

Dear Student & Parent/Guardian,

We are pleased to present an annually revised registration booklet to aid you and your student in drafting course requests for the upcoming school year.

This course registration booklet will be available in hard copy in each classroom and office at FFHS. It will also be linked online via the guidance website. While many scheduling questions may be answered via email, students are encouraged to meet individually or in small groups with Mrs. Shultz to discuss scheduling. Parents wishing to interact with Mrs. Shultz may call (740-984-2376 x1229) to make a separate appointment or email (marybeth.shultz@fortfrye.org) questions regarding scheduling.

Selected courses have prerequisites that must be met prior to the student registering. Please review all academic requirements prior to selecting these courses. Students who do not meet these standards need to choose another class. Students seeking college courses must meet college entrance requirements set by the college granting credit. Those requirements were made available during the College Credit Plus meeting.

The administration and faculty of Fort Frye High School believe strongly that one of our major responsibilities is to help students prepare for their futures by encouraging and guiding them toward making sound decisions in regard to their educational and career choices. The decisions your student makes now in regards to their educational plan can influence the paths that are open to them at the time they graduate from high school.

We encourage you to work very closely with your student during the scheduling process in order to map out a tentative course plan for their years at Fort Frye High School. By working together, we hope to provide for your student the high school background they need in order to pursue their goals. Students are often reminded, "It's part of life to change your mind and make mistakes. However, it may cost you time, money, and/or relationships."

Sincerely,

Mary Beth Shultz
School Counselor

Andy Schob
Principal

Please Note: These are proposed courses for the upcoming school year. Actual courses offered will depend on staffing numbers and student enrollment.

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The Fort Frye Board of Education provides equal educational opportunities without regard to race, color, national origin, sex or disability (Title VI, VII, IX and Section 504).

Fort Frye High School

Registration Booklet 2024-2025

Scheduling Requirements

- Maximum credit course load is 7 periods. This could mean 9+ credits for students in College Credit Plus (CCP).
- Minimum credit course load is 5 credits per ODEW guidelines however FFHS administration has set the following rules for study hall. All students will have a not for credit CADET Period.
 - Seniors---2
 - Juniors---1
 - Sophomores---0
 - Freshmen---0

Schedule Changes

- A student may add/drop a class not required for graduation during the first five school days of a semester. Parent permission to change schedules is generally required. The guidance office must approve changes after consultation with administration. Period changes are not permitted for the same course.
- A penalty free drop is allowed only within the 1st five weeks of the course. After five weeks, if the teacher, counselor, administrator, parent, and student all agree that the course is not appropriate, one of the parties listed above may notify the Guidance Office and make a request to change the course. If a course is dropped after the fifth week, the student may receive an "F" for the semester.

Grade Level Classification

Freshman	Sophomore	Junior	Senior
promoted from 8 th grade	5 credits	10 credits	15 credits

Special Education and Inclusion Services

The Fort Frye special education department provides every opportunity for students to reach their maximum potential.

Special education services are available for students who are eligible through the decision of a Multifactorial Evaluation Team. If you are having difficulty, please see a teacher, the school counselor, or the principal for intervention assistance.

Intervention Specialists serve a variety of students. Intervention services may be available in the following content areas: English, Math, Science, and Social Studies. Students are scheduled in one of three ways;

- Self-contained English and Math classes are offered in the special education resource room and are taught by a highly qualified intervention specialist. Class sizes are kept small to facilitate learning and instruction is geared toward a student's individualized needs as identified in the Individualized Education Plan (IEP).
- Inclusion classes may be offered in all subjects as stated above. Intervention specialists are paired with the regular classroom teacher to provide instruction and assistance for all students. Instruction may be delivered through small group instruction, cooperative learning, and/or one-to-one assistance.

- General education classes are offered with the support of Intervention Specialists who will be available to help meet the requirements of students with special learning needs.

Online Learning---PEAK

An online course option will be used for credit recovery and elective expansion. All options require the authorization of the Building Principal and the School Counselor. If a course is available on campus, then students currently on campus will be enrolled in that course when possible. NCAA does not accept online courses.

College Credit Plus (CCP)

CCP can help students earn college and high school credits at the same time by taking college courses from community colleges or universities. Details are available at the Ohio Department of Education and Workforce Webpage. This link is on the FFHS Guidance Webpage. (<https://www.fortfrye.k12.oh.us/o/ffhs/page/college-credit-plus>)

Students must meet the college's eligibility criteria for the CCP program. Students and parents each year are encouraged to attend a state mandated meeting in the High School Auditorium and file a letter of intent to participate in CCP courses with the Guidance Office by April 1. Meeting notes are linked on the guidance website.

Credit Flex

Credit Flexibility is an option available to students. Students may "test out" or create their own "flex plan" to receive credit for a course. In order to participate, students must turn in a completed Fort Frye High School Flex Plan Application, meet established course prerequisites, and possess sufficient skills and abilities necessary for independent work. Applications are available in the guidance office.

Credit Flexibility is an option available to all students; however, it is not intended to be used for credit recovery. Also, potential NCAA athletes should carefully review course restrictions which may include Credit Flex courses. Interested students and parents should make an appointment with the building principal or school counselor to discuss this option.

Driver's Education

FFLS partners with MOVESC to offer Driver's Education. Students must be 15 1/2 years old with a driving permit. The course content is online. Drive time is with a certified instructor. The total cost is \$350. Financial aid is available for those who qualify. For more information or to get registered, please contact Suzi White suzan.white@fortfrye.org.

Marietta College Bridges to Teaching

Beginning in the Fall of 2023, Marietta College's Education Department will offer College Credit Plus courses in the field of Education online to high school juniors and seniors across the state of Ohio. All courses are asynchronous and there is no cost to high school juniors and seniors. EDUC 130: Technology in the Classroom (Fall) EDUC 202: Educational Psychology (Spring)

For more information about the Marietta College Education program or these CCP courses, contact Dr. Tanya Judd at tj002@marietta.edu.

Program Requirements

Program Admission

- 3.0 unweighted cumulative GPA at your high school

NOTE: Eligibility criteria are described in full at <https://www.marietta.edu/ccp>

Where Do I Sign Up?

- To find out more about CCP at Marietta College, visit: <https://www.marietta.edu/ccp>
- To apply to take CCP classes at Marietta College, visit: <https://apply.marietta.edu/register/ccp>

The teacher shortage crisis facing the United States is reaching crisis levels, and Marietta College is proud to be offering two Education courses through the College Credit Plus (CCP) program in order to help accelerate the preparation of teachers in the state of Ohio.

Since we are able to offer these courses through the CCP program, the courses are offered for FREE to all Ohio juniors and seniors who meet the Marietta College CCP admission requirements.

Below are the classes we are now offering. Please note that both are part of the Ohio Transfer Modules, meaning that these courses transfer to all Ohio public universities, but we hope you will see the strength of Marietta College and will complete your educator preparation as a Pioneer!

EDUC 130: Technology in the Classroom (Fall)

This course explores how technology may be used as a tool in the 21st Century classroom to facilitate changes in the way teachers teach and students learn, and ultimately to stimulate positive changes in education. It also examines how educators can increase their own productivity by using technology for communication and collaboration among colleagues, staff, parents, students, and the larger community.

EDUC 202: Educational Psychology (Spring)

Human development and behavior of individual (both typical and non-typically developing) from birth through adolescence as affected by heredity, development, and training. Emphasizes research-based and practical aspects of readiness, aptitude, interests, and social adjustments, as well as findings of modern theories of learning related to children.

CCP Eligibility

- Have a 3.0 unweighted cumulative GPA at your high school

To find out more about CCP at Marietta College scan here, or visit:
<https://www.marietta.edu/ccp>

To apply to take CCP classes at Marietta College scan here, or visit:
<https://apply.marietta.edu/register/ccp>

MC CCP Contacts

- Christy Burke, Director Ed Abroad/Graduate Recruitment: cb002@marietta.edu
- Tina Hickman, Registrar: perduet@marietta.edu

**Associate of Arts Transfer in Liberal Arts
15 hour and 30 hour Pathway
Washington State Community College
Fort Frye High School**

15+ Hour Pathway					
Course Name	Course Number	Prerequisite	Credit Hours	College	Delivery Method
English Comp I	ENGL 1510	College Readiness	3	WSCC	Baker
College Algebra or Quantitative Reasoning	MATH 2130 MATH 2140	College Readiness	4 3	WSCC	WSCC
American Government	POLS 1020	College Readiness	3	WSCC	Bennett
Survey of American Literature I	LITR 2100	ENGL 1510 English Comp I	3	WSCC	Online
PC Apps	BUSM 1600	No Pre-req	3	WSCC	Scott

30+ Hour Pathway (Includes courses from 15 hour pathway above)					
Course Name	Course Number	Prerequisite	Credit Hours	College	Delivery Method
Precalculus	MATH 2150	College Readiness	5	WSCC	Sleek
Principles of Statistics	MATH 2110	College Readiness	3	WSCC	Sleek
Survey of British Lit I	LITR 2200	ENGL 1510 English Comp I	3	WSCC	Online
Speech	SPCH 1510	ENGL 1510 English Comp I	3	WSCC	Online
State and Local Government	POLS 1030	College Readiness	3	WSCC	Bennett

**Associate of Arts Transfer in Education
15 hour and 30 hour Pathways
Washington State Community College
Fort Frye High School**

15 Hour Pathway					
Course Name	Course Number	Prerequisite	Credit Hours	College	Delivery Method
English Comp I	ENGL 1510	College Readiness	3	WSCC	Baker
Speech	SPCH 1510	College Readiness	3	WSCC	Online
National Gov't or State and Local Gov't	POLS 1020 or POLS 1030	College Readiness	3	WSCC	Bennett
Intro to Teaching	EDUC 1000	College Readiness	3	WSCC	WSCC
Exceptional Learners	EDUC 2100	College Readiness	3	WSCC	WSCC

30+ Hour Pathway (Includes courses from 15 hour pathway above)					
Course Name	Course Number	Prerequisite	Credit Hours	College	Delivery Method
College Algebra or Quantitative Reasoning or math elective	MATH 2130 MATH 2140	College Readiness	4 3	WSCC	WSCC
PC Apps	BUSM 1600	College Readiness	3	WSCC	Scott
English Comp II	ENGL 1520	ENGL 1510 English Comp I	3	WSCC	Baker
Survey of American or British Literature	LITR 2100 or LITR 2200	ENGL 1510 English Comp I	3	WSCC	Online
General Psychology	PSYC 1010	College Readiness	3	WSCC	Online
Ed Tech	EDUC 1700	College Readiness	3	WSCC	WSCC
Educational Psychology	EDUC 202	College Readiness	3	WSCC	Online

Associate of Arts Transfer in Business Administration
15 hour and 30 hour Pathways
Washington State Community College
Fort Frye High School

15 Hour Pathway					
Course Name	Course Number	Prerequisite	Credit Hours	College	Delivery Method
English Comp I	ENGL 1510	College Readiness	3	WSCC	Baker
Business Management I	BUSM 1550	College Readiness	3	WSCC	Online
Survey of American Literature	LITR 2100	ENGL 1510 English Comp I	3	MC	Online
Principles of Macroeconomics	ECON 2120	College Readiness	3	WSCC	Online
PC Apps	BUSM 1600	College Readiness	3	WSCC	Scott

30+ Hour Pathway (Includes courses from 15 hour pathway above)					
Course Name	Course Number	Prerequisite	Credit Hours	College	Delivery Method
English Comp II	ENGL 1520	ENGL 1510 English Comp I	3	WSCC	Baker
National Gov't or State and Local Gov't	POLS 1020 or POLS 1030	College Readiness	3	WSCC	Bennett
College Algebra or Quantitative Reasoning	MATH 2130 MATH 2140	College Readiness	4 3	WSCC	WSCC
Survey of British Literature	LITR 2200	ENGL 1510 English Comp I	3	WSCC	Online
Intro to Finance	BUSM 2300	College Readiness	3	WSCC	Online

**Associate of Arts Transfer in Science
15 hour and 30 hour Pathways
Washington State Community College
Fort Frye High School**

15 Hour Pathway					
Course Name	Course Number	Prerequisite	Credit Hours	College	Delivery Method
Gen Bio I	BIOL 1100/L	College Readiness	4	WSCC	WSCC
English Comp I	ENGL 1510	College Readiness	3	WSCC	Baker
Stats Coll Alg	MATH 2110 MATH 2130	College Readiness	4	FFHS WSCC	Sleek Online
Intro Ethics	PHIL 1300	College Readiness	3	WSCC	Online
Speech	SPCH 1510	College Readiness	3	WSCC	Online

30+ Hour Pathway (Includes courses from 15 hour pathway above)					
Course Name	Course Number	Prerequisite	Credit Hours	College	Delivery Method
Gen Bio II	BIOL1111/L	College Readiness	4	WSCC	WSCC
Fund Chem	CHEM 1510/L	College Readiness	4	WSCC	WSCC
English Comp II	ENGL 1520	College Readiness	3	WSCC	Baker
Gen Psyc	PSYC 1010	College Readiness	3	WSCC	Online

Fort Frye GPS Pathway

		Cyber Security	Education	Criminal Justice
Freshman	Fall	BUSM 1600	BUSM 1600	BUSM 1600
	Spring	PSYC 1010	PSYC 1010	PSYC 1010
Sophomore	Fall	SPCH 1510	SPCH 1510	SPCH 1510
	Spring	PHIL 1300	ART 1000	PHIL 1300
Junior	Fall	CYBS 1010	EDUC 1000	CRJU 1010
		POLS 1020	POLS 1020	POLS 1020
		CYBS 1020	MUSC 1200	CRJU 2550
	Spring	ENGL 1510	ENGL 1510	ENGL 1510
		CYBS 1240	EDUC 1560	CRJU 1510
	All Year	MATH 2110	MATH 2110	MATH 2110
Senior	Fall	CYBS 1030	EDUC 1020	CRJU 1210
		CRJU 1110	EDUC 2100	CRJU 1110
	Spring	CRJU 1120	EDUC 1700	CRJU 1120
			EDUC 2110	SOCI 2300
			ENGL 1520	ENGL 1520
KEY:	Taught at Fort Frye		Taught at Fort Frye Taught F2F on FF campus by WSCC Faculty	
All courses in red will be taught online.				

Source for Statistical Data was obtained from:

OhioMeansJobs ohio.gov/jobs/resources/ohio-means-jobs-book

OhioJobOutlook_2030.pdf

U.S. Bureau of Labor Statistics bls.gov

**Agriculture Career Technical Pathway for Graduation
ODEW A0 Student Checklist
03MC Agribusiness and Production Systems**

- Students must successfully complete 4 of the 8 VT classes listed in the table while also meeting the assessment criteria for the corresponding course WebXams. Students who earn 12+ points through the corresponding State Board of Education-approved industry-recognized credential or group of credentials in a single career field and achieve a workforce readiness score will be awarded an Industry Credential and Ohio Seal.
- Students successfully completing this pathway and who wish to earn a Diploma with Honors may in addition to the other Diplomas with Honors use the Career Technical Diploma with Honors checklist.

Level	Course #	Course Name	Course Code	WebXam	Passing Score
I	102/3	Agriculture, Food, and Natural Resources VT	010105	AAL5	>=59
II	104/5	Animal and Plant Science VT	010125	AAN5	>=62
III	148/9	Environmental Science for Agriculture and Natural Resources VT	010720	ADH0	>=59
	112/3	Mechanical Principles VT	010120	AAN0	>=67
	152/3	Science and Technology of Food VM&VT	011010	AEP0	>=61
	146/7	Animal Health VT	010915	AED5	>=54
	140/1	Livestock Selection, Nutrition, and Management VT	010920	AEE0	>=53
	132/3	Agricultural Business VT	010115	AAM5	>=63
Fine Arts waiver for traditional diploma: 1 CTE Pathway Course = 1 Fine Arts			WebXam Score Total Total >= 12		_____

**Engineering Design Career Technical Pathway for Graduation
ODE F6 Eng and Science Technologies Student Checklist
26MC Engineering Design**

- Students must successfully complete 4 of the 6 VT classes listed in the table while also meeting the assessment criteria for the corresponding course WebXams. Students who earn 12+ points through the corresponding State Board of Education-approved industry-recognized credential or group of credentials in a single career field and achieve a workforce readiness score will be awarded an Industry Credential and Ohio Seal.
- Students successfully completing this pathway and who wish to earn a Diploma with Honors may in addition to the other Diplomas with Honors use the Career Technical Diploma with Honors checklist.

Level	Course #	Course Name	Course Code	WebXam	Passing Score
I	900/1	Pre-Engineering Technologies VM	175015	NA	NA
II	902/3	Engineering Principles VT	175002	LNx2	>=65
III	904/5	Robotics VT	175004	LNx4	>=65
	906/7	Manufacturing Operations VT	175003	LNx3	>=60
	908/9	Engineering Design VT	175001	LNx1	>=65
	910/11	Biomedical Engineering VT	072115	EGA5	NA
	912/13	Welding Technologies VM&VT	176009	LNG9	>=65
Fine Arts waiver for traditional diploma: 1 CTE Pathway Course = 1 Fine Arts			WebXam Score Total Total >= 12		_____

**Visual Arts Career Technical Pathway for Graduation
ODEW B2 Student Checklist
18MD Visual Design and Imaging**

- Students must successfully complete 4 of the 8 VT classes listed in the table while also meeting the assessment criteria for the corresponding course WebXams. Students who earn 12+ points through the corresponding State Board of Education-approved industry-recognized credential or group of credentials in a single career field and achieve a workforce readiness score will be awarded an Industry Credential and Ohio Seal.
- Students successfully completing this pathway and who wish to earn a Diploma with Honors may in addition to the other Diplomas with Honors use the Career Technical Diploma with Honors checklist.

Level	Course #	Course Name	Course Code	WebXam	Passing Score
I	200/1	Art I VM&VT	340315	SKW5	>=52
II	210/1	Art II VT Art Independent Study VT	340001	SJL1	>=62
	220/1	Art III VT	340310	SKW0	>=57
III	230/1 232/3 212/3 215/6	Art IV VT Adv Drawing/Painting VT Art V VT	340315	SKW5	>=52
	208-9	Business of Arts and Communications VT	340006	SJL6	>=62
			WebXam Score Total Total >= 12 for 4 tests w/ distinct course codes		_____

Traditional Information for Meeting WSCC CCP Eligibility and CCP Course Enrollment

- Below are the WSCC CCP Courses offered @ FFHS traditionally taken at this grade level.
- Testing is permitted only after WSCC paperwork/online apps are completed.
- If you do NOT test college ready for any desired course then after 2 hours of documented review you may request to retest.
- If you wish to attend classes @ WSCC then the test may still be taken @ FFHS.
- WSCC CCP Advisor is Jacklyn Callihan. All online and face to face WSCC courses must be coordinated with a WSCC Advisor. All FFHS on campus course will be coordinated via the guidance office.

Gr	Prof	Course	Semester	Acc Test	Min Score	CCP Eligibility Rules
9-12	Scott	PC Apps Business EXCEL	1 st 2 nd	Reading	250	(a) Obtains a remediation-free score on one of the standard assessment exams...; (b) Has a cumulative unweighted high school grade point average of at least 3.00; or (c) Has a cumulative unweighted high school grade point average of at least 2.75 but less than 3.00 and received an "A" or "B" grade in a relevant high school course.
10	Bennett	American History	all year			
11	Bennett	American Government	1 st National 2 nd State/Loc			
11-12	Baker	Composition	1 st Comp I 2 nd Comp II	WritePlacer	5	
11-12	Sleek	PreCalculus Statistics	all year all year	QAS Quantitative Reasoning, Algebra, & Statistics	263 College Level (QAS)	



Fort Frye High School

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Graduation Requirements

3 Parts including Academics, Assessments, and Seals

I. Cover the Basics

Seniors in the Job Market

All seniors must satisfactorily complete the Seniors in the Job Market program.

Academics

See clarifying notes in table below.

English Language Arts	4.0	units
Health	0.5	unit
Mathematics	4.0	units
Physical Education	0.5	unit
Science	3.0	unit
Social Studies	3.0	units
Financial Literacy	0.5	unit
Fine Arts	1.0	unit
Electives	4.5	units
	21.0	units

Subject	Note
Financial Literacy and Fine Arts	All students must receive instruction in economics and financial literacy during Grades 9-12 and must complete at least two semesters of fine arts taken any time in Grades 7-12. A Fine Arts waiver for the traditional diploma: 1 CTE Pathway Course = 1 Fine Arts.
Math	One of the four math credits must be Algebra 2 or equivalent.
Science	Science units must include one unit of physical sciences, one unit of life sciences and one unit advanced study in one or more of the following sciences: chemistry, physics or other physical science; advanced biology or other life science; astronomy, physical geology or other earth or space science.
Social Studies	Social studies units must include $\frac{1}{2}$ unit of world studies, $\frac{1}{2}$ unit of American history, and $\frac{1}{2}$ unit of American government.
Electives	Electives units must include one or any combination of foreign language, fine arts, business, career-technical education, family and consumer sciences, technology, agricultural education or English language arts, mathematics, science or social studies courses not otherwise required.
Physical Education	School districts may adopt a policy that would exempt students who participate in interscholastic athletics, marching band, or cheerleading for two full seasons or an approved Junior Reserve Officer Training Corps (JROTC) program for two years from the physical education requirement. Students must take another course, which cannot be a physical education course, of at least 60 contact hours.

II. Show Competency

Earn AIR Tests Competency Score of 684 on both English II AND Algebra I (Integrated Math I) OR (after 2 unsuccessful attempts)

Complete 1 of 3 alternative ways:

1. Earn credit for one math and/or English course through CCP (College Credit Plus) or

2. Demonstrate Career Experience and Technical Skill: Complete 2 demonstrations of competency through foundational and supporting options (in table) or

3. Enter a contract to enlist in the military upon graduation

Foundational (must include 1)	Supporting
<ul style="list-style-type: none">• Score proficient or higher on 3+ WebXams in a single pathway• Earn an 12-point approved industry recognized credential• Complete a pre-apprenticeship in a career field or show acceptance into an apprenticeship program after graduation if 18+	<ul style="list-style-type: none">• Complete a 250 hour work-based learning experience with evidence of positive evaluations• Earn the Workforce Readiness score on WorkKeys (Applied Math, Graphic Literacy, and Workplace Documents)• Earn the Ohio Means Jobs Readiness Seal

HB 110 Additions

- Students may now demonstrate competency by obtaining a remediation-free score in the math or English subject areas on the ACT or SAT. To demonstrate competency in English II, a student must be remediation-free in BOTH English and reading on the ACT. ACT Score Minimums: Eng 18, Read 22, Math 22 SAT Score Minimums: EBRW 480, Math 530
- Earn a score of “Basic” or higher to demonstrate competency for English Language Arts and math on the Alternate Assessment for Students with the Most Significant Cognitive Disabilities.

Biology, American History, American Government, and Geometry AIR Tests are still mandatory. All but geometry show up in Readiness, the 3rd part of new graduation requirements as seals.

III. Show Readiness

Student must earn 2 diploma seals (1 of which must be Ohio)

Ohio

- Military Enlistment Seal – under contract at time of graduation or JROTC
- Technology Seal – proficient+ on subject AP/IB test, B or higher in CCP class or, complete a course offered by the school that meets Department guidelines; FFLS also defines this seal locally to be earning 1 credit (2 semesters) out of 4 credits (8 semester classes) available at FFHS.
- Industry Recognized Credential – earn 12 point approved credential; HB 110 adds the option of obtain a state-issued license for practice in a vocation that requires an examination.
- Citizenship Seal – proficient+ in both American History and American Government exam or B or higher in CCP classes or HB 110 Earn a final course grade that is equivalent to a “B” or higher in both an American History course and/or an American Government course offered by the student’s high school. Earn a score of “Basic” or higher on the Social Studies Alternate Assessment for Students with the Most Significant Cognitive Disabilities.
- Ohio Means Jobs Readiness Seal – proof of employability skills with school, work, and community consultation
- Seal of Biliteracy – proficiency on assessments in world language and English
- College Ready Seal – remediation free scores on ACT (English 18, Reading 22, Math 22) The state of Ohio will pay one time for all 11th grade students to take the exam (no writing) free of charge.
- Science Seal – proficient+ on Biology exam or B or higher in CCP class or HB 110 Earn a final course grade that is equivalent to a “B” or higher in an advanced science course. Earn a score of “Basic” or higher on the Science Alternate Assessment for Students with the Most Significant Cognitive Disabilities.
 - Advanced science courses contain rigorous content appropriate for grades 11 and 12. An advanced science course builds on the concepts and skills developed in the physical science and biology courses detailed in Ohio’s Learning Standards for Science.
Appropriate advanced science courses include:
 - Chemistry, physics or other physical sciences;
 - Advanced biology or other life sciences;
 - Astronomy;
 - Physical geology or other Earth or space science; and
 - Advanced Placement (AP) or International Baccalaureate (IB) Earth, life or physical science courses.
- Honors Diploma Seal – earn one of 6 Honors Diplomas

Local---Handout Adopted by FFLS Board 1-23-20 linked here on the guidance website [Locally Defined Diploma Seals](#)

- Community Service Seal – community service project
- Student Engagement Seal – extracurricular activities
- Fine and Performing Arts Seal – demonstrate skill

Diplomas with Honors Criteria Classes of 2025

Students need to fulfill all but one of the applicable criteria for the Diploma with Honors

Ohio High School Honors Diploma



Criterion	Ohio Diploma	Academic Honors Diploma	International Baccalaureate Honors Diploma	Career/Technical Honors Diploma	STEM Honors Diploma	Arts Honors Diploma (includes dance, drama/theatre, music, and visual art)	Social Science & Civic Engagement Honors Diploma
Math	4 units, must include one unit of algebra	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 units including two units of advanced science ²	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 units including two units of advanced science ²	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 units including two units of advanced science ²	5 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 units including two units of advanced science ²	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 units including two units of advanced science ²	4 units, Algebra I, Geometry, Algebra II (or equivalent), and one other higher level course or 4 units including two units of advanced science ²
Science	3 units	4 units, including two units of advanced science ²	4 units, Biology, Chemistry, and at least one additional advanced science ²	4 units, including two units of advanced science ²	5 units, including two units of advanced science ²	3 units, including one unit of advanced science ²	3 units, including one unit of advanced science ²
Social Studies	3 units	4 units	4 units	4 units	3 units	3 units	3 units
World Languages	N/A	3 units of one world language, or two units in each language studied	4 units minimum, with at least 2 units in each language studied	2 units of one world language studied	3 units of one world language, or two units in each language studied	3 units of one world language, or two units in each language studied	3 units of one world language, or two units in each language studied
Fine Arts	2 Semesters	1 unit	1 unit	N/A	1 unit	4 units	1 unit
Electives	5 units	N/A	N/A	4 units of Career-Technical minimum ³	2 units with a focus in STEM courses	2 units with a focus in fine arts course work	3 units with a focus in social science and/or civics
GPA	N/A	3.5 on a 4.0 scale 27 ACT/1280 SAT ¹	3.5 on a 4.0 scale 27 ACT/1280 SAT ¹	3.5 on a 4.0 scale 27 ACT/1280 SAT ¹	3.5 on a 4.0 scale 27 ACT/1280 SAT ¹	3.5 on a 4.0 scale 27 ACT/1280 SAT ¹	3.5 on a 4.0 scale 27 ACT/1280 SAT ¹
Field Experience	N/A	N/A	Complete a field experience and document the experience in a portfolio specific to the student's field of study ⁴	Complete a field experience and document the experience in a portfolio specific to the student's field of study ⁴	Complete a field experience and document the experience in a portfolio specific to the student's field of study ⁴	Complete a field experience and document the experience in a portfolio specific to the student's field of study ⁴	Complete a field experience and document the experience in a portfolio specific to the student's field of study ⁴
Portfolio	N/A	N/A	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts ⁵	Develop a comprehensive portfolio of work based on the student's field experience or a topic related to the student's area of focus that is reviewed and validated by external experts ⁵	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus that is reviewed and validated by external experts ⁵	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus that is reviewed and validated by external experts ⁵	Develop a comprehensive portfolio of work based on the student's field experience or a topic that is related to the student's area of focus that is reviewed and validated by external experts ⁵
Additional Assessments	N/A	N/A	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career/Technical Competency Assessment or equivalent	Earn an industry-recognized credential or achieve proficiency benchmark for appropriate Ohio Career/Technical Competency Assessment or equivalent	N/A	N/A	N/A

NOTE: Items shaded in blue are changes that were made to the honors diploma system, including the entire STEM, Arts, and Social Science and Civic Engagement Honors Diplomas

1/24/17

Diplomas with Honors Notes:

For the Academic, International Baccalaureate, and Career Tech Honors Diplomas, students who entered the ninth grade between July 1, 2013 and June 30, 2017 may choose to pursue the diploma by meeting the requirements of these criteria or the previous criteria. Students entering the ninth grade on or after July 1, 2017 must meet these criteria.

Completion of any advanced standing program, which includes Advanced Placement, International Baccalaureate, College Credit Plus, and may include Credit Flexibility, can be counted toward the unit requirements of an Honors Diploma.

Students must meet all but one of the criteria to qualify for an Honors Diploma, and any one of the criteria may be the one that is not met.

Diploma with Honors requirements pre-suppose the completion of all high school diploma requirements in the Ohio Revised Code including: $\frac{1}{2}$ unit physical education (unless exempted), $\frac{1}{2}$ unit health, $\frac{1}{2}$ unit in American history, $\frac{1}{2}$ unit in government, and 4 units in English. The class of 2021 and beyond will need to have $\frac{1}{2}$ unit in world history and civilizations as well.

1 Writing sections of either standardized test should not be included in the calculation of this score. The Locating Information test is not included in the calculation of the WorkKeys score.

2 Advanced science refers to courses that are inquiry-based with laboratory experiences and align with the 11/12th grade standards (or above) or with an AP science course, or with an entry-level college course (clearly preparing students for a college freshman-level science class, such as anatomy, botany, or astronomy).

3 Program must lead to an industry recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post-secondary credit.

4 The fifth mathematics and science credit for the STEM honors diploma may be fulfilled with a single course.

5 Field Experience refers to experiential learning in either an internship or apprenticeship. Students will document their experiences by describing their understanding in a portfolio.

6 The student portfolio is a collection of experiential learning and competencies based on the student's field experiences. Students will engage with professionals or scholars in the field while developing their own portfolio or ePortfolio of original work that documents their technical, critical and creative skills representative of their honors focus; students' work must be reviewed and evaluated by scholars or professionals within the field/area of study in which the students' work is focused, and the scholars or professionals must be external to the district staff; students will give a presentation to showcase the work and provide an analysis of it to the school and local community. If the student does not complete a field experience, the portfolio can be based on a collection of work related to the student's honors diploma area of focus.

7 Students must score a minimum of a 6 on the Applied Mathematics WorkKeys Assessment and a minimum of 6 on the Reading for Information WorkKeys Assessment in order to meet the WorkKeys score requirement. The WorkKeys option applies only to the Career Tech Honors Diploma.

8 These scores are based on the 2016 ACT and SAT assessments. Concordance tables outlining equivalent scores for past and future tests that differ from the 2016 versions will be published on the ODEW website. Tables to concord SAT assessments taken prior to March 2016 can be found here. Further information on test concordance can be found here.

Diplomas with Honors Criteria Classes of 2026+

Students need to fulfill all but one of the applicable criteria for the Diploma with Honors
For a clearer version of the handout check the guidance office link

[Diploma With Honors Guidelines 2026+](#)

Students must meet all but one of the following criteria. Each of these criteria go beyond the standard requirements for a diploma for the classes of 2023 and beyond. Students must meet general graduation requirements and complete the requirements outlined below to qualify for honors diplomas. Students may replace options 4, 5 or 6 with a "Student Strength Demonstration."

ACADEMIC HONORS DIPLOMA

Requirements	State Minimum
1 Math	Fourth math must be > Algebra 2
2 Science	One additional unit Advanced Science
3 Social Studies	One additional unit Social Studies
4 World Languages	Three sequential units of one world language, or no less than 2 sequential units of two world languages studied
5 GPA	3.5 on a 4.0 scale
6 ACT/SAT	ACT: Score of 27 or higher; SAT: Score of 1280 or higher
7 Seal Requirement	Earn two additional diploma seals, not including Honors Diploma Seal
8 Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal*, Portfolio or Work-Based Learning

*Students can use OMJ Readiness Seal in 2 additional seals requirement if it is not used in Experiential Learning.

STEM HONORS DIPLOMA

Requirements	State Minimum
1 Math	Fourth math must be > Algebra 2
2 Science	One additional unit Advanced Science
3 Electives	Two units of additional STEM Courses as electives
4 World Languages	Three sequential units of one world language, or no less than 2 sequential units of two world languages studied
5 GPA	3.5 on a 4.0 scale
6 ACT/SAT	ACT: Score of 27 or higher; SAT: Score of 1280 or higher
7 Industry-Recognized Credential Seal or Fine Arts Seal	Meet requirements to earn the Industry-Recognized Credential Seal or Fine Arts Seal**
8 Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal*, Portfolio or Work-Based Learning

** The option of earning the Fine Arts Seal is currently in review to be replaced by the Technology Seal. More information to come after review process is complete.

SOCIAL SCIENCE AND CIVIC ENGAGEMENT HONORS DIPLOMA

Requirements	State Minimum
1 Math	Fourth math must be > Algebra 2
2 Social Studies	Two additional units of Social Studies
3 World Languages	Three sequential units of one world language, or no less than 2 sequential units of two world languages studied
4 GPA	3.5 on a 4.0 scale
5 ACT/SAT	ACT: Score of 27 or higher, SAT: Score of 1280 or higher
6 Community Service Seal	Meet local district requirements to earn the Community Service Seal
7 Citizenship Seal	Meet the requirements to earn the Citizenship Seal
8 Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal, Portfolio or Work-Based Learning

Students can use the Student Strength Demonstration to replace the ACT/SAT, GPA or World Language requirement for any Honors Diploma. The Student Strength Demonstration options are listed below. The same options exist for each of the six honors diplomas* but, where relevant, should reflect coursework or experiences relevant to the theme of the Diploma. For example, a student earning the Academic Honors Diploma and using the College Credit Plus option to replace another requirement for the diploma should have College Credit Plus courses relevant to the Academic Honors diploma.

OPTIONS:

- College Credit Plus: 12 total College Credit Plus credit hours
- Advanced Placement: three courses with score of 3 or higher on AP tests
- Career-Technical Assurance Guide (CTAG): 12 total credits
- Apprenticeship/Pre-Apprenticeship: Completion or Evidence of Acceptance if required to be older than 18
- WorkKeys: Score of 6 or higher on all tests (*void for Career-Tech Honors Diploma)
- Armed Services Vocational Battery: Score of 50 or above on the ASVAB
- Work-Based Learning: 250 total hours of work-based learning

ARTS HONORS DIPLOMA

Requirements	State Minimum
1 Math	Fourth math must be > Algebra 2
2 Fine Arts	Four units
3 Electives	Two units of Fine Arts (may overlap with general four units)
4 World Languages	Three sequential units of one world language, or no less than 2 sequential units of two world languages studied
5 GPA	3.5 on a 4.0 scale
6 ACT/SAT	ACT: Score of 27 or higher, SAT: Score of 1280 or higher
7 Fine Arts Seal	Meet local district requirements to earn the Fine Arts Seal
8 Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal, Portfolio or Work-Based Learning

CAREER TECH HONORS DIPLOMA

Requirements	State Minimum
1 Math	Fourth math must be > Algebra 2
2 Career-Tech Coursework	Four units of Career-Tech Courses
3 Career-Tech Proficiency	Earned a cumulative score of proficient or higher on the technical assessments aligned to their program
4 World Languages	Two units of one world language
5 GPA	3.5 on a 4.0 scale
6 ACT/SAT/WorkKeys	ACT: Score of 27 or higher, SAT: Score of 1280 or higher WorkKeys: Earn a score of six or higher on all three sections of the WorkKeys assessment.
7 Industry-Recognized Seal or Technology Seal	Meet requirements to earn the Industry Recognized Credential Seal or Technology Seal
8 Experiential Learning	Field Experience, OhioMeansJobs Readiness Seal, Portfolio or Work-Based Learning

Additional Information

To be eligible, students must complete units, or credits, in specific subjects (see above chart). They can use Advanced Placement, International Baccalaureate, [College Credit Plus](#) and [Credit Flexibility](#) coursework to meet the coursework requirements of an honors diploma. A single course can meet multiple criteria if it fits under multiple subject areas. Students also can design their own independent study courses. This requires that someone with proper licensure in the subject area must teach or co-teach the courses used for an honors diploma.

MATH:

Students must take algebra 1, geometry, algebra 2 (or equivalent), and one other higher level course OR a four-course sequence that contains equivalent or higher content.

FINE ARTS:

Courses taken in middle school may meet the general graduation requirement of two semesters of fine arts, but a course must count for high school credit (be high school level work or above) to count for the honors diploma. Dance, drama/theatre, music and visual art courses all count as fine arts courses and electives with a focus in fine arts.

SCIENCE:

Advanced science courses contain rigorous content appropriate for grades 11 and 12. An advanced science course builds on the concepts and skills developed in the physical science and biology courses detailed in Ohio's Learning Standards for Science. Appropriate advanced science courses include: Chemistry, physics or other physical sciences; Advanced biology or other life sciences; Astronomy; Physical geology or other Earth or space science; and Advanced Placement (AP) or International Baccalaureate (IB) Earth, life or physical science courses.

CAREER-TECH COURSES:

Students must complete four units of Career-Technical education courses. Program must lead to an industry-recognized credential, apprenticeship, or be part of an articulated career pathway which can lead to post-secondary credit.

WEBXAMS:

Student must achieve a cumulative score of proficient or higher on the technical assessments aligned to their program. Technical assessments may include: WebXam test, industry recognized credentials in lieu of WebXam test, and College Credit Plus Career Technical Education course grades.

SOCIAL STUDIES:

Students may get credit for both an American history course and/or the Advanced Placement, International Baccalaureate or a College Credit Plus American history course. This also applies for modern world history courses and American government courses.

WORLD LANGUAGE:

Only credits from courses that are sequential, and proficiency based (e.g., Spanish levels I, II, III or German I and II and French I and II) fulfill the honors diploma requirement. Sequential classical (e.g., Latin, Ancient Greek) and visual (e.g., American Sign Language) languages DO fulfill the honors diploma requirement. No units from language courses coded as "Foreign Language Exploratory" can count toward the honors diploma requirement. No units from culture-based courses can count toward the honors diploma requirements. College Credit Plus courses must continue - not repeat - the learning sequence already completed. High school levels I and II need to be followed by a second level College Credit Plus course minimally to continue the proficiency growth sequence.

If a student opts to complete this criterion by taking **two units each of two world languages studied**, a student must complete a total of four world language units. This means two sequential, proficiency-based units in two different languages.

GPA:

GPA's must be calculated on an unweighted 4.0 scale.

ACT, SAT, OR WORKKEYS SCORE REQUIREMENTS:

Students must have scores of 27 or higher on the ACT or 1280 or higher on the SAT or their equivalents on previous or future versions of the tests. The ACT writing and SAT essay sections are not included. Students can use a superscore on the ACT or SAT to meet the requirement scores.

Students using WorkKeys to satisfy this assessment requirement must earn a score of six or higher on all three sections of the WorkKeys assessment.

2 SEALS: (ACADEMIC HONORS)

Students must earn two additional [diploma seals](#) beyond the required two for graduation. The Honors Diploma Seal cannot be used towards the additional two diploma seals. In total, students are required to earn four diploma seals, not including an Honors Diploma Seal.

FINE ARTS SEAL:

Students will meet the requirement of the Fine and Performing Arts Seal by demonstrating skill in the fine or performing arts according to an evaluation that is aligned with guidelines set by the school district board of education or school governing authority.

COMMUNITY SERVICE SEAL:

Students will meet the requirement of the [Community Service Seal](#) by completing a community service project that meets the guidelines set by the school district board of education or school governing authority.

CITIZENSHIP SEAL:

Students will earn the [Citizenship Seal](#) by demonstrating knowledge and skills through course work, on Ohio's State Tests, Advanced Placement and International Baccalaureate courses and tests, or in College Credit Plus coursework.

INDUSTRY-RECOGNIZED CREDENTIAL SEAL:

To earn the [Industry-Recognized Credential Seal](#), students must earn an Ohio Department of Education and Workforce approved industry-recognized credential or group of credentials aligned to a career that is considered in-demand in Ohio.

TECHNOLOGY SEAL:

Students will earn the [Technology Seal](#) by demonstrating knowledge and skills on Advanced Placement and International Baccalaureate courses and tests, through College Credit Plus coursework or by completing a qualifying technology course.

EXPERIENTIAL LEARNING OPTIONS:

Students can earn the experiential learning option by meeting one of the following options: field experience, portfolio, OhioMeansJobs Readiness Seal and work-based learning.

FIELD EXPERIENCE:

To fulfill the field experience criterion, a student must complete a learning experience that is pertinent to his or her honors diploma area of focus. Experiential learning is focused on the application of academic and technical skills within a student's program of study. Experiential learning includes lab-based activities, co-ops, simulated workplace, mentorships, internships, pre-apprenticeships and apprenticeships. Lab-based experiential learning should simulate real-work worksites and expectations. Students should receive regular supervision and follow-up that is documented. [Click here for more detailed guidance on field experience](#) .

PORTFOLIO:

Work that is contained in a portfolio documents the student's extensive knowledge and technical, critical-thinking and creative skills (representative of the student's honors diploma area of focus) that the student has learned. Students must get their portfolios reviewed and validated by external experts. [Click here for more detailed guidance on the portfolio criterion](#) .

OHIOMEANSJOBS READINESS SEAL:

To earn the [OhioMeansJobs-Readiness Seal](#), motivated high school students must demonstrate specific professional skills required for success in the workplace. Students must work with at least three experienced and trusted mentors who validate the demonstration of these skills in school, work or the community. If a student earns the OhioMeansJobs Readiness Seal as a part of their experiential learning requirement, it can not count as one of their additional seals earned.

WORK-BASED LEARNING:

[Work-based learning](#) experiences are conducted at a work site during or after school. They are designed to provide authentic learning experiences to students that link academic, technical and professional skills. Business and education partners work together to evaluate and supervise the experience, which must be documented with learning agreements.

College and University Admissions Requirements

	Liberal /Traditional	Selective/Highly Selective
English	4 CP English	4 CP/CCP English
Math	4 Alg. I, Geo, Alg II +1	4 Alg II and beyond
Science	3 Phys, Bio, Chem	4 Honors beyond Chem
Social Studies	3 World, US Stud, Govt	4 Honors additional Elec
Foreign Language	2 Spanish	3-4 Spanish
Fine Arts	1 Art, Choir, Band	1 Art, Choir, Band
Accumulative GPA	C or higher	B or higher
ACT	17-24	21-30

Four Year Academic Plan for College Bound Students

Freshman Year	Sophomore Year
CP English 9	CP English 10
CP Algebra I/CP Geometry	CP Geometry/CP Algebra II
CP Physical Science	CP Biology
CP Social & World Studies	CP US Studies
Spanish I	Spanish II
Physical Education (or PE Waiver + Elective)	Financial Literacy/Health
Fine Arts	Elective
Elective	Elective

Junior Year/1 Math	Junior Year/2 Maths
21 st Century English	CCP Eng Com I/Eng Comp II
CP Algebra II	CCP Precalculus
CP or Honors Chemistry	CCP Prin Stats
CP Amer Natl/St & Local Government	Honors Chemistry
Spanish III	CCP Amer Natl/St & Local Government
Elective	CCP Beg/Int Spanish
Study Hall or Elective	Study Hall or Elective

Senior Year /1 Math	Senior Year/2 Maths
21 st Century English	CCP Eng Comp I & II (if not already taken)
Precalculus or Quantitative Math	AP Calculus
Honors Physics	CCP Prin.Stats
CP Social St Elective	Honors Physics
Spanish IV	CCP Social St Elective
Elective	Spanish IV
Study Hall or Elective	Study Hall or Elective
Seniors in the Job Market	Seniors in the Job Market

2 Year Plan for Washington County Career Center Bound Students

Freshmen Year	Sophomore Year
CP English 9	CP English 10
CP Algebra I/CP Geometry	CP Geometry/CP Algebra II
CP Physical Science	CP Biology
CP Soc & World Studies	CP US Studies
Physical Education (or PE Waiver + Elective)	Financial Literacy/Health
Elective	Elective
Elective	Elective

State mandated tests will continue at WCCC. Physical Education, Health, and Financial Literacy courses are not taught at WCCC. Students must pass these courses at Fort Frye High School. Scheduling may not be possible at WCCC to make-up required courses for graduation which were failed in 9th or 10th grade. Credit recovery/make-up credit options for required courses for graduation are provided via online instruction on the WCCC campus and through online summer courses at Fort Frye High School or WCCC.

Enrollment Guidelines for WCCC

To be admitted to the Career Center, a **junior** (student who is entering their third year of high school) must have earned at least six credits in the state required core areas. These must include at least one credit in each of the following: English, Math, Science and Social Studies. To be admitted to the Career Center, a **senior** (student who is entering their fourth year of high school) must have earned a minimum of twelve credits, ten in the required core areas. Credits must include two in English, two in Math, one in Science, one in Social Studies, and one in PE/Health. Early graduation is not available.

Rising juniors and seniors may elect to apply to the Washington County Career Center at any time prior to the opening of school as space permits. Students will be placed on a waiting list if the course is filled to capacity. There is traditionally a priority application deadline early to mid-March. Applications are available online at <https://www.thecareercenter.net/>

Washington County Career Center Technology Programs

Auto Collision Repair and Refinishing	Landscape Construction & Turf Mgt
Auto Mechanics	Masonry
Building Technology/Carpentry	Medical College Prep
Diesel Truck Mechanics	Patient Health Care
Digital Marketing	Pre-Nursing
Electricity	Sport Medicine & Exercise Science
Graphic Design & Video Production	Welding
Heavy Equipment	

Student Athletes Planning to Play a College Sport---NCAA or NAIA

(More information and a quick link to both NCAA & NAIA is available on the HS Guidance Page under Student Athletes)

Student Athletes and their parents are responsible for reviewing and knowing the initial eligibility requirements to play a college sport. Therefore, an individual conference with the school counselor, parent, and student is highly recommended. This should be done when the student is scheduling for grades 9 through 12. Keep in mind that students will officially register online with NCAA/NAIA *by the end of the athlete's junior year*; a fee will be assessed by those agencies.

Fee Waivers---You are eligible for a waiver of the registration fee only if you have received a fee waiver for the ACT/SAT fee. You must have an authorized high school official submit your fee waiver documentation online. If you have not yet been granted a fee waiver by ACT/SAT, you are not yet eligible for the registration fee waiver. Contact the guidance department for more information. Students need to complete registration at the end of their junior year or beginning of their senior year.

All ACT/SAT test scores must be submitted to NCAA/NAIA directly from the testing company. The code for NCAA **"9999"** and for NAIA **"9876"** will send your score directly to the Eligibility Centers and should be requested at the time the student registers for the test. The student's score should still be sent to Fort Frye High School with a code of **"360-470"** as well as any potential institution of higher education.

NCAA Athletic Eligibility

Go to NCAA Eligibility Center and register online at <https://web3.ncaa.org/ecwr3/>

NOTE: Division III Eligibility Standards - contact the institution regarding its academic and amateurism policies. GPA requirements and ACT Test Score requirements are found online. Students must send ACT scores directly to the NCAA Eligibility Center. NCAA does not accept online high school classes.

NAIA Athletic Eligibility

Go to NAIA Eligibility Center and register online at

<https://www.playnaia.org/eligibility-center> GPA requirements and ACT Test Score requirements are found online.

Career Technical Education: Agriculture, Engineering, and Visual Arts

Internship

Prerequisite: Grades 11-12. Students must meet with the Internship Coordinator before enrolling.

Internships are project/problem-based learning opportunities that occur both in and away from school. Under supervision of the school and through partnerships, students combine classroom learning with work experience to benefit themselves and others. These may take the form of mentorship employment, cooperative education, and internships. It is a course for students to gain and practice employability skills through internship placement. Students must have a place of employment identified, or an idea of where they plan to work. In addition, students must be able to provide transportation for themselves, and have flexibility in their schedule to work during the school day, nights, or weekends. This course is graded pass/fail and may be taken multiple semesters.

In this course, students will be expected to develop a full range of skills including:

- Working appropriately and professionally with others
- Communicating effectively (interviews, presentations, one on one)
- Demonstrating leadership skills, integrity, ethical behavior and social responsibility, including a special emphasis on taking the initiative and self-direction
- Time and project management
- Using appropriate technology
- Working as part of a team

Agriculture Internship VT (2 semesters) WebXam= NA

Course # 164 165 Credit 0.5 per 60 hours

Career Internship VT (2 Semesters) WebXam= NA

Course # 537 538 Credit 0.5 per 60 hours 5370 5380 Credit 1.0 per 120 hours

Engineering Internship VT (2 semesters) WebXam= NA

Course # 914 915 Credit 0.5 per 60 hours

Technology Internship VT (2 semesters) WebXam= NA

Course # 916 917 Credit 0.5 per 60 hours

CTE Agriculture Education Department

Fees listed with each course. FFA Dues: \$20.00

If you take an Agriculture Class you are required to be a FFA member.

Students should start with the Level I course of Agriculture, Food, and Natural Resources then progress through the Level II course of Animal and Plant Science followed by the Level III courses. Students requesting courses out of sequence must have prior approval from the Administration and Agriculture staff.

Level I

Agriculture, Food, and Natural Resources VT (2 semesters) **WebXam= AAL5**

Course # 102 103 Credit 0.5 per semester Fee: \$10.00

This is the first course in the Agricultural and Environmental Systems career field. It introduces students to the pathways that are offered in the Agricultural and Environmental Systems career field. As such, students will obtain fundamental knowledge and skills in food science, natural resource management, animal science & management, plant & horticultural science, power technology and biotechnology. Students will be introduced to the FFA organization and begin development of their leadership ability. Recommended as a first year Ag class.

Level II

Animal and Plant Science VT (2 semesters) **WebXam= AAN5**

Course # 104 105 Credit 0.5 per semester Fee: \$10.00

Students will apply knowledge of animal and plant science to the agriculture industry. They will be introduced to the value of production animals relative to the agricultural marketplace. Students will engage in animal classification and selection, body systems, along with animal welfare and behavior in relation to the production of animals. Students will learn principles of plant anatomy and physiology, and the role of nutrition, deficiencies and growing environment on plant production. Throughout the course, business principles and professional skills will be examined. Recommended as a second year Ag class.

Level III (some courses offered alternating years)

Livestock Selection, Nutrition, and Management VT (2 semesters)

Available 2025-2026 **WebXam= AEE0**

Course #140 141 Credit 0.5 per semester Fee: \$10.00

Students will identify and apply principles and routine husbandry practices to production animal populations. Topics will include principles of nutrition, feed utilization, animal welfare, selection and management of facilities and herd populations. Students will apply knowledge of production animal care to enhance animal growth, selection of breeding stock, and management practices. Throughout the course, students will develop management plans reflecting practices for care and legal compliance.

Animal Health VT (2 semesters) **WebXam= AED5**

Course # 146 147 Credit 0.5 per semester Fee: \$10.00

Students will examine causes, symptoms, and treatment of common diseases with emphasis on developing preventative health management plans. Topics will include the study of pathogens, and classifying types of diseases and disorders. Students will perform animal health assessments and compare to standard characteristics. Throughout the course, students will utilize principles of

technology to manage information systems, and research issues affecting the industry. **Recommended Prerequisite: Animal and Plant Science.**

Science and Technology of Food (2 semesters) Grades 9-10 **VM** No WebXam
Grades 11-12 **VT** **WebXam AEP0**

Course # 152 153 Credit 0.5 per semester Fee: \$15.00

This first course in the pathway examines the research, marketing, processing and packaging techniques applied to the development of food products. Students will examine principles of food preservation techniques and determine correlations to food sensory, shelf life and food stability. Students will examine and develop food safety, sanitation, and quality assurance protocol. Government regulations and food legislation will be examined and the implications to food science and technology will be identified.

Environmental Science for Agriculture and Natural Resources **VT** (2 semesters) **WebXam= ADH0**

Course # 148 149 Credit 0.5 per semester Fee: \$10.00

Students will study relationships between organisms and their environment. Principles of biogeochemical cycles, air-water-land relationships, non-point pollution, and wetlands will be applied. Students will examine fundamentals of resource development, agriculture sustainability, energy needs and pollution control. They will analyze and interpret data gathered from studies on the ecosystem. Throughout this course, students will develop responses to environmental problems and develop management strategies for responsible conservation and resource development.

Mechanical Principles **VT** (2 semesters) **WebXam= AAN0**

Course # 112 113 Credit 0.5 per semester Fee: \$15.00

The Agricultural and Industrial Power course will introduce students to the breadth of the Agricultural and Industrial Power Technology pathway. Students will learn the principles of agricultural and industrial power technology equipment systems including electronic, electrical, engines, fuel, hydraulics, and power trains. Additionally, students will learn to operate and maintain agricultural and industrial equipment.

Business Management for Agricultural and Environmental Systems **VT** (2 semesters) **WebXam= AAM5**

Course # 132 133 Credit 0.5 per semester Fee: \$10.00

This course focuses on preparing students for future careers and building entrepreneurial skills. In addition to studying business principles, students will learn to use the Aspire program to design projects and cut them out with the Shopbot CNC router. Students will also complete their OSHA 10 General Safety course, Ohio Means Jobs Readiness Graduation Seal, and when applicable, Ohio Agribusiness Association Industry Credential. Students will work closely with Building Bridges to Careers to complete mock interviews, job shadows, and compete in designing their own product and business with other local schools.

Agriculture Capstone **VT** (2 Semesters)

Course #164 165 Credit 0.5 per semester No WebXam

This is an independent study class designed by teachers and students to meet the individual learning needs of the student.

CTE Engineering Department

Fees are listed with each course.

Students should start with the Level I course of Pre-Engineering then progress through the Level II course of Engineering Principles followed by the Level III courses. Students requesting courses out of sequence must have prior approval from the Administration and Engineer staff.

Level I

Pre-Engineering Technologies VM (2 semesters) Grade 8 No WebXam

Course #900 901 Credit 0.5 per semester Fee: \$20.00

Students will acquire knowledge and skills in problem solving, teamwork and innovation. Students explore STEM careers as they participate in a project-based learning process, designed to challenge and engage the natural curiosity and imagination of middle school students. Teams design and test their ideas using modeling, automation, robotics, mechanical and computer control systems, while exploring energy and the environment.

Level II

Engineering Principles VT (2 semesters) **WebXam= LNX2**

Course #902 903 Credit 0.5 per semester Fee: \$20.00

This course will introduce students to fundamental engineering concepts and scientific principles associated with engineering design applications. Topics include mechanisms, energy statics, materials and kinematics. Additionally, students will learn material properties and electrical, control and fluid power systems. Students will learn to apply problem solving, research and design skills to create solutions to engineering challenges

Level III (some courses offered alternating years)

Robotics VT (2 semesters) **WebXam= LNX4**

Course #904 905 Credit 0.5 per semester Fee: \$30.00

Robotics is a laboratory-based course that uses a hands-on approach to introduce the basic concepts of robotics, focusing on the construction and programming of autonomous robots. Students learn basic soldering techniques and electric circuitry. Tinkercad will be used in conjunction with arduino boards, with an introduction to coding. Students become familiar with programming, sensors, and automation while developing critical thinking skills needed to succeed in the 21st century's workforce through the use of CoDronePro. Beyond science and engineering principles, students will work in groups to encourage creativity, teamwork, and problem-solving using the VEX Robotics Design System platform. Students will work in teams with the opportunity to participate in intramural and extracurricular robotics competitions.

Manufacturing Operations VT (2 semesters) **WebXam=LNX3A**

Course #906 907 Credit 0.5 per semester Fee: \$30.00

Students will learn the production processes applied across manufacturing operations. Students will be able to demonstrate a broad array of technical skills with an emphasis given to quality practices, measurement, maintenance and safety.

Engineering Design VT (2 semesters) WebXam= LNX1

Course #908 909 Credit 0.5 per semester Fee: \$30.00

Students will learn the application of the engineering design process. Topics include work-processes, optimization methods, design optimization and risk management tools. Students will use 2D and 3D modeling software to help them design solutions to proposed problems, document their work and communicate solutions. Additionally, students will interpret industry prints and create working drawings from functional models. Emphasis is given to experimental problem solving in real systems.

Biomedical Engineering VT (2 semesters) WebXam= EGA5

Course #910 911 Credit 0.5 per semester Fee: \$30.00 Grades 11-12

Students learn medical interventions that extend and improve quality of life including gene therapy, use and development of prosthetics, rehabilitation techniques, and supportive care. Students will use 3D imaging, data acquisition software, and current scientific research to design and develop medical intervention products. Students will demonstrate current and emerging strategies and technologies used for collecting, analyzing, recording and sharing information. In addition, students will develop leadership and team-building skills that promote collaboration.

Welding Technologies (2 semesters)

Grades 9-10 VM No WebXam Grades 11-12 VT WebXam= LNG9

Course #912 913 Credit 0.5 per semester Fee: \$30.00

Students will use fundamental welding principles involving shielded metal arc, oxyacetylene, gas tungsten and gas metal arc welding in the flat, horizontal and vertical positions. An emphasis is given to electrode selection, equipment setup, operating procedures, welding inspection and testing. Students will learn joint designs and layout and will be introduced to welding codes and standards. Additional topics include employability skills and an emphasis will be given to personal safety.

Engineering Capstone VT (2 semesters) WebXam= NA

Course #914 915 Credit 0.5 per semester

The capstone course provides opportunities for students to apply knowledge, attitudes and skills that were learned in an Engineering program in a more comprehensive and authentic way. Capstones often include project/problem based learning opportunities that occur both in and away from school. Under supervision of the school and through community partnerships, students may combine classroom learning with work experience. This course can be delivered through a variety of delivery methods including cooperative education or apprenticeship.

CTE Visual Arts Department

Fees are listed with each course. All courses with the exception of Business of Arts and Communication count as a Fine Arts credit.

Level I

Art I (2 semesters)

Grades 8-9 **VM** No WebXam Grades 10-12 **VT WebXam= SKW5**

Course # 200 201 Credit 0.5 per semester Fee \$30.00

Art I is suggested for first year high school art students. This course is dedicated to making art a highly personal experience. Emphasis is on all types of painting, drawing, art history, appreciation, and an introduction to sculpture.

Level II

Art II (2 semesters)

Grade 9 **VM** No WebXam Grades 10-12 **VT WebXam=SJL1**

Course # 210 211 Credit 0.5 per semester Fee \$30.00

Prerequisite: Art I

Environmental Art emphasizes an awareness of the student's ability to plan and shape their own environment through the study of interior design, architecture, perspective, model-building, and experimentation with other forms of design and space. The last 9-weeks is an individualized study of areas of art not previously covered in class work. An introduction to google drawings application is included.

Art III (2 semesters)

Grade 9 **VM** No WebXam Grades 10-12 **VT WebXam=SKW0**

Course # 220 221 Credit 0.5 per semester Fee \$30.00

Prerequisite: Art I

The World of Art is suggested for, but not limited to juniors and seniors. This course is an exploration of the broad applications of art in the world in which we live. Emphasis is placed upon practical applications of art in calligraphy, illustration, graphic art and design, sculpture and portraiture.

Level III (some courses offered alternating years)

Art IV VT (2 semesters) **WebXam= SKW5**

Course # 230 231 Credit 0.5 per semester Fee \$30.00

Prerequisite: Prerequisite: Art I, II, & III; Grades 10-12

Art IV is offered on a rotating basis, opposite Art III and suggested for but, not limited to juniors and seniors. This course is an in-depth exploration of several art-related career fields; in particular, cartooning, painting, sculpture, textiles, and portraits. There is a high degree of individualization of study. There is an emphasis on production and planning of a media presentation.

Advanced Drawing VT (1 semester) Fall **WebXam= SKW5**

Course #212 Credit 0.5 Fee \$15.00

Prerequisite: Art I, II, & III; Grades 10-12

Drawing applications is a new course being offered on a rotating or as needed basis. This class is for students who would like to further explore and expand their drawing skills. This class expands upon drawing in different mediums and includes pencil, color pencil, charcoal, oil and chalk pastel, ink and different types

of pen. Subjects include but not limited to; still life, landscape, figure and portraiture.

Advanced Painting VT (1 semester) WebXam= SKW5

Course #213 Credit 0.5 Fee \$30.00

Prerequisite: Art I, II, & III; Grades 10-12

Advanced painting is a more in depth look at painting. We will explore painting in different styles and employing new and different painting applications. Subject matters include but are not limited to; still life, landscape, figure and portraiture.

Art V VT (2 semesters) WebXam= SKW5

Course # 232 233 Credit 0.5 per semester Fee \$30.00

Prerequisite: Art I, II, & III; Grades 11-12

This course will advance the skills learned in Art I, II, III, Advanced Drawing, and Advanced Painting. Students are encouraged to request special projects based on their interests. It may be taken only with the permission of the instructor.

Art Independent Study VT (2 semesters) WebXam= SJL1

Course # 215 216 Credit 0.5 per semester Fee \$30.00

Prerequisite: Art I, II, & III; Grades 11-12

This course will be developed by the instructor and student based on individual student's needs. It may be taken only with the permission of the instructor.

Business of Arts and Communication VT (2 semesters) Scheduled for 2024-2025 WebXam= SJL6

Course # 208 209 Credit 0.5 per semester Fee \$100

Prerequisite: 3 VT Courses, one each in the Pathway Levels VII/III; Grades 11-12

A growing number of professionals make a living in industries related to arts and communications. From event management to tracking expenses, students learn the business side of visual, media, and performing arts. Topics include marketing, branding, producing, promoting, booking, budgeting and merchandising, etc. Students learn and apply intellectual property rights, licensing, copyright, royalties, liabilities, and contractual agreements. They learn how both profit and non-profit organizations businesses operate. While this course is part of the Visual Arts Pathway, it is NOT a fine arts credit.

Computer Technology Department

Computer Course Fee: \$15.00

A home computer is not necessary to take these courses. All class sizes are limited to 30 due to availability of equipment.

Computer Applications I (1 semester)

Course # 300 Credit 0.5

Students will learn the software Microsoft Word, which is part of the Microsoft Office package. They will learn word processing commands to create letters, reports, tables, and graphics. All assignments will be completed in class and there is no homework.

Computer Essentials (1 semester)

Course # 305 Credit 0.5

This class will prepare you for the future. This course will have the following components: formatting documents, creating/editing spreadsheets, and creating/editing presentations. Students will learn how to cite sources correctly. Students will create brochures, flyers, and newsletters that are appealing. There will be an introduction to spreadsheets and charts, using formulas and functions. Students will also be taught how to create a presentation using correct and easiest techniques.

CCP or HS PC Apps (1 semester)

Course # DEBUSM1600 Credit 1 @ FFHS & 3 sem hrs @ WSCC or BUSM1600 0.5 FFHS

The primary focus is on the application of personal computers using software popular in the business community. Students will use current operating systems, web browsers, word processing, spreadsheet databases, and presentation software. Concepts will be reinforced by a variety of hands-on assignments.

CCP or HS Business Excel (1 semester)

Course # DEBUSM2220 Credit 1 @ FFHS & 3 sem hrs @ WSCC or BUSM2220 0.5 FFHS

This course prepares learners for use and mastery of the Microsoft Excel Software. The learner will focus on data entry and storage, collection and verification of business data, advanced formulas, pivot tables, accounting and budgeting, visualizations, and forecasting. Successful completion of this course will prepare learners for the Microsoft Office Specialist-Excel Certification.

Hypermedia (1 semester)

Course # 320 Credit 0.5 Grades 11-12 Prerequisite: Teacher Permission

Students will learn the software program, PowerPoint, which is a part of the Microsoft Office Package. They will create multimedia presentations that include text, graphics, animation, and transitions. Students will use a scanner, digital camera, and graphics program as they incorporate the graphics into the PowerPoint presentation. All assignments will be completed in class and there is no homework.

Computer Graphics (1 semester)

Course # 340 Credit 0.5 Grades 11-12 Prerequisite: Teacher Permission

Students will learn the image editing software, PhotoShop Elements. Activities will include how to capture images from digital cameras, scanners, and CDs as well as how to correct photos and use editing tools. All assignments will be completed in class and there is no homework.

Web Publishing & Design (1 semester)

Course # 332 Credit 0.5 Grades 11-12 Prerequisite: Teacher Permission

Students will learn about the emerging Web Publishing industry, background and history of the Internet, and navigation techniques. Students will learn about the required HTML tags, attributes, and elements found in standard HTML programming. Students will create their own web pages where they will also learn how to properly add text, links, images, tables, backgrounds and sound to their Web Pages.

Microsoft Office Publisher 2016 (1 semester)

Course # 333 Credit 0.5 Grades 10-12 Prerequisite: Teacher Permission

Students will learn the publication software, Desktop Publishing. The software is a tool for graphic designers to create visual communications such as flyers, brochures, newsletters, business cards, web pages, posters, tables, and calendars. All assignments will be completed in class and there is no homework.

English Department
Department Fee \$5.00

(NCAA approved)

CP English 9 (2 semesters)

Course # 405 406 Credit 0.5 per semester Grade 9

This freshman course includes writing various types of compositions with integrated usage instruction and language review as necessary; an emphasis on the short story form, both fiction and nonfiction; consideration also of essays, dramas, and novels. Writing emphasis on argumentative essays. Listening, discussion, critical thinking, and viewing with some public speaking are emphasized. This course is designed to be an introduction for college bound students to the demands of higher level English courses.

CP English 10 (2 semesters) **AIR Test = English II**

Course # 415 416 Credit 0.5 per semester Grade 10

This course is designed to foster the development of language skills including reading, writing, and speaking for sophomores preparing to meet the academic demands of college. Organized around a series of research projects, reading includes fiction and nonfiction—essays, articles, stories, drama, novels, and other books—at a level of sophistication appropriate to the tenth grade. Critical appreciation of various texts is both developed through and demonstrated by student participation in discussion. Students should expect to write regularly, crafting essays appropriate to the given content, audience, and purpose.

CCP English Composition I (1 semester)

Course # DEENGL1510 Credit 1 @ FFHS & 3 sem hrs @ WSCC

Develop, compose, and revise expository essays, which center on a definite thesis statement. The course covers rhetorical modes such as example, process analysis, definition and comparison/contrast. The course also covers planning, drafting, revision skills.

CCP English Composition II (1 semester)

Course # DEENGL1520 Credit 1 @ FFHS & 3 sem hrs @ WSCC

Continues improvement of writing skills. Argumentative and expository papers created by evaluating information from multiple perspectives and drawing reasonable conclusions for a final research writing.

Grades 11-12 non-CCP English may be offered alternating years.

CP Working English for the 21st Century (2 semesters)

Course # 430 431 Credit 0.5 per semester Grade 11 or 12

This course is designed to foster the development of language skills including reading, writing, and speaking with an emphasis on the production of narrative, informational, persuasive, and technical texts in print, audio, and audio-visual formats. Our focus will be on the meaning of work. Our texts will include novels, poetry, dramatic scripts, and informational and persuasive texts in print, digital and audio-visual formats. Additionally, students will practice a full range of research strategies: conducting surveys, interviews and field research (as well as

literature reviews). Students will experiment with a full range of close reading strategies: they will annotate texts, take notes, develop effective graphic organizers, and in the process, discover their personal best reading practices. Oh, and did we mention that our emphasis is on the production of narrative, informational, persuasive, and technical texts in print, audio, and audio-visual formats? Success will be measured by the learning standards published by the Ohio Department of Education and Workforce.

CP American Lit and Composition (2 semesters)

Course # 425 426 Credit 0.5 per semester Grade 11 or 12

This course is designed to foster the development of language skills including reading, writing, and speaking. Focusing primarily on American Literature, reading assignments include fiction and nonfiction—essays, articles, stories, drama, novels, and other books—at a level of sophistication appropriate for juniors preparing to meet the academic demands of college. As they read, students will experiment with a full range of close reading strategies: they will annotate texts, keep dialectical journals, develop effective graphic organizers, and in the process, discover their personal best reading practices. Research and discussion are both integral pieces of this course, as is regularly assigned writing.

CP British Lit and Composition (2 semesters)

Course # 440 441 Credit 0.5 per semester Grade 11 or 12

This course is designed to prepare the student for college English classes. An emphasis will be placed not only on literature at a college level, but there will be a strong concentration on research, writing, and grammar skills. Grading will be strict, so that the student is well prepared to enter the college atmosphere.

Financial Literacy

Financial Literacy (1 semester)

Course # 516 Credit 0.5 Grade 9 or 10 Fee: \$10.00

Students will explore career choices based on their interests, talents, and goals. This course will provide understanding of the concepts and principles involved in managing one's personal finances. Banking, budgeting, credit, debt, insurance, investing, and many other topics will be covered. **This course is required for graduation and is scheduled during the freshman or sophomore year the opposite semester of Health.**

Fine Arts Department: Art and Music

Fine Arts Waiver

Per ORC 3313.603, FFHS has adopted a policy for the traditional diploma to replace career technical education credit for the graduation requirement of a fine arts credit. 1 CTE Pathway Course = 1 Fine Arts However, for those students pursuing any of the Diplomas with Honors, the Fine Arts credit must be granted for dance, drama/theatre, music, and/or visual art.

Art Department

Art courses listed under the Career Technical Education Pathway of Visual Arts on pages 33-34 also count as a fine arts credit.

- Art I VM/VT
- Art II VM/VT
- Art III VM/VT
- Art IV VT
- Adv Drawing/Painting VT
- Art V VT
- Art Independent Study VT

Music Department
Department Fee \$5.00

Marching Band is an extracurricular activity that takes place after school. Students in grades 7-12 work together to perform musical selections through a combination of playing instruments, marching, and body work. The Fort Frye Marching Cadets perform at football games, competitions, and in various community events and parades. Students of all experience levels are encouraged to talk to the band director if interested in joining. Joining the marching band will provide opportunities for students to pursue leadership roles and develop important qualities such as responsibility, multi-tasking, discipline, teamwork, and time management. Marching band creates a friendly environment to meet other students and develop close friendships. Marching Band is not for music credit, however participating in marching band for 2 years will count as your high school PE Waiver! Contact the Marching Band Director, Mr. Michael Border, for more information. (michael.border@fortfrye.org)

Concert Band (2 semesters)

Course # 252 253 Credit 0.5 per semester Grades 9-12

Concert Band is an instrumental music class that meets during the day. It is separate from marching band and does NOT require marching band to be a member. The class allows for both group and solo performances. Students who have participated in elementary and middle school band are encouraged to participate in the high school version. The group plays a variety of repertoire from popular music to classic band works. The high school concert band performs at several concerts, graduation, and District IX Contest. Opportunities are available to participate in honor bands and solo and ensemble each year. This course not only teaches musical content knowledge but also valuable life skills through collaboration with other students and the director.

Concert Choir/Music Theater (2 semesters)

Course # 270 271 Credit 0.5 per semester Grades 9-12

Are you interested in singing? Concert Choir is a class where students come together to sing a variety of music from popular music to Broadway to classical. The class allows for both group and solo performances and performs at various concerts/events throughout the year. Opportunities are available to participate in honor choirs and solo and ensemble each year. This course not only teaches musical content knowledge but also valuable life skills through collaboration with other students and the director.

Musical Appreciation (2 semesters)

Course # 254 255 Credit 0.5 per semester Grades 9-12

This course requires ZERO previous musical experience. It is a time for students to learn about music, how it is created, and the history of music. We will also cover instruments and how to play them, different genres of music, and different musicals and the meanings behind them. This course not only teaches musical knowledge but also valuable life skills through collaboration with other students and the teacher.

Foreign Language Department
(NCAA approved)

Spanish I (2 semesters)

Course # 460 461 Credit 0.5 per semester Prerequisite: A final grade of C or better in the previous years' Language Arts/English course.

This is an introductory course for students with no background in Spanish at the high school level. Emphasis is placed on culture and communication. The course focuses on the interpretive mode - being able to identify information and understand it through reading, hearing and viewing; the interpersonal mode - being able to interact with others and negotiate meaning; and the presentational mode - being able to present information and concepts for various purposes. Students will also begin to interact with intercultural competence. Students will demonstrate these skills at the novice-low level.

Spanish II (2 semesters)

Course # 464 465 Credit 0.5 per semester Grades 10-12 Prerequisite: Spanish I

This course is a continuation of Spanish I and reviews the skills acquired in the first level. Students continue to develop skills in communication and intercultural competence focusing on three modes - interpretive, interpersonal, and presentational. Students gain additional intercultural competence. Students transition from the novice-low level to the novice-mid level of competence.

Spanish III (2 semesters)

Course # 468 469 Credit 0.5 per semester Grades 11-12 Prerequisite: Spanish II

This is an elective course for students who have completed Spanish I and II and wish to continue their development of communication and intercultural competence in Spanish. Review of Spanish II skills will lead to further development of intercultural competence as well as the abilities to function in the interpretive, interpersonal and presentational modes. Emphasis is placed on use of authentic source material. Students explore current events and global issues of the Spanish speaking world. Students solidify their skills at the novice-mid level.

Honors Spanish IV (2 semesters)

Course #474 475 Credit 0.5 per semester Grade 11-12 Prerequisite: Spanish III

This is an advanced course for students who have successfully completed Spanish III and wish to continue their pursuit of higher levels of Spanish study. Review of Spanish III skills will lead to further development of intercultural competence as well as the abilities to function in the interpretive, interpersonal and presentational modes. Emphasis is placed on use of authentic source material. Students continue to explore current events and global issues of the Spanish speaking world. Students move from the novice-mid level to novice-high.

Mathematics Department
Department Fee \$5.00

Applied Algebra I (2 semesters)

Course # 604 605 Credit 0.5 per semester Grade 9

This first course in a high school sequence addresses content through concrete models and real-world situations and with less emphasis on symbol manipulation and formal mathematical structure. Topics include solving equations and inequalities; linear functions; basic systems of equations and inequalities; polynomials and basic factoring; quadratic functions and equations; and rational expressions and functions. This course is intended for students who have had difficulty in junior high mathematics.

Applied Algebra I → Algebra I → Geometry → Math Modeling and Reasoning

(Pending NCAA Approval)

Mathematical Modeling and Reasoning (2 semesters)

Course # 607 608 Credit 0.5 per semester Grades 10-12 Prerequisite: Geometry

This course is an advanced quantitative reasoning course. Quantitative Reasoning is the application of mathematical skills to analyze and interpret quantitative information in a real-world context to make decisions relevant to daily life. Critical thinking is the primary objective and outcome. There is an emphasis on interpretation, representation, calculation, assumptions analysis/synthesis and communication. This course is designed to promote reasoning, problem-solving and modeling through thematic units focused on mathematical practices, while reinforcing and extending content in Number and Quantity, Algebra, Functions, Statistics and Probability, and Geometry. This course is an Algebra 2 equivalent course and satisfies the credit requirement for Algebra 2.

(NCAA Approved)

CP Algebra I (2 semesters) **AIR Test = Algebra I**

Course # 625 626 Credit 0.5 per semester Grades 9-10

This course provides students with all of the concepts needed to succeed in a first-year algebra course. Correlated to NCTM Standards and Ohio Standards, the content provides students of all abilities with essential preparation in problem solving, calculator usage, and application lessons that demonstrate how algebra is integrated within related content areas. Topics include solving equations and inequalities; linear functions; systems of equations and inequalities; polynomials and factoring; quadratic functions and equations; and rational expressions and functions. This course is intended for any student.

CP Geometry (2 semesters) **AIR Test = Geometry**

Course # 630 631 Credit 0.5 per semester Grades 9-11 Prerequisite: Algebra I

In this course, students go beyond the basics of geometry as they investigate the world of planes and solids. Students will explore parallel and perpendicular lines; triangles; quadrilaterals and polygons; right triangles and trigonometry; transformations; area and volume; circles; reasoning/logic and proofs; probability. This course is intended for any student.

CP Algebra II (2 semesters)

Course # 635 636 Credit 0.5 per semester Grades 10-12 Prerequisite: Geometry
This course not only extends the ideas which were developed in Algebra I and Geometry, but also introduces new concepts such as the complex number system, polynomial functions, exponential functions and equations, logarithms, and rational functions. This course is intended for any student.

Honors Quantitative Reasoning (2 semesters) Course # MATH2140A/B 0.5

FFHS per semester Grades 11-12 Prerequisite: Algebra II

This course focuses on using real world application to build quantitative reasoning and problem solving skills. It is designed for students in majors that do not require College Algebra, Precalculus, or Calculus. Topics include ratios, rates, percentages, units, descriptive statistics, linear and exponential modeling, correlation, and probability.

CCP or Honors Precalculus (all year)

Course # DEMATH2150A/B Credit 1 @ FFHS & 5 sem hrs @ WSCC or MATH2150A/B 0.5 FFHS per semester Grades 11-12 Prerequisites: Algebra II with a B or higher

This course is intended for the student needing a solid mathematical background in order to take the AP Calculus AB. Topics to be covered include: functions, graphs of functions including polynomial, rational, all powers, as well as logarithmic and exponential functions, complex numbers and systems of equations and inequalities, operations on matrices, trigonometric definitions,, right and nonright angle trigonometry, trigonometric identities, law of sines and cosines, graphing trigonometric and inverse trigonometric functions, vectors, conics, and polar coordinates.

CCP or Honors Principles of Statistics (all year)

Course # DEMATH2110A/B Credit 1 @ FFHS & 3 sem hrs @ WSCC or MATH2110A/B 0.5 FFHS per semester Grades 11-12 Prerequisite: Algebra II
Introduction to the vocabulary, concepts, formulas, and presentation of statistics as applied to business and the sciences. This course focuses on measures of central tendencies and dispersion; probability; sampling practices and theory, and probability distributions with emphasis on binomial and normal distributions. Calculator usage will be incorporated into this course. This course is recommended for those seeking a Bachelor's Degree.

AP Calculus AB (2 semesters) Course # 655 656 Credit 0.5 per semester Grade 12 Prerequisite: Precalculus with a C or higher

This course is an extension of Precalculus. Further exploration of the applications of the derivative and the integral will be included. The course is designed to prepare students for the Advanced Placement Calculus AB exam, which may award college credit. This course is recommended for students interested in applying to highly selective colleges. The College Board charges \$97 for the Advanced Placement Exam, which may be taken in May. For students completing the course at FFHS, a portion of the exam fee will be paid by the school.

Physical Education and Health Department

Health (1 semester)

Course # 551 Credit 0.5 Grades 9 or 10

This course is required for graduation. Health is aimed at arousing in the students awareness and an appreciation of the importance of good health as it relates to healthful living today and in the years to come. The course teaches the students to recognize the total self---the physical, emotional, mental, neuromuscular and social facet of one's personality and the inter-relationship of each to form the whole. The course also includes a chance for students to explore their feelings and fears on issues important to adolescent development. Curriculum includes all state and federal mandates. **This course is scheduled during the freshman or sophomore year in the opposite semester of Financial Literacy.**

Physical Education (2 semesters)

Course # 8935 8936 Credit 0.25 per semester Grades 9 or 10

Two semesters are required for graduation. Physical Education is designed to stress not only the physical aspects of sports, but also the educational elements involved. Instruction is given on the rules, scoring, and correct procedures and form to use when performing each sport. Skill tests are administered after each major sport unit. Good hygiene is stressed with particular emphasis placed on showering needs after activity and the use of body deodorants. Cleanliness also is stressed in keeping gym clothes and towels clean. Sport areas covered are archery, volleyball, basketball, flag football, soccer, badminton, gymnastics, tennis, track and field, floor hockey, and softball. Appropriate shorts, tee shirts, or sweats, white socks, and tennis shoes are the required dress for Physical Education class.

Physical Education Waiver (2 seasons)

FFLS Board has adopted a policy excusing students from the high school physical education requirement when the student who, during high school, has participated in interscholastic athletics, marching band, or cheerleading for at least two full seasons or an approved Junior Reserve Officer Training Corps (JROTC) program for two years. However, the student shall be required to complete one-half unit, consisting of at least 60 hours of instruction, in another course of study.

Publications Department

Yearbook (2 semesters)

Course # 180 181 Credit 0.5 per semester Grades 9-12

Prerequisite: Teacher recommendation

Students will learn all aspects of yearbook production, including photography, layout design, copywriting, and financing. Class members will be responsible for planning, producing, and distributing the ***Cadettana***. Class size is limited to 15.

Science Department
Fees listed with each course.

(NCAA Approved)

Physical Science → Biology → Environmental Science/Robotics
Honors Biology → Honors Chemistry → Honors Physics → Other Adv Science

CP Physical Science (2 semesters)

Course # 705 706 Credit 0.5 per semester Grade 9 Fee: \$30.00

This is a high school introductory-level course which satisfies the Ohio Core requirements. It introduces students to key concepts and theories that provide a foundation for further study in other sciences and advanced science disciplines. CP Physical science comprises the systemic study of the physical world, as related to chemistry, physics, and space science. Course content includes the study of the properties and reactions of matter; the study of motion, including kinematics and forces of nature; dynamics (Newton's laws); energy; waves; the universe, including stars and galaxies; and the origin of the universe. This is a laboratory-based course.

CP Biology (2 semesters)

Course # 715 716 Credit 0.5 per semester Grade 10 Fee: \$30.00

Prerequisite: Physical Science

This course is the study of living things and the life processes that are common to both plants and animals. The laboratory-based course covers topics from single-celled organisms through the most complex organisms focusing on their structures and related functions. Study will include structures and processes necessary for life; the basic workings of unicellular and multicellular organisms; the living systems of plants and animals; ecological and evolutionary relationships between organisms and their environment and a concentration on genetics and reproduction.

Honors Biology (2 semesters) **AIR Test = Biology**

Course # 718 719 Credit 0.5 per semester Grade 9 or 10 Fee: \$30.00

Prerequisite: co-enrollment in or have completed Geometry

Honors Biology is designed for the student with a strong interest in a science-related vocation. Investigation of topics in this course will include ecology, biochemistry, cells, photosynthesis and respiration, heredity, population genetics, DNA structure, gene expression, biotechnology, and science as inquiry. The study of history of major discoveries in Biology will facilitate the understanding and give insight into modern and future problems and solutions. Emphasis is placed on modern biotechnological and technical advances as applicable to medicine, food production, and human wellness. Students will be able to apply knowledge gained in this course to their everyday lives, make informed choices as members of the community, as well as to further their career in medicine, engineering and other areas with a strong emphasis on science. This course will emphasize higher order thinking skills using online activities, laboratory investigations, independent research, collaborative learning activities, problem solving activities, and bioethical discussions.

Honors Chemistry (2 semesters)

Course # 737 738 Credit 0.5 per semester Grades 10-12 Fee: \$30.00

Prerequisites: C or above in Biology and simultaneous enrollment in or have completed Algebra II

This course is designed for advanced students to gain a better understanding of the world of matter and energy. Topics include: the periodic table, properties of matter, conservation of atoms, kinetic molecular theory, acid-base reactions, solutions, energy, chemical reactions, chemical equilibrium, molecular bonding, organic, and nuclear chemistry. Honors Chemistry applies additional quantitative chemical analysis and more in-depth study of the above topics than CP Chemistry. This is a lab-oriented course. It is highly recommended in preparation for most science and engineering careers.

Honors Physics (2 semesters)

Course # 742 743 Credit 0.5 per semester Grade 11-12 Fee: \$30.00

Prerequisites: C or above in Chemistry and Algebra II and simultaneous enrollment in or have completed Precalculus or Quantitative Reasoning.

The student will study different kinds of forces of nature, particularly the kinds that cause motion. They will also study wave motion as applied to sound and light. Electricity with special emphasis on simple direct and alternating currents will be covered. Physics is recommended for students planning on going to college, especially those planning on majoring in a math or science related area. This is a math based physics curriculum.

CP Environmental Science (2 Semesters) Grades 11-12

Course #712 713 Credit 0.5 per semester Fee: \$30.00

This is a laboratory-based course that includes inquiry-based experiences which engage students in asking valid scientific questions and gathering and analyzing information. Environmental science incorporates biology, chemistry, physics and physical geology and introduces students to key concepts, principles, and theories within environmental science. Investigations are used to understand and explain the behavior of nature in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills, and real-world applications.

CP Robotics Science (2 semesters)

Course #710 711 Credit 0.5 per semester Fee: \$30.00

Robotics is a laboratory-based course that uses a hands-on approach to introduce the basic concepts of robotics, focusing on the construction and programming of autonomous robots. Students learn basic soldering techniques and electric circuitry. Tinkercad will be used in conjunction with arduino boards, with an introduction to coding. Students become familiar with programming, sensors, and automation while developing critical thinking skills needed to succeed in the 21st century's workforce through the use of CoDronePro. Beyond science and engineering principles, students will work in groups to encourage creativity, teamwork, and problem-solving using the VEX Robotics Design System platform. Students will work in teams with the opportunity to participate in intramural and extracurricular robotics competitions. Students are simultaneously enrolled in Robotics (engineering) and receive the same grade in both courses.

CP Biomedical Science (2 semesters)

Course #720 721 Credit 0.5 per semester Fee: \$30.00 Grades 10-11-12

C or above in Biology and C or above in Geometry

Students learn medical interventions that extend and improve quality of life including gene therapy, use and development of prosthetics, rehabilitation techniques, and supportive care. Students will use 3D imaging, data acquisition software, and current scientific research to design and develop medical intervention products. Students will demonstrate current and emerging strategies and technologies used for collecting, analyzing, recording, and sharing information. In addition, students will develop leadership and team-building skills that promote collaboration.

Social Studies Department

(NCAA approved)

CP Social and World Studies (2 semesters)

Course # 830 831 Credit 0.5 per semester Grade 9

The survey course of Social and World Studies will appraise world events from the 18th Century to the present. Emphasis will be placed on analyzing the social, political, and economic effects on global events during this time period. Explanation of connections between the Enlightenment and changes between the citizens and their governments will be reviewed. Identification of reasons countries gained control of territory through imperialism and the impact on their societies will be discussed. This course will reinforce major historical patterns on global affairs that affect the nations of the world from the 18th Century to the present. Theme: This course examines world events from 1600 to the present. It explores the impact of the democratic and industrial revolutions, the forces that led to world domination by European powers, the wars that changed empires, the ideas that lead to independence movements and the effects of global interdependence. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

CP US Studies: 1877-Present (2 semesters) AIR Test = American History

Course # 827 828 Credit 0.5 per semester Grade 10

United States Studies analyzes the historical perspective of the Post-Civil War period and continuing to the present. It is designed to teach modern U. S. History while illustrating relationships with the past and possibilities for the future. A brief review of early U. S. History will begin the course. This course also appraises our American Heritage while utilizing historical, economic, social, governmental and geographic concepts, ideals, and principles. Theme: This course examines the history of the United States of America from 1877 to the present. The federal republic has withstood challenges to its national security and expanded the rights and roles of its citizens. The episodes of its past have shaped the nature of the country today and prepared it to attend to the challenges of tomorrow. Understanding how these events came to pass and their meaning for today's citizens is the purpose of this course. The concepts of historical thinking introduced in earlier grades continue to build with students locating and analyzing primary and secondary sources from multiple perspectives to draw conclusions.

CCP American History 1865+ (all year) AIR Test = Am Hist and CCP Grade Crosswalk

Course # DEHIST2120 Credit 1 @ FFHS & 3 sem hrs @ WSCC Grade 10

This course will include political, diplomatic, social, and economic development of America 1865 to Present. Topics include Reconstruction, the Industrial Revolution, the progressive movement, World Wars I and II, prosperity and depression, and problems of the Cold War era.

CP American Government (2 semesters) AIR Test = American Government

Course # 802 803 Credit 0.5 per semester Grade 11

Students examine the Founding Documents which form the basis for the United States of America. Students also appraise how the American people govern themselves at national, state and local levels of government. Students may also impact issues addressed by governments through activities, projects, and service learning programs.

CCP American National Government (1 semester) AIR Test = Am Gov't and CCP Grade Crosswalk

Course # DEPOLS1020 Credit 1 @ FFHS & 3 sem hrs @ WSCC Grades 11-12

This course will include a survey of all aspects of our democratic system; emphasis on the Constitution, the three branches of government, civil rights and liberties, and foreign policy.

CCP State and Local Government (1 semester) AIR Test = Am Gov't and CCP Grade Crosswalk

Course # DEPOLS1030 Credit 1 @ FFHS & 3 sem hrs @ WSCC Grades 11-12

This course will include a survey of the structure and operation of state and local governments; emphasis on the relationship and interaction of state and local government subdivisions in Ohio.

Social Studies Elective

(NCAA approved)

Honors History Through Film (2 Semesters)

Course # 842 843 Credit 0.5 per semester Grades 11-12 Prerequisite: B or

above in Social & World Studies and US History or teacher recommendation

History in film uses popular films to introduce and explore important political and historic events. This class will emphasize state standard topics while allowing students to examine a variety of views. Movies are complemented with readings, class discussion and written comparisons.

The following table is to be used to convert College Credit Plus grades to graduation points for valid courses. This applies only to American history, American government and science (biology only), but students must still take the AIR Biology test due to federal regulations. There are no permitted substitutions for English language arts and mathematics.

CCP Grade for American History or American Government	AIR Points Crosswalk
A or B	5
C	4
D	3
NA	2
NA	1
Fail or Drop	0

CADET Period

All students will be placed for one period each day in a staff monitored not for credit period. It is an ideal time for students to get caught up on missing assignments/assessments. This period may be used for introduction and/or review of competencies needed for future work (life skills) or as meeting times for school and community sponsored groups.

Volunteer Opportunities

HS Teacher, Office, or Physical Education Aide

Course #TA1/2, OA1/2, PEA1/2 No Credit Grades 9-12

Prerequisite: Maintaining 2.0 GPA and faculty approval.

This program is designed to allow teens to volunteer at FFHS as a high school office aide, an athletic director aide, a library aide, a physical education aide, or teacher aide. Many valuable skills including greeting the public, organizing and following directions, completion of tasks and accepting responsibility may be developed by volunteering in these capacities. Interested students may participate in this program in lieu of a study hall or depending on credit status, in addition to a study hall.

Teen Teaching as pre-Internship or Internship (page 23)

Course #TT1/ TT2 No Credit Grades 9-12 Prerequisite: **Students must meet with the Internship Coordinator before enrolling in the Internship version.**

This program will fall under the umbrella of Internship if for credit and pre-Internship if not for credit. It is designed to allow teens to explore the field of education. Students will be paired with a FF elementary or middle school teacher for one high school period a day for 1 or 2 semesters. Activities may include working in small groups with students, helping with class work, assisting with clerical work, displaying bulletin boards, supervising playground, or helping with art, music, or physical education. Interested students may participate in this program in lieu of a study hall or depending on credit status, in addition to a study hall.