Joel E. Ferris High School

Course Offerings

2024-2025

Joel E. Ferris High School
3020 East 37th
Spokane, WA 99223

Public Office: 509-354-6000

Building a Path to Academic Success - a well-rounded education

While there is no single academic path that we expect all students to follow, we want to help you make choices that will lead you to a successful career. Your education is more than taking only academic courses of English, math, science, history, and world languages. Taking elective courses such as fine arts, music, drama, CTE classes, will provide you with a well-rounded education.

A good high school education should do more than prepare you for the next level of education or for later employment—it should prepare you to take advantage of future learning opportunities of all kinds. You should gain skills and information, as well as a broad perspective on the world and its possibilities. By taking the most academically demanding courses you can find and having a well-rounded education, you can improve both your chance of admission to college and your performance during the first years of college as well as preparing yourself for any pathway you choose to take.

Start with Your Imagination – Grow the Skills You Need

You are entering a highly competitive workforce based on a global knowledge and information economy. To be career and college ready, you need to be able to integrate and apply 21st century skills, technical knowledge and skills and core academic knowledge. Our goal is that every Ferris High School student will graduate globally competitive for work and postsecondary education and prepared for life in the 21st century. No matter what your dream, you can pursue it through the numerous elective classes offered.

Each year, Ferris High School students graduate from high school with career goals, job skills and leadership skills knowing exactly where they will go next to further their education and training.

Find your passion and become one of those students!

This book is a work in progress.
We are continually improving the information provided to you.

Not every class listed in this book will be offered every year.
Classes are dependent on the availability of teachers and the number of students interested in taking the class.

Table of Contents

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CAREER PATHWAY CLUSTERS

To promote post-secondary success, Spokane School District implemented **SchooLinks**, a widely adopted college/career-readiness platform. This program helps Ferris High School students connect personal skills to college and career goals and track progress towards those goals through individual plans of study. From the moment students enter high school, it is important that they realize they are preparing themselves to compete and succeed in a global economy. Students must understand the relevance of what they are learning today to what they will do tomorrow in the work world. Career pathways are tools to help them get where they want to go.

In the past, some high school students chose courses and work experiences in an unplanned, aimless manner, often resulting in limited career options and undeveloped potential. Career pathway clusters provide students an opportunity to use their experiences in the classroom and the workplace to help determine what they might or might not want to do and to gain a better understanding of the kinds of experiences, skills and education and training they will need to be successful in the workplace. The idea that students can begin to develop an initial career direction which provides a purpose and context for learning can motivate students, increase their achievement, and smooth the transition from school to work.

Career pathways are grouped together because people in them share similar interests and strengths. The Spokane School District has adopted these five basic career pathways:

- Arts and Humanities
- Business and Industry
- Public Service
- STEM
- Multi-disciplinary

Along with an emphasis on a strong academic program, career pathways give students the opportunity to explore specific career-related classes and activities. Career pathways help students focus on an area of interest. The chosen career pathway provides the structure for all students to develop a career plan, regardless of their desired level of education. This focused plan helps students select school courses, activities, and part-time employment. Students can see the relevance in their selected courses, making school more meaningful for them.

Through **SchooLinks** students can access a series of career assessments that help them discover multiple career options, plan their career paths based on general areas of interest, and the level of education and training required to achieve their individual goals and objectives—allowing students to realize their goals, skills, knowledge, constraints, and interests to help them make better academic decisions.

SchooLinks offers:

- Online resource for students and families
- Encourages and supports post high school career and in-depth college/career searches
- Scholarship searches
- College/Career planning
- Military careers

With the high cost of post-secondary education, it has become even more important to help students avoid wasting time and money at the post-secondary level. Experiences in the high school career pathway can help students decide whether they are well-suited for a particular choice. At Ferris, students select career pathways to help plan for the future and realize the connection between high school, college or post-secondary training and careers. Since each career pathway includes a variety of options and choices, they are applicable for ***all*** students, whether they plan to go on to four-year colleges, community, or technical schools or directly into apprenticeships or work. A personal pathway may point to a certain high school curriculum, a college or vocational school education or specialized job training.

Students can access SchooLinks by clicking here or by going to: https://app.schoolinks.com/login/k12
(username = Student SPS email and password = student's 8-digit birthday.)

CAREER PATHWAY CLUSTERS: Arts and Humanities

Pathway Description: careers related to cultural studies, English literature, fine arts, history, political science and world languages.

Career Clusters: Arts, Audio/Video Technology and Communications
(Check SchooLinks for more information on clusters/careers/majors/plans of study)

Sample Careers/Occupations		Ferris Courses to Consider	
Architect	Locomotive Engineer	AP Comp Gov't/US Gov't	English 9, 10, 11, 12
Actor	Motorboat Operator	AP English Lang (11)/Lit (12)	Filmmaking
Art Director	Multimedia Artist/Animator	AP Psychology	FIN TV/Video Production
Art/Drama/Music Teacher	Music Director	AP Statistics	Fitness Classes—**ALL** courses
Audio/Video Technology	Musician	AP Studio Art: Drawing	Independent Business Project-IBP
Broadcasting	Photographer	AP Studio Art 2D-Photo	Leadership
Camera Operator, TV/Video/Film	Printing Technology	AP Studio Art 3D: Art (sculpture)	Mathematics—**ALL** courses
Choreographer	Producer/Director	AP US History	Orchestra—**ALL** courses
Commercial/Industrial Designer	Proofreader	AP World History	Painting Intermediate/Advanced
Computer Programmer	Public Relations Specialist	Bands—**ALL** courses	Photography (Digital)
Dancer	Radio/TV Announcer	Ceramics	Psychology
Data Entry	Radio/Cellular/Tower Installer	Choirs—**ALL** courses	Stagecraft
Designer	Reporters/Correspondent	Civics / CWA	Theatre —**ALL** courses
Desktop Publisher	Set/Exhibit Designer	Creative Writing	US History
Directors-stage/TV/radio/film	Singer	Debate	World History
Editor	Sound Engineering Technician	Drawing Intermediate/Advanced	World Languages—**ALL** courses
Fashion Designer	Stage Technician	Drawing, Sculpting, Painting	Yearbook
Film/Video Editor	Talent Director		
Graphic Designer	Technical Writer		
Historian	Telecommunication		
Interior Design	Visual Art		
Journalism	Writers/Author		

CAREER PATHWAY CLUSTERS: Business and Industry

Pathway Description: careers in accounting, architecture, automotive technology, business, communications, construction, finance, graphic design, information technology, marketing, welding, etc.

Career Clusters: Agriculture, Food and Natural Resources; Manufacturing; Finance; Transportation, Distribution and Logistics; Marketing; Business Management and Administration. Hospitality and Tourism; Architecture and Construction
(Check SchooLinks for additional information on clusters/careers/majors/plans of study)

Sample Careers/Occupations		Ferris Courses to Consider	
Accounting	Landscaping/Groundskeeper	Accounting	FIN- TV/Video Production
Administrative Support	Lodging Manager	AP Computer Science Principles	Fitness Classes – **ALL** courses
Agribusiness System	Maintenance/Operation	AP Environmental Science	Foods & Nutrition / Intern'l Foods
Animal Science	Marketing Mngt./Research	AP Psychology	Independent Business Project-IBP
Architecture and Construction	Mfg. Production Process	AP Statistics	Leadership
Baker	Merchandising	AP Studio Art 2D/3D – **ALL**	Marketing and Economics / Adv.
Banking Service	Mobile Equipment Maintenance	AP US Government and Politics	Marketing Management I/II
Business Finance	Natural Resources System	Applied Field Science	Mfg./Material Processing (Woods)
Business Information Mgt.	Operations Management	Art Classes – **ALL** courses	Mathematics – **ALL** courses
Construction	Professional Sales	Child Development	Music–**ALL** Band/Orchestra/Choir
Conservation Scientist	Quality Assurance	Civics/ CWA	Photography (Digital)
Design/Pre-Construction	Recreation/Amusement	Culinary & Hospitality (ProStart)	PLTW: Biomedical
Farmer/Rancher	Restaurant-Chef, Food Server	Debate	PLTW: Engineering
Facility Equipment Maintenance	Sales and Service	Early Childhood Education	Sports Medicine / Advanced
Finance	Securities and Investments	English 9, 10, 11, 12	Psychology
Fish and Game Warden	Transportation Operations	Environmental Chemistry	Stagecraft
Food/Beverage Service	Travel and Tourism	Film Making	Theatre – **ALL** courses
Insurance	Tree Trimmer/Pruner		World Languages—**ALL** courses
General Management	Warehouse/Distribution Op		Yearbook
Human Resources Management	Water/Wastewater Treatment		
International Business	Zoologists/Wildlife Biologist		

CAREER PATHWAY CLUSTERS: Public Service

Pathway Description: careers relating to education and training, health sciences and occupations, law enforcement and government services, human services, and military.

Career Clusters: Human Services; Law, Public Safety, Corrections and Security, Health Science; Education and Training; Government and Public Administration
(Check SchooLinks for additional information on clusters/careers/majors/plans of study)

Sample Careers/Occupations		Ferris Courses to Consider	
Administration	Hairstylist/Cosmetologist	Advanced Marketing/Economics	Environmental Chemistry
Administrative Support	Healthcare Social Worker	Anatomy and Physiology	FIN - TV/Video Production
Athlete/Sports Competitor	Interpreter and Translator	AP Biology	Fitness Classes – **ALL** courses
Barbers	Law Enforcement	AP Calculus AB/BC	Foods & Nutrition/Intern'l Foods
Biological Scientist	Lawyer	AP Chemistry	Health
Biotechnology Research	Legal Services	AP Comp Gov't/US Gov't	Independent Business Project-IBP
Childcare Worker	Mathematician	AP English Language	Leadership
Chiropractor	Military	AP English Literature	Mathematics – **ALL** courses
Clergy	Music Director	AP Environmental Science	Photography (Digital)
Consumer Services	National Security	AP Psychology	Project Lead the Way: Biomedical
Counseling and Mental Health	Personal Care Services	AP Statistics	Project Lead the Way: Engineering
Correction Service	Pharmacist	AP US History	Psychology
Dental Hygienist	Physician/Surgeon	AP World History	Science– **ALL** courses
Dentist	Radiologic Technician	Applied Field Science	Sports Medicine / Advanced
Diagnostic Services	Revenue and Taxation	Child Development	Theatre – **ALL** courses
Early Childhood Development	Security and Protective Service	Civics / CWA	US History
Emergency and Fire Management	Singer	Culinary & Hospitality (ProStart)	World History
Family and Community Services	Social Service	Debate	World Languages – **ALL** courses
Firefighter	Surgeon	Early Childhood Education	Yearbook
Fitness Trainer	Teaching	English 9, 10, 11, 12	
Foreign Service/International Aide	Therapeutic Services		
Governance	Veterinarian/Vet Assistant		

CAREER PATHWAY CLUSTERS: STEM (Science, Technology, Engineering, Math)

Pathway Description: careers related to science (including environmental science), technology (including computer science), engineering and advanced mathematics

Career Clusters: Science, Technology, Engineering and Mathematics; Information Technology
(Check SchooLinks for additional information on clusters/careers/majors/plans of study)

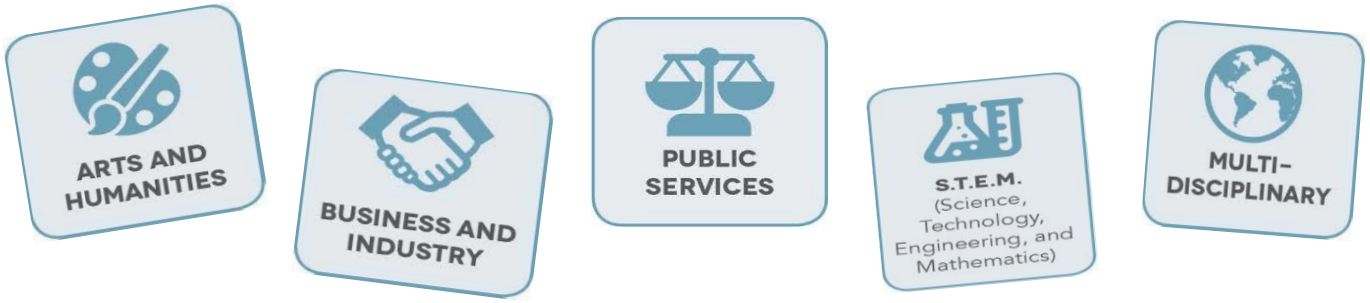
Sample Careers/Occupations		Ferris Courses to Consider	
Aerospace Engineer	Environmental Engineer	Algebra 1	Environmental Chemistry
Archeologist	Family & General Practitioner	Algebra 2	Filmmaking
Architectural/Engineering	Fire Prevention/Protection Engr.	Anatomy and Physiology	FIN - TV/Video Production
Biological Scientist	Graphic Designer	AP Biology	Fitness Classes – all courses
Biomedical Engineer	Health and Safety Engineer	AP Calculus AB/BC	Geometry
Chemical Engineer	Industrial Engineer	AP Chemistry	Health
Chemistry Teacher	Information Security Analyst	AP Computer Science Principles	Independent Business Project
Chemist	Marine Engineer/Naval Arch.	AP Environmental Science	Intermediate Math
Civil Engineer	Market Research Analyst	AP Physics	Leadership
Computer Hardware Engineer	Mathematician	AP Psychology	Photography (Digital)
Computer Network Support	Mechanical Engineer	AP Statistics	Physics
Computer Operator	Microbiologist	AP Studio Art 2D: Photography	AP Pre-calculus
Computer Programmer	Multimedia Artist/Animator	Applied Field Science	Project Lead the Way: Biomedical
Computer Systems Analyst	Network/Computer Sys. Admin.	Biology	Project Lead the Way: Engineering
Database Administrator	Nuclear Engineer	Bridge to College Math	Psychology
Dietitian/Nutritionist	Physicist	Chemistry	Sports Medicine / Advanced
Drafter	Political Scientist	Debate	Woods (Mfg./Material Processing)
Economist	Psychologist	English 9, 10, 11, 12	World Languages – **ALL** courses
Education, Training, Library Wk.	Sociologist	Environmental Chemistry	Yearbook
Electrical Engineer	Software Developer		
Engineering	Statistician		
Engineering Teacher	Zoologist/Wildlife Biologist		

Pathway Description: this pathway allows a student to select courses from the curriculum of each pathway area. This pathway may also include AVID, Honors/AP courses, Running Start, etc.

Career Clusters: Combination of four or more of the previous clusters, 4-year college entrance requirement, Running Start, 4 credits or more in AP selected from English, Math, Science, Social Studies, CTE or AVID

(Check SchooLinks for additional information on clusters/careers/majors/plans of study)

Sample Careers/Occupations		Ferris Courses to Consider	
Agriculture	Manufacturing	AP Biology	Debate
Architecture	Marketing	AP Calculus AB/BC	English – **ALL** courses
Arts	Mathematics	AP Chemistry	Family/Consumer Sciences – **ALL**
Audio/Video Technology	Medical Professions	AP Comp Gov't /US Gov't	FIN - TV/Video Production
Business Administration	Natural Resources	AP Computer Science Principles	Fitness – **ALL** courses
Business Management	Network Administrator	AP English Language/AP English	Independent Business Project
Communication	Nurse Anesthetist	AP Environmental Science	Leadership
Computer Systems Analyst	Occupational Therapist	AP Physics	Mathematics – **ALL** courses
Construction	Physical Therapist Assistant	AP Psychology	Mythology
Corrections and Security	Political Scientist	AP Statistics	Project Lead the Way: Biomedical
Dentist	Psychologist	AP Studio Art 2D / 3D	Project Lead the Way: Engineering
Education and Training	Public Administration	AP Studio Art 3D-Photo	Running Start Courses
Engineering	Public Safety	AP US History	Science – **ALL** courses
Finance	Science	Art Classes – **ALL** courses	Social Science – **ALL** courses
Food Production/Service Industry	Software Developer	AVID 9, 10, 11, 12	Theatre – **ALL** courses
Government	Speech-language Pathologist	Bands and Orchestras– **ALL**	World Languages – **ALL** courses
Health Science	Technology	Business & Marketing – **ALL**	Yearbook
Hospitality	Tourism	Choirs – **ALL** courses	
Human Services	Transportation Distribution	Creative Writing	
Information Technology	Transportation Logistics		
Law	Urban & Regional Planner		



Ferris High School Four Year Course Planning Sheet

What Are Career Pathways and Why Are They Important?

Career Pathways act as a personal GPS system for individuals to find their way to gainful employment and a successful career. America's economy has shifted from an industrial model to an information-technology model. The shift created a significant increase in high-skilled occupations and a major decline in low skill jobs. Because today's workplace needs are more defined, today's job seeker cannot rely on a generalist approach to their future career. Individuals seeking gainful employment need to possess a high level of career knowledge, so they can make informed decisions when choosing a career direction.

http://static.k12.wv.us/careerpathways/5_About_Career_Pathways.pdf

Career pathways are planned journeys to informed destinations.

Grades 7-8	Career Pathway
High School credits/requirements earned in middle school: ☐ Math _____ ☐ World Language _____ ☐ Washington State History ☐ Other _____ ☐ Other _____	Education Goal: _____ Career Goal: _____ Personalized Pathway selected: Y N ❑ *Arts & Humanities* ❑ *Business & Marketing* ❑ *Public Service* ❑ *STEM* ❑ *Multi-Disciplinary*

1st Semester Grade 9	*2nd Semester*
☐ English _____	☐ English _____
☐ Math_____	☐ Math_____
☐ Science _____	☐ Science _____
☐ Fit/Health _____	☐ Fit/Health _____
☐ Pathway/World Lang. _____	☐ Pathway/World Lang. _____
☐ Pathway_____	☐ Pathway _____
☐ _____	☐ _____

1st Semester Grade 10	*2nd Semester*
☐ English _____	☐ English _____
☐ Math _____	☐ Math _____
☐ Science _____	☐ Science _____
☐ World History_____	☐ World History _____
☐ Fitness _____	☐ Fitness_____
☐ Pathway/World Lang. _____	☐ Pathway/World Lang._____
☐ _____	☐ _____

1st Semester Grade 11	*2nd Semester*
☐ English _____	☐ English _____
☐ US History _____	☐ US History _____
☐ Math _____	☐ Math _____
☐ Science _____	☐ Science _____
☐ CTE _____	☐ CTE _____
☐ Pathway/Art_____	☐ Pathway/Art_____
☐ _____	☐ _____

1st Semester Grade 12	*2nd Semester*
☐ English _____	☐ English _____
☐ CWA/Civics _____	☐ CWA/Civics _____
☐ Math *(recommended)* _____	☐ Math *(recommended)* _____
☐ Science *(recommended)* _____	☐ Science *(recommended)* _____
☐ Pathway/Art_____	☐ Pathway/Art_____
☐ Pathway_____	☐ Pathway_____
☐ _____	☐ _____

Requirement	Expected Credits	Minimum Credits
English	4.0	4.0
Math	**4.0**	3.0
Science	**4.0**	3.0
Social Studies	3.0	3.0
Career & Technical	1.0	1.0
Health/Fitness	2.0 (.5/1.5)	2.0 (.5/1.5)
Arts	2.0	1.0
World Language	2.0	0.0
Personal Pathway Courses	2.0	3.0
Other Electives	0	4.0
TOTAL MINIMUM	**24.0**	**24.0**

For more information on graduation requirements, visit: http://sbe.wa.gov/GradRequirements/ClassOf2019.php

Additional Requirements
SBAC ELA Exam passed: Y N
SBAC Math Exam passed: Y N

Notes on your course selections:

_____

_____

_____

_____

_____

_____

_____

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To have a College and Career Ready Transcript, we strongly recommend that you **exceed** the minimum required courses and take classes that will help you with your post-high school pursuits.

See the chart at the left for the expected credits and the minimum credits.

***Personalized Pathway requirement:** If you choose to not select a second year of art and/or two years of a World Language, then choose 3 courses that lead to a specific post-high school career based on your Personalized Pathway interests.

^World Language is not a high school graduation requirement, but it is required to most 4-year universities and is recommended from the Spokane Community Colleges.

Please see Course Catalog for AP options

If you have questions or concerns, please schedule an appointment with your counselor to develop a four-year course plan that prepares you for your future and finds your passion.

Timeline for Getting College-Ready

From College Success Foundation

FRESHMAN YEAR

- Visit your school's career center and learn how you can explore college choices and which programs are available to start planning early for college. Explore colleges, majors, and careers through **SchooLinks**.
- Keep your parents/guardians informed about what you are learning in school and your academic goals.
- Begin talking about college costs and saving for college with your parents/guardians if you have not done so already.
- Review your college-going plan with your counselor. Revise if needed. Make sure you are taking courses that will meet college admission requirements.
- Start your year off right: Talk with your school counselor about your options and your plans. Be sure to ask about test dates for the PSAT, ACT and SAT.
- Stay focused on and organized in your classes, homework, and daily tasks. Plan ahead and keep track of assignments by using a student planner or daily agenda. Turn in assignments early or on time.
- Study by reviewing classroom materials, creating flashcards, rewriting notes, and quizzing your friends to help master the content. Create study groups.
- Take advantage of available resources such as homework help sessions, study hall or open library hours.
- Learn how to appropriately ask for help from adults.
- Join clubs and get involved. Participate in athletics, community service and volunteer.

SOPHOMORE YEAR

- Review your college-going plan with your counselor. Make sure you are taking courses that will meet college admission requirements.
- Stay focused on and organized in your classes.
- Begin researching different colleges through **SchooLinks** to create a list of schools.
- Ask about how to prepare to State tests, end of course exams, PSAT and SAT. Khan Academy is a great resource to help with academics and the SAT.
- Participate in student organizations, athletics, community service and volunteer events.
- Get job skills in high school over the summer.
- Many colleges and scholarships factor in your GPA when considering you for admissions, make sure to earn the best GPA you can.

JUNIOR YEAR

Fall Semester Timeline

- Start your year off right: Talk with your school counselor about your options and your plans. Be sure to ask about test dates for the PSAT, ACT and SAT.
- Sign up for courses with your eyes on the prize: college and money to pay for it! A tougher course load may pay off with scholarships and may get you a better chance to get admitted to your choice school.
- Start investigating private and public sources for financial aid. Take note of scholarship deadlines and plan accordingly. Sign up for activities to boost your college applications.
- Find out about schools you are interested in attending. Treat your school selection process like a research paper: make a file, gather information about schools, financial aid, and campus life to put in it.
- Go to college fairs and open houses and learn as much as you can from the Internet about schools. Begin planning college visits—fall, winter, and spring break may be good times because you can observe a campus when classes are going on.
- Take the PSAT. You will get results online in December.
- Sign up for ACT or SAT prep courses. Khan Academy is a great resource for the SAT.
- Do your top college picks require essays or recommendations? Begin planning your essays and choosing whom you would like to ask for a recommendation.
- Begin the application process for service academies (West Point, Annapolis, etc.)
- Decide if you should take AP exams in May.

Spring Semester Timeline

- Meet with your school counselor again to develop your senior schedule.
- Organize your Individual Graduation Plan.
- Think about lining up a summer job or internship.
- Plan campus visits for spring break.
- Get ready for AP exams in May.
- Take the SAT.

SENIOR YEAR

Fall Semester Timeline

- Many colleges accept the Common Application. Apply.
- Sign up for the SAT or ACT if you did not take it as a junior, or if you are not satisfied with your score.
- Start the financial aid application process.
- See your counselor or college/career specialist for help finding financial aid and scholarships.
- If you need it, get help completing the FAFSA (Free Application for Federal Student Aid). Watch the mail for your Student Aid Report (SAR) ~ it should arrive four weeks after the FAFSA is filed.
- Visit with your school counselor to make sure you are on track to graduate and fulfill college admission requirements. Consider taking courses at a local university or community college.

- Keep working hard all year; second semester grades can affect scholarship eligibility.
- Ask for personal references from teachers, school counselors, or employers early in the year or at least two weeks before application deadline.
- Attend a college fair.
- Begin your college essay(s).
- Apply for admission at the colleges you have chosen.
- Avoid common college application mistakes.
- Find out if you qualify for scholarships at each college where you have applied.

Spring Semester Timeline

- In January ask the Student Office to send your first semester transcripts to schools where you applied. In June, they will need to send final transcripts to the college you will attend.
- Visit colleges that have invited you to enroll.
- Decide which college to attend and notify the school of your decision.
- Keep track of and observe deadlines for sending in all required fees and paperwork.
- Notify schools you will not attend of your decision.
- Continue to look for scholarship opportunities.
- Keep track of important housing, registration, financial aid, and scholarship deadlines.
- Compare financial aid packages from different schools.
- Notify your college about any outside scholarships you received.
- Get ready for AP exams in May.

June to August:

- Make sure your final transcript is sent to the school you will be attending.
- Getting a summer job can help pay some of your college expenses.
- Make a list of what you will need to take with you for your dorm room.
- If you have not met your roommate, call, write, or e-mail to get acquainted in advance.
- Make sure housing documentation is quickly accessible when you move into the dorm.
- Learn how to get around at your new school. Review a campus map.
- Wait until after your first-class meeting to buy your books and supplies.

Minimum College Admission Standards

For Students Entering College/University in the summer or fall after high school graduation
College Academic Distribution Requirement (CADR) Coursework

Students are encouraged to take a minimum of three credits of CADR courses each year of high school, including the senior year.

Students who take college-level coursework and complete 5 quarter credits, will have earned the equivalent of one CADR credit.

Please see your counselor for specific CADR course requirements and information for additional requirements for specific colleges.

English – 4 credits – including 3 credits of college preparatory composition or literature.

Mathematics – 3 credits. Algebra I, geometry, and Algebra II (intermediate algebra)

Senior Year Math-Based Quantitative Course: During the senior year of high school, students must earn a credit in a math-based quantitative course. This requirement may be met through enrollment in one of the three required math courses or by completing a math-based quantitative course like statistics or by completing an algebra-based science course taken during the senior year that would satisfy this requirement and part of the science requirement below. *Note: The senior-year math requirement does not mean a 4th credit of math is required, nor does it require a higher level of math; the intent is for seniors to take meaningful math.*

Science – 2 credits of laboratory science are required for admission. One credit must be in biology, chemistry, or physics (this course may also meet the algebra-based requirement).

World Languages – 2 credits must be earned in the same World Language, Native American language, or American Sign Language. Note: Any World Language course taken in middle school may satisfy one - two credits of the requirement (needs to be included on the high school transcript-get a form from your counselor.) And in some cases, 3 credits are recommended.

Social Science – 3 credits of history or other social science

Arts – 1 credit of fine, visual, or performing arts - or 1 additional credit in other CADR academic subject areas as defined above.

Alphabetical Listing of Courses Offered at Ferris High School

Advanced Business and Marketing-A/B (DECA)
Pre-Requisites: Business and Marketing A/B
Grades: 10-12, may be repeated **College credit can be earned.**
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Business and Industry, Multi-disciplinary

Continue with the final leg of the marketing and DECA journey. This class will focus on what it takes to be a business owner. This course explores four main components: operations, business law, product/service management and the development of the business plan. DECA, an association of over 180,000 marketing students, focuses on business, leadership, and community service. Students will have the opportunity to participate in leadership trainings and DECA competitions. DECA partners with many national corporations which offer employment and scholarship opportunities.
statement creation and analysis, professional standards and ethics, and specific applications for running a business.

Advanced Conditioning
Pre-Requisites: Successful completion of Intro to Fitness and Lifetime Fitness or equivalents
Grades: 10-12, may be repeated **Note: 0-Hour class students must provide their own transportation**
Graduation Requirement Credit: Elective
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

This is an elective-only class designed for those students who have completed **ALL** fitness and health requirement courses and want to continue working towards their fitness goals in the weight room. Students will be expected to demonstrate, evaluate, use, and build on skills and knowledge developed in prior fitness classes.

Algebra 1
Pre-Requisites: None
Grades: 9-12
Graduation Requirement Credit: Math
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

Algebra will weave together a variety of concepts, procedures, and processes in mathematics. Students will develop the ability to explore and solve mathematical problems, think critically, work cooperatively with others, and communicate their ideas clearly as they work through these mathematical concepts and algebraic procedures. Topics for this course include a study of linear, quadratic, and exponential functions as well as statistics. Use of the graphing calculator is an integral part of this course.

Algebra 2 and Algebra 2 Honors
Pre-Requisites: Geometry and Algebra I
Grades: 9-12
Graduation Requirement Credit: Math
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM
Algebra 2: Building on their work with linear, quadratic,
and exponential functions, students extend their repertoire of functions to include polynomial, rational, and radical functions. Students work closely with the expressions that define the functions, and continue to model situations and to solve equations, including solving quadratic equations over the set of complex numbers and solving exponential equations using the properties of logarithms. The practice standards: problems solving, communication and connections apply throughout this course. Through the content and practice standards, students will experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations. Use of the graphing calculator is an integral part. The Smarter Balanced Assessment taken during the junior year tests mathematics content through this course and is a graduation requirement.
Algebra 2 Honors: This math course option follows the Algebra 2 curriculum but will go into greater depth in the development of the course concepts. This Honors course is a challenging option designed for students who have demonstrated high levels of academic achievement in mathematics. The Honors distinction is an option available to all students enrolled in Algebra II.

Anatomy and Physiology

Pre-Requisites: Biology or PLTW Biomed
Grade: 10-12
Graduation Requirement Credit: Science
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Multi-disciplinary, Public Service, STEM

This course involves an in-depth study of the structure and function of the human body. Students learn how anatomy and physiology are interrelated and how the body maintains internal balance. Various human body systems are studied in depth at both the microscopic and macroscopic levels. This course involves hands-on investigations, including dissections. This course should be of high interest to students who are considering health science careers or who simply want a deeper understanding of the biology of the human body.

AP Biology

Pre-Requisites: Biology or PLTW Biomed, Pre-course summer assignment
Grade: 10-12
Graduation Requirement Credit: Science This course is considered an algebra-based science.
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Multi-disciplinary, Public Service, STEM

This Advanced Placement (AP) Biology course is approved and certified by the College Board. It is intended to be the equivalent of a college-level general biology course. AP Biology follows the program syllabus outlined by the College Board, in which students study concepts in the following 4 Big Ideas: evolution and diversity of life, biological systems, biological information and interactions between biological systems. Students participate in laboratory investigations as a part of their course experience and will have the opportunity to develop scientific reasoning abilities and skills. This course prepares students to successfully complete the AP exam in biology. A score of 3, 4 or 5 on the AP exam is accepted by many cooperating colleges for college credit.

AP Calculus AB and AP Calculus BC

Pre-Requisites: AP Pre-calculus Pre-course summer assignment for AP Calculus BC
Grades: 9-12
Graduation Requirement Credit: Math
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

AP Calculus AB: AP Calculus AB is roughly equivalent to a first semester college calculus course devoted to topics in differential and integral calculus. This course covers topics in these areas, including concepts and skills of limits, derivatives, definite integrals, and the Fundamental Theorem of Calculus. Students are taught to approach calculus concepts and problems when they are represented graphically, numerically, analytically, and verbally, and to make connections amongst these representations. Students learn how to use technology to help solve problems, experiment, interpret results, and support conclusions.

AP Calculus BC: Explore the key concepts, methods, and applications of single-variable calculus including all topics covered in AP Calculus AB (functions, graphs, and limits, derivatives, integrals, and the Fundamental Theorem of Calculus) as well as additional topics in differential and integral calculus, such as parametric, polar and vector functions, and series.

AP Chemistry

Pre-Requisites: Chemistry
Grade: 11-12
Graduation Requirement Credit: Science This course is considered an algebra-based science.
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Multi-disciplinary, Public Service, STEM

Advanced Placement (AP) Chemistry is approved and certified by the College Board. It is intended to be the equivalent of a college level general chemistry course. AP Chemistry follows the program syllabus outlined by the College Board, in which students explore a range of advanced topics related to inorganic and organic chemistry. Students participate in laboratory investigations that develop their inquiry skills and laboratory techniques and will have an opportunity to enhance their mathematical abilities by working with quantitative data. This course provides a critical foundation for students interested in medicine, pharmacy, physical therapy, veterinarian sciences, chemistry, biology, engineering, and other STEM related disciplines.

AP Comparative Government and Politics and AP US Government and Politics

Pre-Requisites: None
Grades: 12 One semester each
Graduation Requirement Credit: Comparative Government = CWA; US Government = Civics and WA State
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Multi-disciplinary, Public Service

AP Comparative Government: This course is designed for students wishing to learn more advanced concepts about governments around the world. Students are introduced to fundamental concepts used by political scientists to study the processes and outcomes of politics in a variety of country settings. Content will include the study of China, Great Britain, Iran, Mexico, Nigeria, and Russia and how politics, institutions and behaviors shape these nations. Course work is equivalent to a college introductory course. Students who pass the AP test will receive college credit from most universities.
AP US Government: This course gives students an analytical perspective on government and politics in the US. It includes both the study of general concepts used to interpret US government and politics and the analysis of specific examples. It also requires knowledge and understanding of the various institutions, groups, beliefs, and ideas that constitute US government and politics.

AP Computer Science Principles

Pre-Requisites:
Grades: 9-12
Graduation Requirement Credit: CTE, Science, Math, Elect
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, STEM

Advanced Placement Computer Science Principles is a 6-unit, yearlong course that evolves from the Exploring Computer Science course. The course starts with learning about what is involved in sending digital information from one place to another and ends with students developing a web application. Additional topics include the internet and how its development has affected both society and computation. In between students learn about algorithms, web executed applications, structured data, and technology and modern innovation.

AP English Language and Composition

Pre-Requisites: Pre-course summer assignment
Grades: 11
Graduation Requirement Credit: English
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities,
Multi-disciplinary, Public Service
The Advanced Placement English Language and Composition will engage students in becoming skilled readers of primarily nonfiction prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who compose for a variety of purposes. Both their writing and reading will make students aware of the interactions among a writer's purposes, audience expectations, and subjects as well as the way generic conventions and the resources of language contribute to effectiveness in writing. Students may elect to take the College Board AP Exam in Language and Composition in May.

AP English Literature and Composition

Pre-Requisites: Pre-course summer assignment
Grades: 12
Graduation Requirement Credit: English
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Multi-disciplinary, Public Service
This course, comparable to an introductory college literature course, teaches careful reading and critical analysis of imaginative literature from various cultures and time periods. Composition assignments include paragraphs, timed essays, formal essays (personal, expository, and argumentative), and a literary analysis research paper. Students may elect to take the College Board AP Exam in Literature and Composition in May.

Not every class listed in this book will be offered every year.

Classes are dependent on the availability of teachers and the number of students interested in taking the class.

AP Environmental Science (APES)

Pre-Requisites: Biology or PLTW Biomed
Grade: 11-12
Graduation Requirement Credit: Science This course is considered an algebra-based science.
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, Public Service, STEM

This AP Environmental Science (APES) course is approved and certified by the College Board. It is intended to be the equivalent of a college level environmental science course. APES follows the program syllabus outlined by the College Board. Students use scientific principles, concepts, and methodologies to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving and/ or preventing them. The following themes provide foundation for the course's structure: 1. Science is a process. 2. Energy conversions underlie all ecological processes. 3. The Earth itself is one interconnected system. 4. Humans alter natural systems. 5. Environmental problems have a cultural and social context. 6. Human survival depends on developing practices that will achieve sustainable systems.

AP Physics 1

Pre-Requisites: Successful completion of Algebra and Geometry
Grade: 10-12
Graduation Requirement Credit: Science This course is considered an algebra-based science.
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Multi-disciplinary, STEM

This Advanced Placement Physics course is approved and certified by the College Board. It is intended to be the equivalent of a college level general physics course. AP Physics 1 follows the program syllabus outlined by the College Board, in which students explore Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound, and introductory electric circuits. The course is based on six Big Ideas, which encompass core scientific principles, theories, and processes that cut across traditional science boundaries and provide a broad way of thinking about the physical world.

AP Pre-calculus/Honors

Pre-Requisites: Algebra 2
Grades: 9-12
Graduation Requirement Credit: Math
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Public Service, Multi-disciplinary, STEM

AP Pre-calculus: The course is designed for students who are preparing for mathematics or a mathematics-related career. Included are an integrated development of advanced algebra, trigonometry, analytic geometry, and an introduction to calculus. This course is a prerequisite to calculus. Use of the graphing calculator is an integral part of this course.
Pre-calculus Honors: This math course option follows the Pre-calculus curriculum but will go into greater depth in the development of the course concepts. This Honors course is a challenging option designed for students who have demonstrated high levels of academic achievement in mathematics. The Honors distinction is an option available to all students enrolled in Pre-calculus.

AP Psychology

Pre-Requisites: None
Grades: 11-12
Graduation Requirement Credit: Elective, after successful completion of 3 years of science may take in lieu of science
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

This course introduces students to the systemic and scientific study of behavior and mental processes. Primarily, the course will explore the psychological facts, principles and phenomena associated with each of the major subfields of psychology (consciousness, learning, personality, cognition, etc.) The objective is to take and pass the AP Exam for psychology and all aspects of the course will reflect this fact.

AP Statistics

Pre-Requisites: Algebra 2
Grades: 9-12
Graduation Requirement Credit: Math
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The course introduces students to the major concepts and tools for collecting, analyzing, and drawing conclusions from data. There are four themes in the AP Statistics course: exploring data, sampling, and experimentation, anticipating patterns, and statistical inference. Students use technology, investigations, problem solving, and writing as they build conceptual understanding.

AP Studio Art 2D Design: Art

Pre-Requisites: Drawing, Sculpting & Painting or Painting
Grades: 10-12, may be repeated
Graduation Requirement Credit: Art
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

AP Studio Art 2D is for students interested in completing the AP Studio Art 2D Portfolio to submit to the College Board to receive college credit. Students are challenged to develop their own work while meeting the requirements for the portfolio as stated by the College Board. The class explores a variety of mediums, subject matters, and style.

AP Studio Art 2D Design: Photography (Digital)

Pre-Requisites: Digital Photography or teacher permission
Grades: 10-12, may be repeated
Graduation Requirement Credit: Art, CTE **College Entrance Requirement (CADR):** Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, STEM

Advanced Placement Photography (Studio Art 2D Design) is for art students who are interested in completing the AP Digital Photography Portfolio to submit to the College Board to receive college credit. Students are challenged to develop their own work while meeting the requirements for the portfolio as stated by the College Board. This class explores a variety of mediums, subject matters, and styles of digital photography.

AP Studio Art 3D Design: Art (Sculpture)

Pre-Requisites: Sculpture
Grades: 11-12, may be repeated
Graduation Requirement Credit: Art
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

Advanced Placement Studio Art 3D is for art students who are interested in completing the AP Studio Art 3D Portfolio to submit to the College Board to receive college credit. Students are challenged to develop their own work while meeting the requirements for the portfolio as stated by the College Board. The class explores a variety of mediums, subject matters, and style.

AP Studio Art: Drawing

Pre-Requisites: Drawing, Sculpting & Painting or Painting
Grades: 10-12, may be repeated
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

AP Drawing is for art students who are interested in completing the AP Drawing Portfolio to submit to the College Board to receive college credit. Students are challenged to develop their own work while meeting the requirements for the portfolio as stated by the College Board. This class explores a variety of mediums, subject matters, and styles.

AP US History
Pre-Requisites: None
Grades: 11
Graduation Requirement Credit: US History
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Multi-disciplinary, Public Service

The Advanced Placement US History program is a comprehensive college-level course that is organized chronologically. The assigned readings are from several books used in American universities. The teaching and study techniques have been chosen to prepare the student to do excellent work in college. The examinations and papers are similar to those the student will encounter in college work. Students may elect to take the Advanced Placement exam.

AP World History
Pre-Requisites: None
Grades: 9-10
Graduation Requirement Credit: World History
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Multi-disciplinary, Public Service

AP World History offers students a broad view of events, ideas and movements that have led to the contemporary world. This course has a brief review of ancient human history, but largely covers the history of major civilizations from 1450 to the present.

AP World Language – Japanese, Spanish
Pre-Requisites: Successful completion of 3rd year Japanese; successful completion of 4th year Spanish
Grade: 9-12
Graduation Requirement Credit: Elective
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

(Please see the description for this course under the World Language section.)

Applied Field Science
Pre-Requisites: None
Grade: 11-12
Graduation Requirement Credit: Science
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Business and Industry, Public Service, Multi-disciplinary, STEM

This course provides a practical and relevant approach to understanding several fundamental science concepts and principles. Students engage in classroom experiences that investigate a wide variety of science applications in the local and regional environment. Some of the topic areas studied in the course include safety in the outdoors (including first aid); water as a resource; food resources and nutrition; plant and animal characteristics; animal behavior including hunting and fishing; understanding weather; ecological principles; backpacking; orientation and maps; and geology and landforms. Students participate in several activities in which they will develop knowledge of science and practical skills that will direct applications in their lives.

AVID (Advancement Via Individual Determination)
Pre-Requisites: None
Grades: 9-12, may be repeated up to 8 semesters
Graduation Requirement Credit: Elective
Career Pathway Cluster Options: Multi-disciplinary

AVID is a program that prepares students for college eligibility and success. The AVID class addresses key elements in college preparation including academic survival skills, college entry skills, tutorials, motivational activities and career and college exploration. Students who participate in the AVID program will take courses that meet 4-year college entry requirements while learning time management, note taking and essay writing.

Band-Intermediate (Concert)

Pre-Requisites: None
Grade: 9-12, may be repeated Possible fees for use of school instruments and uniform cleaning may be charged.
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

Students who play brass, woodwind and percussion instruments should enroll in this class. Fundamentals of all band instruments will be introduced and explored. This is a great class to sharpen performance skills to audition for the select, more advanced ensembles. Various styles of band music will be performed. Students in this class will also have the opportunity to be part of the school marching and pep bands. Opportunities to perform include (but are not limited to) festivals, contests, sporting activities and concerts.

Band-Jazz Band-Intermediate and Advanced

Pre-Requisites: None. Audition is required for Advanced.
Grade: 9-12, may be repeated Possible fees for use of school instruments and uniform cleaning may be charged.
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary
Opportunities to perform include (but are not limited to) festivals, contests, and concerts.

Intermediate: Students who would like to explore instrumental jazz music should take this class. All aspects of the fundamentals of proper jazz techniques will be introduced. Instruments included in a jazz ensemble are saxophone, trumpet, trombone, piano, guitar, bass guitar and percussion. Participation requires a commitment to performing both in class and outside of the school day.
Advanced: This is a select jazz ensemble for the serious instrumental musician who desires advanced training in jazz concepts and performance. Instruments included in a jazz ensemble are saxophone, trumpet, trombone, piano, guitar, bass guitar and percussion. An active performing schedule including school concerts & special community events is a major aspect of this ensemble.

Band-Percussion Ensemble and Advanced Percussion Ensemble

Pre-Requisites: Previous percussion experience is required as well as teacher permission.
Grade: 9-12, may be repeated Possible fees for use of school instruments and uniform cleaning that may be charged.
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

Percussion Ensemble: This class is for the experienced percussionist who is interested in exploring many different phases of the world of percussion. Members will comprise all (or part) of the percussion sections of the intermediate (Drumline) and advanced bands, marching band, and pep band. They also perform percussion ensemble music and solo literature.
Advanced Percussion Ensemble is for the experienced percussionist who is interested in performing diverse concert percussion literature within the large ensemble genre. In addition to a full percussion ensemble compliment, the members of the ensemble are also the percussion sections for the Concert and Wind Ensemble. Members are selected via audition and need to contact the instructor to set an audition time.

Band-Wind Ensemble-Advanced

Pre-Requisites: Special permission of the instructor is required.
Grade: 9-12, may be repeated
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

This select band consists of students who have a strong instrumental music background. Students will get a chance to sharpen their skills through challenging music and performances. All styles of band music will be performed. Students in this class will also have the opportunity to be part of the school marching and pep bands. Participation requires a commitment to performing both in class and outside of the school day. Opportunities to perform include (but are not limited to) festivals, contests, sporting activities and concerts.

Biology

Pre-Requisites: None
Grade: 9-10
Graduation Requirement Credit: Science This course is considered an algebra-based science.
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Multi-disciplinary, Public Service, STEM

Biology is the study of living systems and interactions between living and non-living systems. Biology is an introductory lab science course designed for ninth grade students. Using the Next Generation Science Standards as a guide, students explore essential questions underlying topics in cellular biology, heredity, evolution, and ecosystems. Questions guiding exploration include: *How do organisms live and grow? How and why do organisms interact with their environment, and what are the effects of these interactions? How are characteristics of one generation passed to the next? How can individuals of the same species have different characteristics? What evidence shows that different species are related?* In addition to acquiring content knowledge specific to biology, students also deepen their understanding of science and engineering practices through hands-on inquiry that involves asking questions, designing, and carrying out investigations, and exploring and applying core science concepts that span across and unify all disciplines of science.

Bridge to College English

Pre-Requisites: None
Grades: 12
Graduation Requirement Credit: English
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Public Service, Multi-disciplinary, STEM

This course focuses on the English Language Arts key readiness standards from Washington State's K-12 Learning Standards for English Language Arts (the Common Core State Standards, CCSS-ELA). The course is designed to prepare students for entrance into post-secondary credit-bearing courses. The course addresses lessons in critical reading, academic writing, speaking, and listening, research and inquiry, and language use.

Business and Marketing A/B (DECA)

Pre-Requisites: None
Grades: 9-12 **College credit can be earned.**
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Business and Industry, Multi-disciplinary

This is a great course if you are interested in any area of Business and marketing. Students obtain career and professional development and are exposed to a wide variety of marketing topics such as business ownership, promotion, sales, economics, communication, and leadership. Students are introduced to the world of business, marketing, economics, and social responsibility, focusing on communication and interpersonal skills essential for success in the business world. Students will also participate in DECA, the student leadership organization. This class is a must for every student who is considering a career in the business world.

Careers in Education Teaching Academy

Pre-Requisites: Child Development
Grades: 11-12
Graduation Requirement Credit:
College Entrance Requirement (CADR):
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

Do you want to be a teacher? This is a yearlong class designed to give students the "total teaching experience." First semester, you will learn about teaching methods, classroom management, lesson planning and the rigors of the teaching profession. You will also gain valuable work skills, plan lessons, make presentations and speak to classes with confidence. Second semester, you will have the opportunity to spend time with children in an elementary or middle school classroom applying newly learned concepts. Second year students participate in teaching internship both semesters. College credit available.

Ceramics

Pre-Requisites: Drawing, Sculpting and Painting or demonstrate understanding of the visual arts elements and principles
Grades: 9-12, may be repeated
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

Do you like working with your hands? Have you always wanted to learn how to throw a pot on the wheel? Ceramics explores hand building and wheel throwing techniques. Students make both functional and sculptural forms to keep or give as gifts. This class will create portfolio pieces to be considered for AP submission.

Chemistry

Pre-Requisites: Geometry and/or currently enrolled in Algebra II
Grade: 10-12
Graduation Requirement Credit: Science This course is considered an algebra-based science.
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Multi-disciplinary, Public Service, STEM

Chemistry is the study of the properties of matter and its interactions. This introductory lab science course is designed for students after their freshman year. Using the Next Generation Science Standards as a guide, students explore essential questions underlying topics including the structure and properties of matter and chemical reactions. Questions guiding exploration include: "How can one explain the structure, properties and interactions of matter?" And "How is energy in chemical reactions transferred and conserved?" In addition to acquiring content knowledge specific to chemistry, students also deepen their understanding of science and engineering practices through hands-on inquiry that involves asking questions, designing, and carrying out investigations, and exploring and applying core science concepts that span across and unify all disciplines of science.

Child Development

Pre-Requisites: None
Grades: 10-12
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, Public Service

- Explore parenting skills
- Learn about prenatal care, birth ages and stages
- Take home baby simulator
- Career exploration
- Industry standard certification (STARS)
- Make a difference in children's lives!

Choir (Lunch Bunch)

Pre-Requisites: Special permission is required, and participation requires membership in an additional choir class
Grade: 10-12, may be repeated
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

Part-time Symphonic Choir or "Lunch Bunch" is available for students who want to enrich their choir experience by performing with the Symphonic Choir. Lunch Bunch has the same performance schedule as the Symphonic Choir.

Choir-Advanced (Symphonic)

Pre-Requisites: Audition is required
Grade: 10-12, may be repeated Possible fees for uniform cleaning may be charged.
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

Students will continue to focus on tone quality and intonation in the ensemble and in small groups. Teamwork, cooperation and gaining self-confidence through performing will be emphasized as well as individual and group vocal techniques. Sight, part, and solo singing; vocal pedagogy; and performance are included. Choral literature of various forms and genres will be performed. Performances include (but are not limited to) four major concerts, festivals, contests, and tour.

Choir: Advanced Small Vocal Ensemble (Canterbury Belles)
Pre-Requisites: Audition is required, and participation requires membership in Symphonic Choir
Grade: 10-12, may be repeated Possible fees for uniform cleaning may be charged.
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanity, Business, and Industry, Multi-disciplinary

These students will continue to sharpen their vocal technique through more demanding music. Strong emphasis is placed on musical interpretation, expression, presentation, and the ability to work independently as well as within the ensemble. The Canterbury Belles have an active performance schedule in the community as well as four major concerts, festivals, contests, tours, and retreat.

Choir-Intermediate (Treble)
Pre-Requisites: None
Grades: 9-12 Possible fees for uniform cleaning may be charged.
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

Open to female students who are interested in improving their vocal and musicianship skills. Emphasis is given in rehearsal and concert etiquette and the responsibilities associated with membership in a performing group. Students will learn basic music theory and music reading skills. The class will focus on tone quality and intonation within the ensemble as well as vocal technique and musical interpretation. Performances include (but are not limited to) four major concerts, festivals, and contests.

Choir: Intermediate Vocal Ensemble (Saxon Knights) – meets 0 period before school
Pre-Requisites: Audition required; participation requires membership in Symphonic Choir or instrumental large ensemble
Grade: 9-12, may be repeated Possible fees for uniform cleaning may be charged.
Graduation Requirement Credit: Art **Zero Hour class students must provide their own transportation.**
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

Saxon Knights meet three mornings a week. Special attention will be placed on creating a strong male sound through vocal production and technique. Music varies in genre from popular to classical music. Performances include (but are not limited to) four major concerts, festivals, contests, and a tour.

Choir: Jazz Choir-Advanced (Camerata)
Pre-Requisites: Audition is required; participation requires membership in Symphonic Choir
Grade: 10-12, may be repeated Possible fees for uniform cleaning may be charged.
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

This choir is designed for students who desire advance training in vocal jazz. Students will learn jazz concepts such as vocal improvisation, while they continue to develop their vocal technique. They will also learn how to use PA equipment. Camerata has an active performance schedule in the community as well as four major concerts, festivals, contests, tour, and a retreat.

Choir: Vocal Ensemble (Show Choir) – meets 0 period before school
Pre-Requisites: Audition required; participation requires membership in Symphonic Choir or instrumental large ensemble
Grade: 9-12, may be repeated Possible fees for uniform cleaning may be charged.
Graduation Requirement Credit: Art **Zero Hour class students must provide their own transportation.**
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanity, Business, and Industry, Multi-disciplinary

This class meets three mornings a week. Students will develop musical show choir skills including choreography and dance. They continue to learn a variety of singing styles, with a focus on more popular and audience-oriented selections. Performances include (but are not limited to) four major concerts, festivals, and contests.

Civics and Contemporary World Affairs (CWA)
Pre-Requisites: None
Grades: 12 One semester each
Graduation Requirement Credit: Civics = Civics/WA State; CWA = CWA
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service

Civics: Students will gain an understanding of the following concepts: Constitutional and Economic Underpinnings of American Government, Political Parties, Beliefs, and Behaviors, Interest Groups and Mass Media, Institutions of Government, Public Policy, Civil Rights and Liberties. Through study of these topics, students will gain a vital understanding of the American system of governance and apply their understanding to an analysis of current issues.
CWA: This course will examine the key issues facing our world today. Students will bring together the understanding and skills they have developed over the years in social studies to dig deeper into the problems of the environment, the proliferation of weapons, pandemics, terrorism, international conflict, and more.

Culinary and Hospitality (ProStart)
Pre-Requisites: Foods and Nutrition recommended
Grades: 10-12, may be repeated up to 6 semesters
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, Public Service

ProStart is a year-long program, you may earn college credit from selected schools after successful completion of the national exam. Students may earn college credit after successful completion of the 2nd year and passing national exam.

- Develop culinary, hospitality & tourism skills
- Event planning, preparation, and service
- Field trips and industry guest speakers
- Culinary and Management Competition
- Learn management/financial side of food service operation
- Option of operating Saxon Grounds

Culinary and Hospitality (ProStart) Internship—Espresso Stand
Pre-Requisites: Culinary and Hospitality (ProStart) and special permission of instructor
Grades: 10-12, may be repeated
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, Public Service

This class provides the opportunity to practice the operations of a business. Students become lab assistants and learn to be a barista. Duties of the workplace are simulated as students operate the espresso stand, practice communication skills, and learn valuable on-the-job training.

Debate (meets 0 period—before school)
Pre-Requisites: None **Note: 0-Hour class students must provide their own transportation**
Grade: 9-12, may be repeated up to 8 semesters
Graduation Requirement Credit: Elective Participation in competition is required.
Career Pathway Cluster Options: Arts and Humanity, Business, and Industry, Multi-disciplinary, Public Service, STEM

This course is designed for any students interested in perfecting their speaking styles, fine tuning their critical thinking skills and mastering research techniques for use in many other areas. Students will have the opportunity to participate in the following forensic events: original oratory, extemporaneous, impromptu, and expository speaking, humorous, dramatic, and reading interpretation. Debate style will focus on "one-on-one," Lincoln/Douglas format. Much of the work will be done independently, outside of school and/or class time.

Not every class listed in this book will be offered every year.
Classes are dependent on the availability of teachers and the number of students interested in taking the class.

Drawing—Intermediate and Advanced

Pre-Requisites: Drawing, Sculpting & Painting, or a demonstrated understanding of visual arts elements & principles.
Grades: 9-12, may be repeated
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

Intermediate: Do you like to draw? This class will explore a variety of media and techniques to create drawing that ranges from abstract to realistic. Both color and black and white media will be used. This class will continue to create portfolio pieces to be considered for AP submission.
Advanced: Grades 10-12 Students apply the elements and principles of visual art by demonstrating a variety of drawing media and techniques to create artwork. Subject matter varies from still life to the human form to nature and abstract design. The study of art history, cultures and artists provide vocabulary skills and a foundation for students to discuss and evaluate their own work in a supportive atmosphere. Students will create portfolio pieces to be considered for AP submission.

Drawing, Sculpting and Painting

Pre-Requisites: None
Grades: 9-12
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

Explore your creativity and discover hidden talents. This exploratory course focuses on developing the skills & vocabulary used by designers/artists to develop ideas and produce drawings, paintings, and sculpture. The emphasis is on the fundamentals that help build a strong creative background that so many companies and employers are dependent upon. This class will begin a portfolio to be considered for culminating project. A wide variety of styles, techniques, artists, and eras will challenge students in their definition of art.

Early Childhood Education (Preschool)

Pre-Requisites: Child Development preferred
Grades: 11-12
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, Public Service

Two years of Early Childhood Education are available. The first-year students work in Early Childhood Education (preschool) and the second-year students are an Early Childhood Education Assistant.
. Plan activities for children .Teach preschool
. Explore career opportunities . Earn college credit
ECE-one of the fastest growing employment opportunities.

English Language Development (ELD) courses are designed to align to the ***National Geographic/CENGAGE Learning curriculum*** (used in ELD English 1, 2, 3, and 4) and should develop students' level of English skills from their current language proficiency level (determined by the ELPA) to higher levels of language proficiency. These courses foster students' acquisition of the four language skills of reading, writing, listening, and speaking in English.

ELD English Newcomer

Pre-Requisites: Level 1 on WELPA/ELPA
Grade: 9-12
Graduation Requirement Credit: English
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

ELD English Newcomer is an intensive beginning class offered at the ELD Newcomer Center for high school aged students who are non-English speakers and are just starting their education in the United States. This class
utilizes the Inside the USA Newcomer curriculum and is meant for students at the earliest levels of English language proficiency: preproduction and early production.

ELD English 1, 2, 3, 4

Pre-Requisites:

- English 1: Below 80%-Edge Phonics and Decoding Assessment OR Lexile levels 10-485 on EDGE Placement Test
- English 2: Lexile levels 520-735 on EDGE Placement Test
- English 3: Lexile levels 770-875 on EDGE Placement Test
- English 4: Lexile levels 915-1065 on EDGE Placement Test

Grade: 9-12
Graduation Requirement Credit: English
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

English 1 aligns with ELA and ELP standards and is designed for students in the early production/beginning speech emergent stages of second language acquisition. This class utilizes the Fundamentals curriculum listed above. Students in ELD English 1 will take ELD 1 concurrently.
English 2 aligns with ELA and ELP standards and is designed for students in the speech emergent stage of second language acquisition, utilizing the Level A. Students in ELD English 2 will take ELD 2 concurrently.
English 3 aligns with ELA and ELP standards and is designed for students in the advanced speech emergent/beginning intermediate fluency stage of second language acquisition. This class utilizes the Level B, Volume 1 curriculum.
English 4 aligns with ELA and ELP standards and is designed for students in the intermediate fluency stage of second language acquisition. This class utilizes the Level B, Volume 2 curriculum.

ELD 1 and ELD 2

Pre-Requisites: Enrolled concurrently in ELD English 1 or ELD English 2
Grade: 9-12
Graduation Requirement Credit: Elective
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

ELD 1 and ELD 2 area 2nd language development courses that accompanies ELD English 1 or 2 and uses EDGE curriculum.

ELD Gateway to World History and ELD Gateway to US History

Pre-Requisites: Meets language proficiency level indicated in description
Grade: 9-12
Graduation Requirement Credit: World History or US History
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service

ELD World History: ELD Community Studies aligns with Language Proficiency Level 1 [Beginner/Advanced Beginner] and ELD Standards for Proficiency Level 1. The Language Development focus is reading academic text. The content focus of ELD World History and World Geography. Gateway to Social Studies is the supplemental text used. **ELD US History:** ELD US History aligns with Language Proficiency Level 2 [Intermediate] and ELD Standards for Proficiency Level 2. The Language Development focus is reading academic text and focuses on US History and government.

ELD Basic Math Newcomer and ELD Math

Pre-Requisites: Meets language proficiency level indicated in description
Grade: 9-12
Graduation Requirement Credit: Elective
College Entrance Requirement (CADR): does not meet
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

ELD Basic Math Newcomer-for students enrolled in the ELD Newcomer Center, who need to learn the vocabulary of Math and to learn basic arithmetic/math skills. **ELD Math** - for students, whose language proficiency and math skills require additional development before the students can be successful in a general education Algebra 1 course. This course is taught by a Math teacher who is supported by a Bilingual Specialist and collaborates with the ELD teachers to help develop the students' math language skills while developing math skills.

English 9 and English 9 Honors

Pre-Requisites: None (English 9), pre-course summer assignment (English 9 Honors)
Grades: 9
Graduation Requirement Credit: English
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

English 9: Investigate the thematic concept of coming of age. Students will read Harper Lee's novel *To Kill a Mockingbird;* informational articles about college; short stories by Poe and Collier; historical articles about segregation; poetry by Wordsworth, Neruda, and Cardiff; and Shakespeare's *Romeo and Juliet*. From the reading, students will gather evidence from texts and incorporate it in written and oral responses, including a presentation using multiple forms of media. Students encounter more varied and complex writing in this grade as they write in a variety of modes including argumentative, informational, and narrative writing. Film texts are a large part of the activities. Students study a film director's style and analyze how style is evident in the transformation of print texts to films. Students also study *Romeo and Juliet* analyzing how key scenes are represented in multiple film versions as well as the print text.
English 9 Honors: This course offers students an extension of the core curriculum of English 9. Enrichment activities and assignments are provided throughout the course. The completion of this course prepares students to take advanced placement classes later in high school. Daily homework and summer choice readings.

English 10 and English 10 Honors

Pre-Requisites: None (English 10), pre-course summer assignment (English 10 Honors)
Grades: 10
Graduation Requirement Credit: English
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

English 10: Students explore the thematic concept of culture. Texts include Chinua Achebe's *Things Fall Apart,* Sophocles' *Antigone*, Susan B. Anthony's "On Women's Right to Vote," and the Nobel Prize acceptance speeches of Aleksandr Solzhenitsyn and Elie Wiesel. Students are challenged to use evidence from these texts in both written and oral responses. Students will study the extent to which one's culture influences one's worldview and incorporate textual evidence in a written argument. Research plays a role as students investigate the Ibo culture represented in *Things Fall Apart* and present their findings in a collaborative presentation with digital media. Film texts play a role when students analyze the degree of objectivity and subjectivity present in documentary films while gathering evidence about environmental issues.
English 10 Honors: offers students an extension of the core curriculum of English 10. Enrichment activities and assignments are provided throughout the course. The completion of this course prepares students to take more demanding, advanced placement classes.

English 11

Pre-Requisites: None
Grades: 11
Graduation Requirement Credit: English
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

Students will explore the concept of the American Dream. Students will read foundational U.S. documents such as Lincoln's Second Inaugural Address and The Declaration of Independence, essays by Thoreau and Emerson, poetry by Hughes and Whitman, Arthur Miller's drama *The Crucible* and Zora Neale Hurston's *Their Eyes Were Watching God.* These texts will help students gather evidence to incorporate in an informative essay defining what it means to be an American and a synthesis essay that argues whether America still provides access to the American Dream. Students will compare both print and film versions of *The Crucible* and study various features of news outlets while working collaboratively to create their own news outlet.

English: African American Literature

Pre-Requisites: None
Grades: 11-12
Graduation Requirement Credit: English 12, elective
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service

This yearlong course will focus on African American Literature and its significance in African American History. Readings will be applied to wider contexts encompassing gender, cultural, historical, and political issues. Students will analyze the ideas in these readings through critical writing tasks that require them to consider the multiple perspectives involved. They will also develop research skills as they learn to locate and cite outside sources to support their arguments.

English: Creative Writing
Pre-Requisites: None
Grades: 11-12
Graduation Requirement Credit: English 12, elective
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service

This course is designed for students who plan to continue their post-secondary education at the university/collegiate level and value the intellectual pursuit of the liberal arts. Study will include world literature of various historical periods and application of reading, writing, oral communication, and critical thinking skills.

English: Mythology
Pre-Requisites: None
Grades: 11-12
Graduation Requirement Credit: English 12, elective
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

Students explore myths from various cultures around the world, including, but not limited to the classical mythology from Greece and Rome. Students will examine portrayals of creation, gods/goddesses, heroes, and monsters. Students will benefit by becoming literate in mythological allusions and inferences in the modern world. Students who are career and college ready have the capacity to be independent, flexible, technologically savvy, and open-minded. Because the study of mythology offers a link between the culture of the mythmaker and the present culture, students are constantly being asked to understand not only what but why, to build content but also to make connections and draw conclusions.

English: Writing on Film
Pre-Requisites: None
Grades: 11-12
Graduation Requirement Credit: English 12, elective
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

Writing on Film is a substantial, engaging, and comprehensive course. Students learn to read film, gain experience annotating informational text, analyze differences and similarities between film and literature, develop a sophisticated appreciation and application of visual symbolism, understand more fully the development of story and plot, and comprehend the intersection between societal norms with creative expression. Students read two novels, participate in Literary and Socratic Circles and practice deeper thinking, listening, and speaking skills. Writing skills are exercised and polished including writing a pitch for an imaginary Hollywood studio. Through two short film projects and using digital media, students learn how to tell a story succinctly, visually, and authentically. Through the study and practice of 21st century skills students experience Writing on Film as a doorway into the ever-expanding media business.

Environmental Chemistry
Pre-Requisites: Biology or PLTW Biomed and teacher recommendation
Grade: 10
Graduation Requirement Credit: Science
College Entrance Requirement (CADR): Does not meet
Career Pathway Cluster Options: Business and Industry, Public Service, Multi-disciplinary, STEM

This course extends the study of science into areas dealing with the environment. Students spend a brief period reviewing chemistry concepts learned in prior grades. Following this, they will participate in learning experiences involving the chemistry of water, food, the human body, air, natural resources (including petroleum), and radioactive substances. The course includes students' participation in laboratory investigations and involves them in developing a deeper understanding of the chemical basis underlying the natural world.

Filmmaking

Pre-Requisites: None **College credit can also be earned.**
Grades: 9-12, may be repeated
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Art and Humanities, Business, and Industry, Multi-disciplinary, STEM

Do you like movies?
Do you want to know more about movie making?
Do you want to work on a variety of film projects and produce films for the Ferris community?
Learn how to tell stories visually. Use digital video cameras and professional editing software (Adobe Premiere) to create movies. Students participate in video scavenger hunts, produce film "portraits," and create dramatic scenes, music videos, scriptwriting and more. Discover careers in movie making and media. In this hands-on class you will develop your skills in organization, collaboration, communication, self-expression, time management and trouble-shooting—skills needed in any career field.

Foods and Nutrition / International Foods

Pre-Requisites: None; Foods and Nutrition required for International Foods
Grades: 9-12 1 semester (1st semester class / International Foods is the 2nd semester class)
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, Public Service

Foods and Nutrition: Students learn the basics of food preparation, distinguishing what makes a good recipe, the nutritional value of foods and proper basic cooking methods and techniques. Food safety and storage, meal-planning and shopping techniques are explored. Weekly foods labs focus on specific curricular areas of interest. **International Foods** takes the information you learned in Foods and Nutrition a step further. The food selection and preparation are more advanced than in first semester, a larger variety of foods are explored, and we share our sampling of foods from around the world. Both food and culture around the world are a dual focus of this class.

Geometry

Pre-Requisites: Algebra 1
Grades: 9-12
Graduation Requirement Credit: Math
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

Students will explore the basic concepts and methods of Euclidean Geometry while deepening their understanding about plane and solid geometry. Course topics include reasoning and proof, line, and angle relationships, two- and three-dimensional figures, coordinate plane geometry, geometric transformations, surface area and volume. Core processes include reasoning, problem solving and communication.

Guitar Lab

Pre-Requisites: None
Grade: 9-12, may be repeated
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

This course is for the beginning or intermediate guitar player who would like to learn music fundamentals while exploring skills required to play the guitar. **Limited** school instruments are available, so students will be asked to provide their own guitars (unless other arrangements have been made with the instructor).

Health

Pre-Requisites: None
Grade: 9; one semester
Graduation Requirement Credit: Health
Career Pathway Cluster Options: Public Service, Multi-disciplinary, STEM

This class focuses on a variety of health concepts and skills to help plan for personal lifelong health goals. The skills to enhance health that you develop, demonstrate, and apply include, analyzing influences on health behaviors; accessing valid information, products, and services; using interpersonal communication; using decision-making; using goal setting; practicing health-enhancing behaviors; and advocating for personal, family and community health. These skills will be woven into core ideas such as wellness, diseases, nutrition, safety, stress/social emotional health, substance use and abuse and sexual health.

Individualized Educational Plan (IEP) courses are designed to provide additional support for students who may have a documented disability or impairment. Schools provide special education services to students found eligible under the Individuals with Disabilities Education Act (IDEA).

IEP: Career and Academic Preparation 9/10 and Career and Academic Preparation 11/12 (CAP)

Pre-Requisites: Student has IEP goals in area(s) covered in this class
Grade: 9-10
Graduation Requirement Credit: Elective/IEP Driven
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

CAP 9/10: offers students individualized teacher directed specially designed instruction in their content eligible areas. Students complete course work define transition goals as part of their IEP specific to areas of interest and move towards postsecondary pursuits. Students develop independent learning skills as they respond to opportunities for self-evaluation and navigation of high school responsibilities and expectations. Students learn life skills such as attendance, punctuality, organization, responsibilities, attitude and behavior management and effort and develop time management and effort, goal setting, self-monitoring, communication, note taking, test taking, textbook usage, understanding needed accommodations, and increase self-advocacy skills.
CAP 11/12: designs timely individualized intensive academic intervention, systemic monitoring, credit retrieval opportunities through teacher support and/or on-line opportunities. Students develop organizational skills, time management, increase self-advocacy skills, and understanding needed accommodations. Students direct their transition course of study; complete informal and formal vocational assessments, interpret the results and become conversant with understanding self, student rights and responsibilities. Students build knowledge and skills to coordinate their movement towards post-secondary career and academic opportunities.

IEP: Career Choices

Pre-Requisites: Student has IEP goals in area(s) covered in this class; qualifying class in CTE
Grade: 10-12, may be repeated
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

Students will understand and be able to use the skills, work habits, and attitudes necessary to succeed in the world of work by taking this course. Applied economics, job search and retention, business math, human relations, problem-solving and communications are among the components of this class.

IEP: Career Focus

Pre-Requisites: Student has IEP goals in area(s) covered in this class; qualified class in CTE
Grade: 11-12, may be repeated
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

Career Focus is a community-based, learning and training opportunity for 11th and 12th grade students. Students receive direct instruction from a business mentor as well as the teacher/coordinator in addition to work-site experience. Individualized training plans are collaboratively developed to allow students to explore their interests, gain work-related skills, as well as apply classroom learning in a hands-on setting. Each student is assessed individually, based on real performance and visible benchmarks of performance, and work placed readiness. Individual IEP goals and objectives are addressed.

IEP: English Targeted 9, 10, 11 and 12

Pre-Requisites: Student has IEP goals in area(s) covered in this class
Grade: 9,10, 11 or 12
Graduation Requirement Credit: English The curriculum content is aligned with district approved curriculum.
College Entrance Requirement (CADR): Does not meet
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

English Targeted 9: provides intensive reading and writing intervention for students who have a reading goal and requires specially designed instruction.
English Targeted 10: provides intensive reading and writing intervention.
English Targeted 11: provides intensive reading and writing intervention. Students read, write, and complete research projects focused on their transition to adulthood. Students have a reading goal and require specially designed instruction.

English Targeted 12: provides intensive reading and writing intervention. Students read, write, and complete research projects focused on their transition to adulthood. This course results in a culminating project presentation. **Students have a reading goal and require specially designed instruction.**

IEP: Literacy Practical Level 1 and Level 2

Pre-Requisites: For high school center or included students who have IEP goals in area(s) covered in this class
Grade: 9-12, may be repeated
Graduation Requirement Credit: English or Social Studies
College Entrance Requirement (CADR): Does not meet
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

IEP: Literacy Practical Level 1 This course is for students with very limited decoding ability; limited expressive and/or receptive language skills. Students will build functional reading comprehension and vocabulary skills while completing readings and assignments from various reading curricula. Students will recognize and use community safety signs to encourage their independence and flexibility while in the community and vocational settings. Entry Levels: Emerging reading skills Curriculum Content/Outcomes: Functional reading and writing, sight words, supports assistive communication.
IEP: Literacy Practical Level 2 This course is for students who have very little decoding ability. Students will develop functional writing and keyboarding skills that promote the use of written communication to enhance daily living situations and relationships, and successful integration into the workplace. IEP goals and objectives are addressed. Entry Levels: Emerging reading skills Curriculum Content/Outcomes: Reading connected text, functional writing skills and sight words. IEP goals and objectives are addressed in both levels

IEP: Mathematics Practical Level 1 and Mathematics Practical Level 2

Pre-Requisites: Student has IEP goals in area(s) covered in this class
Grade: 9-12, may be repeated
Graduation Requirement Credit: Math
College Entrance Requirement (CADR): Does not meet
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

Entry Levels Level 1: Emerging Numeracy Skills Curriculum Content/Outcomes: Students will learn math skills necessary for independent living. This includes a focus on using money, sorting patterns, basic computational math skills, time management skills, using a calculator, and problem solving. The specific skill areas are determined by the needs of the individual student.
Level 2: Students will learn math skills necessary for independent living. This includes a focus on using money, sorting patterns, basic computational math skills, time management skills, using a calculator, and problem solving. The specific skill areas are determined by the needs of the individual student. IEP goals and objectives are addressed in both levels.

IEP: Personal Choices and Organizational Strategies

Pre-Requisites: Student has IEP goals in area(s) covered in this class
Grade: 9-12
Graduation Requirement Credit: Elective
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

High school programs implement intensive behavior modification and therapeutic interventions in order to provide students with the skills necessary to return to the general education classroom as soon as possible. Programs provide core academic individualized education, may utilize a token economy, a level system, social skill instruction, behavior management and group therapy to provide comprehensive service delivery systems. In certain programs, students may be placed in general education only after they have completed several levels of program intervention or have met certain behavioral expectations.

IEP: Practical Health and Fitness

Pre-Requisites: Student has IEP goals in area(s) covered in this class
Grade: 9-12, may be repeated Student's IEP goals will be addressed through instruction in adaptive skills.
Graduation Requirement Credit: PE or Health
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

This course provides instruction in physical health and activity. Students are exposed to stretching exercises, calisthenics, and cardiovascular activities. Students participate in games, individual sports, and team sports based upon their individual needs and abilities. Students may also participate in a bicycle program using adaptive equipment geared to their physical needs.

IEP: Intern

Pre-Requisites: Student has IEP goals in area(s) covered in this class
Grade: 9-10, may be repeated IEP goals and objectives are addressed.
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

This course of study is designed to provide an opportunity for students to experience in building field job experiences. Students will improve and/or develop behaviors in a variety of situations.

IEP: Science Modified and IEP: Social Studies Modified

Pre-Requisites: Only students with qualifying condition
Grade: 9-12, may be repeated Student's IEP goals will be addressed through instruction in adaptive skills.
Graduation Requirement Credit: Science or Social Studies
College Entrance Requirement (CADR): Does not meet
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service

Science: This course of study is designed to provide students with information needed to understand science concepts. Reading and writing instruction is embedded in science curriculum.
Social Studies: This course of study is designed to provide students with information needed to be a responsible citizen. Reading and writing instruction is embedded in social studies curriculum.

Independent Business Project (IBP)

Pre-Requisites: Qualifying course in Business and instructor permission
Grades: 9-12, may be repeated
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

IBP is designed to provide self-directed students the opportunity to plan and complete an in-depth project in a business area of their interest. The teacher will approve, monitor, and evaluate the project. Students also have the opportunity to participate in DECA, the student leadership organization. Must receive instructor's permission.

Intermediate Math

Pre-Requisites: Geometry
Grades: 9-12
Graduation Requirement Credit: Math
College Entrance Requirement (CADR): Does not meet
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

This course is an option for students following Geometry that will allow for further development of concepts, procedures and processes established through the previous courses. This course is designed to help solidify student's mathematical understanding in preparation for Algebra 2.

Intro to Fitness /Intro to Fitness Weights

Pre-Requisites: None
Grade: 9, one semester **Note: Zero Hour class students must provide their own transportation.**
Graduation Requirement Credit: Fitness
Career Pathway Cluster Options: Arts and Humanities, Business and Industry, Public Service, Multi-disciplinary, STEM

This is the first in a series of three required semesters of fitness. Students participate in a variety of activities (sports, games, fitness) to demonstrate competency in activity specific skills; apply knowledge of concepts, principles, strategies, and tactics related to movement and performance; demonstrate knowledge and skills to achieve and maintain a health-enhancing level of physical activities and fitness; exhibit responsible personal and social behavior; and recognize the value of physical activity. You will look at your individual health behaviors and analyze your current fitness levels, demonstrate your ability to set and adjust individual goals and create and implement a personal health and fitness plan.

Leadership

Pre-Requisites: None
Grades: 11-12, may be repeated up to 8 credits
Graduation Requirement Credit: Elective
Career Pathway Cluster Options: Arts and Humanity, Business and Industry, Public Service, Multi-disciplinary, STEM

Students study the basic qualities of leadership and its role both in school and in the community. They learn to run ASB meetings, plan school activities and set the tone for school spirit and the school's place in the community. Guest speakers, field trips and other experiences help students explore the challenges and opportunities that come with leadership while carrying on the school's ***Tradition of Excellence.***

Lifetime Fitness

Pre-Requisites: Successful completion of Intro to Fitness
Grade: 9-12 **Note: Zero Hour class students must provide their own transportation.**
Graduation Requirement Credit: Fitness
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

Lifetime Fitness: In this course, you will expand on the concepts and skills from Intro to Fitness and refine activity specific skills, apply principles, and create strategies to improve performance. You will take a leadership role and apply best practices for creating a safe physical activity environment. You will create, implement, monitor, self-assess and modify a personal fitness and nutrition plan. Heart rate monitors and fitness center monitor progress towards fitness goals.

Lifetime Fitness- Weights

Pre-Requisites: Successful completion of Intro to Fitness
Grade: 9-12 **Note: Zero Hour class students must provide their own transportation.**
Graduation Requirement Credit: Fitness
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

This course can be taken to meet the Lifetime Fitness credit requirements. Students will refine activity-specific skills, apply principles, and create strategies to improve performance. Leadership and best practices for creating a safe physical activity environment will be a theme throughout. Students will create, implement, monitor, self-assess, and modify a personal fitness and nutrition plan. The weight room and activity monitors will be used to assess progress towards fitness goals. Students will complete this class with a fitness plan and a love for healthy living.

Link Leadership Class

Pre-Requisites: Teacher permission
Grades: 10-12
Graduation Requirement Credit: Elective
Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, Public Service

Link Leadership Class works with Link Crew to continue supporting not only freshmen in their transition into school but all students. This class will be trained in per mediation and will support all new students in their transition into Ferris. Students will also learn about leadership styles. Students in this class will work to organize the 8th Grade move-up day in the Spring and lay the foundation for the incoming link crew. Students must apply to be part of Link Crew to be considered for this class.

Math 107

Pre-Requisites: Algebra 2
Grades: 12
Graduation Requirement Credit: Math
College Entrance Requirement (CADR): Meets for all 2-year colleges and most 4-year universities (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

Math 107 focuses on the key College Readiness standards from the Common Core. The course will utilize the computer based Aleks assessment and learning module to support students in identifying and strengthening areas of growth. The second semester, Math 107, is a College in the High School course offered in conjunction with Eastern Washington University. The course explores sets, basic logic, truth tables, elementary probability and statistics, geometry and the connections between mathematics and art, exponential functions, logarithms, and geometric series. The spirit of the course is one of reasoning and problem solving. This is a terminal course intended for students not taking any other mathematics courses for their program of study.

Orchestra-Advanced

Pre-Requisites: Audition or instructor permission is required.
Grade: 9-12, may be repeated Possible fees for use of school instruments and uniform cleaning that may be charged.
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

Advanced: This select orchestra consists of strings students who have a strong instrumental music background (other orchestral instruments will sometimes be added by the instructor.) Students will get a chance to sharpen their skills through challenging music and performances. All styles of orchestra music will be performed. Participation requires a commitment to performing both in class and outside of the school day. Opportunities to perform include (but are not limited to) festivals, contests, tours, and concerts.

Orchestra-Chamber

Pre-Requisites: Audition is required. Participation requires commitment to performing both in & outside of the school day.
Grade: 9-12, may be repeated Possible fees for use of school instruments and uniform cleaning that may be charged.
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

This select orchestra consists of strings students who have a strong instrumental music background (other orchestral instruments will sometimes be added by the instructor). Students will get a chance to sharpen their skills through challenging music and performances. All styles of orchestra music will be performed. Opportunities to perform include (but are not limited to) festivals, contests, and concerts.

Orchestra-Intermediate (Concert)

Pre-Requisites: None
Grade: 9-12, may be repeated Possible fees for use of school instruments and uniform cleaning that may be charged.
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

Students who play string instruments should enroll in this class (other orchestral instruments will sometimes be added by the instructor). Fundamentals of orchestra techniques will be introduced and explored. This is a great class to sharpen performance skills in order to audition for the select and more advanced ensemble. Various styles of orchestra music will be performed. Opportunities to perform include (but are not limited to) festivals, contests, sporting activities and concerts.

Painting-Intermediate

Pre-Requisites: Drawing, Sculpting & Painting, or a demonstrated understanding of the visual arts elements & principles
Grades: 9-12, may be repeated
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

Do you want to discover your talent? This class will introduce you to famous and unknown painters as you reveal your ability to play with color. Both acrylic and watercolor will be used in traditional and non-traditional methods. This class will continue to create portfolio pieces to be considered for AP submission.

Painting-Advanced

Pre-Requisites: Intermediate Paining a demonstrated understanding of the visual arts elements & principles
Grades: 10-12, may be repeated
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary

Students will apply the elements and principles of visual art by demonstrating a variety of painting techniques to create artwork. Subject matter will vary from still life to the human form to nature and abstract design. The study of art history, cultures, and artists will provide vocabulary skills and a foundation for students to discuss and evaluate their own work in a supportive atmosphere.

Not every class listed in this book will be offered every year.
Classes are dependent on the availability of teachers and the number of students interested in taking the class.

Photography (Digital)

Pre-Requisites: None
Grades: 9-12, may be repeated College credit available with our articulation agreement
Graduation Requirement Credit: Art, CTE
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

- Have fun taking pictures of your friends while learning basic photography skills…create wonderful portraits.
- Learn the latest software techniques and skills to modify and enhance your pictures…create works of art.
- Learn basic art elements, principles of design and photography composition to improve all your pictures…learn more advanced techniques.
- Create a portfolio of your favorite pictures…increase your employability.
- Enhance your pictures through lighting in our own studio.

You will take pictures and complete projects in our own studio. You will learn the fundamentals of digital cameras. Projects are centered around picture taking, lighting, lenses, scanning images and work in black and white and in color, with a greater emphasis on real world applications. You will also become an expert in Adobe Photoshop. Students will build a portfolio and will learn to do many things that relate to crafting digital imaging. All printing and processing of images will be done at computers and printers with Adobe Photoshop.

Physics

Pre-Requisites: Successful completion of Algebra 1
Grade: 10-12
Graduation Requirement Credit: Science This course is considered an algebra-based science.
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Business and Industry, Public Service, Multi-disciplinary, STEM

This introductory course builds on the physics concepts learned by students in prior grades and extends their understanding of these ideas through scientific inquiry. Course content focuses on concepts related to matter, energy, forces, and motion. Emphasis is placed on developing understanding of scientific principles. Students will learn through laboratory investigations that engage them actively in solving problems and applying their knowledge to new situations. Students find physics interesting because it relates to common everyday experiences such as an accelerating car. Students are also intrigued by less familiar topics like an orbiting satellite, or the way energy is transmitted by waves. This course will enable students to understand phenomena such as these in much the same way that early scientists discovered the underlying principles behind such phenomena.

Project Lead the Way (PLTW) Biomedical Science

Biomed: Principles of Biomedical Science

Pre-Requisites: None
Grades: 9-10
Graduation Requirement Credit: CTE, Science
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Business and Industry, Health Sciences, Multi-disciplinary, Public Service, STEM

In the introductory course of the PLTW Biomedical Science program, students explore concepts of biology and medicine to determine factors that led to the death of a fictional person. While investigating the case, students examine autopsy reports, investigate medical history, and explore medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, basic biology, medicine, and research processes while allowing them to design their own experiments to solve problems.

Biomed: Human Body Systems

Pre-Requisites: Principles of Biomedical Science
Grades: 10-12
Graduation Requirement Credit: CTE, Anatomy and Physiology
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Business and Industry, Health Sciences, Multi-disciplinary, Public Service, STEM

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

Biomed: Medical Interventions

Pre-Requisites: Human Body Systems
Grades: 11-12
Graduation Requirement Credit: CTE and Science
Career Pathway Cluster Options: Business and Industry, Health Sciences, Multi-disciplinary, Public Service, STEM

Students follow the life of a fictitious family as they investigate how to prevent, diagnose, and treat disease. Students explore how to detect and fight infection; screen and evaluate the code in human DNA; evaluate cancer treatment options; and prevail when the organs of the body begin to fail. Through cases, students learn about a range of interventions related to immunology, surgery, genetics, pharmacology, medical devices & diagnostics.

Biomed: Biomedical Innovation

Pre-Requisites: Principles of Biomedical Science, Human Body Systems, Medical Interventions, Advanced Science
Grades: 12
Graduation Requirement Credit: CTE and Science
Career Pathway Cluster Options: Business and Industry, Health Sciences, Multi-disciplinary, Public Service, STEM

In this final course of the sequence, students build on the knowledge and skills gained from previous courses to design innovative solutions for the most pressing health challenges of the 21st century. Students address topics ranging from public health and biomedical engineering to clinical medicine and physiology. Students will have the opportunity to work on an independent research project with a mentor or advisor from a university, medical facility or research institution.

Project Lead the Way (PLTW) Engineering

Computer Integrated Manufacturing

Pre-Requisites: PLTW Intro to Engineering Design or PLTW Principles of Engineering
Grades: 10-12
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Engineering, Business, and Industry, Multi-disciplinary, Public Service, STEM

Manufactured items are part of everyday life, yet few people understand the excitement and innovation that is used to transform ideas into products. Computer Integrated Manufacturing (CIM) deepens the skills and knowledge of an engineering student within the context of efficiently creating the products all around us. Students build upon their Computer Aided Design (CAD) experience through the use of Computer Aided Manufacturing (CAM) software. CAM transforms a digital design into a program that a Computer Numerical Controlled (CNC) mill uses to transform a block of raw material into a product designed by a student. Students learn and apply concepts related to integrating robotic systems such as Automated Guided Vehicles (AGV) and robotic arms into manufacturing systems. This course culminates with a capstone project where students design, build, program, and present a manufacturing system model capable of creating a product.

Engineering: Introduction to Engineering Design

Pre-Requisites: None
Grades: 9-10
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, Public Service, STEM

Students dig deep into the engineering design process, applying math, science, and engineering standards to hands-on projects. They work both individually and in teams to design solutions to a variety of problems using 3-D modeling software and use an engineering notebook to document their work.

Engineering: Principles of Engineering Physics

Pre-Requisites: None
Grades: 9-10
Graduation Requirement Credit: CTE, Physics
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, Public Service, STEM

Through problems that engage and challenge, students explore a broad range of engineering topics, including mechanisms, the strength of structures and materials and automation. Students develop skills in problem solving, research and design while learning strategies for design process documentation, collaboration, and presentation.

Engineering: Aerospace Engineering
Pre-Requisites: None
Grades: 11-12
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, Public Service, STEM

Aerospace: This course propels students' learning in the fundamentals of atmospheric and space flight. As they explore the physics of flight, students bring the concepts to life by designing an airfoil, propulsion system, and rockets. They learn basic orbital mechanics using industry-standard software. They also explore robot systems through projects such as remotely operated vehicles.

Psychology
Pre-Requisites: None
Grades: 10-12
Graduation Requirement Credit: ELECTIVE
Career Pathway Cluster Options: Education, Humanities
Psychology In this elective course, students will be introduced to basic areas in psychology, the study of human behavior. Areas covered include personality, sleep and dreaming, major theorists and theories, mental health, and disorders, learning and intelligence, research methods, criminal psychology, social psychology, sensation, and perception, as well as current issues in the psychology field. Prerequisite:

Sports Medicine and Sports Medicine Advanced
Pre-Requisites: None
Grades: 9-12, may be repeated Advanced Sports Medicine: Public Service, STEM Grades 10-12
Graduation Requirement Credit: CTE, Science
Career Pathway Cluster Options: Business and Industry, Multi-disciplinary

Sports Medicine teaches students components of exercise science/sports medicine including exploration of therapeutic careers, medical terminology, anatomy, physiology, first aid, injury prevention, the healing process, rehabilitation techniques, therapeutic modalities, and sports nutrition.
Sports Medicine Advanced is designed for students who wish to build upon their knowledge and skills learned in Sports Medicine. Components of exercise science/sports medicine include exploration of therapeutic careers, medical terminology, anatomy, physiology, first aid, injury prevention, the healing process, rehabilitation techniques, therapeutic modalities, and sport nutrition.

Stagecraft
Pre-Requisites: None
Grades: 9-12, may be repeated Some paid events are available to stagecraft students.
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Arts and Humanity, Business, and Industry, Multi-disciplinary

This technical, hands-on class takes students into the backstage world of theatre. Students learn how to operate the auditorium sound and light boards for outside events including plays, concerts, recitals, and meetings. Students will also learn how to operate power tools and construct sets, props, set pieces and more. Other units include design in lighting, sound, special effects, props, set, art, costuming, makeup, publicity, and hospitality.

Store Operations and Management (DECA Store)
Pre-Requisites: Business and Marketing A/B and teacher permission
Grades: 10-12
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Business and Industry, Multi-disciplinary

This class serves as an educational lab where students operate and manage the student enterprise, the DECA Store. Students work together to develop communication, team building and leadership skills. Students can work in the DECA Store handling money, ordering merchandise, maintaining inventory, and creating promotional campaigns. Students will also participate in DECA, the student leadership organization.

Theatre-Beginning, Intermediate, Advanced

Pre-Requisites: None; Intermediate or Advanced: Beginning Theatre or demonstration of the beginning theatre standards
Grade: 9-12, may be repeated
Graduation Requirement Credit: Art
College Entrance Requirement (CADR): Meets
Career Pathway Cluster Options: Arts and Humanity, Business, and Industry, Multi-disciplinary, Public Service

Beginning: This beginning course is designed to develop acting skills and gain a general knowledge of the theatre world. Special emphasis is directed toward concentration and development of characterizations. Theatre is a group activity class in which all students take an active part.
Intermediate: looks deeper into the fundamental skills and techniques used in the theatre. Special emphasis is directed toward the development of more advanced characterizations, basic set design, costuming, and make-up.
Advanced: takes a deeper look into all areas of the theatre. The first semester will involve study in the areas of make-up, set design, set construction, costumes, properties, acting, types of theatre and directing. Second semester will involve the practical application of the material learned during the first semester. Participation requires a commitment to performing both in class and outside of the school day.

TV/Video Production

Pre-Requisites: Filmmaking and instructor's permission
Grades: 10-12, may be repeated, College credit available
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Arts and Humanity, Business, and Industry, Multi-disciplinary, Public Service, STEM

Help shape the environment at Ferris. Do you want to produce the news? Are you interested in electronic journalism as a career? Inform and entertain through visual story telling …Join us at the Ferris Movie Studio—where we make movies that matter!

You will learn the fun of creating television shorts for the school news show. Responsibilities include producing, directing, editing, sound mixing, camera operations and news anchoring. We "broadcast" three days a week to nearly 1,800 audience members. Through producing special community projects, you can augment your college applications/ portfolios.

United States History

Pre-Requisites: None
Grades: 11
Graduation Requirement Credit: US History
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Multi-disciplinary, Public Service

United States History explores a combination of U.S. history and government, 1890 to the present. Students consider multiple accounts of events and issues in order to understand the politics, economics, geography, and history of this country from a variety of perspectives. In addition, students examine the state and national constitutions and treaties and how these documents govern the rights and responsibilities of all residents and citizens in Washington and the rest of the United States.

US History Perspectives

Pre-Requisites: None
Grades: 11
Graduation Requirement Credit: US History
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Multi-disciplinary, Public Service

US History Perspectives explores the history of our nation from 1491 to the present by including first-person stories of Americans from many backgrounds and experiences. This course considers multiple accounts of events and issues in order to understand the politics, economics, geography, and history of this country from a variety of perspectives. Students investigate different historical accounts intentionally chosen to include experiences of groups often marginalized in American society. Through a balance of critically examining the realities of US History and celebrating the courageous perseverance of individuals and movements, students will take learning beyond the classroom using school knowledge and skills to identify, analyze and solve real-world problems. This course encourages critical thinking, document analysis and the development of writing skills.

Woods (Manufacturing/Material Processing Woods and Composites Technology) **and Woods-Advanced**

Pre-Requisites: None
Grades: 9-12 Students are responsible for the cost of the materials for their projects.
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Business and Industry, Multi-disciplinary, STEM

Wood is often considered the "master" building material. The first thing you made and viewed with pride was probably constructed with wood. This course will introduce you to the machines used to make woodworking easier. Students will learn safety for protection, methods of construction to assist in engineering the maximum strength and utility of wood projects for the minimum expenditure of time and money. This course is designed to give students the understanding of manufacturing principles and the role of processing materials.
Woods-Advanced: Grades 10-12 Using skills you developed from the first woodworking classes, you gain an understanding for building fine woodworking projects. With an emphasis on carpentry and cabinetry. Students will design, estimate costs, and fabricate projects of their choice while learning more advanced techniques, uses of materials and application of basic and advanced skills.

World History

Pre-Requisites: None
Grades: 10
Graduation Requirement Credit: World History
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service

The World History course will ask students to engage in the civics, geography, history, and economy of a variety of cultures through a variety of times, often through a project-based format. Special attention will be given to helping students work with their informational reading and writing skills throughout the year.

World Language- Year 1 Sign Language (ASL)

Pre-Requisites: None
Grade: 9-12
Graduation Requirement Credit: Elective
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

Welcome to American Sign Language! This course is designed to explore and discover ASL and Deaf culture. ASL is approved by the College Board to meet the foreign language college entrance requirement. In this class you will learn to develop communication skills using your hands, face, body, eyes, and personal space! You will learn basic vocabulary, grammar, and culturally appropriate uses of ASL through everyday conversation. This course will encourage small and large group activities to develop proficiency in expressive and receptive communication while building an awareness and appreciation for Deaf culture. Learn to "hear" with your eyes!

World Language- Year 1 French, Japanese, and Spanish

Pre-Requisites: None
Grade: 9-12
Graduation Requirement Credit: Elective
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

The first year is a highly communicative introduction to the language. As a student, you will learn to understand and converse in real life situations using authentic expressions. You will be able to order food, shop, find your way around a foreign city and make new friends. You will read short stories and articles, learn to pronounce the language, and write everything from postcards to paragraphs. As you immerse yourself in the culture and customs of the language, you will begin to develop an appreciation of its music, art, foods, and folklore.

World Language- Year 2 American Sign Language (ASL)

Pre-Requisites: Successful completion of a 1st year Sign Language
Grade: 9-12
Graduation Requirement Credit: Elective
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

Welcome to American Sign Language II at Ferris! ASL II will be a rigorous continuation of ASL I where students will expand their knowledge of the visual and gestural language of the Deaf community. This course is designed to deepen the understanding of topics, vocabulary, grammar, and culturally appropriate uses of ASL. Throughout the year, we will develop and emphasize the goals based on the National Standards for Foreign Language Learning in the 21st Century:

World Language- Year 2 French, Japanese, Spanish

Pre-Requisites: Successful completion of a 1st year World Language
Grade: 9-12
Graduation Requirement Credit: Elective
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

Second year study enables students to expand vocabulary and delve further into grammar study. As you increase your ability to understand, you will be speaking with more confidence and complexity. In addition, you will read short selections and stories at more advanced levels. Classwork will be conducted in the language as much as possible to provide practice in expression and comprehension. Your cultural awareness expands through a multimedia, hands-on approach.

World Language- Year 3 Honors French, Japanese, Spanish

Pre-Requisites: Successful completion of a 2nd year World Language, Pre-course summer assignment
Grade: 9-12 **Note**: some universities require three years of a world language for admission.
Graduation Requirement Credit: Elective
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

Let the fiesta begin! The third year of language is when all the pieces of language come together. You will read great literature, watch, and comprehend foreign films, surf the net, and be able to truly connect with native speakers. Third year language study offers students the opportunity to go beyond the basics and attain a higher level of fluency and competency in all language skills. Activities may include creative, self-directed projects and presentations. Students will be encouraged to communicate predominantly in the language. Students will read authentic pieces of literature, watch, and comprehend foreign films, learn sophisticated vocabulary, grammar, syntax and speak and learn totally in the target language.

World Language- Year 4 Honors/AP Option French, Japanese, Spanish

Pre-Requisites: Successful completion of a 3rd year World Language, Pre-course summer assignment
Grade: 9-12 **Year 4 prepares students to take the AP Exam in the spring.**
Graduation Requirement Credit: Elective Classes are conducted entirely in the target language, with rare exception.
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

You are now ready to let the language work for you. Fourth-year courses enable students to attain a high degree of proficiency in speaking, reading, writing, and understanding the language. Practice in listening, conversation skills and reading original articles or literature is emphasized along with deeper understanding of history and traditions. The text studies many places/areas of these world languages world, looking at each regions' culture, geography, and history. Students work through authentic news articles that come from that part of the world as well as poetry and prose that originates from the area being studied.

World Language and Culture/World Literature and Culture Spanish (AP Option)

Pre-Requisites: Successful completion of a 4th year Spanish
Grade: 9-12 Spanish Year 5 prepares students to take the AP Exam in the spring.
Graduation Requirement Credit: Elective
College Entrance Requirement (CADR): Meets (☒ NCAA)
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

The target language is the exclusive language of communication where students are immersed in an environment enriched by authentic materials (literature, online journals, newspaper articles, podcasts music and film), guest speakers from our own community and active student-teacher/student-student communication. Students prepare to use the target language as effective communicators in real-life setting via variety of opportunities to achieve proficiency in each of the ACTFL's (American Council on the Teaching of Foreign Language) three modes of communication. Focus will be on the 5 themes of every AP language course: Beauty/Esthetics, Contemporary Life, Families/Communities, Global Challenges, Personal/Public Identities and Science/ Technology. Students engage in discussions, reflective writing and prepare presentations where they will make cultural comparisons regarding the products, practices, and perspectives of countries where their language is spoken and those of their own communities. Literature, arts, and media give students exposure to practices and perspectives of many other countries around the world.

Yearbook Photography/Journalism/Art

Pre-Requisites: Application and Instructor Permission
Grades: 9-12, may be repeated
Graduation Requirement Credit: CTE
Career Pathway Cluster Options: Arts and Humanities, Business, and Industry, Multi-disciplinary, Public Service, STEM

- ✓ *Do you like to take pictures or to report on school events/activities?*
- ✓ *Are you interested in a career in photo/journalism?*
- ✓ *Do you want to be part of the yearbook team?*
- ✓ *Much of the work must be done independently outside of school and/or class time.*

Yearbook allows you to make friends and be a part of a team of photographers, journalists and artists that take pride in the publication of **the Exeter**. You will learn the fundamentals of Adobe Photoshop, and Adobe In-Design which are industry software standards. You will have projects centered on picture taking, getting the story, and designing spreads for the yearbook. Students are hand-picked and must be willing to put in extra hours. They must be creative, show graphic art abilities. They must be dedicated and responsible for making deadlines. Making extra effort to get the story and write beyond the obvious is something we strive for on every page

SPECIAL PROGRAMS

For the following programs, please see your counselor for information about admission requirements.

iCAN: The iCAN (Individual Credit Advancement Now) program provides online credit recovery opportunities using special web-based coursework developed by SVL. iCAN classes help students meet their on-time graduation goals. Classes are available during the school day and after school.

NEWTECH Skill Center: NEWTECH is a high quality, tuition free, technical, and professional training center. The Skill Center is designed to help students get a head start on their career goals by providing focused training in specific professional areas. Programs are designed in three period blocks allowing extended time to learn theory and get real world, hands-on experiences. Ferris students may attend the first three periods at NEWTECH and have 4th-6th periods at Ferris **or** have periods (0) 1-3 at Ferris and attend the last three periods at the Skill Center. In addition, students typically also need to take another required class through SVL or CBE to meet graduation requirements. Transportation is provided during the school year. Grades: 11-12 (Summer classes available for all grades.)

Running Start: Running Start allows eligible students to enroll in college level (100 or higher) courses or programs at the Community Colleges of Spokane or Eastern Washington University. Both high school and university/college credits may be obtained for successfully completed courses. The course and grade received become a permanent part of the student's high school and college transcript. Transportation, fees, books are not provided. Grades: 11-12

SVL: The Spokane Virtual Learning (SVL) program is a web-based educational project that provides instructor-led online courses to students. SVL presents students with an interactive learning experience, not a textbook online.

EXAMPLES of **CORE** class sequence to take each year of high school
(Read the pre-requisites for classes)

***teacher recommendation only*

	9th Grade	10th Grade	11th Grade	12th Grade
English	English 9 English 9 Honors	English 10 English 10 Honors	English 11 AP English Language	Bridge to College English English 12: Creative Writing English 12: Mythology English 12 Writing on Film AP English Literature
Math	Algebra 1	Geometry	Algebra 2 Intermediate Math**	Math 107 AP Statistics AP Pre-Calculus Algebra 2
	Geometry	Algebra 2	AP Pre-Calculus	AP Calculus AB/BC AP Statistics
	Algebra 2	AP Pre-Calculus	AP Calculus AB/BC AP Statistics	AP Calculus AB/BC AP Statistics
History	None	World History AP World History	**OPTIONS:** US History US History Perspectives AP US History (Civics/CWA)	**OPTIONS:** Civics/CWA AP US Govt'/AP Comp Gov't
	AP World History	(take another elective course)		
Science	Biology	Chemistry Environmental Chemistry** Anatomy and Physiology AP Biology Physics PLTW Engineering 1 Sports Medicine	**OPTIONS**: available for 11th and 12th AP Biology AP Chemistry AP Environmental Science AP Physics Sports Medicine-Advanced Anatomy and Physiology Chemistry Applied Field Science Physics	
	PLTW Biomedical 1	PLTW Biomed 2 + additional science recommended	PLTW Biomed 3 + additional science recommended	PLTW Biomed 4 + additional science recommended

Examples of elective classes to take each year of high school….				
	9th Grade	**10th Grade**	**11th Grade**	**12th Grade**
Business	Business and Marketing Accounting	Business and Marketing Adv. Business-Marketing	Store Operation & Mgmt. Ind Business Project	Adv. Business-Marketing AP Stats
Computers		AP Computer Science Principles	AP Computer Science Principles	AP Computer Science Principles
Culinary	Foods & Nutrition./ Internat'l Foods	ProStart 1	ProStart 2	ProStart Intern
Digital Photo	Digital Photography Yearbook	Digital Photography Yearbook	Digital Photography AP Studio 2D: Photo Yearbook	Digital Photography AP Studio 2D: Photo Yearbook
Education	Child Development	Early Childhood Education	Early Childhood Edu	Early Childhood Educ AP Psychology
Filmmaking	Filmmaking	Filmmaking	TV Broadcast (FIN) Writing on Film	TV Broadcast (FIN) Eng 12: Wrtg on Film
Fine Arts #1 (art)	Drawing/Sculpt/Painting Drawing	Ceramics Painting	Drawing or Painting AP Studio 2D	AP Studio 3D Ceramics
Fine Arts #2 (instrumental)	Band-Intermediate Orchestra-Intermediate Jazz Band Percussion Ensemble Guitar Lab	Band-Wind Ensemble Orchestra-Advanced Jazz Band Percussion (Adv) Guitar Lab	Band-Wind Ensemble Orchestra-Advanced Jazz Band Percussion (Adv) Guitar Lab	Band-Wind Ensemble Orchestra-Advanced Jazz Band Percussion (Adv) Guitar Lab
Fine Arts #3 (choir/vocal)	Intermediate Jazz Choir	Symphonic Adv Sm Vocal Ens (Belles) Jazz Choir (Camerata) Choir (Lunch Bunch) Int Vocal Ens (Knights) Vocal Ensemble (Show)	Symphonic Adv Sm Vocal Ens Belles) Jazz Choir (Camerata) Choir (Lunch Bunch) Int Vocal Ens (Knights) Vocal Ensemble (Show	Symphonic Adv Sm Vocal Ens (Belles) Jazz Choir (Camerata) Choir (Lunch Bunch) Int Vocal Ens (Knights) Vocal Ensemble (Show)
Leadership	Debate AVID 9	Debate AVID 10	Leadership Debate AVID 11	Leadership Debate AVID 12
PLTW-Biomed	Principles of Biomed	Human Body Systems	Medical Interventions	Biomedical Innovation
PLTW-Pre-engineering	Intro to Engineering Design	Principles of Engineering	Civil Engineer Architecture Aerospace Engineering	Aerospace Engineering Civil Engineer Architecture
Theatre	Theatre-Beginning Stagecraft	Theatre -Intermediate Stagecraft	Theatre -Advanced Stagecraft	Theatre -Advanced Stagecraft
Woods (Mfg.)	Woods	Advanced Woods	Advanced Woods	Advanced Woods
World Languages (Spanish in 8th - 5th year possible)	French 1 ASL 1 Japanese 1 Spanish 1	French 2 Japanese 2 Spanish 2 ASL 2	French 3 Honors Japanese 3 Honors Spanish 3 Honors ASL 2	French 4 Honors/AP Japanese Honors/AP Spanish Honors/AP
"Sampler" Elective (Any combination)	Woods Various Bands/Choirs Theatre	Foods/Nutrition Child Development Various Bands/Choirs Drawing/Sculpt/Painting	Filmmaking Ceramics Various Bands/Choirs	Photo Drawing Various Bands/Choirs Yearbook

Fine Arts Choices (1 credit minimum)		**Career & Technical (CTE) Choices (1 credit required)**	
AP Digital Photo	Drawing, Painting, Sculpting	AP Computer Science Principles	Mfg./Material Proc (Woods)
Bands	Guitar Lab	Business/Marketing 1-4	PLTW Biomed 1-4 years
Ceramics	Orchestra	Child Development	PLTW Engineering 1-4 years
Choirs	Percussion	Digital Photo (AP)	ProStart
Digital Photo	Theatre	Early Childhood	Sports Med (Adv)
Drawing		Filmmaking	Stagecraft
		Foods and Nutrition	TV/Video Production (FIN)
			Yearbook