC SPEECH/INTERP 3 No. COM727

FORENSIC SPEECH/INTERP 4 No. COM827

AUDIO/ VIDEO PRODUCTION 1

No. AAV504

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: No R: No

Prerequisite: None

Course Emphasis: Audio/ Video Production 1 provides a basic understanding of producing video for a variety of uses. Topics include analyzing the pre-production, production and post-production process, as well as explore the equipment and techniques used to develop a quality audio video product.

AUDIO/ VIDEO PRODUCTION 2

No. AAV508/509

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: No R: No

Prerequisite: Audio/Video Production Fundamentals

Course Emphasis: Audio/ Video Production 2 applies the technical skills learned in Audio/ Video Production 1 by allowing students to orchestrate projects from setting the objectives to the post-production evaluation. The subject of the presentation may be determined in a number of ways, but must address an authentic need. The complexity of the presentation is not the focus of this course but the experience of the entire process is, including planning the presentation, setting up the studio (if applicable), acting as the videographer, and editor to make it fluid and seamless.

GRAPHIC DESIGN 1

No. IND604

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: No R: No

Prerequisite: None

Course Emphasis: This course provides a basic understanding of the computer based 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. **Graphic Design 1 counts as a Fine Arts credit.**

GRAPHIC DESIGN 2**No. IND540/541**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: \$35 NCAA: No R: No

Prerequisite: Computer Graphics or Graphics Design 1

Course Emphasis: Commercial Graphic Design courses teach students to use artistic techniques to effectively communicate ideas and information to business and customer audiences via illustration and other forms of digital or printed media. Topics covered may include concept design, layout, paste-up and techniques such as engraving, etching, silkscreen, lithography, offset, drawing and cartooning, painting, collage and computer graphics. Curriculum will include work in Adobe Photoshop and Adobe Illustrator. **In addition, there may be a materials cost for items such as shirts, caps, tags, etc. that students are required to print on. Graphic Design 2 counts as a Fine Arts credit.**

3D ANIMATION**No. BUS622/623**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: No R: No

Prerequisite: None

Course Emphasis: The 3D Animation course helps encourage students to explore their creativity and discover the concepts of animation in an engaging and interactive way. Students in this course will acquire skills in visual effects, motion graphics, and animation, using Adobe Creative Cloud. Students will be using the same software used for creating special effects and animated characters found in movies and television shows. Software used in this class includes: Adobe After Effects, Photoshop, Illustrator, and Final Cut Pro. Some experience in Photoshop and Illustrator is recommended but not required.

JOURNALISM AND MEDIA COMMUNICATIONS**No. AAV500**

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: No R: No

Prerequisite: None

Course Emphasis: Journalism and Media Communications promotes the development of the skill set needed today and in the future. Topics include an exploration of the role media and the communications industry has in society, the development of the technical skills related to journalistic writing and interviewing, as well as understanding the ethical and legal issues related to the field.

DIGITAL PHOTOGRAPHY AND PHOTO IMAGING - Journalism**No. AAV503**

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: \$20 NCAA: No R: No

Prerequisite: None

Course Emphasis: Photo Imaging teaches 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. Focus is on photojournalism skills needed in order to participate on a publications staff.

MEDIA DESIGN AND PRODUCTION (Newspaper)**No. AAV510/511**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: \$20 NCAA: No R: Yes

Prerequisite: Digital Photo and Photo Imaging - Journalism and 21st Century Journalism

Course Emphasis: This class is dedicated to developing a plan and producing content for the Panther's Tale newspaper, as well as the web site pantherstale.com. Students will focus on gathering content, writing stories, taking photographs, editing and organizing the design work. Photoshop and InDesign will be used to create the look and feel of the newspaper. Students will coordinate ad sales and structure the business aspect of selling and distributing the Panther's Tale newspaper. Students are expected to meet deadlines and manage their time effectively, while working as a team and individually.

ADVANCED MEDIA DESIGN AND PRODUCTION (Yearbook)**No. AAV506/507**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: \$20 NCAA: No R: Yes

Prerequisite: Instructor's Approval

Course Emphasis: Derby Publications is a class dedicated to developing a plan and producing the content for the Panther Yearbook and the web site pantherstale.com. Students will focus on gathering content by writing stories and organizing the design work. Photoshop and InDesign will be used to create the look and feel of the publications. All content is shared between both newspaper and yearbook. Students will coordinate ad sales and structure the business aspect of selling and distributing both publications. Students are expected to meet deadlines and manage their time efficiently.

FAMILY AND CONSUMER SCIENCES

Course Offerings by Grade Level						
Course	Credit	9	10	11	12	Prerequisite
Fashion Trends	0.5	✓	✓	✓	✓	None
Essentials in Fashion, Apparel, and Interior Design (FAID)	0.5	✓	✓	✓	✓	None
Interior Design 1	0.5	✓	✓	✓	✓	None
Apparel and Textile Production 1	0.5	✓	✓	✓	✓	None
Apparel and Textile Production 2	0.5	✓	✓	✓	✓	Apparel and Textile Production 2
Human Growth and Development	0.5		✓	✓	✓	None
Family Studies	0.5		✓	✓	✓	None
Foundations of Early Childhood	0.5			✓	✓	Family Studies or Human Growth and Development
Culinary 1	0.5		✓	✓		None
Culinary 2	1.0			✓	✓	Culinary 1
Baking and Pastry 1	0.5		✓	✓	✓	Culinary 1
Teaching as a Career	1.0		✓	✓	✓	Reality 101 and Human Growth and Development
Teaching Observation	0.5			✓	✓	Teaching as a Career
Teaching Internship	1.0				✓	Teaching Observation
Community Connections	0.5			✓	✓	2 Credits in Pathway
Career Connections	0.5			✓	✓	2 Credits in Pathway

FASHION TRENDS

No. AAV602

Length: 1 Semester

Credit: ½

Grade: 9-10-11-12

Fee: No

NCAA: No

R: No

Prerequisite: None

Course Emphasis: In this course, students will explore the dynamic world of fashion, gaining insights into the factors that shape style and influence consumer choices. This course examines historical and current trends, the impact of culture and society on fashion, and the role of fashion forecasting in predicting future styles. Students will study color theory, textiles, and garment construction basics, while also examining the influence of iconic designers and brands. Through hands-on projects, students will develop skills in creating mood boards, identifying color palettes, and exploring personal style. This course encourages creativity and critical thinking, providing a foundation for those interested in fashion design, marketing, or other careers in the fashion industry.

ESSENTIALS IN FASHION, APPAREL, AND INTERIOR DESIGN (FAID)

No. AAV600

Length: 1 Semester

Credit: ½

Grade: 9-10-11-12

Fee: No

NCAA: No

R: No

Prerequisite: None

Course Emphasis: In this hands-on course, you'll get to explore the creative world of fashion, apparel, and interior design, with an emphasis on interior design and decor. Concepts to be covered include the elements and principles of design, floor planning, textiles, mood boards, color basics, housing styles, croquis design, entrepreneurship, and career opportunities in the interior, textiles, and fashion industries.

INTERIOR DESIGN 1

No. IND652

Length: 1 Semester

Credit: ½

Grade: 9-10-11-12

Fee: No

NCAA: No

R: No

Prerequisite: None

Course Emphasis: This course provides students with knowledge and skills regarding interior design. While exploring design principles, personal needs and style and decision making, students may have an opportunity to explore such topics as color, texture, furniture styles and arrangement, lighting, window treatments, floor, wall coverings and home improvement/modification.

APPAREL AND TEXTILE PRODUCTION 1**No. FAC632**

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: No R: No
Prerequisite: None

Course Emphasis: This course introduces students to the fundamentals of the clothing and textile industry. Students will learn foundational sewing techniques, from basic stitches to more advanced garment construction methods, including fabric cutting, pattern reading, and finishing techniques. Emphasis is placed on safe and efficient use of sewing machines and other tools of the trade. Throughout the course, students will complete various projects, enhancing their technical skills. This course is ideal for those interested in apparel design, textile crafts, or a future in the fashion industry. *(No fee but will have to purchase supplies)*

APPAREL AND TEXTILE PRODUCTION 2**No. FAC633**

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: No R: No
Prerequisite: Apparel and Textile Production 1

Course Emphasis: This course provides students with the knowledge and skills to construct, alter, and repair clothing and textile products. Course topics typically include taking measurements, creating, and preparing patterns, and various sewing techniques; topics may also include customer service, fashion design principles, and business management. Upon successful completion of this course, the student should be able to apply intermediate apparel construction principles, techniques and skills in the production of various garments. This continuation of sewing construction techniques will focus on the planning and construction of an ensemble of intermediate complexity, with emphasis on precise fitting alterations. *(No fee but will have to purchase supplies)*

HUMAN GROWTH AND DEVELOPMENT**No. FAC602**

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: No R: No
Prerequisite: None

Course Emphasis: In this course students will explore how humans grow and change from conception all the way through old age, with a special focus on the early years—from birth through school age. You'll dive into the physical, mental, emotional, and social development that shapes individuals at every stage of life. Whether it's the milestones of infancy, the challenges of adolescence, or the transitions into adulthood, this class will give you a deeper understanding of how our experiences shape who we become at every age.

FAMILY STUDIES**No. FAC614**

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: No R: No
Prerequisite: None

Course Emphasis: In this course students will explore the important roles and responsibilities of families as they navigate the different stages of life. Students will learn about various parenting styles, child development, and how to balance work and family. This course also covers essential topics like building positive family relationships, ever evolving roles within families, and child safety. This course features the RealCare baby project, where students have the opportunity to be a parent to a lifelike newborn (robot baby) for a weekend. This course offers valuable insights for anyone interested in family life and caregiving.

FOUNDATIONS OF EARLY CHILDHOOD**No. FAC604/605**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: No NCAA: No R: No
Prerequisite: Family Studies or Human Growth and Development

Course Emphasis: This course is perfect for students wanting to go into ANY field working with young children. Foundations will provide students with the fundamentals they need in order to work with infants, toddler, and elementary age children. A few topics include: providing healthy environments, evaluating play space, and appropriate guidance techniques. Creating lesson plans over various curriculum areas through the use of hands-on activities, to actually implement with children will be achieved. During this class, students travel to childcare facilities; therefore good attendance is mandatory.

CULINARY 1**No. REM500**

Length: 1 Semester Credit: ½ Grade: 10-11 Fee: \$20 NCAA: No R: No
Prerequisite: None

Course Emphasis: This course provides students with the essential skills, techniques, and knowledge necessary to succeed in the professional food industry. Through a combination of hands-on training and classroom instruction, students learn the fundamentals of cooking, baking, and food presentation, while also developing an understanding of kitchen management, sanitation, and nutrition.

CULINARY 2**No. REM600/601**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: \$40 NCAA: No R: No

Prerequisite: Culinary 1

Course Emphasis: This course is designed for aspiring professional chefs and culinary enthusiasts who seek to refine their skills and knowledge in the culinary arts at an advanced level. Students will learn advanced techniques in knife skills, cooking methods, fruit and vegetable cookery and pastry arts, along with gaining an in-depth understanding of menu planning, costing, and the business side of culinary operations. Throughout the course, students will engage in practical, hands-on experiences and work on advanced recipes that require technical precision, time management, and an understanding of ingredient interactions.

BAKING AND PASTRY 1**No. REM620/621**

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: \$20 NCAA: No R: No

Prerequisite: Culinary 1

Course Emphasis: This hands-on course is aimed at aspiring bakers who wish to master the essentials of baking and create stunning pastries, breads, and desserts. Through a combination of lectures, demonstrations, and practical experience, students will learn to bake a variety of products, understand ingredient functions, and develop creative presentation techniques.

TEACHING AS A CAREER**No. TTP100/101**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: No R: No

Prerequisites: Reality 101 and Human Growth and Development

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

TEACHING OBSERVATION**No. TTP200/201**

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: No NCAA: No R: No

Prerequisites: Teaching as a Career

Course Emphasis: This course introduces students to the principles underlying teaching and learning, the responsibilities and duties of teachers, and the techniques of imparting knowledge and information. These courses typically expose students to and train them in classroom management, student behavior, leadership and human relations skills, assessment of student progress, teaching strategies, and various career opportunities in the field of education. Students enrolling in this course should be interested in the education field for a potential career option.

TEACHING INTERNSHIP**No. TTP300/301**

Length: 1 Year Credit: 1 Grade: 12 Fee: No NCAA: No R: Yes

Prerequisites: Teaching Observation

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

COMMUNITY CONNECTIONS**No. FAC712**

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: No NCAA: No R: Yes

Prerequisite: 2 credits in the Pathway

Course Emphasis: Community Connections is the application level course for the learner to apply technical skills in a professional learning experience, unpaid or paid, outside or within the school environment with an emphasis on civic engagement and service to the community. Included will be continued development and finalization of the student's portfolio. Community Connections provides the opportunity for learners to focus on career related topics, team building and effectiveness in the world of work, and acquiring job-seeking skills and retention needed to advance within the workplace.

CAREER CONNECTIONS**No. FAC713**

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: No NCAA: No R: Yes

Prerequisite: 2 credits in the Pathway

Course Emphasis: Career Connections is the application level course for the learner to apply technical skills in a professional learning experience, unpaid or paid, outside or within the school environment. Included will be continued development and finalization of the student's portfolio. Career Connections provides the opportunity for learners to focus on career related topics, team building and effectiveness in the world of work, and acquiring job-seeking skills and retention needed to advance within the workplace.

HEALTH SCIENCE

Course Offerings by Grade Level

Course	Credit	9	10	11	12	Prerequisite
Wellness and Nutrition	0.5	✓	✓	✓	✓	None
Introduction to Healthcare	0.5	✓	✓	✓	✓	None
Sports Medicine 1	1.0	✓	✓	✓	✓	None
Sports Medicine 2	1.0		✓	✓	✓	Sports Medicine 1 or Human Body Systems
Health Care Workplace Experience 1	1.0			✓	✓	Wellness and Nutrition and Sports Med. 1 or Human Body Systems
Health Care Workplace Experience 2	1.0			✓	✓	Wellness and Nutrition and Sports Med. 1 or Human Body Systems
Certified Nurse Aide/ Home Health Aide	0.5		✓	✓	✓	Must be 16 yrs. old; meet health requirements; 2.0 GPA recommended
Phlebotomy and Lab Procedures/ EKG	0.5				✓	Must be 17 yrs. old; 2.0 GPA recommended
Medical Terminology	0.5		✓	✓	✓	2.0 GPA recommended

WELLNESS AND NUTRITION

No. WAN500

Length: 1 Semester

Credit: ½

Grade: 9-10-11-12

Fee: No

NCAA: No

R: No

Prerequisite: None

All ninth-grade students are encouraged to enroll in this class for either first or second semester.

Course Emphasis: This course provides a basic overview of health and wellness principles, enabling students to gain the knowledge and skills necessary to make informed decisions about their physical, mental, and social health. This course is required for graduation, and freshmen are strongly encouraged to enroll.

INTRODUCTION TO HEALTHCARE

No. HSC500

Length: 1 Semester

Credit: ½

Grade: 9-10-11-12

Fee: No

NCAA: No

R: No

Prerequisite: None

Course Emphasis: This is an introductory course.

SPORTS MEDICINE 1

No. HSC650/651

Length: 1 Year

Credit: 1

Grade: 9-10-11-12

Fee: No

NCAA: No

R: No

Prerequisite: None

Course emphasis: Interested in athletic training, Physical Therapy or any medical field this class is for you. We will study nutrition for athletes, principals for conditioning for those that are interested in coaching and personal training. We will learn basic bone and muscle anatomy, Kinesiology terminology, legalities that are important for documentation in the medical field. We will study first aid, injury prevention principles, the healing process, therapeutic modalities/treatments and rehabilitation techniques and how psychological implications from injuries affect athletes and their treatments/rehabilitation. We will do as much hands-on as possible. **We will not be taping in this class.**

SPORTS MEDICINE 2

No. HSC700/701

Length: 1 Year

Credit: 1

Grade: 10-11-12

Fee: \$30

NCAA: No

R: No

Prerequisite: Sports Medicine 1 or Human Body Systems

Course emphasis: We will focus on orthopedic medicine in this class. This course will give you hands-on experience evaluating injuries commonly sustained. We will start at the head and work down the body till we get to the feet. We will go through all anatomy for each body part and how to find it on an actual patient. Students will learn how to do a thorough evaluation/assessment and provide treatment (including taping) and rehabilitation for a patient. The majority of this class is hands-on including exams. When you are done with this class you will be ready to shadow in the medical field or have knowledge to take with you to college to make it a little easier when you get there. **The course fee is for Basic Life Support (BLS) Certification.**

HEALTH CARE WORKPLACE EXPERIENCE

Length: 1 Year Credit: 1 Grade: 11-12 Fee: \$19 NCAA: No R: Yes

Prerequisite: Wellness and Nutrition and Sports Medicine 1 OR Human Body Systems: C grade or above in pre-reqs

Course Emphasis: Take a class that gives you the opportunity to see the health field you may want to get a job in before graduation. Health Care Workplace Experience provides you with Professional Learning Experiences (PLE) to gain extensive knowledge of health/wellness professionals in private/public industry, community organizations, and health care settings, as well as job opportunities, wage, and duties. You will gain extensive knowledge in selected areas of health care, specific occupations, skills sets, educational requirements, credentials/licensure, and daily routines by participating in Job Shadows, Internships and/or Work Based Learning. **The course fee is for Blood Borne Pathogens Training.**

Previous students have shadowed at the following locations: Wesley Medical Center, Rock Regional Hospital, Mid-America Orthopedics, Advanced Physical Therapy, Nova Care, Pearl Girl, McGee Kinesiology, Inspire Health and Performance, Optimal Performance, various Dental Clinics and Optometrists, ect....

****Students must have a driver's license and their own car. Students must have permission form parents to drive off campus.**

****Students will be required to set up their own shadowing locations outside of a Hospital Setting with instructor approval.**

****Students will have to have an open block to be able to shadow for 2 hours in a row (i.e. Wesley).**

Students who will shadow during one or two blocks. Students who shadow one block will be enrolled in Health Care Workplace Experience 1. Students who shadow two blocks will be enrolled in Health Care Workplace Experience 2. All students should enroll for Health Care Workplace Experience 1 and those who are shadowing 2 blocks will be placed by the instructor.

HEALTH CARE WORKPLACE EXPERIENCE 1

No. HSC802/803

HEALTH CARE WORKPLACE EXPERIENCE 2

will be placed by instructor

CERTIFIED NURSE AIDE (CNA)/ HOME HEALTH AIDE (HHA)

No. HSC900

Length: 1 Semester Credit: 1 Grade: 10-11-12 Fee: No NCAA: No R: No

Prerequisite: *See Program Requirements; **2.0 GPA recommended**

College credit available through WSU Tech

Course Emphasis: The Certified Nurse Aide (CNA) program prepares students to be caregivers in nursing homes while working under the supervision of licensed nurses. The instruction includes classroom, skills lab and clinical experiences. Students must successfully complete a competency skills checklist, maintain attendance as defined in the course syllabus and achieve satisfactory grades. Classes meet for approximately eight weeks. The program meets the guidelines of the Kansas Department on Aging and Disability Services and graduates may take the state examination to become CNAs after successful completion of the course. **This course is paired with Home Health Aide.**

Program Requirements:

- 16 years or older
- Negative Tuberculosis Skin test, blood test or chest x-ray that is less than 1 year old.
- COVID Vaccination Required for clinicals
- Copy of Social Security Card

This course has limited enrollment at DHS. This course can be taken at WSU Tech if filled here

PHLEBOTOMY AND LABORATORY PROCEDURES/ EKG

No. HSC904

Length: 1 Semester Credit: 1 Grade: 12 Fee: No NCAA: No R: No

Prerequisite: Must be 17 years old; 2.0 GPA recommended **College credit available through WSU Tech**

Course Emphasis: This course addresses the role and function of the professional in the clinical laboratory setting. Topics include safety, Clinical Laboratory Improvement Act of 1988 (CLIA-88) government regulations and quality assurance in the laboratory. Students learn concepts and perform procedures in the different departments of the laboratory, including specimen collection and performance of CLIA-88 low- and/or moderate-complexity testing. Students demonstrate competencies in a wide variety of techniques used to collect, process, and test specimens. **Recommended for students 17 or older due to employment requiring a person to be 18 years old at time of hire. This course is paired with EKG.** ***This course has limited enrollment at DHS. This course can be taken at WSU Tech if filled here***

MEDICAL TERMINOLOGY

No. HSC905

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: No R: No

Prerequisite: **2.0 GPA recommended** **College credit available through WSU Tech**

Course Emphasis: Presents basic principles of medical word-building. The study develops competencies in the basic elements forming medical words, categorizing major suffixes and group prefixes. Anatomical, physiological and pathological terms are reviewed so students better understand special medical procedures. This is the introductory course in medical terminology and is intended for all who desire knowledge in this subject. ***This course has limited enrollment at DHS. This course can be taken at WSU Tech if filled here***

INDUSTRIAL TECHNOLOGY

Course Offerings by Grade Level						
Course	Credit	9	10	11	12	Prerequisite
Introduction to Skilled Trades	0.5	✓	✓	✓	✓	None
Introduction to Engineering Design	1.0	✓	✓	✓	✓	Enrolled in Algebra 1 or higher
Production Print Reading	0.5		✓	✓	✓	None; 2.0 GPA for college credit recommended
Drafting/CAD	1.0		✓	✓	✓	Introduction to Skilled Trades
Principles of Applied Engineering	1.0		✓	✓	✓	Enrolled in Geometry or higher
Robotics	1.0		✓	✓	✓	Algebra 1
Digital Electronics	1.0		✓	✓	✓	Enrolled in Geometry or higher
Drafting/Architecture 1	1.0		✓	✓	✓	Drafting/CAD OR Introduction to Skilled Trades
Hand and Power Tools	0.5		✓	✓	✓	Introduction to Skilled Trades OR Production Print Reading; 2.7 GPA for college credit recommended
Carpentry 1	1.0		✓	✓	✓	Any 2 Construction and Design courses
Production Methods 1	1.0		✓	✓	✓	Introduction to Skilled Trades
Production Methods 2	1.0			✓	✓	Production Methods 1
Advanced Drafting/CAD	1.0			✓	✓	Drafting/CAD
Aerospace Engineering	1.0			✓	✓	Enrolled in Algebra 2 or higher
Workplace Experience in Engineering	0.5			✓	✓	See course description
Workplace Experience in Architecture and Construction	0.5			✓	✓	See course description
Workplace Experience in Manufacturing	0.5			✓	✓	See course description

INTRODUCTION TO SKILLED TRADES

No. IND502

Length: 1 Semester

Credit: ½

Grade: 9-10-11-12

Fee: \$15

NCAA: No

R: No

Prerequisite: None

Course Emphasis: This course is an introductory level course designed to instruct students in the basic skills necessary to all occupations in the Construction, Manufacturing & Transportation areas. Teachers will expose students to the opportunities available in construction-related trades. Students will also learn about the processes involved in construction projects and may engage in a variety of small projects. These courses emphasize responsibilities, qualifications, work environment, rewards, and career paths within construction-related fields. This course may not be repeated.

INTRODUCTION TO ENGINEERING DESIGN

No. IND570/571

Length: 1 Year

Credit: 1

Grade: 9-10-11-12

Fee: No

NCAA: No

R: No

Prerequisite: Enrolled in Algebra 1 or higher

Course Emphasis: This is the first class in PLTW's premier high school program, **Pathway to Engineering™**, which is a four-year course of study integrated into the students' core curriculum. **Introduction to Engineering Design** allows students to use sophisticated three-dimensional modeling software to improve existing products, invent new ones, and communicate the details of the products to others. The combination of traditional math and science courses with innovative Pathway to Engineering courses prepares students for college majors in engineering and E/T fields and offers them the opportunity to earn college credit while still in high school. PTLW courses engage high school students through a combination of activities-based, project-based, and problem-based learning.

PRODUCTION PRINT READING

No. PRO500

Length: 1 Semester

Credit: ½

Grade: 10-11-12

Fee: No

NCAA: No

R: No

Prerequisite: None; 2.0 GPA for college credit

College credit available through WSU Tech

Course Emphasis: Provides students with the knowledge and ability to interpret the lines, symbols, and conventions of blueprints from a variety of industrial applications.

DRAFTING/CAD

No. IND612/613

Length: 1 Year

Credit: 1

Grade: 10-11-12

Fee: No

NCAA: No

R: No

Prerequisite: Introduction to Skilled Trades or Introduction to Engineering Design

Course Emphasis: Frequently offered as an intermediary step to more advanced drafting courses (or as a concurrent course), CAD Design and Software courses introduce students to the computer-aided drafting systems available in the industry.

PRINCIPLES OF APPLIED ENGINEERING**No. IND606/607**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: No R: No

Recommended: Enrolled in Geometry or higher

Course Emphasis: This course will cover the different types of engineering and the communication and documentation that engineers use. Mechanism, thermodynamics, fluid systems, electrical systems and control systems are also covered. Using the appropriate formulas students make static and strength calculations for various materials before testing them. They explore the fields of reliability engineering and kinematics.

ROBOTICS (This course may not be offered each year.)**No. IND708/709**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: No R: No

Recommended: Algebra 1

Course Emphasis: The Robotics class is divided up into 12 units focused on learning about engineering and engineering problem solving. They will be given an introduction to the VEX Robotics Design System and Autodesk Inventor. About half way through the course, students will be presented with an engineering challenge; they will need to build a robot to play a sport-like game. The rest of the year students will refine the design of their robot while learning and applying relevant Robotics principles. At the end of the course, students will compete head-to-head with their robots. To be successful in this class it would be good to have successfully completed Algebra 1. **Students do NOT need to have passed Algebra 1 to be in the Robotics Club. Freshmen may also join the Robotics Club.**

DIGITAL ELECTRONICS (This course may not be offered each year.)**No. IND706/707**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: No R: No

Recommended: Enrolled in Geometry or higher

Course Emphasis: This course is the study of electronic circuits that are used to process and control digital signals. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, and high-definition televisions. The major focus of the DE course is to expose students to the design process of combinational and sequential logic design, teamwork, communication methods, engineering standards, and technical documentation.

DRAFTING/ARCHITECTURE 1**No. IND610/611**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: No R: No

Prerequisite: Drafting/CAD or Introduction to Skilled Trades

Course Emphasis: A comprehensive course designed to instruct students in the basic skills of architectural design with a particular emphasis on residential and light commercial applications.

HAND AND POWER TOOLS**No. AMP600**

Length: 1 Semester Credit: 0.5 Grade: 10-11-12 Fee: \$20 NCAA: No R: No

Prerequisite: Introduction to Skilled Trades OR Production Print Reading; 2.7 GPA for college credit recommended
College credit available through WSU Tech

Course Emphasis: Provides technical knowledge used in aviation and manufacturing area related to hand and power tools. Outcomes and objectives for the class include the ability to apply basic concepts and terminology to precision instruments, utilize precision instruments, demonstrate safety procedures used with portable and stationary electrical equipment used in manufacturing, utilize portable and stationary electrical equipment used in manufacturing, explain procedures for using the correct electrical tools based on project specifications, describe and understand how to drill, deburr and chamfer quality holes, describe and understand the use of power and pneumatic hand tools used in manufacturing, identify drilling and countersinking techniques, used in manufacturing, and identify fasteners used in the manufacturing industry.

CARPENTRY 1**No. IND 550/551**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: No R: No

Prerequisite: Any 2 Construction and Design courses

Course Emphasis: A comprehensive course designed to instruct students in the basic knowledge and skills required for construction of residential structures. Objectives and course outcomes include demonstrating a working knowledge of tools, skills, materials vocabulary and construction methods for all types of construction including residential and commercial, estimating building materials and cost for a project, lay out, construction, cut and install, and application of walls, frames, flooring, shingles, doors and windows from blueprints.

PRODUCTION METHODS 1**No. PRO700/701**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: \$25 NCAA: No R: No

Prerequisite: Introduction to Skilled Trades

Course Emphasis: A comprehensive course designed to instruct students in the knowledge and skills required for fabricating products using a variety of materials (wood, plastic, metal &/or composites).

PRODUCTION METHODS 2**No. PRO800/801**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: \$25 NCAA: No R: No

Prerequisite: Production Methods 1

Course Emphasis: An application level course designed to instruct students in the knowledge and skills required for fabricating products using a variety of materials (wood, plastic, metal &/or composites).

ADVANCED DRAFTING/CAD**No. IND800/801**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: No NCAA: No R: No

Prerequisite: Drafting/CAD

Course Emphasis: An advanced level application course covering specific research-based topics in architectural design.

AEROSPACE ENGINEERING (This course may not be offered each year.)**No. IND700/701**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: No NCAA: No R: No

Prerequisite: Enrolled in Algebra 2 or higher

Course Emphasis: The major focus of this course is to expose students to the world of aeronautics, flight, and engineering through the fields of aeronautics, aerospace engineering, and related areas of study. Lessons engage students in engineering design problems related to aerospace information systems, astronautics, rocketry, propulsion, the physics of space science, space life sciences, the biology of space science, principles of aeronautics, structures and materials, and systems engineering. Students work in teams utilizing hands-on activities, projects, and problems and are exposed to various situations faced by aerospace engineers. In addition, students use 3D design software to help design solutions to proposed problems. Students design intelligent vehicles to learn about documenting their project, solving problems, and communicating their solutions to their peers and members of the professional community.

WORKPLACE EXPERIENCE IN ENGINEERING**No. WBL800/801**

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: No NCAA: No R: Yes

Prerequisite: See below

Course Emphasis: An advanced level application course providing engineering related work-based learning experiences (paid or unpaid) outside the traditional classroom. Learning goals are determined by the student, teacher, and employer/adult mentor to create field experiences and/or discussions related to engineering.

PREREQUISITE: The student must have been enrolled, and/or be currently enrolled, in a technical and/or application level course(s) (one credit) in the pathway related to the career experience. Students must provide their own transportation to and from, sign a WBL agreement, turn in weekly documentation and complete at least 60 hours of WBL per semester.

WORKPLACE EXPERIENCE IN ARCHITECTURE AND CONSTRUCTION**No. IND850/851**

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: No NCAA: No R: Yes

Prerequisite: See below

Course Emphasis: An advanced level application course providing architecture and construction related work-based learning experiences (paid or unpaid) outside the traditional classroom. Learning goals are determined by the student, teacher, and employer/adult mentor to create field experiences and/or discussions related to architecture and construction.

PREREQUISITE: The student must have been enrolled, and/or be currently enrolled, in a technical and/or application level course(s) (one credit) in the pathway related to the career experience. Students must provide their own transportation to and from, sign a WBL agreement, turn in weekly documentation and complete at least 60 hours of WBL per semester.

WORKPLACE EXPERIENCE IN MANUFACTURING**No. IND850/851**

Length: 1 Semester

Credit: ½

Grade: 11-12

Fee: No

NCAA: No

R: Yes

Prerequisite: See below

Course Emphasis: An advanced level application course providing manufacturing related work-based learning experiences (paid or unpaid) outside the traditional classroom. Learning goals are determined by the student, teacher, and employer/adult mentor to create field experiences and/or discussions related to manufacturing.

PREREQUISITE: The student must have been enrolled, and/or be currently enrolled, in a technical and/or application level course(s) (one credit) in the pathway related to the career experience. Students must provide their own transportation to and from, sign a WBL agreement, turn in weekly documentation and complete at least 60 hours of WBL per semester.

LANGUAGE ARTS

Course Offerings by Grade Level

Course	Credit	9th	10th	11th	12th	Prerequisite
English 9/CM	1.0	✓				English 8 and Requires IEP team decision
English 9	1.0	✓				English 8
Pre-AP English 1	1.0	✓				A or B in previous year recommended
English 10/CM	1.0		✓			English 9 and Requires IEP team decision
English 10	1.0		✓			English 9
Pre-AP English 2	1.0		✓			A or B in English 9 or C or better in Pre-AP English 1 recommended
English 11/CM	1.0			✓		English 9, 10 and Requires IEP team decision
English 11	1.0			✓		English 9 and English 10
AP English Language	1.0			✓	✓	C or better in Pre-AP English 2; A or B in Regular English 10; Instructor Approval
English 12/CM					✓	English 9, 10, 11 and Requires IEP team decision
English 12	1.0				✓	None
AP Literature/ Comp	1.0			✓	✓	C or better in Pre-AP English 2; A or B in Regular English 10; Instructor Approval
Composition 1	1.0				✓	3.0 GPA; ACT English score 20+ and ACT Reading score 18+ recommended; Must meet WSU Tech minimum requirements for college credit
Composition 2	1.0				✓	3.0 GPA; ACT English score 20+ and ACT Reading score 18+ recommended; College Credit awarded for Composition 1; Must meet WSU Tech minimum requirements for college credit
AP Seminar	1.0		✓	✓	✓	None
Creative Writing	0.5		✓	✓	✓	None
Bible as Literature	0.5		✓	✓	✓	None
Mythology/ CM	0.5			✓	✓	Requires IEP team decision
Mythology	0.5			✓	✓	None
World Literature	0.5			✓	✓	Completion of English 9 and 10

ENGLISH 9, CM

No. LAN100/101

Length: 1 Year

Credit: 1

Grade: 9

Fee: No

NCAA: Yes

R: No

Prerequisite: English 8 and **Requires IEP team decision**

Course Emphasis: Modified curriculum about the study of grammar and usage; logically developed multi-paragraph essays; study of short stories, poetry, drama; vocabulary, various genres of reading and writing; study of text structure and text types; oral presentations; knowledge and skills in areas of media and computer.

ENGLISH 9, Regular

No. LAN500/501

Length: 1 Year

Credit: 1

Grade: 9

Fee: No

NCAA: Yes

R: No

Prerequisite: English 8

Course Emphasis: The study of grammar and usage; logically developed multi-paragraph essays; study of short stories, poetry, drama; vocabulary, various genres of reading and writing; study of text structure and text types; oral presentations; knowledge and skills in areas of media and computer.

PRE-AP ENGLISH 1

No. LAN590/591

Length: 1 Year

Credit: 1

Grade: 9

Fee: No

NCAA: Yes

R: No

Prerequisite: English 8; Recommended B grade or higher in English 8

Course Emphasis: Texts take center stage in the Pre-AP English 1 Course, inspiring and preparing all students for close, critical reading and analytical writing. This course trains the reader to observe the small details in a text to arrive at a deeper understanding of the whole. It also trains the reader to appreciate authors' sometimes-subtle choices, developing an awareness of how words produce effects and how the conventions of the English language are used for both precision and style. As writers, students focus first on crafting complex sentences, building this foundational skill; they then move on to producing well-organized paragraphs and, as the year progresses, more sophisticated, longer-form analyses.

ENGLISH 10, CM**No. LAN102/103**

Length: 1 Year Credit: 1 Grade: 10 Fee: No NCAA: Yes R: No

Prerequisite: English 9 and Requires IEP team decision

Course Emphasis: Modified curriculum about this skill-based course includes study of a variety of literature (novels, plays, poetry, short stories, and non-fiction); vocabulary and grammar; the writing process (including paragraphs and essays), book reports, and other projects. Kansas State Standards are incorporated into the curriculum. These include reading, writing, speaking, viewing, and listening. This course is specifically designed to build students' skills in the four modes of reading and writing (narrative, expository, persuasive, and technical).

ENGLISH 10, Regular**No. LAN600/601**

Length: 1 Year Credit: 1 Grade: 10 Fee: No NCAA: Yes R: No

Prerequisite: English 9

Course Emphasis: This skill-based course includes study of a variety of literature (novels, plays, poetry, short stories, and non-fiction); vocabulary and grammar; the writing process (including paragraphs and essays), book reports, and other projects. Kansas State Standards are incorporated into the curriculum. These include reading, writing, speaking, viewing, and listening. This course is specifically designed to build students' skills in the four modes of reading and writing (narrative, expository, persuasive, and technical).

PRE-AP ENGLISH 2**No. LAN690/691**

Length: 1 Year Credit: 1 Grade: 10 Fee: No NCAA: Yes R: No

Prerequisite: English 9; Recommended C grade or higher in Pre-AP English 1; A or B in Regular English 9

Course Emphasis: Pre-AP English 2 builds on the foundation of the Pre-AP English 1 course, with an emphasis on the recursive moves that matter in preparing students for the challenges of college-level reading, writing, and discussion. While 9th grade introduces the fundamental routines of close observation, critical analysis, and appreciation of author's craft, 10th grade requires students to apply those same practices to a new host of nonfiction and literary texts. As readers, students develop a vigilant awareness of how the poet, playwright, novelist, and writer of nonfiction alike can masterfully manipulate language to serve their unique purposes. As writers, students compose more nuanced analytical essays without losing sight of the importance of well-crafted sentences and a sense of cohesion. Each unit of English 2 culminates in a writing task that reflects the rigor of similar tasks they will eventually encounter on standardized writing exams, in AP English courses, and in college classes.

ENGLISH 11, CM**No. LAN104/105**

Length: 1 Year Credit: 1 Grade: 11 Fee: No NCAA: Yes R: No

Prerequisite: English 9, English 10 and Requires IEP team decision

Course Emphasis: Modified curriculum about the study of grammar and usage; composition styles, including 11 sentence paragraphs, persuasive essays and literature analysis; vocabulary; an emphasis on American literature with comprehension, interpretation, and analysis of American writers from early American history to the present; a study of research skills culminating in a written research brief.

ENGLISH 11, Regular**No. LAN700/701**

Length: 1 Year Credit: 1 Grade: 11 Fee: No NCAA: Yes R: No

Prerequisite: English 9, English 10

Course Emphasis: The study of grammar and usage; composition styles, including 11 sentence paragraphs, persuasive essays and literature analysis; vocabulary; an emphasis on American literature with comprehension, interpretation, and analysis of American writers from early American history to the present; a study of research skills culminating in a written research brief.

AP ENGLISH LANGUAGE**No. LAN792/793**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: No NCAA: Yes R: No

Prerequisite: C or better in Pre-AP English 2; A or B in Regular English 10; Instructor Approval

Course Emphasis: The AP English Language and Composition course aligns to an introductory college-level rhetoric and writing curriculum, which requires students to develop evidence-based analytic and argumentative essays that proceed through several stages or drafts. Students evaluate, synthesize, and cite research to support their arguments. Throughout the course, students develop a personal style by making appropriate grammatical choices. Additionally, students read and analyze the rhetorical elements and their effects in non-fiction texts, including graphic images as forms of text, from many disciplines and historical periods.

ENGLISH 12, CM**No. LAN106/107**

Length: 1 Year Credit: 1 Grade: 12 Fee: No NCAA: Yes R: No

Prerequisite: English 9, 10, 11 & Requires IEP team decision

Course Emphasis: Modified curriculum about basic grammar review; organization of compositions; expository research paper with oral presentation; survey of British literature with emphasis on interpretation and evaluation.

ENGLISH 12, Regular**No. LAN800/801**

Length: 1 Year Credit: 1 Grade: 12 Fee: No NCAA: Yes R: No

Prerequisite: English 9, 10, 11

Course Emphasis: Basic grammar review; organization of compositions; expository research paper with oral presentation; survey of British literature with emphasis on interpretation and evaluation.

AP ENGLISH LITERATURE/COMPOSITION**No. LAN892/893**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: No NCAA: Yes R: No

Prerequisite: C or better in Pre-AP English 2; A or B in Regular English 10; Instructor Approval

Course Emphasis: AP English Literature and Composition is a college-level course, and students can, depending on their performance on the AP Exam in May, obtain credit for one college literature course and/or advanced placement in college English. The course requires of its students careful and deliberate reading of novels and plays, and an intensive study of poetry. Some of these texts, which are recommended by the College Board, address mature topics. Writing is an integral part of the course, and, in addition to the senior project, students will write at least three compositions per nine-week grading period. These assignments will reinforce the critical reading skills taught across the spectrum of literary genres. Students will also be asked to write "timed essays" throughout the course of the year. The workload for this course is college level and will include practice AP examinations throughout the year.

COMPOSITION 1**No. LAN896**

Length: 1 Semester Credit: ½ Grade: 12 Fee: No NCAA: ? R: No

Prerequisite: English 9, 10, 11**College credit available through WSU Tech****Also recommended: 3.0 GPA and an ACT English Score of 20+ and ACT Reading Score of 18+**

Course Emphasis: A one-semester course designed to improve the reading and writing skills of students. The emphasis is on fundamental principles of written English in structurally correct sentences, paragraphs, and expository themes. Critical analysis of essays will be used to aid in developing the student's thinking, support of thesis, and style. Students are introduced to the basic components of research by writing a documented essay in Modern Language Association (MLA) style.

WSU Tech minimum requirements at time of printing are Accuplacer Reading 255+ or ACT Reading 15+ or Junior or Senior English A or B and 3.25 GPA. Check with them for updated requirements.

COMPOSITION 2**No. LAN897**

Length: 1 Semester Credit: ½ Grade: 12 Fee: No NCAA: ? R: No

Prerequisite: Composition 1**College credit available through WSU Tech****Also recommended: 3.0 GPA and an ACT English Score of 20+ and ACT Reading Score of 18+**

Course Emphasis: Through a study of poetry, short story, drama and essays as literary forms, this course further develops students' writing skills. This course also improves research techniques through writing an in-depth research essay in Modern Language Association (MLA) style. It emphasizes accuracy and fluency in expressing sound ideas in class discussions, assignments and essays.

Note: If Composition 1 was taken at an institution other than WSU Tech, a transcript showing Composition 1 completion must be received by WSU Tech prior to enrollment in Composition 2.

WSU Tech minimum requirements at time of printing are Accuplacer Writing 255+ or ACT Reading 15+ or Junior or Senior English A or B and 3.25 GPA. Check with them for updated requirements.

Elective Courses

AP SEMINAR (will not be taught 2025-2026)

No. LAN694/695

Length: 1 Year Credit: 1 Grades: 10-11-12 Fee: No NCAA: ? R: No
Pre-requisites: None

Course Emphasis: AP Seminar is a foundational course that engages students in cross-curricular conversations that explore the complexities of academic and real-world topics and issues by analyzing divergent perspectives. Using an inquiry framework, students practice reading and analyzing articles, research studies, and foundational, literary, and philosophical texts; listening to and viewing speeches, broadcasts, and personal accounts; and experiencing artistic works and performances. Students learn to synthesize information from multiple sources, develop their own perspectives in written essays, and design and deliver oral and visual presentations, both individually and as part of a team. Ultimately, the course aims to equip students with the power to analyze and evaluate information with accuracy and precision in order to craft and communicate evidence-based arguments.

Successful completion of AP Seminar, combined with AP Research and scores of 3 or higher on at least 4 other AP Courses will result in the awarding of the AP Capstone Diploma.

CREATIVE WRITING

No. LAN620

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: Yes R: Yes
Prerequisite: None

Course Emphasis: The fall semester of this course will focus on short story writing and novel development. The spring semester will focus on short story writing, script writing, and poetry construction. Students will be required to submit original writing(s) for publication in the DHS *Zephyr* and the state journal *Voices of Kansas*. This course will open up the fun part of writing in a way that other classes do not.

BIBLE AS LITERATURE

No. LAN640

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: No R: No
Prerequisite: None

Course Description: A semester-long course for high school students wanting background on biblical allusions in English literature and greater appreciation for the genres, history, cultures, and themes presented in biblical literature. This course is intended as a literary investigation of the Bible, one of the great foundational writings of Western Literature and the best-selling book worldwide. This course is not intended to be a religion or theology course.

MYTHOLOGY, CM

No. LAN112

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: No NCAA: ? R: No
Prerequisite: Requires IEP team decision

Course Emphasis: Modified curriculum pertaining to an exposure to the Greek and Roman gods and heroes. A study of major stories, values and philosophies of ancient civilizations and the sociological impact of myth on our culture. It is an excellent enrichment course for liberal arts. **Mythology can count as a Language Arts credit ONLY if you are a midterm grad.**

MYTHOLOGY

No. LAN720

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: No NCAA: Yes R: No
Prerequisite: None

Course Emphasis: An exposure to the Greek and Roman gods and heroes. A study of major stories, values and philosophies of ancient civilizations and the sociological impact of myth on our culture. It is an excellent enrichment course for liberal arts. **Mythology can count as a Language Arts credit ONLY if you are a midterm grad.**

WORLD LITERATURE

No. LAN730

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: No NCAA: Yes R: No
Prerequisite: English 9 and 10

Course Emphasis: This course is a study of both early, and modern literature from many countries, including: Greece, Italy, Japan, Mexico, Great Britain, and many others. Folk tales, drama, short stories, poetry, non-fiction, and novels will be read. This course helps to prepare students for college. **World Literature can count as a Language Arts credit ONLY if you are a midterm grad.**

MATHEMATICS

Course Offerings by Grade Level

Course	Credit	9th	10th	11th	12th	Prerequisite
Pre-Algebra/CM	1.0	✓				Requires IEP team decision
Pre-Algebra	1.0	✓				Requires teacher recommendation
Algebra 1/CM	1.0	✓	✓	✓	✓	Requires IEP team decision
Algebra 1	1.0	✓	✓	✓	✓	None
Algebra 1, Daily	1.0	✓	✓	✓	✓	Requires teacher recommendation
Geometry	1.0	✓	✓	✓	✓	Algebra 1
Geometry, Daily	1.0	✓	✓	✓	✓	Requires teacher recommendation
Pre-AP Geometry	1.0	✓	✓			Algebra 1
Thinking Mathematically/CM	1.0			✓	✓	Requires IEP team decision
Thinking Mathematically	1.0			✓	✓	Geometry
Algebra 2	1.0	✓	✓	✓	✓	Earn a C or better in both semesters of Algebra 1, and one other math credit
Pre-AP Algebra 2	1.0	✓	✓	✓	✓	Geometry
College Algebra	1.0		✓	✓	✓	Algebra 2; Recommended ACT Math score of 21; 3.0 GPA; Must meet WSU Tech minimum requirements for college credit
Math 3	1.0			✓	✓	Algebra 1 and one other math credit
Pre Calculus	1.0	✓	✓	✓	✓	Earn a C or better in both semesters of Algebra 2; Recommended ACT Math score of 24; 3.0 GPA for college credit
AP Statistics	1.0		✓	✓	✓	Algebra 2; Recommended ACT Math score of 21; 3.0 GPA
AP Calculus AB	1.0		✓	✓	✓	Pre Calculus; Recommended ACT Math score of 24; 3.0 GPA

PRE-ALGEBRA, CM

No. MAT102/103

Length: 1 Year

Credit: 1

Grade: 9

Fee: No

NCAA: No

R: No

Prerequisite: **Requires IEP team decision**

Course Emphasis: Modified curriculum pertaining to operations on real numbers; simplifying expressions; solving first-degree equations, inequalities and application problems; graphing linear equations; simplifying exponents; operations on polynomials; and factoring polynomials.

PRE-ALGEBRA

No. MAT502/503

Length: 1 Year

Credit: 1

Grade: 9

Fee: No

NCAA: No

R: No

Prerequisite: **Requires teacher recommendation**

Course Emphasis: Topics in pre-algebra include operations on real numbers; simplifying expressions; solving first-degree equations, inequalities and application problems; graphing linear equations; simplifying exponents; operations on polynomials; and factoring polynomials.

ALGEBRA 1, CM

No. MAT110/111

Length: 1 Year

Credit: 1

Grade: 9-10-11-12

Fee: No

NCAA: Yes

R: No

Prerequisite: **Requires IEP team decision**

Course Emphasis: Introduction to linear equations and inequalities, systems of equations, arithmetic operations applied to polynomials, factoring second degree polynomials, graphs of linear equations and inequalities, irrational numbers and radical expressions, quadratic formula, direct and inverse variation, word problems.

ALGEBRA 1

No. MAT500/501

Length: 1 Year

Credit: 1

Grade: 9-10-11-12

Fee: No

NCAA: Yes

R: No

Prerequisite: None

Course Emphasis: Introduction to linear equations and inequalities, systems of equations, arithmetic operations applied to polynomials, factoring second degree polynomials, graphs of linear equations and inequalities, irrational numbers and radical expressions, quadratic formula, direct and inverse variation, word problems.

ALGEBRA 1, Daily**No. MAT508/509 and MAT552/553**

Length: 1 Year Credit: 1 Grade: 9-10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Requires teacher recommendation

Course Emphasis: Introduction to linear equations and inequalities, systems of equations, arithmetic operations applied to polynomials, factoring second degree polynomials, graphs of linear equations and inequalities, irrational numbers and radical expressions, quadratic formula, direct and inverse variation, word problems.

This course will require 2 blocks and upon successful completion, 2 credits will be earned, 1 math, 1 elective.

GEOMETRY, Regular**No. MAT510/511**

Length: 1 Year Credit: 1 Grade: 9-10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Algebra 1

Course Emphasis: Elements of geometry, geometric proofs, geometric definitions, angles and perpendicular lines, parallel lines, congruent triangles, similar polygons, circles and areas, construction.

GEOMETRY, Daily**No. MAT518/519 and MAT556/557**

Length: 1 Year Credit: 1 Grade: 9-10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Algebra 1 and requires teacher recommendation

Course Emphasis: Elements of geometry, geometric proofs, geometric definitions, angles and perpendicular lines, parallel lines, congruent triangles, similar polygons, circles and areas, construction.

This course will require 2 blocks and upon successful completion, 2 credits will be earned, 1 math, 1 elective.

PRE-AP GEOMETRY**No. MAT590/591**

Length: 1 Year Credit: 1 Grade: 9-10 Fee: No NCAA: Yes R: No

Prerequisite: Algebra 1

Course Emphasis: Geometric proofs, definitions; parallel lines, congruent, similar triangles, quadrilaterals, polygons, circles, coordinate geometry, area, volumes, constructions, geometry-algebra relations and analytic geometry and transformations. (Should be taken by college-bound students who plan to take Pre-AP Algebra 2 and other advanced mathematics classes.)

THINKING MATHEMATICALLY, CM**No. MAT136/137**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: No NCAA: No R: No

Prerequisite: Requires IEP team decision

Course Emphasis: Modified curriculum math class that reviews Algebra and Geometry topics required for a student entering Algebra 2. This course also includes topics in logic, basic statistics, and probability and odds. This class will prepare you to be successful in Algebra 2, and by doing so, reduce or eliminate the need for remedial math classes in college. It is intended for students who are planning on going to college, who need Algebra 2 but may require extra preparation before Algebra 2. (Students who fall in this category may have taken Daily Algebra 1 and/or Daily Geometry.)

THINKING MATHEMATICALLY**No. MAT602/603**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: No NCAA: No R: No

Prerequisite: Geometry

Course Emphasis: Thinking Mathematically is a math class that reviews Algebra and Geometry topics required for a student entering Algebra 2. This course also includes topics in logic, basic statistics, and probability and odds. This class will prepare you to be successful in Algebra 2, and by doing so, reduce or eliminate the need for remedial math classes in college. It is intended for students who are planning on going to college, who need Algebra 2 but may require extra preparation before Algebra 2. (Students who fall in this category may have taken Daily Algebra 1 and/or Daily Geometry.)

ALGEBRA 2, Regular**No. MAT600/601**

Length: 1 Year Credit: 1 Grade: 9-10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Earn a C or better in both semesters of Algebra 1, and one other math credit

Course Emphasis: Real numbers and properties, systems of linear open sentences, functions, factoring, polynomials, rational and irrational numbers, complex numbers, quadratic equations and functions, exponential functions and logarithms.

PRE-AP ALGEBRA 2**No. MAT690/691**

Length: 1 Year Credit: 1 Grade: 9-10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Geometry

Course Emphasis: Operations and properties of real numbers, linear equations, functions and polynomials, rational expressions, irrational numbers, quadratic equations and functions, quadratic relations and systems, exponential functions and logarithms, sequences and series, permutations, combinations, probability, operations with matrices, trigonometric functions, solving right triangles. (Should be taken by college-bound students who plan to take Pre Calculus, and other advanced mathematics classes.)

COLLEGE ALGEBRA**No. MAT700/701**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: Yes R: No
Prerequisite: Earn a C or better in both semesters of Algebra 2; Recommended ACT Math score of 21; 3.0 GPA

College credit available through WSU Tech

Course Emphasis: Sets of numbers, equations, inequalities, fundamentals of algebra, linear functions, quadratic functions, exponential and logarithmic functions, linear systems, matrices, determinants, sequences and series. College Algebra will include material normally presented in a semester college course.

WSU Tech minimum requirements at time of printing are ALEKS PPL 46+ or ACT Math 22+ or Algebra 2 with A or B and 3.25 GPA. Check with them for updated requirements.

MATH 3**No. MAT710/711**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: No NCAA: No R: No
Prerequisite: Algebra 1 and one other math credit

Course Emphasis: Math applications focusing on the application of algebraic and geometry concepts. Some topics include banking, revolving credit installment debt, and taxes.

PRE CALCULUS**No. MAT790/791**

Length: 1 Year Credit: 1 Grade: 9-10-11-12 Fee: No NCAA: Yes R: No
Prerequisite: Algebra 2; Recommended ACT Math score of 24; 3.0 GPA for college credit

College credit available through Newman Univ. See university guidelines.

Course Emphasis: Ordered fields and deductive proofs, mathematical induction, convergence of sequences and series, vectors, complex number, plane analytic geometry of points and lines, polynomial functions and their graphs, limits of functions, application of the derivative, circular and trigonometric functions, exponential and logarithmic functions, polar coordinates and solution of triangles. Students will learn how to use the computer and graphing calculator to solve various problems. (Should be taken by college bound students who have an interest in math and science or related fields such as business, medicine, computer science or engineering.)

ADVANCED PLACEMENT STATISTICS**No. MAT792/793**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: Yes R: No
Prerequisite: Algebra 2; Recommended ACT Math score of 21; 3.0 GPA for college credit

College credit available through Newman Univ. See university guidelines.

Course Emphasis: The purpose of this course is to introduce students to major concepts related to exploring data, sampling and experimentation, anticipating patterns using probability and simulation, and statistical inference. Technology will be an integral part of the course as students will use TI-Nspire graphing calculators. AP Statistics is a two-semester course that provides college-level work in statistics.

ADVANCED PLACEMENT CALCULUS AB**No. MAT890/891**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: Yes R: No
Prerequisite: Pre Calculus; Recommended ACT Math score of 24; 3.0 GPA for college credit

College credit available through Newman Univ. See university guidelines.

Course Emphasis: Review of functions and their limits, application of the derivative--Rolle's Theorem, integration--area under a curve, applications of definite integral, derivatives of trigonometric functions and their inverses, derivatives of exponential and logarithmic functions, methods of integration, plane analytic geometry. Students will learn how to use the computer and graphing calculator to solve various problems.

PERFORMING ARTS

Course Offerings by Grade Level

Course	Credit	9th	10th	11th	12th	Prerequisite
Band, Concert	1.0	✓	✓	✓	✓	Completion of Band in the previous year with C or better; Instructor Approval
Band, Varsity	1.0	✓	✓	✓	✓	Completion of Band in the previous year with C or better; Instructor Approval
Jazz Ensemble 1 and 2	1.0	✓	✓	✓	✓	Concurrent enrollment in Varsity Band or Orchestra; Instructor Approval
Philharmonic Orchestra	1.0		✓	✓	✓	Audition
Symphony Orchestra	1.0	✓	✓	✓	✓	3 years of experience; Instructor Approval
Chorales (Women)	1.0	✓	✓	✓	✓	None
Men's Chorus	1.0	✓	✓	✓	✓	None
Bel Canto (Women)	1.0		✓	✓	✓	Audition
Madrigals (Mixed)	1.0		✓	✓	✓	Audition
Philharmonic Choir (Mixed)	1.0		✓	✓	✓	Audition
Acting 1	0.5	✓	✓	✓	✓	None
Acting 2	0.5	✓	✓	✓	✓	Acting 1
Acting 3	0.5		✓	✓	✓	Acting 1
Repertory Theatre	0.5		✓	✓	✓	Acting 3; Instructor Approval
Theatre Technology	1.0		✓	✓	✓	Instructor Approval
AP Music Theory	1.0		✓	✓	✓	Current enrollment in a music performance course; Instructor Approval

Instrumental Music

Students will receive information at the beginning of each year, which will contain expectations as well as all performance dates. If a student feels that he/she will be unable to meet the expectations or performances, they will be given the opportunity to enroll in another class. Unmet expectations and missed performances will be reflected in the student's grade. **Band or orchestra instrument rental fee is \$35.**

BAND, CONCERT

No. MUS510/511

Length: 1 Year Credit: 1 Grade: 9-10-11-12 Fee: No NCAA: No R: Yes

Prerequisite: Successful completion of band previous year (final grade of 70% or better) or Instructor Approval

Course Emphasis: Students will learn about music through practice and performance on a wind or percussion instrument. This band will perform several public concerts. Attendance is required at all performances.

BAND, VARSITY

No. MUS520/521

Length: 1 Year Credit: 1 Grade: 9-10-11-12 Fee: \$8 NCAA: No R: Yes

Prerequisite: Successful completion of band previous year (final grade of 70% or better) or Instructor Approval

Course Emphasis: Students will learn about music through practice and performance on a wind or percussion instrument. This course is open to wind or percussion students grades nine through twelve. Incoming Freshmen must audition to be a part of this ensemble. First nine weeks the group will focus on marching band, which will include performances at all home football games, parades, and marching festivals. Students will receive 1/2 credit for time devoted to band practice during the month of August and zero hour, if expectations are met. After the marching season the total membership is split into two separate groups, symphonic band and concert band. Performances during concert season will include several high school band concerts, as well as clinics and participation in the State music festival. Selected students will also perform with the high school orchestra. Attendance is required at all performances.

JAZZ ENSEMBLE 1 & 2**No. MUS530/531**

Length: 1 Year Credit: 1 Grade: 9-10-11-12 Fee: No NCAA: No R: Yes

Prerequisite: Concurrent enrollment in Varsity Band or Orchestra and Instructor Approval

Course Emphasis: Students will study the art of jazz, through practice and performance. Jazz ensemble is a select group with membership by audition only. The group will have several public performances as well as attending clinics and jazz festivals. Attendance is required at all performances.

PHILHARMONIC ORCHESTRA**NO. MUS540/541**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: No R: Yes

Prerequisite: By audition

Course Emphasis: Open to string players (violin, viola, cello, bass) who demonstrate the competencies required by the audition materials presented in Symphony Orchestra. Students will explore advanced-level musical concepts and orchestral repertoire through rehearsals, school performances, and festival performances, in addition to written and performance examinations. **The purchase of specific concert attire (all black) is required.** Attendance at all performances is mandatory. Private study is not required but highly encouraged.

SYMPHONY ORCHESTRA**No. MUS542/543**

Length: 1 Year Credit: 1 Grade: 9-10-11-12 Fee: No NCAA: No R: Yes

Prerequisite: 3 years of experience and Instructor Approval

Course Emphasis: Open to string players (violin, viola, cello, bass) with with at least three years of experience on a stringed instrument and with the consent of instructor. Students will explore intermediate-level musical concepts and orchestral repertoire through rehearsals, school performances, and festival performances, in addition to written and performance examinations. The audition materials for placement in Philharmonic Orchestra will be emphasized. Expectations include sufficient progress to justify advancement to Philharmonic Orchestra within two years or less; therefore, students in grades 11 and 12 need special permission from the instructor to participate in Symphony Orchestra. The purchase of specific concert attire (all black) will be required. Attendance at all performances is mandatory. Private study is not required but is highly encouraged.

Vocal Music

A list of performances will be provided the first week of school. Absences at the required performances will be reflected in the nine weeks and/or semester grade. Students in Madrigals are responsible for the purchase of their formal attire.

CHORALAIRES (Women)**No. MUS560/561**

Length: 1 Year Credit: 1 Grades: 9-10-11-12 Fee: \$8 NCAA: No R: Yes

Prerequisite: None

Course Emphasis: Vocal training in singing, music literacy, and sight-reading for advanced work in an auditioned choir. This group will sing in all school concerts.

MEN'S CHORUS**No. MUS570/571**

Length: 1 Year Credit: 1 Grade: 9-10-11-12 Fee: \$8 NCAA: No R: Yes

Prerequisite: None

Course Emphasis: Vocal training in singing, music literacy, and sight-reading for advanced work in an auditioned choir. This group will sing in all school concerts.

BEL CANTO (Women)**No. MUS640/641**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: \$8 NCAA: No R: Yes

Prerequisite: Members chosen by audition during the previous year

Course Emphasis: This select group will perform publicly in contests and concerts.

MADRIGALS (Mixed)**No. MUS660/661**

Length: 1 Year Credit: 1 Grades: 10-11-12 Fee: No NCAA: No R: Yes

Prerequisite: Members chosen by audition during the previous year**Seniors planning to graduate at semester should not audition**

Course Emphasis: This select mixed vocal ensemble will perform publicly in contests, concerts, and out of state festivals. Students should also be enrolled in Philharmonic Choir. Exceptions must be approved by the instructor.

PHILHARMONIC CHOIR (Mixed)**No. MUS670/671**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: \$8 NCAA: No R: Yes

Prerequisite: Members chosen by audition**Course Emphasis:** Activities of this large choir will include singing advanced music at concerts and contest. Sophomore and Junior girls who are not enrolled in Madrigals must also be enrolled in Bel Canto.*Acting/Drama***ACTING 1****No. COM510**

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: No R: No

Prerequisite: None**Course Emphasis:** Brief introduction to vocal and movement techniques, improvisation techniques and mime. Study of the responsibilities of various theatre personnel and practices of the contemporary stage. Also, fundamental development of the actor's physical, mental and emotional resources.**ACTING 2****No. COM512**

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: No R: No

Prerequisite: Acting 1**Course Emphasis:** Survey of dramatic principles, theatre history and the various types of drama. Oral interpretation, role analysis, and characterization for the beginning actor. Emphasis on scene work.**ACTING 3****No. COM614/615**

Length: 1 Semester/1 Year Credit: ½ or 1 Grade: 10-11-12 Fee: No NCAA: No R: No

Prerequisite: Acting 1**Course Emphasis:** Exposure to more difficult and involved acting techniques. Research and analysis for role creation with emphasis on the study of various styles and periods of drama. In depth study of costuming, makeup and other technical aspects of theatre.**REPERTORY THEATRE****No. COM616/617**

Length: 1 Semester/1 Year Credit: ½ or 1 Grade: 10-11-12 Fee: No NCAA: No R: Yes

Prerequisite: Acting 3 and Instructor Approval**Course Emphasis:** Production and performance in Derby Repertory Theatre Productions. Development of advanced theatre techniques in both acting and technical areas. Repeatable for credit.**THEATRE TECHNOLOGY****No. COM618/619**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: No R: Yes

Prerequisite: Instructor Approval**Course Emphasis:** Designed for students interested in technical theatre. Concentration on set design, construction, lighting techniques, costuming, and makeup. Students must realize this course will require after school lab time. Repeatable for credit.**ADVANCED PLACEMENT MUSIC THEORY****No. MUS602/603**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: No R: No

Prerequisite: Current enrollment in a music performance course or Instructor Approval**Course Emphasis:** Introduces the student to college-introductory level musicianship, theory, musical materials, and procedures. It integrates aspects of melody, harmony, texture, rhythm, form, musical analysis, elementary composition, and, to some extent, history and style. Musicianship skills such as dictation and other listening skills, sight-singing, and keyboard harmony are considered an important part of the theory course.

PHYSICAL EDUCATION

Course Offerings by Grade Level

Course	Credit	9th	10th	11th	12th	Prerequisite
Physical Education 1	0.5	✓	✓			None
Advanced Physical Education	0.5		✓	✓	✓	Pass PE 1
Strength and Conditioning	0.5	✓	✓	✓	✓	None
Weight Training (Female)	0.5	✓	✓	✓	✓	None
Weight Training (Male)	0.5	✓	✓	✓	✓	None
Lifetime Fitness	0.5	✓	✓	✓	✓	None

PHYSICAL EDUCATION 1

No. PED512/513

Length: 1 Semester Credit: ½ Grade: 9-10 Fee: No NCAA: No R: Yes

Prerequisite: None

Course Emphasis: This course is designed to introduce students to a variety of sports and fitness activities .

Emphasis is on participation, fitness, safety, sports rules and strategies, leadership and sportsmanship.

Level of Difficulty: Beginning

ADVANCED PHYSICAL EDUCATION

No. PED514/515

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: No R: Yes

Prerequisite: Passing grade in P.E. 1

Course Emphasis: This course will allow students to gain a deeper knowledge of and greater participation in selected sports and fitness activities.

Level of Difficulty: Moderate

STRENGTH AND CONDITIONING

No. PED530/531

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: No R: Yes

Prerequisite: None

Course Emphasis: This course will introduce DHS student-athletes to all the aspects of strength and conditioning training. Emphasis is on participation, fitness and safety. Instructors will break down lifting, running, and jumping techniques. Leadership and sportsmanship skills are emphasized in this class.

Level of Difficulty: Moderate

WEIGHT TRAINING

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: No R: Yes

Prerequisite: None

Course Emphasis: This course is designed for any student wanting to learn how to lift weights and improve their strength and endurance. Emphasis is placed on general strength development, flexibility, cardiovascular fitness, and muscle toning.

Level of Difficulty: Moderate

FEMALE

No. PED540 - First Semester

No. PED541 - Second Semester

MALE

No. PED550 - First Semester

No. PED551 - Second Semester

LIFETIME FITNESS

No. PED522/523

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: \$9 NCAA: No R: Yes

Prerequisite: None

Course Emphasis: Students will be introduced to a variety of lifelong activities and exercises. Students will be exposed to physical fitness concepts and emphasis on the effect lifestyle choice plays into one's health and fitness.

There is a water fitness unit students are expected to participate in. **The course fee covers bowling.**

Level of Difficulty: Moderate

SCIENCE

Course Offerings by Grade Level

Course	Credit	9	10	11	12	Prerequisite
Biology/CM	1.0	✓	✓	✓	✓	Requires IEP team decision
Biology	1.0	✓	✓	✓	✓	None
Pre-AP Biology	1.0	✓	✓			Recommended grade of A or B in previous science class; Interest in higher level science
AP Biology	1.0			✓	✓	Pre-AP Biology or Biology and Pre-AP Chemistry or Chemistry
Environmental Science	0.5		✓	✓	✓	Biology
AP Environmental Science	1.0		✓	✓	✓	Pre-AP Biology or Biology
Zoology	0.5		✓	✓	✓	Biology
Astronomy/Meteorology/CM	0.5			✓	✓	Requires IEP team decision
Astronomy/Meteorology	0.5		✓	✓	✓	Physical Science Energy and Matter
Geology/Hydrology/CM	0.5		✓	✓	✓	Physical Science Energy/Matter & Requires IEP team decision
Geology/Hydrology	0.5		✓	✓	✓	Physical Science Energy and Matter
Physical Science - Energy/CM	0.5	✓	✓	✓	✓	Requires IEP team decision
Physical Science--Energy	0.5	✓				None
Physical Science - Matter/CM	0.5	✓	✓	✓	✓	Requires IEP team decision
Physical Science--Matter	0.5	✓	✓	✓	✓	None
Physics	1.0		✓	✓	✓	Grade of A or B in Algebra I
AP Physics 1	1.0		✓	✓	✓	Algebra 2; Recommended ACT Math score of 21; 3.0 GPA; Must meet WSU Tech minimum requirements for college credit
AP Physics 2	1.0			✓	✓	Physics or AP Physics 1; Recommended ACT Math score of 21; 3.0 GPA; Must meet WSU Tech minimum requirements for college credit
Chemistry	1.0		✓	✓	✓	Biology and C or Better in Algebra 1
Pre-AP Chemistry	1.0		✓	✓	✓	Grade of A or B in Algebra 1; Instructor Approval
AP Chemistry	1.0			✓	✓	Chemistry or Pre-AP Chemistry, 3.0 GPA recommended; Must meet WSU Tech minimum requirements for college credit
Principles of Biomedical Science	1.0	✓	✓	✓	✓	Application Process - See DHS Student Services
Human Body Systems	1.0		✓	✓	✓	Principles of Biomedical Science
Medical Interventions	1.0			✓	✓	Prin. of Biomedical Science and Human Body Systems
Biomedical Innovation	1.0			✓	✓	Prin. of Biomedical Science, Human Body Systems and Medical Interventions

Biological Sciences

BIOLOGY, CM

No. SCI104/105

Length: 1 Year

Credit: 1

Grade: 9-10-11-12

Fee: No

NCAA: Yes

R: No

Prerequisite: **Requires IEP team decision**

Course Emphasis: Through this curriculum modified science class, students will learn the survey of the major topics of life, including Scientific Inquiry, biochemistry, cell structure and function, genetics, evolution and classification, and ecology. This course is required for graduation.

Students will demonstrate:

- *The creation and interpretation of graphs, math computation for evaluation of data
- *The use of science equipment, prior knowledge of basic Chemistry concepts, and SI units of measurement
- *Writing lab reports in the form of Claim, Evidence, and Reasoning

BIOLOGY

No. SCI540/541

Length: 1 Year

Credit: 1

Grade: 9-10-11-12

Fee: No

NCAA: Yes

R: No

Prerequisite: None

Course Emphasis: Survey of the major topics of life, including Scientific Inquiry, biochemistry, cell structure and function, genetics, evolution and classification, and ecology. This course is required for graduation.

Students will demonstrate:

- *The creation and interpretation of graphs, math computation for evaluation of data
- *The use of science equipment, prior knowledge of basic Chemistry concepts, and SI units of measurement
- *Writing lab reports in the form of Claim, Evidence, and Reasoning

PRE-AP BIOLOGY**No. SCI542/543**

Length: 1 Year Credit: 1 Grade: 9-10 Fee: No NCAA: Yes R: No

Prerequisite: Recommended grade of A or B in previous science course(s)

Course Emphasis: All topics of the regular biology course will be covered in much greater depth and at a faster pace. This is a fast-paced course for the motivated student who has a strong work ethic and desire to learn. This course will emphasize a strong inquiry-based lab approach. This is a recommended prerequisite for students who intend to take AP Biology.

Students will demonstrate:

- The use of basic and advanced scientific equipment, of prior knowledge of Chemistry concepts, of SI units of measurement, and of basic format and composition of formal lab reports.
- The ability to read and analyze scientific papers, utilize spreadsheets to collect and analyze data, and to follow lab protocols independently to obtain results.
- The use of statistics to analyze data and make predictions. (Chi-Square, T-test, Hardy-Weinberg, etc...)

AP-BIOLOGY**No. SCI892/893**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: No NCAA: Yes R: No

Prerequisite: Biology and Chemistry

Course Emphasis: AP Biology is an introductory college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, energy and communication, genetics, information transfer, ecology, and interactions.

- Solid understanding of the concepts and lab skills taught in Biology and Chemistry.
 - Basic experience in using a microscope.
 - Ability to analyze qualitative and quantitative data.
 - Ability to communicate, both orally and as a written report, the significance of a lab investigation.
- Students are expected to take the Advanced Placement Biology Exam in May.

ENVIRONMENTAL SCIENCE**No. SCI600**

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Biology

Course Emphasis: This integrated course focuses on the interactions between humans and the environment. Emphasis will be upon the social, political, historical, and cultural impacts on the environment. Students will increase their knowledge of the major types of pollution, climate change, biodiversity, soil, agriculture, and population growth while working on field related activities and laboratory experiments. Students will demonstrate:

- Understanding of biological principles, presented in Biology 1;
- Understanding of general concepts in chemistry, geology, and statistics.
- Ability to analyze qualitative and quantitative data; and
- Ability to communicate both orally and in written reports.

AP-ENVIRONMENTAL SCIENCE**No. SCI602/603**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: ? R: No

Prerequisite: Biology

Course Emphasis: The AP Environmental Science course is an introductory college-level environmental course. The course is interdisciplinary; it embraces a wide variety of topics from different areas of study. A strong emphasis is placed on science, stewardship and sustainability. Students will analyze local, regional and global environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. **Students are expected to take the Advanced Placement Environmental Science examination in May.**

ZOOLOGY**No. SCI620**

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Biology

Course Emphasis: This course is an accelerated pace, laboratory intensive, advanced Biology class, comparing and contrasting the characteristics of animals to better understand the classification of groups. It will involve the study of morphology, physiology, taxonomy and the evolution of the Invertebrate and Vertebrate phyla. Students will apply basic principles from Biology 1, knowledge of lab procedures, microscopy, and dissection techniques.

Earth Sciences

ASTRONOMY/METEOROLOGY, CM

No. SCI109

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: No NCAA: Yes R: No

Prerequisite: Requires IEP team decision

Course Emphasis: Through this curriculum modified science class, students will learn about the composition and effects of the atmosphere (weather). They will investigate our solar system, universe and the continuing study of space via exploration. Course outcomes and objectives include: recognition of the global impact of the atmosphere and weather, differentiation of planets and other objects in our solar system, learning about the history and organization of the universe, identification of advancements in space travel, and investigation of other discoveries in science and technology.

ASTRONOMY/METEOROLOGY

No. SCI520

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Physical Science - Energy and Physical Science - Matter

Course Emphasis: Students will learn about the composition and effects of the atmosphere (weather). They will investigate our solar system, universe and the continuing study of space via exploration. Course outcomes and objectives include: recognition of the global impact of the atmosphere and weather, differentiation of planets and other objects in our solar system, learning about the history and organization of the universe, identification of advancements in space travel, and investigation of other discoveries in science and technology.

GEOLOGY/HYDROLOGY, CM

No. SCI110

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Physical Science Energy/Matter & Requires IEP team decision

Course Emphasis: This curriculum-modified course is an introduction to Physical Geology and the connections between all of Earth's major systems, including how humans interact with these systems. Students will gain an understanding of the various processes that shape and alter the planet, and the role that water plays in these processes.

Topics will include mapping, minerals, rocks, geologic time, energy resources, plate tectonics, landforms, water and water resources. Students will demonstrate basic lab skills, the ability to analyze and interpret qualitative and quantitative data, and a general knowledge of chemistry and biology.

GEOLOGY/HYDROLOGY

No. SCI530

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Physical Science Energy/Matter

Course Emphasis: This course is an introduction to Physical Geology and the connections between all of Earth's major systems, including how humans interact with these systems. Students will gain an understanding of the various processes that shape and alter the planet, and the role that water plays in these processes.

Topics will include mapping, minerals, rocks, geologic time, energy resources, plate tectonics, landforms, water and water resources. Students will demonstrate basic lab skills, the ability to analyze and interpret qualitative and quantitative data, and a general knowledge of chemistry and biology.

Physical Sciences

PHYSICAL SCIENCE - ENERGY, CM

No. SCI100

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: ? R: No

Prerequisite: Requires IEP team decision

Course Emphasis: Curriculum modified science class where students will learn basic Physics skills and knowledge fundamental to all sciences. This course will use science investigation, measurement in the Metric System, and data in the creation and interpretation of graphs throughout the semester. Topics will include laws of energy, laws of motion, nature of sound, and nature of light. Students will use basic math skills and entry-level Algebra 1 to solve problems.

PHYSICAL SCIENCE - ENERGY

No. SCI500

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: None

Course Emphasis: Students will learn basic Physics skills and knowledge fundamental to all sciences. This course will use science investigation, measurement in the Metric System, and data in the creation and interpretation of graphs throughout the semester. Topics will include laws of energy, laws of motion, nature of sound, and nature of light. Students will use basic math skills and entry-level Algebra 1 to solve problems.

PHYSICAL SCIENCE - MATTER, CM**No. SCI102**

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: ? R: No

Prerequisite: Requires IEP team decision

Course Emphasis: Students will learn basic Chemistry skills and knowledge fundamental to all sciences. This course will use science investigation, measurement in the Metric System, and data in the creation and interpretation of graphs throughout the semester. Topics will include the structure of the atom; types of elements and their symbols; the Periodic Table; the types of chemical compounds and how they bond; and the states and the classification of matter. Students will use basic math skills and entry-level Algebra 1 to solve problems.

PHYSICAL SCIENCE - MATTER**No. SCI510**

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: None

Course Emphasis: Students will learn basic Chemistry skills and knowledge fundamental to all sciences. This course will use science investigation, measurement in the Metric System, and data in the creation and interpretation of graphs throughout the semester. Topics will include the structure of the atom; types of elements and their symbols; the Periodic Table; the types of chemical compounds and how they bond; and the states and the classification of matter. Students will use basic math skills and entry-level Algebra 1 to solve problems.

PHYSICS**No. SCI700/701**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Algebra 1

Course Emphasis: This course is offered for concurrent credit through WSU Tech. Students can receive five credit hours for taking this course. This class aligns with a college physics class. The class covers topics such as dynamics, kinematics, momentum, energy, work, waves and sound.

Topics include 1-D and 2-D motion and forces, momentum, energy, waves, sound and light.

Students will:

- * perform laboratory and technological activities intensively.
- * apply mathematics such as graphing skills, basic algebra, geometry, and trigonometry to understand and describe relationships between variables.
- * further develop and understanding of basic concepts of physics as well as analytical and problem-solving skills

AP PHYSICS 1**No. SCI790/791**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Algebra 2; Recommended ACT Math score of 21 and 3.0 GPA for college credit

Students may elect to take the Advanced Placement Physics 1 examination or opt to earn five college credits concurrently from WSU Tech.

Course Emphasis: This course is offered for concurrent credit through WSU Tech. Students can receive five credit hours for taking this course. This class aligns with a college physics class. It is at an accelerated pace and is math-intensive. Students will apply mathematics, such as graphing skills, Algebra, Geometry, and Trigonometry, to understand and describe the relationships between variables. The class performs laboratory and technology activities almost daily, and regular attendance is important. The class covers topics such as dynamics, kinematics, momentum, energy, work, waves and sound.

WSU Tech minimum requirements at time of printing are ALEKS PPL 46+ or ACT Math 22+ or Algebra 2 with A or B and 3.25 GPA. Check with them for updated requirements.

AP PHYSICS 2**No. SCI890/891**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: No NCAA: Yes R: No

Prerequisite: Physics or AP Physics 1; Recommended ACT math score of 21 and 3.0 GPA for college credit

Students may elect to take the Advanced Placement Physics 2 examination or opt to earn five college credits concurrently from WSU Tech.

Course Emphasis: This course is a continuation of AP Physics 1. This course is offered for concurrent credit through WSU Tech. Students can receive five credit hours for taking this course. This class aligns with a second semester college physics class. Students will apply mathematics, such as graphing skills, Algebra, Geometry, and Trigonometry, to understand and describe the relationships between variables. The class performs laboratory and technology activities almost daily, and regular attendance is important. The class covers topics such as light, mirrors, lenses, electricity, magnetism, electromagnetism, quantum theory, and an introduction to modern physics.

WSU Tech minimum requirements at time of printing are ALEKS PPL 46+ or ACT Math 22+ or Algebra 2 with A or B and 3.25 GPA. Check with them for updated requirements.

CHEMISTRY**No. SCI630/631**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Biology and C or better in Algebra 1

Course Emphasis: Students will use the Metric System of measurement, laboratory skills, and science processing methods throughout the year. Students will learn the names and the symbols for elements, ions, compounds, and chemical equations. Other topics of study will include detailed structures of the atom, nuclear events, the Periodic Table, the theories for chemical bonding, the mole concept, and the principles of chemical reactions. Students will do problem solving, involving mathematics, such as, graphing, powers of ten, Algebra 1, Geometry, proportions, ratios, and logarithms. Chemistry 1 is an elective science course and is not required for graduation, but is considered an important preparation for taking college sciences later.

PRE-AP CHEMISTRY**No. SCI794/795**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Grade of A or B in Algebra 1; Instructor Approval

Course Emphasis: Pre-AP chemistry is designed to support all motivated students across varying levels of readiness. Pre-AP chemistry is not an honors course or an advanced course. All topics of the regular chemistry course will be covered in this course. This course will emphasize a strong inquiry-based lab approach. This is a recommended prerequisite for students who intend to take AP Chemistry.

AP CHEMISTRY**No. SCI792/793**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: No NCAA: Yes R: No

Prerequisite: Chemistry: 3.0 GPA for college credit recommended

Students may elect to take the Advanced Placement Chemistry examination or opt to earn five college credits concurrently from WSU Tech.

Course Emphasis: This course uses a first-year College Chemistry textbook, expands the topics covered in Chemistry 1, and introduces Biochemistry, Chemical Equation dynamics, and Qualitative Analysis. Students will do an increased amount of work for activities and for laboratories. Students will continue to use the mathematics done in Chemistry 1, and include natural logarithms and the quadratic equation.

WSU Tech minimum requirements at time of printing are ALEKS PPL 46+ or ACT Math 22+ or Algebra 2 with A or B and 3.25 GPA. Check with them for updated requirements.

*Biomedical Sciences***PRINCIPLES OF BIOMEDICAL SCIENCE****No. BMS500/501**

Length: 1 Year Credit: 1 Grade: 9-10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Application Process - See DHS Student Services

Course Emphasis: Students investigate various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, and research processes. This course provides an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses.

HUMAN BODY SYSTEMS**No. BMS600/601**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Principles of Biomedical Science

Course Emphasis: *Counts as Human Anatomy and Physiology by state of Kansas.* Students examine the interactions of human body systems as they explore identity, power, movement, protection, and homeostasis. Students design experiments, investigate the structures and functions of the human body, and use data acquisition software to monitor body functions such as muscle movement, reflex and voluntary action, and respiration. Exploring science in action, students build organs and tissues on a skeletal manikin, work through interesting real world cases and often play the roles of biomedical professionals to solve medical mysteries.

MEDICAL INTERVENTIONS**No. BMS700/701**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: No NCAA: Yes R: No

Prerequisite: Principles of Biomedical Science and Human Body Systems or Biology

Course Emphasis: Students investigate a variety of interventions involved in the prevention, diagnosis, and treatment of disease as they follow the life of a fictitious family. The course is a “how to” manual for maintaining overall health and homeostasis in the body. Students explore how to prevent and fight infection; screen and evaluate the code in human DNA; prevent, diagnose, and treat cancer; and prevail when the organs of the body begin to fail. Through these scenarios, students are exposed to a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices, and diagnostics. Students may need to have transportation during the course to do outside work.

BIOMEDICAL INNOVATION**No. BMS800/801**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: No NCAA: Yes R: No

Prerequisite: Principles of Biomedical Science and Human Body Systems and Medical Intervention

Course Emphasis: In this capstone course, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing medical health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. They have the opportunity to work on an independent design project with a mentor or advisor from the medical field. Students completing the biomedical sciences program will gain valuable practical skills that will serve them well in any future medical field.

SOCIAL STUDIES

Course Offerings by Grade Level

Course	Credit	9th	10th	11th	12th	Prerequisite
Global Geography/CM	0.5	✓	✓	✓	✓	<u>Requires IEP team decision</u>
Global Geography	0.5	✓	✓	✓	✓	None
Ancient World History	0.5	✓	✓	✓	✓	None
World History 1450-1815/CM	0.5		✓	✓	✓	<u>Requires IEP team decision</u>
World History 1450-1815	0.5		✓	✓	✓	None
World History 1815-Present/CM	0.5		✓	✓	✓	<u>Requires IEP team decision</u>
World History 1815-Present	0.5		✓	✓	✓	None
AP European History	1.0		✓	✓	✓	Language Arts/ Social Studies teacher recommendation
Sociology	0.5		✓	✓	✓	None
U.S. History 1890-1940/CM	0.5			✓	✓	<u>Requires IEP team decision</u>
U.S. History 1890-1940	0.5			✓	✓	None
U.S. History 1940-Present	0.5			✓	✓	<u>Requires IEP team decision</u>
U.S. History 1940-Present	0.5			✓	✓	None
College U.S. History	1.0			✓	✓	3.0 GPA
AP US History	1.0			✓	✓	Language Arts/ Social Studies Instructor Recommendation
Psychology	0.5			✓	✓	None
College Psychology	0.5			✓	✓	2.7 GPA
AP Psychology	1.0			✓	✓	See course description
U.S. Government	0.5				✓	None
U.S. Government/CM	0.5				✓	<u>Requires IEP team decision</u>
AP U.S. Government	0.5				✓	2.7 GPA for college credit recommended
AP Research	1.0			✓	✓	AP Seminar
Introduction to Law, Public Safety, Corrections and Security	0.5	✓	✓	✓	✓	None
Law Enforcement 1	1.0		✓	✓	✓	Introduction to Law, Public Safety, Corrections, and Security
Law Enforcement 2	1.0			✓	✓	Law Enforcement 1

GLOBAL GEOGRAPHY, CM

No. SOC174

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: **Requires IEP team decision**

Course Emphasis: Through this curriculum-modified course, students will develop skills and knowledge about location, place, human/environmental interaction, movement, and regions, comparing and contrasting these themes in their studies of the continents. Special attention will be given to the most essential skills and knowledge of the discipline focusing on geographic habits of mind to promote higher level thinking and problem solving.

GLOBAL GEOGRAPHY

No. SOC500

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: None

Course Emphasis: Students will develop skills and knowledge about location, place, human/environmental interaction, movement, and regions, comparing and contrasting these themes in their studies of the continents. Special attention will be given to the most essential skills and knowledge of the discipline focusing on geographic habits of mind to promote higher level thinking and problem solving.

ANCIENT WORLD HISTORY

No. SOC530

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: None

Course Emphasis: Students will explore the economic, social, and political developments of the ancient civilizations of Mesopotamia, Egypt, India, China, Japan, Greece, Rome, and the Islamic World. This course is an elective and does not fulfill the graduation requirement of World History SOC600 and SOC610.

WORLD HISTORY 1450-1815, CM**No. SOC100**

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: ? R: No

Prerequisite: Requires IEP team decision

Course Emphasis: Through this curriculum-modified class, students will gain a working knowledge and understanding of significant individuals, groups, ideas, events, eras, and developments in world history from the Renaissance and Reformation, the Global Age of Exploration (1400-1750) through the Age of Revolutions (1650-1815).

WORLD HISTORY 1450-1815**No. SOC600**

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: None

Course Emphasis: Students will gain a working knowledge and understanding of significant individuals, groups, ideas, events, eras and developments in world history from the Renaissance and Reformation, the Global Age of Exploration (1400-1750) through the Age of Revolutions (1650-1815).

WORLD HISTORY 1815-PRESENT, CM**No. SOC102**

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: ? R: No

Prerequisite: Requires IEP team decision

Course Emphasis: Through this curriculum-modified course, students will gain a working knowledge and understanding of significant individuals, groups, ideas, events, eras, and developments in world history from the Industrial Revolution (1815) through the World Wars (1914-1918, 1939-1945), and into the global struggle that consumed the second half of the 20th Century.

WORLD HISTORY 1815-PRESENT**No. SOC610**

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: None

Course Emphasis: Students will gain a working knowledge and understanding of significant individuals, groups, ideas, events, eras and developments in world history from the Industrial Revolution (1815) through the World Wars (1914-1918, 1939-1945), and into the global struggle that consumed the second half of the 20th Century.

AP EUROPEAN HISTORY**No. SOC690/691**

Length: 1 Year Credit: 1 Grade 10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Language Arts/Social Studies teacher recommendation

Course Emphasis: The content of the course is designed to meet the needs of students who wish to study modern European history in depth. Content will include 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 enrolling in this course should have demonstrated high level reading and writing skills, strong analytical skills and an ability to work with a minimum of teacher supervision. Requirements may include a major research assignment, additional readings on special topics, and essay assignments. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the Advanced Placement European History program. The desired goal is that students who take this course will take the AP exam. (NOTE: The score earned on an Advanced Placement exam will have no bearing on the grade earned in an Advanced Placement class.)

SOCIOLOGY**No. SOC630**

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: None

Course Emphasis: Students will examine five institutions--family, religion, economics, government, and education--to determine the impact they have upon creating, molding, and perpetuating group behavior in American society. Particular attention will be given to characteristics of student group behavior.

UNITED STATES HISTORY 1890-1940, CM**No. SOC104**

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: No NCAA: ? R: No

Prerequisite: Requires IEP team decision

Course Emphasis: This curriculum-modified course focuses on the period of American history from the rise of the United States as an industrial giant through the Great Depression and the New Deal, including issues and events of the Nineteenth Century as they impacted the Twentieth Century. Instruction will include integration of historical thinking skills along with concepts and principles from economics, geography, civics/government, and the humanities.

UNITED STATES HISTORY 1890-1940**No. SOC700**

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: No NCAA: Yes R: No
Prerequisite: None

Course Emphasis: This required course focuses on the period of American history from the rise of the United States as an industrial giant through the Great Depression and the New Deal, including issues and events of the Nineteenth Century as they impacted the Twentieth Century. Instruction will include integration of historical thinking skills along with concepts and principles from economics, geography, civics/government, and the humanities.

UNITED STATES HISTORY 1940-PRESENT, CM**No. SOC106**

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: No NCAA: ? R: No
Prerequisite: Requires IEP team decision

Course Emphasis: This curriculum-modified course focuses on American history from World War II throughout the Cold War Era and will explore key events such as the struggle for Civil Rights, the presidencies of Eisenhower, Kennedy, and Johnson, and the Vietnam War. Instruction will include the integration of historical thinking skills along with concepts and principles from economics, geography, civics/government, and the humanities.

UNITED STATES HISTORY 1940-PRESENT**No. SOC711**

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: No NCAA: Yes R: No
Prerequisite: None

Course Emphasis: This required course focuses on American history from World War II throughout the Cold War Era and will explore key events such as the struggle for Civil Rights, the presidencies of Eisenhower, Kennedy, and Johnson, and the Vietnam War. Instruction will include integration of historical thinking skills along with concepts and principles from economics, geography, civics/government, and the humanities.

COLLEGE UNITED STATES HISTORY**No. SOC 792/793**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: No NCAA: Yes R: No
Prerequisite: 3.0 GPA **College credit available through WSU Tech**

Course Emphasis: College U.S. History is a concurrent credit college-level introductory course. Students will examine our nation's intellectual, artistic, political, economic, and social history beginning with colonization through the Civil War during first semester, and the Reconstruction Era to the present during second semester. A variety of instructional approaches are utilized and a college level textbook is supplemented by primary and secondary sources. This course will count for the required U.S. History credit for Derby High School.

AP UNITED STATES HISTORY**No. SOC790/791**

Length: 1 Year Credit: 1 Grade: 11-12 Fee: No NCAA: Yes R: No
Prerequisite: Language Arts/Social Studies teacher recommendation

Course Emphasis: Advanced Placement U.S. History is a college-level introductory course which examines the nation's political, diplomatic, intellectual, cultural, social, and economic history from colonization to the present. A variety of instructional approaches are employed and a college level textbook is supplemented by primary and secondary sources. The content of the course is designed to meet the needs of students who wish to study U.S. history in depth. Students enrolling in this course should have demonstrated high level reading and writing skills, strong analytical skills and an ability to work with a minimum of teacher supervision. Requirements may include a major research assignment, additional readings on special topics, and essay assignments. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the AP U.S. History program. The desired goal is that students who take this course will take the AP exam. (NOTE: The score earned on an AP exam will have no bearing on the grade earned in an AP class.)

PSYCHOLOGY**No. SOC720**

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: No NCAA: Yes R: No
Prerequisite: None

Course Emphasis: 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.

COLLEGE PSYCHOLOGY**No. SOC722**

Length: 1 Semester Credit: ½ Grade: 11-12 Fee: No NCAA: Yes R: No

Prerequisite: 2.7 GPA; Language Arts/Social Studies teacher recommendation**The expectation is that students who take this course will enroll for concurrent credit through WSU Tech.**

Course Emphasis: 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.

AP PSYCHOLOGY**No. SOC786/787**

Length: 1 year Credit: 1 Grade: 11-12 Fee: No NCAA: Yes R: No

Prerequisite: Language Arts/Social Studies teacher recommendation

AP Psychology is a college level introductory course designed to teach human behavior and processes that take place in the brain. The course consists of nine distinct units that are broken down into smaller topics within each unit. The nine units are Scientific Foundations of Psychology; Biological Bases of Behavior; Sensation and Perception; Learning; Cognitive Psychology; Developmental Psychology; Motivation, Emotion, and Personality; Clinical Psychology, and Social Psychology. Students will examine a variety of Psychology topics through the use of a college level Psychology book, various course readings and experiments, and an in depth research assignment and case study. The content of the course and examinations will follow the guidelines of the College Entrance Examination Board and the AP Psychology program. The desired goal is that students who take this course will take the AP exam. (NOTE: The score earned on an AP exam will have no bearing on the grade earned in an AP class.)

UNITED STATES GOVERNMENT, CM**No. SOC108**

Length: 1 Semester Credit: ½ Grade: 12 Fee: No NCAA: Yes R: No

Prerequisite: Requires IEP team decision

Course Emphasis: This curriculum-modified course will focus on the major political institutions in Washington D.C., the Presidency, the Supreme Court, and Congress. Units of study will include Public Opinion and Political Participation, Political Parties, Elective and Voting Processes, Civil and Criminal Law, Overview of the United States and Kansas Constitution. The United States Government course is required by the State of Kansas for graduation from high school.

UNITED STATES GOVERNMENT**No. SOC800**

Length: 1 Semester Credit: ½ Grade: 12 Fee: No NCAA: Yes R: No

Prerequisite: None

Course Emphasis: This course will focus on the major political institutions in Washington D.C., the Presidency, the Supreme Court, and Congress. Units of study will include Public Opinion and Political Participation, Political Parties, Elective and Voting Processes, Civil and Criminal Law, Overview of the United States and Kansas Constitution. The United States Government course is required by the State of Kansas for graduation from high school.

AP UNITED STATES GOVERNMENT**No. SOC890**

Length: 1 Semester Credit: ½ Grade: 12 Fee: No NCAA: Yes R: No

Prerequisite: Language Arts/Social Studies teacher recommendation; 2.7 GPA**College credit available through WSU Tech**

Course Emphasis: This course is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with problems and materials in United States Government. It will prepare students for intermediate and advanced level college courses by making demands upon them equivalent to those of an introductory college course.

INTRODUCTION TO LAW, PUBLIC SAFETY, CORRECTIONS AND SECURITY**No. LPS500**

Length: 1 Semester Credit: ½ Grade: 9-10-11-12 Fee: No NCAA: No R: No

Prerequisite: None

Course Emphasis: An introductory course designed to provide students with knowledge of occupations available in the Law, Public Safety and Security fields and introduce them to the legal system, professional conduct, safety, and types of crime.

LAW ENFORCEMENT 1**No. LPS600/601**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: No R: No

Prerequisite: Introduction to Law, Public Safety, Corrections, and Security

Course Emphasis: This course is a continuation of Introduction to Law and Public Safety. Students will be exposed to multiple aspects of law enforcement, including courtroom and trial proceedings.

LAW ENFORCEMENT 2**No. LPS700/701**

Length: 1 Year

Credit: 1

Grade: 11-12

Fee: \$27

NCAA: No

R: No

Prerequisite: Law Enforcement 1

Course Emphasis: This 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.

AP RESEARCH (will not be taught 2025-2026)**No. LAN796/797**

Length: 1 Year

Credit: 1

Grades: 11-12

Fee: No

NCAA: No

R: No

Pre-requisites: AP Seminar

Course Emphasis: AP Research, the second course in the AP Capstone experience, allows students to deeply explore an academic topic, problem, issue, or idea of individual interest. Students design, plan, and implement a yearlong investigation to address a research question. Through this inquiry, they further the skills they acquired in the AP Seminar course by learning research methodology, employing ethical research practices, and accessing, analyzing, and synthesizing information. Students reflect on their skill development, document their processes, and curate the artifacts of their scholarly work through a process and reflection portfolio. The course culminates in an academic paper of 4,000–5,000 words (accompanied by a performance, exhibit, or product where applicable) and a presentation with an oral defense.

Successful completion of AP Research, combined with AP Seminar and scores of 3 or higher on at least 4 other AP Courses will result in the awarding of the AP Capstone Diploma.

STUDY HALL AND AIDES

Course Offerings by Grade Level						
Course	Credit	9	10	11	12	Prerequisite
Study Hall	0.25	✓	✓	✓	✓	None
Student Aide	0.25		✓	✓	✓	Teacher or Office Approval
Peer Mentor	0.5		✓	✓	✓	Teacher Approval
Library Science Internship	0.5		✓	✓	✓	Media Specialist's Approval
Office Aide Internship	0.5		✓	✓	✓	Office Approval
Counseling Office Aide Internship	0.5		✓	✓	✓	Counseling Office Approval

STUDY HALL

Length: 1 Semester Credit: ¼ Grade: 9-10-11-12 Fee: No NCAA: No R: Yes

Prerequisite: None

Course Emphasis: Students have the opportunity to complete work in a quiet environment. No homework is given. It is a place to get things done. Students may only have 1 Study Hall per semester.

Note that this course only receives 0.25 credit and does not count as a class of weight for KSHSAA eligibility. Students should also be advised that signing up for courses that only give 0.25 credit may affect a student's ability to be a 3 year or mid-term grad.

STUDENT AIDE

Length: 1 Semester Credit: ¼ Grade: 10-11-12 Fee: No NCAA: No R: Yes

Prerequisite: Teacher, Library or Office Approval

Course Emphasis: Students have the opportunity to be an aide for a teacher, the main office, or counseling office. They may run errands and assist with tasks in the classroom, library, or office environment. Sophomores may only have 1 Student Aide per semester. Juniors and Seniors may have 2.

Note that this course only receives 0.25 credit and does not count as class of weight for KSHSAA eligibility. Students should also be advised that signing up for courses that only give 0.25 credit may affect a student's ability to be a 3 year or mid-term grad.

PEER MENTOR

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: No R: Yes

Prerequisite:

Course Emphasis: As a Peer Mentor students will work under teacher supervision to provide one-on-one assistance to students during class. Peer Mentors are not found in every classroom setting. Opportunities exist with Panther Pals, Reality 101, Art, and World Language courses.

LIBRARY SCIENCE INTERNSHIP

No. LIB600

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: No R: Yes

Prerequisite: Media Specialist's Approval

Course Emphasis: This is an advanced class where the student assists in the library/media center, shelving books, and processing materials. Students must be responsible, reliable and have good Math and English skills. They should be able to follow directions with a minimum amount of supervision.

OFFICE AIDE INTERNSHIP

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: No R: Yes

Prerequisite: Front Office Approval

Course Emphasis: This is an advanced class for students who have previously been a student aide in the main office.

COUNSELING OFFICE AIDE INTERNSHIP

Length: 1 Semester Credit: ½ Grade: 10-11-12 Fee: No NCAA: No R: Yes

Prerequisite: Counseling Office Approval

Course Emphasis: This is an advanced class for students who have previously been a student aide in the counseling office.

WORLD LANGUAGES

Course Offerings by Grade Level

Course	Credit	9th	10th	11th	12th	Prerequisite
German 1	1.0	✓	✓	✓	✓	None
German 2	1.0	✓	✓	✓	✓	German 1 or Placement by Diagnostic Exam
H-German Literature & Language	1.0		✓	✓	✓	German 1 or 2 or Placement by Diagnostic Exam
H-German Culture & Communication	1.0		✓	✓	✓	German 1 and 2 or Placement by Diagnostic Exam
Spanish 1	1.0	✓	✓	✓	✓	None
Spanish 2	1.0	✓	✓	✓	✓	Spanish 1 or Placement by Diagnostic Exam
H-Spanish 3	1.0	✓	✓	✓	✓	Spanish 1 and 2 or Placement by Diagnostic Exam
H-Spanish 4	1.0		✓	✓	✓	Spanish 1, 2 and 3 or Placement by Diagnostic Exam
H-Heritage Spanish 1	1.0		✓	✓	✓	Spanish 1, 2 (earned grade of C or above in both) OR Spanish 1, 2 Credit by Exam; 2.0 GPA, two teacher recommendations, & approval from World Language Dept. Chair
H-Heritage Spanish 2	1.0		✓	✓	✓	Spanish 1, 2 (earned grade of C or above in both) OR Spanish 1, 2 Credit by Exam; 2.0 GPA, two teacher recommendations, & approval from World Language Dept. Chair

GERMAN 1

No. WLD520/521

Length: 1 Year

Credit: 1

Grade: 9-10-11-12

Fee: No

NCAA: Yes

R: No

Prerequisite: None

Course Emphasis: German 1 is designed to introduce students to German language and culture. Basic grammar and syntax, fundamental vocabulary, and pronunciation are emphasized, so that students can comprehend written and spoken German at a basic level within predictable areas of need, using customary courtesies and conventions. German culture is introduced through the art, literature, customs, and history of German-speaking people. Students are expected to interact with other students and the teacher in the target language, record themselves speaking in the target language, and use the target language in class activities.

German classes at DHS are beginner classes and not intended for native speakers of German or students with a novice level of proficiency or higher in German. DHS offers Credit by Exam for all World Language classes.

GERMAN 2

No. WLD530/531

Length: 1 Year

Credit: 1

Grade: 9-10-11-12

Fee: No

NCAA: Yes

R: No

Prerequisite: German 1 OR placement by diagnostic exam

Course Emphasis: German 2 builds upon skills introduced in German 1, adding vocabulary and extending students' ability to understand and express themselves in German. Emergent skills in listening, speaking, reading, and writing will continue to develop, with students engaging in limited discourse for academic and social purposes. Students will continue to explore the art, literature, customs, and history of German-speaking people. Students are expected to interact with other students and the teacher in the target language, record themselves speaking in the target language, and use the target language in class activities. *German classes at DHS are beginner classes and not intended for native speakers of German or students with a novice level of proficiency or higher in German. DHS offers Credit by Exam for all World Language classes.*

H-GERMAN LITERATURE

No. WLD800/801

Length: 1 Year

Credit: 1

Grade: 10-11-12

Fee: No

NCAA: Yes

R: No

Prerequisite: German 1 and 2 OR placement by diagnostic exam

Course Emphasis: German Literature and Language provides students with the opportunity to continue developing the four communicative skills in German with an emphasis on reading and writing. Students are introduced to authentic literature from a variety of sources and time periods. Students will comprehend more complicated text and develop communicative skills through literary analysis and composition. Students are expected to interact with other students and the teacher in the target language, record themselves speaking in the target language, and use the target language in class activities. H-German Culture and Communication and H-German Literature and Language are companion courses based on thematic units rather than progressive/successive courses and may be taken in any order. In their Junior and Senior years, students are given the opportunity to test for the Kansas State Seal of Biliteracy. *Honors-German classes at DHS are beginner classes and not intended for native speakers of German or students with an intermediate level of proficiency or higher in German. DHS offers Credit by Exam for all World Language classes.*

H-GERMAN CULTURE AND COMMUNICATION**No. WLD850/851**

Length: 1 Year Credit: 1 Grade: 10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: German 1 and German 2 OR placement by diagnostic exam

Course Emphasis: German Culture and Communication provides students with the opportunity to gain cultural literacy and verbal communication skills in German with an emphasis on speaking, listening, and viewing. Students will communicate using a variety of inputs (i.e. texts, digital content, etc.) to produce targeted output in German. Students will develop fluency and accuracy in communication. Students are expected to interact with other students and the teacher in the target language, record themselves speaking in the target language, and use the target language in class activities. H-German Culture and Communication and H-German Literature and Language are companion courses based on thematic units rather than progressive/successive courses and may be taken in any order. In their Junior and Senior years, students are given the opportunity to test for the Kansas State Seal of Biliteracy. *Honors-German classes at DHS are beginner classes and not intended for native speakers of German or students with an intermediate level of proficiency or higher in German. DHS offers Credit by Exam for all World Language classes.*

SPANISH 1**No. WLD540/541**

Length: 1 Year Credit: 1 Grade: 9-10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: None

Course Emphasis: Spanish 1 is designed to introduce students to Spanish language and culture. Basic grammar and syntax, fundamental vocabulary, and pronunciation are emphasized, so that students can comprehend written and spoken Spanish at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people. Students are expected to interact with other students and the teacher in the target language, record themselves speaking in the target language, and use the target language in class activities. *Spanish classes at DHS are beginner classes and not intended for native speakers of Spanish or students with a novice level of proficiency or higher in Spanish. DHS offers Credit by Exam for all World Language classes.*

SPANISH 2**No. WLD550/551**

Length: 1 Year Credit: 1 Grade: 9-10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Spanish 1 or placement by diagnostic exam

Course Emphasis: Spanish 2 builds upon skills introduced in Spanish 1, adding vocabulary and extending students' ability to understand and express themselves in Spanish. Emergent skills in listening, speaking, reading, and writing will continue to develop, with students engaging in limited discourse for academic and social purposes. Students will continue to explore the art, literature, customs, and history of Spanish-speaking people. Students are expected to interact with other students and the teacher in the target language, record themselves speaking in the target language, and use the target language in class activities. Spanish classes at DHS are beginner classes and not intended for native speakers of Spanish or students with a novice level of proficiency or higher in Spanish. DHS offers Credit by Exam for all World Language classes.

H-SPANISH 3**No. WLD694/695**

Length: 1 Year Credit: 1 Grade: 9-10-11-12 Fee: No NCAA: Yes R: No

Prerequisite: Spanish 1 and 2 OR placement by diagnostic exam

Course Emphasis: Spanish 3 continues the development of communicative skills, encouraging students to express increasingly complex concepts both verbally and in writing. Students will expand their ability to communicate in less structured or unpredictable areas of need or want. Students will more easily comprehend speech of native speakers and authentic texts at a limited level of text complexity. Students are expected to interact with other students and the teacher in the target language, record themselves speaking in the target language, and use the target language in class activities. In their Junior and Senior years, students are given the opportunity to test for the Kansas State Seal of Biliteracy. *Honors-Spanish classes at DHS are beginner classes and not intended for native speakers of Spanish or students with an intermediate level of proficiency or higher in Spanish. DHS offers Credit by Exam for all World Language classes.*

H-SPANISH 4**No. WLD794/795**

Length: 1 Year

Credit: 1

Grade: 10-11-12

Fee: No

NCAA: Yes

R: No

Prerequisite: Spanish 1, 2 and H-Spanish 3 OR placement by diagnostic exam

College credit available through Newman Univ.

Course Emphasis: Spanish 4 is the culmination of four years of language study. Grammatical concepts from the previous three years will be reviewed, focusing on verbal and written communication at an advancing level of proficiency. Students will view authentic films from Spanish-speaking countries. Students will be expected to read, speak, write, and present in Spanish on a regular basis. Outside work will be required. In their Junior and Senior years, students are given the opportunity to test for the Kansas State Seal of Biliteracy. *Honors-Spanish classes at DHS are beginner classes and not intended for native speakers of Spanish or students with an intermediate level of proficiency or higher in Spanish. DHS offers Credit by Exam for all World Language classes.*

Semester One of this course equates to Elementary Spanish 1 (4 credit hours) and Semester Two of this course equates to Elementary Spanish 2 (4 credit hours). Fees apply.

H-HERITAGE SPANISH 1**No. ???**

Length: 1 Year

Credit: 1

Grade: 10-11-12

Fee: No

NCAA: ?

R: No

Prerequisite: 1) Spanish 1 and 2 (earned grade of C or above in both) OR Spanish 1 and 2 Credit by Exam

Also required for enrollment: 2.0 GPA, two teacher recommendations, & approval from World Language Dept. Chair

Course Emphasis: This course is designed for students who are native or heritage speakers of Spanish at an intermediate or higher level of proficiency. Students will advance their communicative skills in academic Spanish, focusing on the development of reading and writing skills for academic or professional purposes. Thematic vocabulary units will include societal, cultural, vocational, and academic areas. Students will be expected to read, write, and converse in Spanish on a wide array of subjects including current and past events and the culture of various Spanish-speaking countries. H-Heritage Spanish 1 and H-Heritage Spanish 2 are companion courses based on thematic units rather than progressive/successive courses and may be taken in any order. In their Junior and Senior years, students are given the opportunity to test for the Kansas State Seal of Biliteracy.

H-HERITAGE SPANISH 2**No. ???**

Length: 1 Year

Credit: 1

Grade: 10-11-12

Fee: No

NCAA: ?

R: No

Prerequisite: 1) Spanish 1 and 2 (earned grade of C or above in both) OR Spanish 1 and 2 Credit by Exam

Also required for enrollment: 2.0 GPA, two teacher recommendations, & approval from World Language Dept. Chair

Course Emphasis: This course is designed for students who are native or heritage speakers of Spanish at an intermediate or higher level of proficiency. Students will advance their communicative skills in academic Spanish, focusing on the development of reading and writing skills for academic or professional purposes. Thematic vocabulary units will include societal, cultural, vocational, and academic areas. Students will be expected to read, write, and converse in Spanish on a wide array of subjects including current and past events and the culture of various Spanish-speaking countries. H-Heritage Spanish 1 and H-Heritage Spanish 2 are companion courses based on thematic units rather than progressive/successive courses and may be taken in any order. In their Junior and Senior years, students are given the opportunity to test for the Kansas State Seal of Biliteracy.

Work Based Learning

The Best Way to Learn is by Doing!

What is Work Based Learning? (WBL)

The purpose of WBL:

- to build student awareness of potential careers
- facilitate student exploration of career opportunities
- begin student preparation for careers

These awareness, exploration, and preparation activities help students make informed decisions about high school courses, program enrollment, and postsecondary education and training.

Exposure to careers through an individual WBL activity can be beneficial. WBL should be integrated with classroom learning to help students draw connections between coursework and future careers.

Job Shadowing

Job shadows are career exploration activities that place individual students in workplaces to interact and observe one or more employees for 1 or more days. Based on student interest in specific careers and/or employers, job shadow can help students learn more about the nature of jobs and work environments as well as the education and training required to enter them.

Job Shadowing happens in the Career Connections and Community Connections HS CTE Courses but it can also occur in other HS courses as directed by the instructor.

Internships and Paid Internships(Job)

Internships are often viewed as culminating WBL experiences because they bring together skills and knowledge developed through previous career awareness, exploration, and preparation activities, connect them to the classroom, and allow students to apply them on the job.

An internship or paid internship(job) is when a student spends consecutive days or weeks working for an employer to test his/her interest in a career. This helps develop critical workplace and occupational skills. Unlike a summer or part-time job, an internship is connected to classroom learning and accompanied by structured reflection activities that help the student analyze and digest the experience. This “test drive” affords the student an opportunity to confirm his/her future education and training decision or, alternatively, choose another career path.

Each of our 17 CTE Pathways have the opportunity for WBL Internships. **The student must be enrolled in a CTE program at the technical or application level or be enrolled in a course of study related to the internship.**

For more information contact: Sandy Barton, WBL Coordinator sbarton@usd260.com

Work Based Learning Opportunities

CTE Pathway related WBL Courses:

ADVANCED MARKETING WORKPLACE EXPERIENCE
FINANCE WORKPLACE EXPERIENCE
TEACHING INTERNSHIP
COMMUNITY CONNECTIONS
CAREER CONNECTIONS
HEALTH CARE WORKPLACE EXPERIENCE
WORKPLACE EXPERIENCE IN ENGINEERING
WORKPLACE EXPERIENCE IN ARCHITECTURE AND CONSTRUCTION
WORKPLACE EXPERIENCE IN MANUFACTURING

WBL other opportunities:

City of Derby
AmeriCorps

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The student must have been enrolled, and/or be currently enrolled, in a technical and/or application level course(s) (one credit) in the pathway related to the career experience. Students must provide their own transportation to and from, sign a WBL agreement, turn in weekly documentation and complete at least 60 hours of WBL per semester.