

2024-2025

RENAISSANCE HIGH SCHOOL



COURSE DESCRIPTIONS



West Ada
SCHOOL DISTRICT

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Important Information

Fast Forward

The Fast Forward Program (funded by Idaho State Legislature) provides a total of **\$4,125 per student** to be used throughout grades 7-12. Funds can be applied to any of the following: Concurrent Credit classes, Advanced Placement exams, International Baccalaureate exams, qualifying Career Technical Education exams, College Entrance exams or overload courses. Instructions on how to access Fast Forward funds will be provided to students by their teacher, as registration dates approach for classes and exams. Information can also be found on the district website at <https://www.westada.org/page/fast-forward-program>.

Step by Step Guide

Step 1: Complete the West Ada Fast Forward Participation Form online.

- Go to the PowerSchool Parent Portal.
- Click on “*update student information*” bottom left corner.
- Available forms will be displayed. Click on *Fast Forward*.
- The process for the *Fast Forward* Participation form will only have to be completed once per student during their high school career.

Step 2: Obtain college course information from the student’s high school teacher.

- High School teachers will provide students with the college concurrent credit course information or exam name (AP, CTE, or IB).
 - *For information on College Entrance exams, see College & Career Counselor.*

Step 3: Create an account in the Advanced Opportunities Portal.

- Only one account can be created per student. If a student has an existing account, they will proceed to “Step 4” below to request funding.
- To create an account:
 - Log in to Advanced Opportunities Portal (<http://advancedops.sde.idaho.gov>) to create an account.
 - Follow instructions provided by high school teacher or located on West Ada School District webpage under “*Academics*” > “*College and Career Planning*” > “*Fast Forward Program*”. Instructions can also be found on the school’s website.
 - Student must use legal first and last name as it appears in PowerSchool when creating account.

[Step 4: Request funding through the Advanced Opportunities Portal.](#)

- Log in to the Advanced Opportunities Portal (<http://advancedops.sde.idaho.gov>) to request funding for EACH class or exam.
- Follow instructions provided by high school teacher or located on West Ada School District webpage under “Academics” > “College and Career Planning” > “Fast Forward Program”. Instructions can also be found on the school’s website.
- Funding MUST be requested during the same semester that the student registers for the course or exam. Most yearlong BSU, ISU, NNU courses register in the fall. Most year-long CWI courses register in the spring. IB exam registration is in the fall. AP and most CTE exams register in the spring.

[Step 5: Register for the course through the college/university or with the high school for an AP, IB, or CTE exam.](#)

- Your teacher will provide instructions on how to enroll for the course or exam.

Important points to remember:

- ✓ Requesting *Fast Forward* funds does not register you for the course with the college (step 4).
- ✓ Registering for the course with the college does not request *Fast Forward* funds (step 5).
- ✓ All steps must be complete prior to *Fast Forward* deadlines or payment for courses/exams will be the responsibility of the student/parent.
- ✓ *Fast Forward* deadlines will be provided each semester by the teacher/school.
- ✓ You can check the status of your *Fast Forward* funds requests by logging in to the Advanced Opportunities Portal (<http://advancedops.sde.idaho.gov>) and selecting previous course applications.

Senior Performance Assessment

Students are required to demonstrate proficiency on the district’s senior project that includes a technical paper and oral presentation.

On-line or Correspondence Courses – Important Information

Interested parents and students should contact the school counselor before enrolling in on-line or correspondence courses to make sure the credit(s) will count toward graduation requirements.

High School Definitions and Icons

Definitions

General Information for Concurrent Credit, Honors and AP: Self-motivated and independent learners who are excited about challenging tasks and ideas in a subject area will succeed in these classes. Students should be prepared to spend one to two hours per week on outside-of-class assignments per course. Students may find earning an “A” to be more challenging than in other courses. No curriculum adjustments will be made to slow the instructional pace or limit the level of instruction of the course.

Concurrent Credit (Dual Credit): Students enrolled in a concurrent credit class are taught on a level comparable to a freshman college course using university-approved instructional materials. In this setting, students are academically challenged and expected to think analytically, speak, and write at a college level. Universities charge fees, including a one-time enrollment fee, when enrolling in a concurrent credit course. Students are required to complete college level assignments outside of class time.

Concurrent credit differs from AP courses. Concurrent credit students earn the number of credits for which they enroll, and the grade earned in the course is the grade posted to their college transcript. Most credits transfer to colleges and universities; however, as a precaution before registering for concurrent credit students/parents should check with the colleges and universities they are considering attending to confirm their policies. These courses are graded on a four-point grading scale unless it is a designated AP course in which a five-point scale is used. All concurrent credit courses are dependent upon instructor and course approvals by the local universities. A course may not be offered as listed based upon movement of staff.

Honors: These courses follow the district curriculum but proceed at an accelerated instructional pace and include more instructional depth. Students who are successful in honors courses usually perform academically in the top 10% nationally in their chosen subject area. These courses are graded on a four-point grading scale.

AP (Advanced Placement): All AP courses follow a nationally standardized rigorous curriculum developed by The College Board. Students who are usually successful in AP courses are those who perform academically in the top 2% nationally in their chosen subject area. To receive college level AP credit a student must take the AP exam and pass it. Credits are awarded by the various colleges and universities according to the score received on the AP exam. Students/parents should check with the specific college or university to see their AP acceptance policy. There is a fee to take the AP exam. These courses are graded on a five-point grading scale.

IB (only available at Renaissance High School): All International Baccalaureate (IB) courses follow the rigorous IB philosophy, implement instruction and assessment that support the IB Student Learning Profile. To earn an IB Diploma, students take exams in six subject areas earning a minimum of 24 out of 42 possible points. Each exam is evaluated on a 1 to 7-point scale. Other



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requirements for the IB Diploma include successful completion of CAS (Community, Action, Service), the Extended Essay (EE), and Theory of Knowledge (TOK) class. Students can earn IB Certificates by passing individual subject exams without seeking an IB Diploma. There is a fee to take the IB exams. Students and parents should check with specific colleges and universities to see how they reward successful IB performance. In West Ada School District, IB Higher Level (HL) courses are graded on a five-point scale.

CTE (Career and Technical Education): CTE program classes offer students applied learning opportunities that align to in-demand job workplace skills. Coursework is designed to prepare students for employment certification exams, a seamless transition to postsecondary technical colleges, or industry skills applicable to employment readiness. Some of the essential components of establishing a CTE program is to maintain an active industry advisory board, provide state-of-art equipment, curriculum that meets industry standards, and to promote CTE student organizations, which provide students with opportunities to develop leadership skills as well as competition opportunities to showcase their CTE skills. To learn more, visit www.westada.org/CTE

Icons



Advanced Placement



Meets the Humanities Requirement



Concurrent Credit



IB

(Courses offered at Renaissance High School for Seniors and Juniors. See your counselor for more information).



Technical Dual Credit

(See your Career & Technical Education (CTE) course instructor for full details).



Enrollment Requires an Application and Space May Be Limited



Transportation

(Students must provide their own transportation).

Accelerated Courses

Frequently Asked Questions

(IB Courses, AP, Honors, and Courses Offered for Concurrent Credit)

1. Where is the IB Program offered?

IB courses are offered at Renaissance High School.

2. What is IB and how is it different from AP and Concurrent Credit courses?

IB and AP courses are considered by most colleges and universities as most demanding. Students may take an individual IB course as you would any AP class or a student may take the entire IB diploma. (See the IB definition found in the Course Description handbook.)

IB courses require both internal and external assessments which determine the final score in the course. IB exams are scored on a 7-point scale. Each college or university establishes their own policy on acceptance of IB classes for college credit. It is best to check the individual institution's IB policy.

In a Concurrent Credit class, students earn college credit based on their work over the course of the year or semester as opposed to earning credit based on an exam at the completion of the course.

3. How many colleges accept IB credits?

The best source of specific and up-to-date information about an individual institution's policy is its course catalog or website.

4. How does concurrent credit differ from IB Exams?

Students enrolled in high school IB courses take IB exams. Credits are awarded by the university the student attends, based on their HL test score. Concurrent credit students earn the number of credits for which they enrolled, and the grade earned is the grade for the course, not the grade for one specific test.

5. What is an IB Exam and why would a student want to take one? Which IB courses offer the exam?

For each IB course, an IB exam is administered at participating schools worldwide. All IB examinations also include internally assessed work that contributes to their IB score. Each IB Exam is given an overall score of 1, 2, 3, 4, 5, 6, or 7, with 7 indicating a student who is extremely well qualified to receive college credit and/or advanced placement based on an IB Exam grade.

Instructors of these courses will provide additional information about the cost, date, and time for the exam. Examinations are typically taken in May of the student's senior year.



6. What is the grading scale on the IB exams and what significance does the score hold? Is there a minimum a student must get?

The product of the IB Exam is the IB grade that is reported to students, their schools, and their designated colleges in July. The colleges use these grades as evidence of the students' abilities and achievement when they make their decisions regarding whether to grant credit and/or advanced placement.

The IB grade scale ranges from 7 to 1:

7	Excellent
6	Very Good
5	Good
4	Satisfactory
3	Mediocre
2	Poor
1	Very Poor

Each college or university must decide what evidence is sufficient to demonstrate that the student has satisfied one or more of its course requirements. Students can find this out by contacting the schools interested in attending.

7. What does concurrent credit mean and how does a class qualify for it? What expenses are related to taking a course for concurrent credit?

Concurrent credit is defined on the sheet provided in the Course Description Handbook for your school (pg. 6).

To qualify for concurrent credit a teacher must submit their class syllabus, student assignments and testing expectations. Once these have been reviewed by a university, they determine whether the class is comparable to what the institution offers. Some universities will approve concurrent credits in one content area and not another. Any course that has been approved for a concurrent credit will have a symbol next to them in the Course Description Handbook. The current cost of credits is \$75 for each credit. Most courses are offered for 3 to 5 credits.

8. What is the difference between an International Baccalaureate course and an Honors course?

Check the sheet with the descriptions of International Baccalaureate (IB) and Honors courses found in the Course Description Handbook from your school (pg. 6). This tells you what caliber of student will do well with the type of work expected in each of these.

International Baccalaureate

IB Diploma Program (IBDP)



Class of 2025-Seniors

There are also core requirements for high school graduation. You will need to register for these core requirements in addition to your IB classes.

- College Economics – Senior Year

Remember 3 must be Higher Level (HL's) and 3 Standard Level (SL's)

GROUP 1 (Studies in Language & Literature):

- IB Language & Lit English HL II

GROUP 2 (Second Languages): Choose ONE course.

- IB Spanish SL II (Spanish Level IV)
- IB Spanish Ab Initio C/D (Spanish Level II or III)
- IB Mandarin Ab Initio C/D (Mandarin Level IV)
- **Note:** *Ab Initio courses are Standard Level (SL)*

GROUP 3 (Individuals & Societies): Choose ONE course.

- IB Social and Cultural Anthropology HL II

GROUP 4 (Experimental Sciences): Choose ONE course.

- IB Biology HL II
- IB Chemistry HL II

GROUP 5 (Mathematics):

- IB Math Analysis SL II

GROUP 6 (The Arts): Choose ONE Course.

- IB World Arts & Culture SL II

Class of 2026 – Juniors

The full IB Diploma Program requires six two-year classes from each group. A minimum of three of these (and a maximum of four) must be taken at a higher level (HL) and the remaining are standard level (SL) courses. Diploma Program students will also need to take TOK (Theory of Knowledge), complete CAS (Creativity, Activity, Service), and write the EE (Extended Essay). There are also core requirements for high school graduation.

GROUP 1 (Studies in Language & Literature):

- IB Language & Lit English HL I1

GROUP 2 (Second Languages): Choose ONE course.

- IB Spanish SL I (Spanish Level III)
- IB Spanish Ab Initio A/B (Spanish Level I or II)
- IB Mandarin Ab Initio A/B (Mandarin Level III)
- **Note:** *Ab Initio courses are Standard Level (SL)*

GROUP 3 (Individuals & Societies): Choose ONE course.

- IB Geography HL I
- IB Social and Cultural Anthropology HL I

GROUP 4 (Experimental Sciences): Choose ONE course.

- IB Biology HL I
- IB Chemistry HL I
- IB Environmental Systems & Societies SL I

GROUP 5 (Mathematics):

- IB Math Analysis SL I

GROUP 6 (The Arts): Choose ONE Course.

- IB Music HL I
- IB Visual Art HL I
- IB World Arts & Culture SL I

Class of 2025-Seniors

IB Diploma Program Classes

<p>GROUP 1 (Studies in Language & Literature):</p> <ul style="list-style-type: none"> • IB Language & Lit English HL II <p>GROUP 2 (Second Language): Choose ONE course.</p> <ul style="list-style-type: none"> • IB Spanish SL II (Spanish Level IV) • IB Spanish Ab Initio C/D (Spanish Level II or III) • IB Mandarin Ab Initio C/D (Mandarin Level IV) <p>GROUP 3 (Individuals & Societies):</p> <ul style="list-style-type: none"> • IB Social & Cultural Anthropology HL II 	<p>GROUP 4 (Experimental Sciences):</p> <p>Choose ONE course.</p> <ul style="list-style-type: none"> • IB Biology HL II • IB Chemistry HL II <p>GROUP 5 (Mathematics):</p> <ul style="list-style-type: none"> • IB Math Analysis SL II • College Economics – Senior Year
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Class of 2026-Juniors

There are also core requirements for high school graduation. You will need to register for College Economics, during your senior year, in addition to your IB classes.

IB Diploma Program Classes

<p>GROUP 1 (Studies in Language & Literature):</p> <ul style="list-style-type: none"> • IB Language & Lit English HL I <p>GROUP 2 (Second Language):</p> <p>Choose ONE course.</p> <ul style="list-style-type: none"> • IB Spanish SL I (Spanish Level III) • IB Spanish Ab Initio A/B (Spanish Level I or II) • IB Mandarin Ab Initio A/B (Mandarin Level III) <p>GROUP 3 (Individuals & Societies):</p> <p>Choose One course.</p> <ul style="list-style-type: none"> • IB Geography HL I • IB Social & Cultural Anthropology HL I 	<p>GROUP 4 (Experimental Sciences):</p> <p>Choose ONE course.</p> <ul style="list-style-type: none"> • IB Biology HL I • IB Chemistry HL I • IB Environmental Systems & Societies SL I <p>GROUP 5 (Mathematics):</p> <ul style="list-style-type: none"> • IB Math Analysis SL I
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IB Career Program (IBCP)



The IB Career Program (IBCP) requires students to take and test in at least three IB Diploma (IBDP) classes. The IBDP classes require two years of study. Career Program students will also need to complete a full two years of a Career Related Study (CRS) and the external certificate associated with the CRS.

Additionally, Career Program students will complete the IBCP CORE: Personal and Professional Skills (PPS) class, Service Learning (SL) requirement, Language Development (LD) portfolio, and write and present the Reflective Project (RP).

Students will need to have met the pre-requisite and to select one IB Career-Related Studies (CRS)/ Career Technical Education (CTE)



IB Career-Related Studies (CRS)/Career Technical Education (CTE) Options



<p>Culinary Arts</p> <ul style="list-style-type: none"> • Foods & Nutrition (10th) • Intro to Culinary Arts (11th) • Advanced Culinary Arts (12th) 	<p>Certified Nurse’s Assistant (CNA)</p> <ul style="list-style-type: none"> • Health Professions (10th) • Medical Terminology (11th) • Health Professions CNA (12th)
<p>Construction Trades</p> <ul style="list-style-type: none"> • Construction Trades I (10th) • Construction Trades II (11th) • Construction Trades III (12th) 	<p>Pharmacy Technician</p> <ul style="list-style-type: none"> • Health Professions (10th) • Medical Terminology (11th) • Pharmacy Tech (12th)
<p>Web Design – Computer Science</p> <ul style="list-style-type: none"> • Exploring Web Design & Programing (9th) • Web Design & Development (10th) • Database Design & Programming (11th or 12th) • Cybersecurity (12th) (optional) 	<p>Emergency Medical Technician (EMT)</p> <ul style="list-style-type: none"> • Health Professions (10th) • Medical Terminology (11th) • EMT Basic (12th)
<p>Programing – Computer Science</p> <ul style="list-style-type: none"> • Exploring Web Design & Programing (9th) • College Intro to Computer Science Principles (10th) • College Computer Science I (11th) • College Computer Science II (12th) • Cybersecurity (12th) (optional) 	<p>Engineering</p> <ul style="list-style-type: none"> • Introduction to Engineering Design (9th) • Principles of Engineering (10th) • Computer Integrated Manufacturing (11th) • Digital Electronics (11th) • Civil Engineering and Architecture (11th or 12th) • Aerospace Engineering (12th) • Engineering Design & Development (12th)
<p>Fire Services</p> <ul style="list-style-type: none"> • Orientation to Police, Fire & EMS (10th) • Fire Services I (11th) • Fire Services II (12th) 	<p>Law Enforcement, Detention & Corrections</p> <ul style="list-style-type: none"> • Orientation to Police, Fire & EMS (10th) • Law Enforcement, Detention, & Corrections I (11th) • Law Enforcement, Detention, & Corrections II (12th)

RHS Associate of University Studies Degree



- Associate of Arts in University Studies from Idaho State University
- Credit in *some* classes comes from BSU, NNU, CWI and ISU
- 60 credits required (most classes are 3-4 credits)
- Most courses are taken for “concurrent credit” which means earning college credit while in a high school class. Others need to be taken during the summer session at College of Western Idaho – CWI.
- If the student’s GPA does not meet college criteria, students will not be permitted to register for college credit.
- Cost is \$75 per credit (federal financial aid is NOT available to high school students; however, they can use Fast Forward funds)
- Total cost: \$75 per credit for 60 credits = \$4500 approx. (over 2 years)
 - The Fast Forward fund for each student is \$4125.
 - Students/Parents will need a budget of approximately \$400 to pay for credits to earn the full Associate Degree credits.
 - Students will incur additional costs if they take more than the 60 credits required for the associate degree or access Fast Forward funds for other options.
- RHS is unable to guarantee courses will be available for credit each year (due to staff changes).
- Students are responsible each semester to register with each college and apply for Fast Forward funds. If deadlines are not met, students may not receive credit and/or have the course paid for by Fast Forward.
- Students/parents MUST track college credits carefully. RHS does not have records of college credits earned due to confidentiality laws.

The following classes must be taken for the AA

(Classes for HS graduation requirements are not listed here)

11th grade classes

- College Intro to Composition (English)
- College Intro to Literature (English)
- College Math
- College Biology I
- College Personal Finance (offered 11th or 12th gr)
- College Middle East History & Culture (offered 11th or 12th gr)
- Intro to College Art or College World Language
- College Speech
- Electives

12th grade classes

- College Themes in Literature (English)
- College Math
- College World Language (if needed)
- College Biology II (If needed)
- College US History I (offered 11th or 12th gr)
- College US History II (offered 11th or 12th gr)
- College Economics
- Electives

Summer Classes – (usually taken between 10th and 11th and between 11th and 12th grade at CWI)

- Science – Chemistry, Geology or Physics (not needed if student takes College Chem at RHS)
- English 102 (must be taken summer **AFTER** junior year). Students must earn a C or higher.

State Humanities Standards

Courses listed below meet State Humanities Standards. State Standards include History and Culture, Critical Thinking and Performance or Language Acquisition.

<i>Course</i>	<i>Section</i>	<i>Course</i>	<i>Section</i>
Mandarin I A&B	World Languages	Art 1: Design	Visual Arts
Mandarin II A&B	World Languages	Art 1: Drawing	Visual Arts
Mandarin III A&B	World Languages	Introduction to College Art	Visual Arts
IB Mandarin Ab Initio I A&B	World Languages	Ceramics I	Visual Arts
IB Mandarin Ab Initio II C&D	World Languages	Ceramics II	Visual Arts
Spanish I A&B	World Languages	IB Visual Arts HL I	Visual Arts
Spanish II A&B	World Languages	Concert Choir A&B	Music
Spanish III A&B	World Languages	Concert Band A&B	Music
Spanish IV A&B	World Languages	Ethno-Musicology	Music
IB Spanish Ab Initio I A&B	World Languages	History of Rock & Roll	Music
IB Spanish Ab Initio II C&D	World Languages	IB Music HL I	Music
IB Spanish B SL I A&B	World Languages	Orchestra A&B	Music
IB Spanish B SL II A&B	World Languages	Music History	Music

RHS Math Placement

Incoming Renaissance High School 9th grade students who previously attended a middle school in the West Ada School District, will be placed in the appropriate math course based on the following two options:

- Students who completed Math 8 A/B (while in the West Ada District), will be placed in Honors High School (HS) Math I.
- Students who completed Math 6-8 I A/B (while in the West Ada District), will be placed in Honors High School (HS) Math II.

Incoming 9th grade students that attended a school outside of the West Ada School District, will be placed in Honors HS Math I A/B. The expectation would be if the student earned high school math credit taught by a certified high school math teacher and has the transcript sent to RHS the student would then be placed in Honors HS Math II.

Honors HS Math I is an integrated course that includes concepts taught in Algebra and Geometry working towards the next step of the math progression, Honors HS Math II A/B. Completing the two years provides a concurrency of learning and ensures Algebra and Geometry concepts and skills are learned. The completing of this sequence of learning will establish foundational skills and knowledge for math progression into College Pre-Calculus and College Calculus. Please note the math course progression facilitates students reaching the highest level in the math sequence, which is a College Calculus or College Statistics class. It is the goal of the RHS administration and counselors to place students appropriately. Math programs and course names vary greatly across schools.

- However, if a parent and/or student believes Honors HS Math II is a more appropriate placement and would like to pursue this option, a placement test will be required by the student to demonstrate the knowledge and skills of Honors HS Math I with scoring 80% or higher.
- However, if a parent and/or student believe College Pre-Calculus is a more appropriate placement and would like to pursue this option, a placement test will be required by the student to demonstrate the knowledge and skills of Honors HS Math II with scoring 80% or higher. Scoring 80% or higher demonstrates proficiency of Honors HS Math I and II.

To pursue a placement test for Honors HS Math II A/B or College Pre-Calculus A/B, a written request to the RHS office will need to be submitted. In the written request, please include student name, middle school attended during 8th grade and identify which placement test is being requested, either Honors HS Math II or College Pre-Calculus. The designated timeframe to submit a written request to pursue a placement test is between the second Friday in May through the Friday in August that falls before the first day of school. Upon receipt of request, the RHS office will contact the parent and/or student to schedule a time to take the placement test. The student score will determine whether a student's math placement will change, or the student will remain in the recommended math course. The results of the placement test will be the final step for determining the math placement process at RHS.

The placement test will be an assessment with a compilation of essential knowledge and skills a student is expected to possess completing Honors HS Math I and/or Honors HS Math II according to the West Ada School District math curriculum. It is important to ensure the student has the necessary math knowledge and skills to be successful as he or she continues through the math sequence of courses which build upon these foundational math concepts for the remainder of high school.

Course Descriptions

Communications

College Speech (CWI -- COMM 101 – 3 credits)

Course Number(s): 01151H1031
Open to: 10, 11, 12
Credit & Type: 1 Speech (Speech)
Prerequisite: None



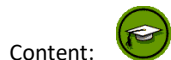
Content: This course is taught at a college level. It emphasizes the theory and practice of informative public speaking, logical argumentation, persuasion, small group discussion, and interpersonal communication. It is designed to help students engage in the understanding of human communication and practice of improving one's ability to express ideas orally. The course will meet the requirements of the credit-granting university. This is a college level course. Students may have the option to take this course for concurrent credit. If taken for concurrent credit, this course will require the instructor to keep two gradebooks, one which follows West Ada grading policy and building procedures, and another that follows the concurrent credit university's grading policy. **Successful completion of this course fulfills the Speech requirement for graduation. This is an approved NCAA course.**

Debate A & B

Course Number(s): 01153G1011, 01153G1012
Open to: 9, 10, 11, 12
Credit & Type: 1 Elective (ELECT) & 1 Speech (Speech)
Prerequisite: Successful completion of English 8, letter of recommendation or instructor approval.
Content: This course is for beginning debaters only. The course includes extensive library research, logic and reasoning, organization techniques, public speaking experience, and fundamentals of argumentation and debate. **Students will be offered the opportunity to compete in interscholastic debate contests.**

Advanced Debate A & B (NNU COMM 2120 – 1 Credit per semester for maximum of 4 credits)

Course Number(s): 01153G1021, 01153G1022
Open to: 10, 11, 12
Credit & Type: 2 Elective (ELECT) (*This course may be repeated*)
Prerequisite: Successful completion of Debate A & B or equivalent course or instructor approval.



Content: This course is for varsity level debaters and emphasizes individual research; affirmative and negative case strategies, and analysis of theory and argumentation. The course involves extensive outside of class research and preparation time. **Students will be offered the opportunity to compete in interscholastic debate contests.**

Family and Consumer Sciences

Foods & Nutrition

Course Number(s): 22202T1011
Open to: 9, 10, 11, 12
Credit & Type: 1 Elective (ELECT)
Prerequisite: None
Content: This course addresses nutrition, wellness, and personal lifestyle. Course content includes food safety and sanitation, food preparation techniques, meal management skills, nutrition, and career option in nutrition and related fields. This course provides students the opportunity to earn their Ready Set Food Safe Certification. FCCLA (Family, Career and Community Leaders of America) activities are an integral part of this course.

Introduction to Culinary Arts A & B

Course Number(s): 16055T1011, 16055T1012
Open to: 10, 11, 12
Credit & Type: 2 Elective (ELECT)
Prerequisite: Successful completion of Foods & Nutrition and Ready Set Food Safe Certification
Content: This course is a foundation in professional food preparation with practical application in career opportunities, reinforced basic skills, food safety and sanitation, use of commercial equipment, industrial food preparation, business management, service techniques and employability skills. This course will be using an “introductory level” industry standard curriculum of food safety and sanitation from ServSafe to prepare students for the Idaho Food Safety Exam. FCCLA (Family, Career and Community Leaders of America) activities are an integral part of this course.

Advanced Culinary Arts A & B – CTE Center - Renaissance Campus

Course Number(s): 19998T2011, 19998T2012
Open to: 11, 12
Credit & Type: 4 Elective (ELECT) (2 periods, 2 semesters) **2nd Period through 3rd Period; Lunch Break is included.**
Prerequisite: Successful completion of Intro to Culinary Arts A & B and a teacher recommendation.

Transportation:  **Students must provide their own transportation for the off-site training opportunities.**

Content: This course is a guided, practical, in-house experience working in the district’s student-run restaurant operations. Students will have the opportunity to develop skills and perform the duties required of personnel in food and beverage operations found within the restaurant industry. Second-level ServSafe curriculum is taught, and all students have the opportunity to take the ServSafe Certification Exam. Students will also have the opportunity to become certified by the American Culinary Federation (ACF) in either the Certified Fundamentals Cook (CFC) or Certified Fundamentals Pastry Cook (CFPC). FCCLA (Family, Career and Community Leaders of America) activities are an integral part of this course.

Health


HS Health

Course Number(s): 08051G1020
Open to: 10, 11, 12
Credit & Type: 1 Heath (HE)
Prerequisite: None
Content: This course identifies and examines major health issues providing accurate information to help individuals make decisions affecting personal, social, and environmental health. Specific units of study include: Mental, Emotional & Social Health; Nutrition & Physical Activity; Environmental Health; Alcohol, Tobacco & Other Drugs; Prevention & Control of Disease; STDs/STIs & HIV/AIDS; Growth, Development & Family Life; Consumer & Community Health; and Injury Prevention & Safety. **This course meets district graduation requirements for health.**

Health Professions A & B

Course Number(s): 14001T1011, 14001T1012
Open to: 10
Credit & Type: 2 Elective (1 ELECT & 1 HE)
Prerequisite: None
Content: This course is designed for students interested in the Health Careers Pathway or medical field. The course is also the prerequisite to the following upper-level courses: 1) Certified Nursing Assistant (CNA), 2) Emergency Medical Technician (EMT), 3) Pharmacy Technician, 4) Medical Terminology, 5) Sports Medicine II & III and 6) Physical Therapy Aide (PTA). Students will receive a robust overview of the following content areas: the health care industry, medical careers, first aid and CPR, medical terminology, anatomy and physiology, pathophysiology, and basic medical skills. **This course meets district graduation requirements for health.** (Concurrent credit may be available. (CSI ALLH-100))


Medical Terminology for Health Professions (BSU – HLHST 101 – 3 credits)

Course Number(s): 14154T2043, 14154T2044
Open to: 11, 12
Credit & Type: 2 Elective (ELECT) (1 semester, 2 periods)
Prerequisite: Successful completion of Health Professions A & B
Content:  This course presents a study of medical terminology. Prefixes, suffixes, word roots, combining forms, special endings, plural forms, abbreviations, and symbols are included in the content. All body systems, anatomical reference, pharmacology, and medical specialties will be considered. Emphasis is placed on spelling, definition, usage, and pronunciation. This course is required prior to enrolling in Certified Nursing Assistant or Pharmacy Technician and EMT Basic.

English Language Arts


College Introduction to Composition A (ISU Rhetoric & Writing – ENGLISH 1101 – 3 credits)

Course Number(s): 01004H1011
Open to: 11
Credit & Type: 1 English (ENG11)
Prerequisite: Successful completion of English 9 & 10.

Content:  This course focuses on developing students as reflective writers for success in the wide range of writing experiences that students will experience at the university level. Students will engage in the writing process, writing regularly, receiving feedback on their writing, and giving feedback to others. Academic writing conventions (including using the library, integrating sources, and using a citation system) will be introduced. Students will engage with informational, narrative, and argumentative texts as writing models. Extensive reading and writing are required. ***This is an approved NCAA course.***

College Introduction to Literature B (ISU – ENGLISH 1175 – 3 credits)

Course Number(s): 01052H1012
Open to: 11
Credit & Type: 1 English (ENG11)
Prerequisite: Successful completion of English 9 & 10.

Content:  Introduction to the critical reading of various literary genres, with attention to the interpretation and evaluation of representative texts. Extensive reading, writing and participation in class discussion are required. The syllabus is approved by the credit-granting university, and that university's student honesty and plagiarism policies apply. ***This course is an approved NCAA course.***

Honors English 9 A & B

Course Number(s): 01001H1011, 01001H1012
Open to: 9
Credit & Type: 2 English (ENG9)
Prerequisite: None

Content: This course meets the needs of high-achieving students performing considerably beyond grade level in English. Although the units of study share the same conceptual focus as English 9 A & B, the course challenges the student's ability to reason, synthesize, research, speak and write. In addition, students engage in advanced technical reading, writing as analysis and as assessment, and presentation of research. Successful honors students tend to have English Language Arts ISAT scores in the advanced range, attend class regularly, consistently meet deadlines, and have a willingness to work outside of class. ***This is an approved NCAA course.***

Honors English 10 A & B

Course Number(s): 01002H1011, 01002H1012
Open to: 10
Credit & Type: 2 English (ENG10)
Prerequisite: None

Content: This course meets the needs of high-achieving students performing considerably beyond grade level in English. Although the units of study share the same conceptual focus as English 10 A & B, the course challenges the student's ability to reason, synthesize, research, speak and write. In addition, students engage in advanced technical reading, writing as analysis and as assessment, and presentation of research. Successful honors students tend to have English Language Arts ISAT scores in the advanced range, attend class regularly, consistently meet deadlines, and have a willingness to work outside of class. ***This is an approved NCAA course.***

IB Language and Literature HL I A & B

Course Number(s): 01007E1031, 01007E1032
Open to: 11
Credit & Type: 2 English (ENG11)
Prerequisite: None



Content:

The Language and Literature course introduces the critical study and interpretation of written and spoken texts from a wide range of literary and non-literary genres. The formal analysis of texts is supplemented by awareness that meaning is not fixed but can change in respect to contexts of production and consumption. The course is organized into four parts, each focused on the study of either literary or non-literary texts. Together, the four parts of the course allow the student to explore the language A in question through its cultural development and use, its media forms and functions, and its literature. Students develop skills of literary and textual analysis, and the ability to present their ideas effectively. A key aim is the development of critical literacy. **This course is graded on a 5-point scale. This course is an approved NCAA course.**

IB Language and Literature HL II A & B

Course Number(s): 01007E1041, 01007E1042
Open to: 12
Credit & Type: 2 English (ENG12)
Prerequisite: Successful completion of IB Language and Literature HL I A & B

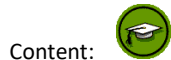


Content:

The Language and Literature course introduces the critical study and interpretation of written and spoken texts from a wide range of literary and non-literary genres. The formal analysis of texts is supplemented by awareness that meaning is not fixed but can change in respect to contexts of production and consumption. The course is organized into four parts, each focused on the study of either literary or non-literary texts. Together, the four parts of the course allow the student to explore the language A in question through its cultural development and use, its media forms and functions, and its literature. Students develop skills of literary and textual analysis, and the ability to present their ideas effectively. A key aim is the development of critical literacy. **This course is graded on a 5-point scale. This course is an approved NCAA course.**

Themes in College Literature A & B (ISU –ENGLISH 1115A – 3 credits & ENGLISH 1115B – 3 credits)

Course Number(s): 01052H1021, 01052H1022
Open to: 12
Credit & Type: 2 English (ENG12)
Prerequisite: Successful completion of English 9, English 10, English 11, or equivalent courses.




Content:

Introduction to literature through the study of one or more major themes that cross historical and cultural boundaries. Extensive reading, writing and participation in class discussion are required. **This is an approved NCAA course.**

Mathematics


College Calculus BC A & B (CWI – Math 175 Calculus II – 4 credits full year)

Course Number(s): 02125E1011, 02125E1012
Open to: 12
Credit & Type: 2 Math (MA)
Prerequisite: Successful completion of College Calculus A & B or IB Math Analysis SL II A & B

Content:  This course continues the study of Calculus by the following topics: parametric functions, polar and vector functions, improper integrals, logistic differential equations, as well as geometric, harmonic, converging, diverging, and the Taylor-Maclaurin series. Taking this course may require students to travel to another high school. A graphing calculator is recommended. ***This is an approved NCAA course.***


College Brief Calculus A & B (CWI – Math 170 Calculus I – 5 credits full year)

Course Number(s): 02110C1021, 02110C1022
Open to: 11, 12
Credit & Type: 2 Math (MA)
Prerequisite: Successful completion of College Precalculus A & B

Content:  An intensive review of pre-calculus and a beginning calculus course covering differentiation, applications of the derivative, integration, techniques of integration, and logarithmic functions. This class follows HS Math III A & B in the math course sequence. A graphing calculator is recommended. ***This is an approved NCAA course.***


College Algebra A & B (CWI – Math 143 College Algebra – 3 credits full year)

Course Number(s): 02061C1051, 02061C1052
Open to: 10, 11, 12
Credit & Type: 2 Math (MA)
Prerequisite: Successful completion of HS Math II A & B

Content:  This course formalizes fundamental concepts of algebra; equations and inequalities; functions and graphs; polynomial, rational, exponential, and logarithmic functions; systems of equations and inequalities; conics; the Binomial Theorem. If the university's grading expectations for this course are different than those of West Ada, the instructor must maintain two separate grade books. ***This is an approved NCAA course.***


College Precalculus A & B (CWI – MATH 147 College Algebra and Trigonometry – 5 credits full year)

Course Number(s): 02110C1011, 02110C1012
Open to: 10, 11, 12
Credit & Type: 2 Math (MA)
Prerequisite: Successful completion of HS Math II A & B

Content:  This course emphasizes the background theory a student must know to be successful in many calculus courses. Students will continue their study of functions, trigonometry, systems of equations, matrices, sequences, analytic geometry. A graphing calculator is recommended. ***This course is an approved NCAA course.***


College Statistics A & B (CWI – MATH 153 Statistical Reasoning – 3 credits full year)

Course Number(s): 02203C1011, 02203C1012
Open to: 11, 12
Credit & Type: 2 Math (MA)
Prerequisite: Successful completion of College Precalculus A & B or Finite Math A & B

Content:  This is a full year introductory, non-calculus-based course in statistics. It is equivalent to a typical introductory college course. Students are exposed to four conceptual themes: exploring data, planning a study, anticipating patterns, and statistical inference. Technology tools (graphing calculator, stat crunch and excel) will be utilized throughout the course. ***This is an approved NCAA course.***

Finite Mathematics A & B (CWI – MATH 130 Finite Math – 4 credits full year)

Course Number(s): 02061G1071, 02061G1072
Open to: 11, 12
Credit & Type: 2 Math (MA)
Prerequisite: Successful completion of College Precalculus A & B or IB Math Analysis SL I

Content:  Course topics include functions, linear and non-linear mathematical models, systems of linear equations, linear programming, matrix algebra and applications, mathematics of finance, logic, counting, and statistics. ***This course is an approved NCAA course.***

Honors HS Math I A & B

Course Number(s): 02061H1031, 02061H1032
Open to: 9
Credit & Type: 2 Math (MA)
Prerequisite: Successful completion of Math 8

Content: This is a highly accelerated high school math sequence for mathematics. The critical areas deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. It includes all the HS Math I standards as well as additional standards (+standards) that will prepare students for Calculus. A graphing calculator is highly recommended. ***This is an approved NCAA course.***

Honors HS Math II A & B

Course Number(s): 02061H1041, 02061H1042
Open to: 9, 10
Credit & Type: 2 Math (MA)
Prerequisite: Successful completion of Honors HS Math I A & B

Content: This course focuses on the formalization of quadratics and the application of mathematical and algebraic concepts to describe and solve geometric situations. This course includes the “plus” (Pre-calculus) standards. A graphing calculator is recommended. ***This is an approved NCAA course.***

IB Math Analysis SL I A & B

Course Number(s): 02132H1031, 02132H1032
Open to: 11
Credit & Type: 2 Math (MA)
Prerequisite: Successful completion of Hon HS Math II A & B or College Algebra A & B, or College Precalculus A & B

Content: 

The following content will be covered in the IB Math Analysis SL two-year program. Mathematics will include analysis and approaches for students who are interested in developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. Students explore real and abstract applications of these ideas, with and without technology.

Content covered includes but is not limited to advanced algebra topics; sequences and series, exponential, logarithmic, rational, and polynomial functions, binomial theorem, permutations and combinations with probability, statistics, partial fractions, right and not-right triangle trigonometry, limits, derivatives, and integral calculus. ***This course is an approved NCAA course.***

IB Math Analysis SL II A & B

Course Number(s): 02132H1033, 02132H1034
Open to: 12
Credit & Type: 2 Math (MA)
Prerequisite: IB Math Analysis SL I A & B

Content: 

The following content will be covered in the IB Math Analysis SL two-year program. Mathematics will include analysis and approaches for students who are interested in developing their mathematics to become fluent in the construction of mathematical arguments and develop strong skills in mathematical thinking. Students explore real and abstract applications of these ideas, with and without technology.

Content covered includes but is not limited to advanced algebra topics; sequences and series, exponential, logarithmic, rational, and polynomial functions, binomial theorem, permutations and combinations with probability, statistics, partial fractions, right and not-right triangle trigonometry, limits, derivatives, and integral calculus. ***This course is an approved NCAA course.***

Miscellaneous Elective Courses

Academic Decathlon A & B

Course Number(s):	22106G1011, 22106G1012
Open to:	9, 10, 11, 12
Credit & Type:	2 Elective (ELECT) <i>(This course may be repeated)</i>
Prerequisite:	None
Content:	Academic Decathlon allows students to study a topic that changes annually from ten different academic disciplines including literature, language, music, science, math, social science, art, and economics. Students will express the depth of their knowledge through standardized testing, public speaking, interviews, and written essays. This course provides students with an opportunity to understand a topic in depth and how it relates to everyday life. Students who take this course will have a variety of extracurricular opportunities available to them.

School Leadership

Course Number(s):	22101G1020
Open to:	9, 10, 11, 12
Credit & Type:	1 Elective (ELECT) <i>(This course may be repeated)</i>
Prerequisite:	None
Content:	This class will provide students with the opportunity to increase participation in teams, clubs, and other group activities, fostering a sense of ownership. The class is based on building a sense of community and leadership among our student population. The intent of this class is to build skills in the areas of community service, planning, organization, leadership, responsibility, organization, and teamwork.

Sources of Strength Leadership A & B


Course Number(s):	22101G1061, 22101G1062
Open to:	9, 10, 11, 12
Credit & Type:	2 Elective (ELECT) <i>(This course may be repeated)</i>
Prerequisite:	Teacher Recommendation; Application and Selection
Content:	Sources of Strength is a group of nominated peer leaders and adult advisors across grade levels whose primary goals are to positively influence peer social norms about seeking help and to encourage students to individually assess and develop strengths in their life. This group of peer leaders mentored by adult advisors lead school-wide campaigns to help students identify and build their sources of strength. This is a leadership seminar that will give selected Sources of Strength Leadership members time for learning leadership skills, planning, organizing, advertising, and improving Sources of Strength activities for their school. Class time will be equally divided between developing leadership skills and implementing school-wide Sources of Strength campaigns. This course is graded as pass/fail. Note: This course will work closely with the counseling department at each location

Student Council A & B

Course Number(s):	22101G1011, 22101G1012
Open to:	9, 10, 11, 12
Credit & Type:	2 Elective Credits (ELECT) <i>(This course may be repeated)</i>
Prerequisite:	Application and selection process for all students including those elected to a Student Council position.
Content:	All students who are elected to the student council will be enrolled in this course. Additional students will be selected through the application process. This co-curricular course will give all Student Council members time for learning leadership through planning, organizing, advertising, and improving school activities and culture. For this course to be part of the students' schedule, it must work with the requests needed to meet the IBDP, IBCP, and/or AA degree requirements.

Career & College Readiness (BSU – ACAD 101 HS to College Transition – 3 credits)

Course Number(s): 22106G1020
Open to: 11, 12
Credit & Type: 1 Elective (ELECT)
Prerequisite: None

Content:  This course is designed to prepare students for career, college, or other post-secondary education. Topics covered will be ACT and SAT preparation, higher education application process, scholarship search, personal portfolio development, college study skills and expectations, college essay writing skills to include APA format and research techniques and methods.


Creative Writing

Course Number(s): 01104G1011
Open to: 10, 11, 12
Credit & Type: 1 Elective (ELECT)
Prerequisite: None

Content: This course is for advanced students of writing who want to experiment with style while developing and improving their own technique. The course emphasizes development of individual voice and style as well as form and technique. Poetry, fiction, short stories, and personal and expository essays will be emphasized. **This course does not meet district graduation requirements for English. *This is an approved NCAA course.***

College Creative Writing (CWI -- Intro to Creative Writing-- ENGL 191 – 3 credits)

Course Number(s): 01104H1030
Open to: 10, 11, 12
Credit & Type: 1 Elective (ELECT)
Prerequisite: Creative Writing

Content:  This course is for advanced students of creative writing and emphasizes development of voice, style, form, and technique, and will include close reading of texts, work on writing exercises, and discussion of student's original writing in a workshop setting. The course focus (fiction, creative nonfiction, **or** poetry) will be determined by the credit granting university. Check with your instructor to verify the course focus. Students *may* oversee the publication of school literary/artwork magazine. **This course does not meet district graduation requirements for English. *This is an approved NCAA course.***

Myth & Legends

Course Number(s): 01061G1011
Open to: 9, 10, 11, 12
Credit & Type: 1 Elective (ELECT)
Prerequisite: None

Content: Cultures blend and the past illuminates the present through this course that examines folk talks, fairy tales, myths, and legends from around the world. Students will improve reading and writing skills as they become familiar with the stories that have defined cultures and explained natural phenomena. **This course does not meet district graduation requirements for English. *This is an approved NCAA course.***

Psychology I

Course Number(s): 04255G1011
Open to: 11, 12
Credit & Type: 1 Elective (SS, ELECT)
Prerequisite: None

Content: This class studies the individual and personality. It promotes understanding of oneself. It is a study of how the mind learns both consciously and unconsciously and how these learned patterns affect our behavior. Specific areas of study include History, Research Methods, Developmental Psychology, Biology and Behavior, Altered States of Consciousness, Behavioral and Social Learning. ***This is an approved NCAA course.***

Psychology II

Course Number(s): 04254G1010
Open to: 11, 12
Credit & Type: 1 Elective (SS, ELECT)
Prerequisite: Successful completion of Psychology I
Content: This class continues the study of the individual and personality. It promotes understanding of oneself and others. It is a study of how the mind learns both consciously and unconsciously and how these learned patterns affect our behavior. Specific areas of study include Memory, Intelligence, Social Psychology, Personality, Abnormal Behavior and Treatments. ***This is an approved NCAA course.***

Reader's Choice

Course Number(s): 01051G1011
Open to: 9, 10, 11, 12
Credit & Type: 1 Elective (ELECT) (*This course may be repeated.*)
Prerequisite: None
Content: Like to read? This class is for you. Students will read for pleasure, choosing titles from a variety of genres and titles for independent and small group reading. Students will interact with other students discussing and sharing reactions and ideas about books read for class as well as creating and presenting book talks, reviews, posters, trailers, and other media that encourage others to read as well. **This course does not meet district graduation requirements for English.**

Sociology I

Course Number(s): 04258G1011
Open to: 11, 12
Credit & Type: 1 Elective (SS, ELECT)
Prerequisite: None
Content: This class studies the behavior of human personalities as well as the effects and development of culture. The class brings into focus the development of social structures, why societies develop in certain ways, how the process of socialization affects both the individual and the group, and how distinctions arise within various societies. ***This is an approved NCAA course.***

Sociology II

Course Number(s): 04258G1012
Open to: 11, 12
Credit & Type: 1 Elective (SS, ELECT)
Prerequisite: Successful completion of Sociology I
Content: This class examines and applies theoretical perspectives and research methods. The instructional focus will include social stratification within the American class system and the impact of social inequalities such as race, ethnicity, gender, and income. Additional studies will include the effects of social change and social movements. **This is an approved NCAA course.**

Theory & Practice of Writing

Course Number(s): 01105G1030
Open to: 10, 11, 12
Credit & Type: 1 Elective (ELECT) (*This course may be repeated.*)
Prerequisite: None
Content: Students will explore literacy theory and pedagogy, preparing to act as writing consultants for the school writing center, learning about the scope of the school writing center and various approaches to supporting student writing as a writing consultant. Students successfully completing this class may be eligible to act as writing consultants in their school's writing center. These courses are designed to support schools that have a school writing center. **This course does not meet district graduation requirements for English.**

Writing Center Tutor

Course Number(s): 22054G1020
Open to: 11, 12
Credit & Type: 1 Elective (ELECT) *(This course may be repeated.)*
Prerequisite: Successful completion of Theory & Practice of Writing or approved writing center application
Content: Students will continue to discover how to look at and write about literature, academic writing, as well as engage in more advanced peer tutor training. Students will apply their knowledge by assisting in the school's writing center as well as acting as a peer writing tutor during the class period across content areas. These courses are designed to support schools that have a school writing center. ***This course is graded as pass/fail. This course does not meet district graduation requirements for English.***

Yearbook A & B

Course Number(s): 11104G1031, 11104G1032
Open to: 10, 11, 12
Credit & Type: 2 Elective (ELECT) *(This course may be repeated)*
Prerequisite: None
Content: Yearbook teaches students how to prepare a yearbook for publication, including page layout, copy and headline writing, and production coordination. Students are responsible for taking, developing, and printing photographs for the publication. Credit is granted for each successive year the student successfully completes.

Music

Concert Band A & B

Course Number(s): 05103G1011, 05103G1012
Open to: 9, 10, 11, 12
Credit & Type: 2 (HUM, MUSIC) *(This course may be repeated.)*
Prerequisite: Successful completion of 8th Grade Band



Content: This class broadens the student's technical and musical skills as instrumentalists. Focusing on literature of moderate difficulty, students will develop their abilities to join the advanced high school classes including the Symphonic and Jazz Bands. Students perform a variety of styles of music including pop, sacred, secular, and spirituals. Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.

Concert Choir A & B

Course Number(s): 05111G1011, 05111G1012
Open to: 9, 10, 11, 12
Credit & Type: 2 (HUM, MUSIC) *(This course may be repeated.)*
Prerequisite: None



Content: A non-auditioned performance-based course, either mixed or non-mixed, open to any student with a desire to sing. This course focuses on vocal skill building concepts, including beginning concepts in singing, music literature, history, theory, music appreciation and vocal presentation. Students perform a variety of styles of music including pop, sacred, secular, and spirituals. Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.

History of Rock & Roll

Course Number(s): 05117G1011
Open to: 9, 10, 11, 12
Credit & Type: 1 Elective (MUSIC, or ELECT)
Prerequisite: None



Content: This class is designed to give the student a sense of how modern music came into being. It will also demonstrate how it has played an important role in modern society. Students will study music and society from the early 20th century through music heard today. Links will be made to the historical events that helped create the music most listened to in today's society.

Music History

Course Number(s): 05118G1011
Open to: 9, 10, 11, 12
Credit & Type: 1 Music (MUSIC)
Prerequisite: None



Content: Introduction to the study of Western music history, including representative composers, works, and genres, as well as significant concepts and issues. Some world music will also be included.

IB Music HL I A & B

Course Number(s): 05116E1021, 05116E1022
Open to: 11
Credit & Type: 2 Humanities (HUM)
Prerequisite: Recommended successful completion of Music History (or an equivalent course)



Content:

This course will examine the fundamental elements of music, with emphasis on giving students a basis for listening to and evaluating the music they will encounter throughout the remainder of the course, applying that knowledge in composing original compositions, and performing as individuals and/or in groups. The aim of the course is to provide opportunities for students to recognize the diversity of the world's music with an emphasis on critical thinking skills. Students will explore practical applications of performance on instruments familiar and/or new to them becoming proficient in music analysis, listening perception, and components of composition. Students at the HL level will create and/or arrange music and defend/debate the value of music composed and arranged. Students will demonstrate understanding by internal and external assessments, in the form of technical writing of music analysis; solo and group performance of original compositions and music written by others; and fundamentals of music research, based on topics chosen by the student and approved by the instructor. **This course is graded on a 5-point scale.**

Orchestra I A & B

Course Number(s): 05105G1011, 05105G1012
Open to: 9, 10, 11, 12
Credit & Type: 2 (HUM, MUSIC) (*This course may be repeated.*)
Prerequisite: Previous String Instruction and/or Instructor Approval



Content:

Students will study and perform quality literature suited to ability level. Students will learn concepts of orchestra technique and elements of music such as music theory and history while continuing to develop individual skill on their instrument. Students perform a variety of styles of music including pop, sacred, secular, and spirituals. Students who take this course will have a variety of extracurricular performance and rehearsal opportunities available to them.

Physical Education

Cardio Fitness

Course Number(s):	08005G1010,
Open to:	9, 10, 11, 12
Credit & Type:	1 Physical Education (PE) (<i>This course may be repeated.</i>)
Prerequisite:	Successful completion of Intro to Fitness
Content:	Cardio Fitness is a class designed to improve overall cardiovascular endurance, strength, flexibility, and weight control. This class is suitable for any student, athlete, or non-athlete. Students will demonstrate an understanding of cardiovascular fitness while participating in a variety of activities. Activities include, but are not limited to endurance and speed training, spinning, aerobics, yoga, Pilates, etc. Students will participate each day and will need to wear attire that will allow them to safely and appropriately participate in physical activity while following dress code guidelines. Clothing such as shorts, T-shirts, sweats, and athletic-style footwear allows students to participate to the fullest and safest extent possible.

Introduction to Fitness

Course Number(s):	08009G1010
Open to:	9, 10
Credit & Type:	1 Physical Education (PE)
Prerequisite:	None
Content:	Students will be introduced to and instructed in a wide variety of skills, concepts, and activities that will significantly enhance their appreciation, knowledge, and physical fitness levels. Introduction to fitness will specifically focus on teaching students the proper fundamentals and techniques necessary for core strength, stability improvement, speed, and agility. A rigorous and intense multi-fitness approach will be utilized to enhance student achievement. This is a non-recreational course which demands a high work ethic. Students will participate each day and will need to wear attire that will allow them to safely and appropriately participate in physical activity while following dress code guidelines. Clothing such as shorts, T-shirts, sweats, and athletic-style footwear allows students to participate to the fullest and safest extent possible.


Pre-Engineering

Introduction to Engineering Design

Course Number(s):	21006T1010
Open to:	9, 10
Credit & Type:	1 Elective (ELECT)
Prerequisite:	None
Content:	In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community. The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation.

Principles of Engineering A & B (NNU – ENGR 1010 – 3 credits)

Course Number(s):	21004T1011, 21004T1012
Open to:	10, 11
Credit & Type:	2 Science (SCI) or 2 Elective (ELECT) (full year, 1 period)
Prerequisite:	Successful completion of Introduction to Engineering Design and concurrent enrollment in HS Math II A & B or above.

Content:	 <p>This survey course of engineering exposes students to some of the major concepts they will encounter in a postsecondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges such as a solar/hydrogen hybrid car, a bridge truss, a contraption built and programmed to sort marbles of different materials, and a projectile motion device. Students also learn how to document their work and communicate their solutions to peers and members of the professional community.</p>
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Computer Integrated Manufacturing – CTE Center - Renaissance Campus

Course Number(s):	21010T2021
Open to:	11, 12
Credit & Type:	2 Elective (ELECT) (1 semester, 2 periods)
Prerequisite:	Successful completion Principles of Engineering A & B. Students must be concurrently enrolled in HS Math II or above. Digital Electronics is <u>highly recommended</u> .

Content:	The major focus of this course is to answer questions such as: How are things made? What processes go into creating products? How do assembly lines work? How has automation changed the face of manufacturing? As students find the answers to these questions, they learn about the history of manufacturing, a sampling of manufacturing processes, robotics, and automation. The course is built around several key concepts: computer modeling, Computer Numeric Control (CNC) equipment, Computer Aided Manufacturing (CAM) software, robotics, and flexible manufacturing systems.
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Digital Electronics – CTE Center - Renaissance Campus

Course Number(s):	21008T2012
Open to:	11, 12
Credit & Type:	2 Elective (ELECT) (1 semester, 2 periods)
Prerequisite:	Successful completion of Principles of Engineering A & B. Students must be concurrently enrolled in HS Math II or above. Computer Integrated Manufacturing is <u>highly recommended</u> .

Content:	This course is the study of electronic circuits that are used to process and control digital signals. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, and high-definition televisions. The major focus of the DE course is to expose students to the process of combinational and sequential logical design, teamwork, communication methods, engineering standards and technical documentation.
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Civil Engineering & Architecture A & B (U of I – Intro to Arch 151—4 credits) – CTE Center - Renaissance Campus

Course Number(s): 21012T2011, 21012T2012
Open to: 11, 12
Credit & Type: 4 Elective (ELECT) (full year, 2 periods)
Prerequisite: Successful completion of Principles of Engineering A & B.

Content:  The major focus of this course is completing long-term projects that involve the development of property sites. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of a property. Students work in teams, exploring hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems, and communicating their solutions to their peers and members of the professional community of civil engineering and architecture.


Aerospace Engineering – CTE Center - Renaissance Campus

Course Number(s): 21015T2011
Open to: 12
Credit & Type: 2 Elective (ELECT) (1st semester, 2 periods)
Prerequisite: Successful completion of Digital Electronics and/or Computer Integrated Manufacturing, or Civil Engineering & Architecture A & B.

Content: The major focus of this course is to expose students to the world of aeronautics and aerospace engineering and related areas of study. Lessons and projects engage students in engineering design problems related to evolution of flight, physics of flight, flight simulation, propulsion, rocketry, space travel, aerospace structures and materials, flight and space physiology, remote sensing, and robotics. In addition, students use 3D design software to help design solutions to proposed problems. Students design intelligent vehicles to learn about documenting their project, solving problems, and communicating their solutions to their peers and members of the professional community.

Engineering Design & Development (NNU – ENGR 1050 – 3 credits) – CTE Center - Renaissance Campus

Course Number(s): 21007T2012
Open to: 12
Credit & Type: 2 Science (SCI) or 2 Elective (ELECT) (1 semester, 2 periods)
Prerequisite: Successful completion of Digital Electronics and/or Computer Integrated Manufacturing, or Civil Engineering & Architecture A & B. Students must be concurrently enrolled in HS Math III A & B or above.

Content:  This capstone course allows students to design a solution to a technical problem of their choosing. This is an engineering research course in which students' research, design, test and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide and help the team to reach a solution to the problem. Students create presentations to their solutions. The EDD course allows students to apply all the skills and knowledge learned in previous engineering courses. This course also engages students in time management and teamwork skills, a valuable set for students in the future. Students in Engineering Design and Development are responsible for obtaining supplies specific to their group projects. Students are encouraged to seek out donations and/or recycled parts that can be used in completing their projects.

Required Courses for RHS Only

IB Personal and Professional Skills I

Course Number(s): 22106H1010
Open to: 11 (spring semester)
Credit & Type: 1 (PPS) (*This course is required for students to graduate from RHS only*)
Prerequisite: Enrolled in the IBCP program

Content: 

The IB Personal and Professional Skills (PPS I) course challenges IB Career-related Program (IBCP) students in the areas of thinking, intercultural understanding, communication, and personal development. In this course students will examine the ethics, value judgements, and belief systems of their various career fields. Through the PPS course, students will develop intellectual habits; practical problem-solving skills; ethical, creative and lateral thinking skills; self-awareness; individual strengths and limitations; intercultural awareness; communication skills; personal and interpersonal skills for the workplace and beyond; the skills of reflection and critical thinking in personal, social and professional situations; and an understanding that many questions, issues or problems do not always have simple right or wrong answers. IBCP students will begin to produce the Reflective Project that investigates and focuses on an ethical dimension of an issue arising from the student's career/vocational studies. The Reflective Project promotes high-level research and writing skills, intellectual discovery, and creativity. Additionally, students will begin to organize their Language Portfolio, setting language acquisition goals and planning their language learning outcomes.

IB Personal and Professional Skills II

Course Number(s): 22106H1020
Open to: 12 (fall semester)
Credit & Type: 1 (PPS) (*This course is required for students to graduate from RHS only*)
Prerequisite: Successful completion of IB Personal and Professional Skills I

Content: 

The IB Personal and Professional Skills (PPS I) course challenges IB Career-related Program (IBCP) students in the areas of thinking, intercultural understanding, communication, and personal development. In this course students will examine the ethics, value judgements, and belief systems of their various career fields. Through the PPS course, students will develop intellectual habits; practical problem-solving skills; ethical, creative and lateral thinking skills; self-awareness; individual strengths and limitations; intercultural awareness; communication skills; personal and interpersonal skills for the workplace and beyond; the skills of reflection and critical thinking in personal, social and professional situations; and an understanding that many questions, issues or problems do not always have simple right or wrong answers. IBCP students will begin to produce the Reflective Project that investigates and focuses on an ethical dimension of an issue arising from the student's career/vocational studies. The Reflective Project promotes high-level research and writing skills, intellectual discovery, and creativity. Additionally, students will begin to organize their Language Portfolio, assessing their own growth and level of acquisition, and reflecting on areas of future development and application.

IB Theory of Knowledge I

Course Number(s): 04304E1011
Open to: 11 (spring semester)
Credit & Type: 1 (TOK) (*This course is required for students to graduate from RHS only*)
Prerequisite: None



Content: The Renaissance High School Theory of Knowledge course is designed to be taught over two years (Junior year-semester 2, Senior year semester 1), giving students an opportunity to show what they can do with the tools they have gained over the decade of their educational experience. In Theory of Knowledge, students will tie together Areas of Knowledge (i.e., natural and human sciences, history, the arts, ethics, mathematics) while considering the various Ways of Knowing (i.e., perception, language, reason, emotion) that lead to personal realization of said Areas of Knowledge. In doing so, students consider the implications of viewing personal points of interest through culturally and disciplinarily diverse lenses. ***This course is an approved NCAA course.***

IB Theory of Knowledge II

Course Number(s): 04304E1012
Open to: 12 (fall semester)
Credit & Type: 1 (TOK) (*This course is required for students to graduate from RHS only*)
Prerequisite: IB Theory of Knowledge I



Content: The Renaissance High School Theory of Knowledge course is designed to be taught over two years (Junior year-semester 2, Senior year semester 1), giving students an opportunity to show what they can do with the tools they have gained over the decade of their educational experience. In Theory of Knowledge, students will tie together Areas of Knowledge (i.e., natural and human sciences, history, the arts, ethics, mathematics) while considering the various Ways of Knowing (i.e., perception, language, reason, emotion). ***This course is an approved NCAA course.***

Research and Communication for the 21st Century

Course Number(s): 01105G1021
Open to: 9, 10
Credit & Type: 1 (RES) (*This course is required for students to graduate from RHS only*)
Prerequisite: None

Content: This course addresses the 21st century research and communications skills needed to be successful in a global society.



Science

Chemistry A & B

Course Number(s): 03101G1011, 03101G1012

Open to: 10, 11, 12

Credit & Type: 2 Science (SCI)

Prerequisite: HS Math I A & B

Content: This course covers the basic concepts of inorganic and physical chemistry with a focus on lab work. Mathematical skills are frequently used. It can be taken for concurrent credit and aligns to an introductory chemistry course (such as CWI's CHEM 101 and lab) which is typically taken by those entering health science careers such as nursing, dental hygiene, and radiology. It is also designed to prepare students for AP Chemistry/CHEM 111. Also mathematically based to give students the background to succeed in higher levels of chemistry. If taken for concurrent credit, this course will require the instructor to keep two gradebooks, one which follows West Ada grading policy and building procedures, and another that follows the concurrent credit university's grading policy. ***This is an approved NCAA course.***


College Biology I A & B (ISU – BIOL 1101 & BIOL 1101L – 4 credits)

Course Number(s): 03052H1011, 03052H1012

Open to: 11

Credit & Type: 2 Science (SCI)

Prerequisite: Chemistry A & B

Content:  This course is designed to be the equivalent of a college introductory biology course for non-science majors. The junior year will cover major concepts in biology with an emphasis on the acquisition of new knowledge, cell structure and function, principles of inheritance, and evolution. ***This course is an approved NCAA course.***


College Biology II A & B (ISU – BIOL 1102 & BIOL 1102L – 4 credits)

Course Number(s): 03052H1021, 03052H1022

Open to: 12

Credit & Type: 2 Science (SCI)

Prerequisite: College Biology I A & B

Content:  This course is designed to be the equivalent of a college introductory biology course for non-science majors. The senior year will cover major concepts in biology with an emphasis on the development of diversity, plant and animal structure and function, ecology, and behavior. This course has a concentration of lab work with technical lab reports required. ***This course is an approved NCAA course.***


College Chemistry A & B (CWI – CHEM 111 & CHEM 111L – 4 credits)

Course Number(s): 03102H1011, 03102H1012

Open to: 11, 12

Credit & Type: 2 Science (SCI)

Prerequisite: Chemistry A & B

Content:  This course is designed to be an advanced chemistry course covering in detail the following topics: atomic structure, chemical bonding, states of matter, reactions and reaction rates, equilibrium principles, thermodynamics, oxidation and reduction, acids, bases, and an introduction to organic and nuclear concepts. Laboratory activities in each area will be emphasized. ***This course is an approved NCAA course.***

Honors Integrated Science A & B

Course Number(s): 03201H1011, 03201H1012

Open to: 9

Credit & Type: 2 Science (SCI)

Prerequisite: None

Content: This honors Integrated Science course is designed for students to develop their skills and knowledge in physical, earth, and life science. This course will prepare students for the higher-level courses offered in the IB and AA programs. Subjects addressed will be physical science, earth science, and life science. ***This course is an approved NCAA course.***

IB Biology HL I A & B

Course Number(s): 03057E1021, 03057E1022

Open to: 11

Credit & Type: 2 Science (SCI)

Prerequisite: Chemistry A & B

Content: 

Biology HL will include extended topics from SL, additional laboratory hours, and instructional time. The purpose of biology is to develop an understanding of the life sciences by incorporating experimental and theoretical knowledge. The objectives of biology are to train students to formulate hypotheses, interpret observations, develop experimentation, analyze data, explain conclusions, and communicate findings. The course is a rigorous college preparatory curriculum stressing analytical thinking using the scientific method, experimental activities, and practical investigations. Students will use scientific inquiry while developing science skills by learning to manipulate data using data logging laboratory equipment. Students will focus on the big ideas, structure and function, universality versus diversity, equilibrium in systems, and evolution. ***This course is graded on a 5-point scale. This course is an approved NCAA course.***

IB Biology HL II A & B

Course Number(s): 03057E1031, 03057E1032

Open to: 12

Credit & Type: 2 Science (SCI)

Prerequisite: IB Biology HL I A & B

Content: 

Biology HL will include extended topics from SL, additional laboratory hours, and instructional time. The purpose of biology is to develop an understanding of the life sciences by incorporating experimental and theoretical knowledge. The objectives of biology are to train students to formulate hypotheses, interpret observations, develop experimentation, analyze data, explain conclusions, and communicate findings. The course is a rigorous college preparatory curriculum stressing analytical thinking using the scientific method, experimental activities, and practical investigations. Students will use scientific inquiry while developing science skills by learning to manipulate data using data logging laboratory equipment. Students will focus on the big ideas, structure and function, universality versus diversity, equilibrium in systems, and evolution. ***This course is graded on a 5-point scale. This course is an approved NCAA course.***

**IB Chemistry HL I A & B**

Course Number(s): 03107E1011, 03107E1012

Open to: 11

Credit & Type: 2 Science (SCI)

Prerequisite: Chemistry A & B



Content: Chemistry is an experimental science that combines academic study with the acquisition of practical and investigational skills. It is called the central science, as chemical principles underpin both the physical environment in which we live and all biological systems. IB Chemistry course includes the essential principles of the subject but also, through selection of options, allows teachers some flexibility to tailor the course to meet the needs of their students. **This course is graded on a 5-point scale. This course is an approved NCAA course.**

IB Chemistry HL II A & B

Course Number(s): 03107E1021, 03107E1022

Open to: 12

Credit & Type: 2 Science (SCI)

Prerequisite: IB Chemistry HL I A & B



Content: Chemistry is an experimental science that combines academic study with the acquisition of practical and investigational skills. It is called the central science, as chemical principles underpin both the physical environment in which we live and all biological systems. IB Chemistry course includes the essential principles of the subject but also, through selection of options, allows teachers some flexibility to tailor the course to meet the needs of their students. **This course is graded on a 5-point scale. This course is an approved NCAA course.**

IB Environmental Systems and Societies SL I A & B

Course Number(s): 03207H1021, 03207H1022

Open to: 11

Credit & Type: 2 Science (SCI)

Prerequisite: None




Content: ESS is grounded in both a scientific exploration of environmental systems in their structure and function, and in the exploration of cultural, economic, ethical, political, and social interactions of societies with the environment. As a result of studying this course, students will become equipped with the ability to recognize and evaluate the impact of our complex system of societies on the natural world.

Social Studies


American Government A & B

Course Number(s):	04151G1011, 04151G1012
Open to:	10
Credit & Type:	2 American Government (AMG)
Prerequisite:	None
Content:	This class addresses the course of America's political development and institutions with an emphasis on citizenship awareness and citizen rights and responsibilities. It emphasizes the following: The Constitution, American political parties, state and local governments, and federalism. <i>This is an approved NCAA course.</i>


College Middle East History & Culture (ISU – HIST 2254 – 3 credits) (25-26)

Course Number(s):	04051H1040
Open to:	11, 12
Credit & Type:	1 Eastern Geographical Perspectives (EGP)
Prerequisite:	None
Content:	 History of the Middle East as a world region from the emergence of Islam to 1500. Emphasis on cultures, people, and traditions associated with the Middle East and Islam, including the development and influence of social, political, and economic trends and institutions. <i>This course is an approved NCAA course.</i>


College Personal Finance (ISU – FIN 1115 – 3 credits) (25-26)

Course Number(s):	22210H1010
Open to:	11, 12
Credit & Type:	1 Elective (SS, ELECT)
Prerequisite:	None
Content:	 Students will evaluate and analyze personal and public information and databases to develop financial literacy for budgeting, credit, borrowing, planning, insurance, investing and estate planning. They will also examine financial literacy within the larger context of the regularity environment, society, data integrity and ethics.

College US History I (ISU – HIST 1111 – 3 credits) (24-25)

Course Number(s):	04102H1010
Open to:	11, 12
Credit & Type:	1 Elective (SS, ELECT)
Prerequisite:	None
Content:	 This course is designed to cover the colonial origins and achievement of independence, constitutional government, national boundaries, and the preservation of the union up through 1865. <i>This course is an approved NCAA course.</i>

College US History II (ISU – HIST 1112 – 3 credits) (24-25)

Course Number(s):	04103H1010
Open to:	11, 12
Credit & Type:	1 Elective (SS, ELECT)
Prerequisite:	None
Content:	 This course is designed to cover the domestic and international development of a plural, industrial society from 1865 to present. <i>This course is an approved NCAA course.</i>

College Economics (ISU– ECON 2201 – 3 credits)

Course Number(s): 04201C1011
Open to: 12
Credit & Type: 1 Economics (ECON)
Prerequisite: None



Content: This “college level” course is designed to meet the need of high achieving students. It provides the motivated student with a challenging, in-depth look at economics in our world. A wider variety of content will be covered in greater depth and at a faster pace than a traditional economics class. ***This course is an approved NCAA course.***

Honors U.S. History Survey A & B

Course Number(s): 04149H1011, 04149H1012
Open to: 9
Credit & Type: 2 United States History (USH10 and USH11)

Content: This is a course specific to Renaissance High School. This course will be an overview of U.S. History from exploration through the 20th century. This will be an accelerated approach to the study of U.S. history. Units of study will focus on time periods, generalizations, big ideas and key concepts in U.S. History. ***This course is an approved NCAA course.***

IB Geography HL I A & B

Course Number(s): 04003E1011, 04003E1012
Open to: 11
Credit & Type: 1 Eastern Geographical Perspectives (EGP) & 1 Elective (SS, ELECT)
Prerequisite: None

Content: IB Geography is firmly grounded in the real world and focuses on the interactions between individuals, societies and physical processes in both time and space. It seeks to identify trends and patterns in these interactions. It also investigates the way in which people adapt and respond to change and evaluates actual and possible management strategies associated with such change. Geography describes and helps to explain the similarities and differences between different places. This course is graded on a 5-point scale.



IB Geography HL II A & B

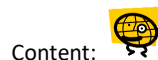
Course Number(s): 04003E1021, 04003E1022
Open to: 12
Credit & Type: 2 Electives (ELECT)
Prerequisite: Successful completion of IB Geography HL I A & B

Content: IB Geography is firmly grounded in the real world and focuses on the interactions between individuals, societies and physical processes in both time and space. It seeks to identify trends and patterns in these interactions. It also investigates the way in which people adapt and respond to change and evaluates actual and possible management strategies associated with such change. Geography describes and helps to explain the similarities and differences between different places. ***This course is graded on a 5-point scale.***



IB Social and Cultural Anthropology HL I A & B

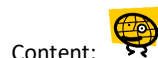
Course Number(s): 04253E1011, 04253E1012
Open to: 11
Credit & Type: 1 Eastern Geographical Perspectives (EGP) & 1 Elective (SS, ELECT)
Prerequisite: None



Content: Social and cultural anthropology is the comparative study of culture and human societies. Anthropologists seek an understanding of humankind in all its diversity. Social and Cultural Anthropology places special emphasis on comparative perspectives. Topics of anthropological inquiry include social change, kinship, symbolism, exchange, belief systems, ethnicity, and power relations. Social and cultural anthropology examines urban as well as rural society and modern nation states. Anthropology contributes to an understanding of contemporary issues such as war and conflict, the environment, poverty, injustice, inequality, and human and cultural rights. **This course is graded on a 5-point scale. This course is an approved NCAA course. One semester of IB Social and Cultural Anthropology HL I will satisfy the Eastern Geographical Perspectives graduation requirement.**

IB Social and Cultural Anthropology HL II A & B

Course Number(s): 04253E1013, 04253E1014
Open to: 12
Credit & Type: 2 Elective (SS, ELECT)
Prerequisite: IB Social and Cultural Anthropology HL I A & B




Content: Social and cultural anthropology is the comparative study of culture and human societies. Anthropologists seek an understanding of humankind in all its diversity. Social and Cultural Anthropology places special emphasis on comparative perspectives. Topics of anthropological inquiry include social change, kinship, symbolism, exchange, belief systems, ethnicity, and power relations. Social and cultural anthropology examines urban as well as rural society and modern nation states. Anthropology contributes to an understanding of contemporary issues such as war and conflict, the environment, poverty, injustice, inequality, and human and cultural rights. **This course is graded on a 5-point scale. This course is an approved NCAA course.**

Visual Arts


Art 1: Design

Course Number(s): 05154G1011
Open to: 9, 10, 11, 12
Credit & Type: 1 Humanities (HUM)
Prerequisite: None

Content:  This course explores the elements and principles of design through projects that may include collage, pencil, colored pencil, paint, and printmaking. Art history study will include Op Art (Optical) and Abstract art. This course is a prerequisite for all advanced classes including ceramics classes.


Art 1: Drawing

Course Number(s): 05156G1011
Open to: 9, 10, 11, 12
Credit & Type: 1 Humanities (HUM)
Prerequisite: None

Content:  This course is an introduction to high school level drawing. Students will explore figure, contour, gesture, cartooning, and still life drawing. Proportion, perspective, shading, texture, and value scales are introduced. Art history study will include the Renaissance and Cubism. This course is a prerequisite for all advanced classes including ceramics classes.


Art 2: Drawing/Painting A

Course Number(s): 05155G1011
Open to: 10, 11, 12
Credit & Type: 1 Humanities (HUM)
Prerequisite: Successful completion of Art 1 (Design and Drawing)

Content:  This course explores drawing and painting at higher levels with an emphasis on original compositions. Students will work with acrylics, pen, and ink, as well as other art materials. Art history topics will include Impressionism and Expressionism.


Art 2: Drawing/Painting B

Course Number(s): 05155G1012
Open to: 10, 11, 12
Credit & Type: 1 Humanities (HUM)
Prerequisite: Successful completion of Art 1 (Design and Drawing)

Content:  This course explores drawing and painting at higher levels with an emphasis on original compositions. Students will work with watercolor, printmaking, and other art materials. The art history focus will be Pop Art.


Art 3: Advanced Art

Course Number(s): 05157G1011
Open to: 11, 12
Credit & Type: 1 Humanities (HUM)
Prerequisite: Successful completion of Art 2 (Drawing/Painting A & B) and Instructor Recommendation

Content:  This course includes a variety of upper-level projects using a wide range of materials. It includes opportunities for independent study.


Advanced Ceramics

Course Number(s): 05159G1021
Open to: 11, 12
Credit & Type: 1 Humanities (HUM)
Prerequisite: Successful completion of Ceramics I and II

Content:  This course includes a variety of upper-level projects using a wide range of materials with clay. It includes opportunities for independent study. This course may be taken multiple times.


Ceramics I

Course Number(s): 05159G1011
Open to: 10, 11, 12
Credit & Type: 1 Humanities (HUM)
Prerequisite: Successful completion of Art 1 (Design and Drawing)

Content:  This course explores various design elements and principles regarding three-dimensional projects. Materials explored include clay and glaze. Students will be introduced to three-dimensional art from ancient to modern times. Careers in ceramics and ceramics related fields are introduced.



Ceramics II

Course Number(s): 05159G1031
Open to: 10, 11, 12
Credit & Type: 1 Humanities (HUM)
Prerequisite: Successful completion of Ceramics I

Content:  This course will continue to develop and apply ceramics skills introduced in Ceramics I. Advanced techniques in construction, throwing, hand-building and decoration of three-dimensional projects will be introduced. As the course continues, students will complete more difficult and complex projects. Careers in ceramics and ceramics related fields are introduced.

Introduction to College Art (BSU – ART 100 – 3 credits)

Course Number(s): 05152C1021
Open to: 11, 12
Credit & Type: 1 Humanities (HUM, Elective)
Prerequisite: None

Content:   The purpose of this course is to acquaint the student with the many and varied avenues humanity has used to express itself through the visual arts. A combination of art history, art criticism, and personal art production will bring a balanced approach to art appreciation. The student will learn the vocabulary specific to the visual arts, be able to identify art styles, and explore various media used in visual expression. The course is designed to prepare students to recognize and appreciate the many forms of art in the Western culture as well as establish a solid foundation on which to build personal art preferences.

IB World Arts and Cultures SL I A & B

Course Number(s): 04253H1031, 04253H1032
 Open to: 11
 Credit & Type: 2 Humanities (HUM, Elective)
 Prerequisite: None



Content: WAC is the study of art objects and other cultural phenomena (advertising, carpets, ceramics, literature, fold music, cinema, pop videos) as a means of exploring aspects of cultural identity. WAC uses a case study methodology the subject of which is an art object or other cultural phenomenon. This case study methodology involves a three-stage process of investigation:

1. Look, think, and ask questions.
2. Research, thinking, questions.
3. Discoveries about the nature of cultural identity.

IB World Arts and Cultures SL II A & B

Course Number(s): 04253H1041, 04253H1042
 Open to: 12
 Credit & Type: 2 Humanities (HUM, Elective)
 Prerequisite: IB World Arts and Cultures I A & B



Content: WAC is the study of art objects and other cultural phenomena (advertising, carpets, ceramics, literature, fold music, cinema, pop videos) as a means of exploring aspects of cultural identity. WAC uses a case study methodology the subject of which is an art object or other cultural phenomenon. This case study methodology involves a three-stage process of investigation:

1. Look, think, and ask questions.
2. Research, thinking, questions.
3. Discoveries about the nature of cultural identity.

IB Visual Arts HL I A & B

Course Number(s): 05173E1021, 05173E1022
 Open to: 11
 Credit & Type: 2 Humanities (HUM)
 Prerequisite: Recommended successful completion of Art 1 (Design and Drawing)

Content:



The IB Diploma Program Visual Arts HL course is intended to be a thought-provoking course in which students develop analytical skills in visual problem-solving and creative thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts/artists from different perspectives and in different contexts, students are expected to engage in, experiment with, and critically reflect upon their personal art practices including their content, technique, and media skill. Through this course students should learn about arts from a variety of cultural contexts, as well as the importance of making their own practical work with integrity, informed by theory and research, with an awareness of the impact of their ideas and work may have on the world. **This course will be graded on a 5-point scale.**

The IB Visual Arts HL course has three assessment components:

- 20% - Comparative study (a critical and contextual investigation of other artist's work)
- 40% - Process Portfolio (the art-making process you engage in as you develop your finished artwork)
- 40% - Exhibition (A public showing of 8-11 original works of art with descriptions supported by a written curatorial ration)

IB Visual Arts HL II A & B

Course Number(s): 05173E1031, 05173E1032

Open to: 11

Credit & Type: 2 Humanities (HUM)

Prerequisite: IB Visual Arts HL I A & B

Content:



The IB Diploma Program Visual Arts HL course is intended to be a thought-provoking course in which students develop analytical skills in visual problem-solving and creative thinking, while working towards technical proficiency and confidence as art-makers. In addition to exploring and comparing visual arts/artists from different perspectives and in different contexts, students are expected to engage in, experiment with, and critically reflect upon their personal art practices including their content, technique, and media skill. Through this course students should learn about arts from a variety of cultural contexts, as well as the importance of making their own practical work with integrity, informed by theory and research, with an awareness of the impact of their ideas and work may have on the world. **This course will be graded on a 5-point scale.**


The IB Visual Arts HL course has three assessment components:

- 20% - Comparative study (a critical and contextual investigation of other artist's work)
- 40% - Process Portfolio (the art-making process you engage in as you develop your finished artwork)
- 40% - Exhibition (A public showing of 8-11 original works of art with descriptions supported by a written curatorial ration)

World Language


Mandarin I A & B

Course Number(s): 06401G1011, 06401G1012
 Open to: 9, 10, 11, 12
 Credit & Type: 2 Humanities (HUM)
 Prerequisite: None

Content:  This class introduces students to basic Mandarin Chinese through conversation, vocabulary, writing skills, history, and culture. This class will be offered based on enrollment and availability of instructor. ***This course is an approved NCAA course.***


Mandarin II A & B (BSU – CHINESE 101 – 4 credits)

Course Number(s): 06401G1021, 06401G1022
 Open to: 10, 11, 12
 Credit & Type: 2 Humanities (HUM)
 Prerequisite: Successful completion of Mandarin I A & B

Content:  This class will continue to introduce and reinforce Mandarin Chinese building on year one skills and concepts. Conversation, vocabulary, writing skills, history and culture will be emphasized. ***This course is an approved NCAA course.***


Mandarin III A & B (BSU – CHINESE 102 – 4 credits)

Course Number(s): 06401G1031, 06401G1032
 Open to: 11, 12
 Credit & Type: 2 Humanities (HUM)
 Prerequisite: Successful completion of Mandarin II A & B

Content:  This course emphasizes Mandarin conversation, vocabulary, advanced grammar, reading, writing, history and culture. ***This course is an approved NCAA course.***

IB Mandarin Ab Initio I A & B

Course Number(s): 06401G1041, 06401G1042
 Open to: 11
 Credit & Type: 2 Humanities (HUM)
 Prerequisite: Successful completion of Mandarin II A & B

Content:  Ab initio courses assume little or no previous exposure to the language of study. Students in IB Mandarin ab initio develop their language skills within the context of basic communication needs. The course embeds the four skills of reading, writing, listening, and speaking with an emphasis on daily language use. Students will acquire vocabulary and elements of language (including a wide range of verb tenses), and they will be able to recognize, understand, and use these grammatical structures in increasingly complex situations. Students will conduct class in Mandarin, read and write both formally and informally, discuss, debate, and present orally, and engage in critical listening exercises at a beginning level. Additionally, students will develop and apply critical thinking skills to understand the historical, geographical, and cultural contexts of the target language. Students will be assessed using the IB ab initio rubrics throughout the two-year course. Students will participate in and submit all elements of IB assessment in the second year of the course. ***This course is an approved NCAA course.***

IB Mandarin Ab Initio II C & D

Course Number(s): 06401G1043, 06401G1044
 Open to: 12
 Credit & Type: 2 Humanities (HUM)
 Prerequisite: Successful completion of IB Mandarin Ab Initio I A & B



Content: Ab initio courses assume little or no previous exposure to the language of study. Students in IB Mandarin ab initio develop their language skills within the context of basic communication needs. The course embeds the four skills of reading, writing, listening, and speaking with an emphasis on daily language use. Students will acquire vocabulary and elements of language (including a wide range of verb tenses), and they will be able to recognize, understand, and use these grammatical structures in increasingly complex situations. Students will conduct class in Mandarin, read and write both formally and informally, discuss, debate, and present orally, and engage in critical listening exercises at a beginning level. Additionally, students will develop and apply critical thinking skills to understand the historical, geographical, and cultural contexts of the target language. Students will be assessed using the IB ab initio rubrics throughout the two-year course. Students will participate in and submit all elements of IB assessment in the second year of the course. ***This course is an approved NCAA course.***

Spanish I A & B

Course Number(s): 06101G1011, 06101G1012
 Open to: 9, 10, 11, 12
 Credit & Type: 2 Humanities (HUM)
 Prerequisite: None



Content: This class introduces the student to basic Spanish conversation, vocabulary, grammar, history, and culture. Conversation in Spanish is encouraged. Frequent homework is required. ***This course is an approved NCAA course.***

Spanish II A & B

Course Number(s): 06102G1011, 06102G1012
 Open to: 9, 10, 11, 12
 Credit & Type: 2 Humanities (HUM)
 Prerequisite: Successful completion of Spanish I A & B



Content: This class emphasizes Spanish conversation, vocabulary, structure, reading, writing, culture, and history. Conversation in Spanish is encouraged. Frequent homework is required. ***This course is an approved NCAA course.***

Spanish III A & B (NNU – SPANISH 1010 – 4 credits & SPANISH 1020 – 4 credits)

Course Number(s): 06103G1011, 06103G1012
 Open to: 9, 10, 11, 12
 Credit & Type: 2 Humanities (HUM)
 Prerequisite: Successful completion of Spanish II A & B



Content: This class involves an extensive review of all basic grammar and introduces remaining verb tenses. Reading, writing, and speaking skills are heavily stressed. The culture of Spanish speaking nations is explored in greater depth. Frequent homework is required. ***This course is an approved NCAA course.***

Spanish IV A & B (NNU – SPANISH 2010 – 4 credits & SPANISH 2020 – 4 credits)

Course Number(s): 06104G1011, 06104G1012
 Open to: 10, 11, 12
 Credit & Type: 2 Humanities (HUM)
 Prerequisite: Successful completion of Spanish III A & B



Content: This class emphasizes reading, writing, and speaking. Students are expected to work extensively on their own. Novels and other Spanish literature prepare students for advanced placement in college courses. Frequent homework is required. If the university's grading expectations for this course are different than those of West Ada, the instructor must maintain two separate grade books. ***This is an approved NCAA course.***

IB Spanish Ab Initio I A & B

Course Number(s) 06111G1021, 06111G1022
 Open to: 11
 Credit & Type: 2 Humanities (HUM)



Content: Ab initio courses assume little or no previous exposure to the language of study. Students in IB Spanish ab initio develop their language skills within the context of basic communication needs. The course embeds the four skills of reading, writing, listening, and speaking with an emphasis on daily language use. Students will acquire vocabulary and elements of language (including a wide range of verb tenses), and they will be able to recognize, understand, and use these grammatical structures in increasingly complex situations. Students will conduct class in Spanish, read and write both formally and informally, discuss, debate, and present orally, and engage in critical listening exercises at a beginning level. Additionally, students will develop and apply critical thinking skills to understand the historical, geographical, and cultural contexts of the target language. Students will be assessed using the IB ab initio written and oral rubrics throughout the two-year course. Students will participate in and submit all elements of IB assessment in the second year of the course. ***This course is an approved NCAA course.***

IB Spanish Ab Initio II C & D

Course Number(s): 06111G1023, 06111G1024
 Open to: 12
 Credit & Type: 2 Humanities (HUM)



Content: Ab initio courses assume little or no previous exposure to the language of study. Students in IB Spanish ab initio develop their language skills within the context of basic communication needs. The course embeds the four skills of reading, writing, listening, and speaking with an emphasis on daily language use. Students will acquire vocabulary and elements of language (including a wide range of verb tenses), and they will be able to recognize, understand, and use these grammatical structures in increasingly complex situations. Students will conduct class in Spanish, read and write both formally and informally, discuss, debate, and present orally, and engage in critical listening exercises at a beginning level. Additionally, students will develop and apply critical thinking skills to understand the historical, geographical, and cultural contexts of the target language. Students will be assessed using the IB ab initio rubrics throughout the two-year course. Students will participate in and submit all elements of IB assessment in the second year of the course. ***This course is an approved NCAA course.***

IB Spanish B SL I A & B

Course Number(s): 06111E1011, 06111E1012
Open to: 11
Credit & Type: 2 Humanities (HUM)
Prerequisite: Spanish I A & B and II A & B



IB SL courses assume at least two years of prior study in the target language. Students in IB Spanish B SL will further develop their abilities to comprehend and communicate in Spanish through reading, writing, listening, and speaking. Students will continue to acquire vocabulary and elements of language (including a wide range of verb tenses), and they will be able to recognize, understand, and use these grammatical structures in increasingly complex situations. Students will conduct class in Spanish, write both formally and informally, discuss, debate, and present orally, and engage in critical listening exercises at an intermediate to advanced level. Additionally, students will further develop and apply critical thinking skills to understand the historical, geographical, and cultural contexts of the target language. Students will be assessed using the IB B SL written and oral rubrics throughout the two-year course. Students will participate in and submit all elements of IB assessment in the second year of the course. ***This course is an approved NCAA course.***

IB Spanish B SL II A & B

Course Number(s): 06111H1021, 06111H1022
Open to: 12
Credit & Type: 2 Humanities (HUM)
Prerequisite: IB Spanish B SL I A & B



B SL courses assume at least two years of prior study in the target language. Students in IB Spanish B SL will further develop their abilities to comprehend and communicate in Spanish through reading, writing, listening, and speaking. Students will continue to acquire vocabulary and elements of language (including a wide range of verb tenses), and they will be able to recognize, understand, and use these grammatical structures in increasingly complex situations. Students will conduct class in Spanish, write both formally and informally, discuss, debate, and present orally, and engage in critical listening exercises at an intermediate to advanced level. Additionally, students will further develop and apply critical thinking skills to understand the historical, geographical, and cultural contexts of the target language. Students will be assessed using the IB B SL written and oral rubrics throughout the two-year course. Students will participate in and submit all elements of IB assessment in the second year of the course. ***This course is an approved NCAA course.***

CTE Non-Discrimination Notice



West Ada
SCHOOL DISTRICT



Public Notification of Non-Discrimination in Career and Technology Education Programs

The West Ada School District, Joint School District #2 offers career and technical education programs in Accounting, Animal Science, Auto Technology, Broadcasting Technology, Business Management, Certified Nursing Assistant, Collision Repair, Construction, Culinary Arts, Diesel Technology, Early Childhood Education, Education Assistant, EMT, Fire Services, Graphic Communications, Law Enforcement, Plant Sciences, Pharmacy Technician, Digital Photography, Pre-Engineering, Programming, Small Gas Engines, Sports Medicine, Web Design, and Welding. Admission to these programs is based on interest and aptitude, age appropriateness and class space availability.

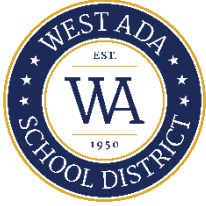
It is the policy of the West Ada School District, Joint School District #2 not to discriminate on the basis of race, color, national origin, sex or disability in its career technical education programs, services or activities as required by Title VI of the Civil Rights Act of 1964, as amended; Title IX of the Education Amendments of 1972; and Section 504 of the Rehabilitation Act of 1973, as amended.

The West Ada School District, Joint School District #2 will take steps to assure that lack of English language skills will not be a barrier to admission and participation in all educational and career-technical education programs.

In case of questions concerning the District's Non-Discrimination Policy, or in the event of a desire to file a complaint alleging violations of the above, please contact:

*West Ada School District, Joint School District #2
District Services Center
Dave Roberts, Civil Rights Compliance Officer
1303 East Central Drive
Meridian, ID 83642*

*Telephone Number: 208-855-4500
Email: roberts.dave@westada.org*



2022-2023

Career & Technical Education (CTE) Magnet Programs

Career & Technical Education (CTE) magnet programs are designed to serve students attending multiple high school attendance zones. Students travel to and from their home high school, for a half day, to one of three CTE centers to take these classes. CTE program classes offer students applied learning opportunities that align to in-demand job workplace skills. They are high-end sequenced, career-training classes. Coursework is designed to prepare students for employment certification exams, a seamless transition to postsecondary technical colleges, or industry skills applicable to employment readiness. Some of the essential components of establishing a CTE program is to maintain an active industry advisory board, provide state-of-art equipment and curriculum that meets industry standards, and to promote CTE student organizations, which provide students with opportunities to develop leadership skills as well as competition opportunities to showcase their CTE skills. To learn more about program options and CTE student shuttles, visit <https://www.westada.org/o/wasd/page/west-ada-transit-sytem-wats>.

CTE Center- Centennial Campus

12400 W. McMillan, Boise, ID 83713

Education Assistant Magnet

- Education Assistant

CTE Center – Meridian Campus

1900 West Pine Avenue, Meridian, ID 83642

Agriculture, Welding/Fabrication/Mechanical & Plant Sciences Magnet

- Animal Science
- Ornamental Horticulture
- Welding/Fabrication
- Small Gasoline Engines

Automotive Services Magnet

- Automotive Technology
- Collision Repair
- Diesel Technology

Early Childhood Education Magnet

- Early Childhood Education

CTE Center – Renaissance Campus

1307 E. Central Drive, Meridian, ID 83642

Computer Science Magnet

- Programming
- Web Design

Construction Trades Magnet

- Construction Trades

Culinary Arts Magnet

- Advanced Culinary Arts

Health Sciences Magnet

- Certified Nursing Assistant
- Pharmacy Technician
- Emergency Medical Technician (EMT)

Police, Fire & Emergency Services Magnet

- Law Enforcement, Detention & Corrections
- Fire Services & Emergency Services

Pre-Engineering Magnet

- Computer Integrated Manufacturing
- Digital Electronics
- Civil Engineering & Architecture
- Aerospace Engineering
- Engineering Design & Development

Programs aligned to SkillStack® badging, giving students the option to earn Technical Competency Credits. Information is disseminated through the classroom instructor.



BACK TO TOP

Lotteries

What is the purpose of a lottery?

The purpose of the lottery is to provide an equitable system for selecting students for the limited available seats. If more students apply than seats are available in a CTE Magnet Program class, then students will be selected by random lottery.

When will the lotteries be held?

- The lottery will be conducted prior to the start of the school year.

What is the lottery process?

1. Each school will be given an allotment of seats for each program class based on Spring Registration requests.
2. A computer-based random number generator will be used to select numbers to fill each seat. Numbers and the student names assigned to them, are then noted on a spreadsheet. Once all allotted seats are filled, the process continues to establish a wait list.
3. Results will be reflected on students' class schedules which, will be available online in August.
4. If a seat becomes available, the option to fill the seat is offered to the first student on the Wait List and so on, until the seat is filled.

Fast Forward Program

(Funded by Idaho State Legislature)

The Fast Forward Program provides a total of **\$4,125 per student** to be used throughout grades 7 - 12. Funds can be applied to any of the following: Concurrent Credit classes, Advanced Placement exams, International Baccalaureate exams, qualifying Career Technical Education exams, or overload courses. Instructions on how to access Fast Forward funds will be provided to students by their instructor, as registration dates approach for classes and exams. For more information, please visit the [West Ada School District Fast Forward program website](#).

CTE Shuttle Bus Information

Will there be busing for my traveling CTE class?

In general, busing is available to and from CTE centers in the mornings and afternoons on both A and B days from each zoned home high school. Some traveling CTE classes require an externship or internship. If so, students will need to provide your own transportation. The "car icon" denotes which classes require self-transport.

How do I find the bus schedule?

Once students receive their class schedules, busing information will be available on the [West Ada School District transportation](#) and select [WATS](#).



CTE Center – Renaissance Campus

1307 E. Central Drive
Meridian, ID 83642
(208) 350-5051

Computer Science Magnet

- Programming
- Web Design

Construction Magnet

- Construction Trades Pathway

Culinary Arts Magnet

- Culinary Arts Pathway
(American Culinary Federation Certified)

Health Sciences Magnet

- Certified Nursing Assistant (CNA) Pathway
- Emergency Medical Technician (EMT) Pathway
 - Pharmacy Technician Pathway

Police, Fire & Emergency Services Magnet

- Law Enforcement, Detention & Corrections Pathway
- Fire Services & Emergency Services Pathway

Pre-Engineering Magnet

- Pre-Engineering Pathway
(Project Lead the Way Certified)

For more information about this Career & Technical Education (CTE) center, please visit the [Career & Technical Education](#) site.

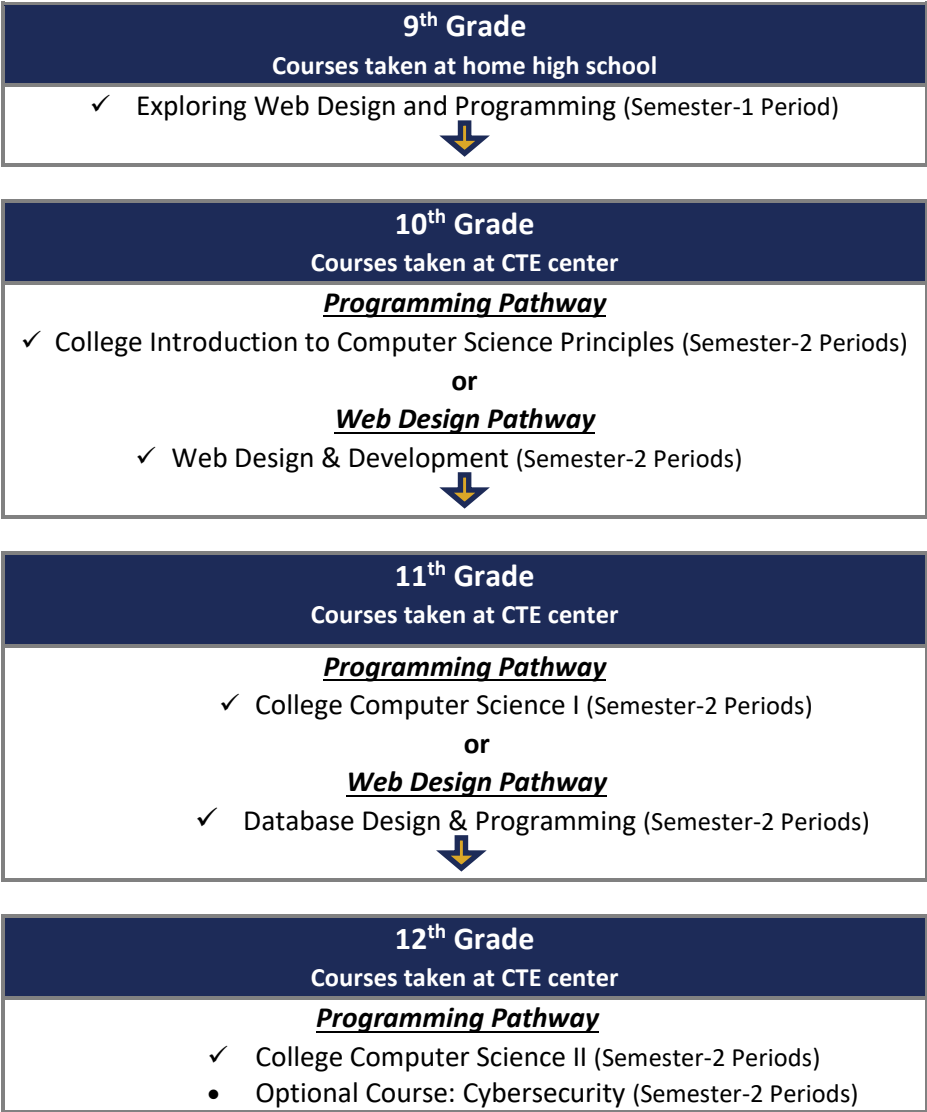
Computer Sciences Magnet

CTE Center - Renaissance Campus

The Programming and Web Design Magnet Program, located at the CTE Center - Renaissance Campus, is open to all students in the West Ada School District. This magnet program prepares students for careers in computer science in areas such as programming, web design, and cybersecurity.

Recommended Course Sequence

- ✓ Required Class
- Recommended Course



Computer Sciences: Programming & Web Design Course Descriptions

Exploring Web Design & Programming

Course Number(s):	10012T1011
Open to:	9, 10
Credit & Type:	1 Elective (ELECT) (1 period, 1 semester)
Prerequisite:	None
Content:	This course introduces students to computer programming and web development. Students will learn to accomplish simple tasks with the Python programming language. Students will also create basic web pages with HTML and CSS, including a personal website suitable to publish on the internet.

Web Design & Development - CTE Center - Renaissance Campus

Course Number(s):	10201T2010
Open to:	10, 11, 12
Credit & Type:	2 Elective (ELECT) (1 semester, 2 periods)
Prerequisite:	Successful completion of Exploring Web Design & Programming
Content:	Web Design & Development is a project-based course that builds on the web development skills learned in Exploring Computer Science. Students will learn more advanced techniques for building web pages with HTML and CSS, and to make sites more interesting and interactive with JavaScript. This course also includes a survey of modern web design techniques such as static sites and frameworks, as well as the basics of how to register a domain name and host your own site.

College Introduction to Computer Science Principles - CTE Center - Renaissance Campus

Course Number(s):	10157T2010
Open to:	10, 11
Credit & Type:	2 Science (SCI) or 2 Elective (ELECT) (1 semester, 2 periods)
Prerequisite:	Successful completion of Exploring Web Design & Programming
Content:	Introduction to the central ideas, practices, and impact of computer science and computational thinking. Covers the seven big ideas in computer science: creativity, abstraction, data and information, algorithms, programming, the internet, and global impact. Computational thinking practices: connecting computing, creating computational artifacts, abstracting, analyzing problems and artifacts, communicating, and collaborating. If the university's grading expectations for this course are different than those of West Ada, the instructor must maintain two separate grade books. This is an approved NCAA course.



College Computer Science I -- CTE Center - Renaissance Campus

Course Number(s):	10158T2010
Open to:	11, 12
Credit & Type:	2 Science (SCI) or 2 Elective (ELECT) (1 semester, 2 periods)
Prerequisite:	Successful completion of College Introduction to Computer Sciences Principles
Content:	Introduction to object-oriented problem solving and programming. Software development process. Data and expression, conditionals and loops, arrays and lists, and classes and interfaces. Introduction to graphical user interfaces (GUIs). Guided, in-class programming activities and targeted projects to teach problem solving and software development skills. If the university's grading expectations for this course are different than those of West Ada, the instructor must maintain two separate grade books. This is an approved NCAA course.



Database Design & Programming - CTE Center - Renaissance Campus

Course Number(s): 10201T2020
Open to: 11, 12
Credit & Type: 2 Elective (ELECT) (1 semester, 2 periods)
Prerequisite: Successful completion of Web Design & Development
Content: In this course students will learn how databases work, how to query existing databases with SQL, and how to build and optimize their own databases in a T-SQL compliant Relational Database Management System (RDBMS) such as MySQL. Students will also learn how to write software to access a database and programmatically Create, Read, Update, and Delete the data.

College Computer Science II - CTE Center - Renaissance Campus

Course Number(s): 10152T2020
Open to: 12
Credit & Type: 2 Science (SCI) or 2 Elective (ELECT) (1 semester, 2 periods)
Prerequisite: Successful completion of College Computer Science I
Content: Object-oriented design including inheritance, polymorphism, and dynamic binding. Graphical user interfaces, and recursion. Introduction to program correctness and testing/analysis of time/space requirements. Basic data structures: lists, collections, stacks, and queues. Basic searching and sorting. If taken for concurrent credit, this course will require the instructor to keep two gradebooks, one which follows West Ada grading policy and building procedures, and another that follows the concurrent credit university's grading policy. **This is an approved NCAA course.**



Cybersecurity - CTE Center - Renaissance Campus

Course Number(s): 10201T2030
Open to: 11, 12
Credit & Type: 2 Elective (ELECT) (1 semester, 2 periods)
Prerequisite: Successful completion of Database Design & Programming or College Computer Science II
Content: In this course, students will delve into the ever-growing and far-reaching field of cybersecurity. Students will accomplish this through problem-based learning, where they will role-play and train as cybersecurity experts do. Cybersecurity gives students a broad exposure to the many aspects of digital and information security, while encouraging socially responsible choices and ethical behavior. It inspires algorithmic thinking, computational thinking, and especially “outside-the-box” thinking. Students explore the many educational and career paths available to cybersecurity experts, as well as other careers that comprise the field of information security.

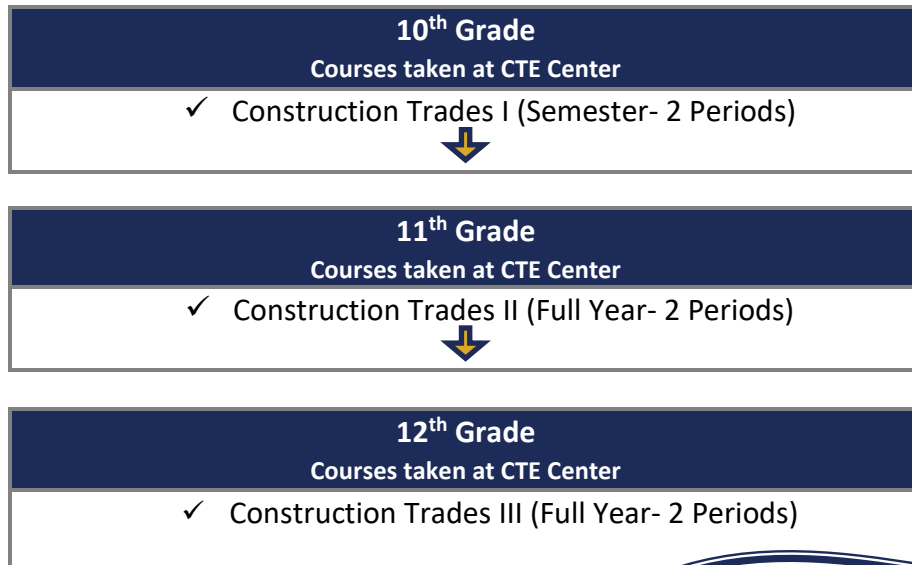
Construction Magnet

CTE Center - Renaissance Campus

The Construction Magnet Program, located at the CTE Center - Renaissance Campus, is open to all students in the West Ada School District. Coursework taken in the Construction Magnet leads to postsecondary programs and careers in designing, constructing, and maintaining the built environment.

Recommended Course Sequence

- ✓ Required Class
- Recommended Course



When level II and III classes are taught at construction sites, students may be expected to ride the CTE shuttles provided to and from class depending on site parking.

Construction Course Descriptions

Construction Trades I – CTE Center - Renaissance Campus

Course Number(s):	17003T2011
Open to:	10, 11, 12
Credit & Type:	2 Elective (ELECT) (1 semester, 2 periods)
Prerequisite:	None
Content:	This course is an introduction to the construction industry. Students will develop valuable skills through hands-on projects. They will be instructed in the proper and safe use of hand and power tools. They will be introduced to different types of building materials, blueprint reading and construction math. Student will participate in building structures that teach them introductory skills to help them advance in the construction program. Students are expected to wear proper clothing in the lab. Long pants and closed toe shoes or boots are required. Shorts are not allowed.

Construction Trades II A & B – Course offered at an off-campus construction site

Course Number(s):	17003T2021, 17003T2022
Open to:	11, 12
Credit & Type:	4 Elective (ELECT) (full year, 2 periods)
Prerequisite:	Successful completion of Construction Trades I A & B
Transportation:	Students may be expected to ride the CTE shuttles provided to and from class depending on site parking.
Content:	At the beginning of the course, students will be required to complete the 10-hour on-line OSHA training. Skills taught include framing of floor, walls and roof, installation of roofing materials, siding, windows, doors, drywall, cabinets, and painting. Students will engage in solving practical mathematic problems common to the carpentry trade. Leadership development will be provided through SkillsUSA. *Students are expected to wear proper clothing on construction sites. Long pants and closed toe shoes or boots are required. Shorts are not allowed.

Construction Trades III A & B - Course offered at an off-campus construction site

Course Number(s):	17003T2031, 17003T2032
Open to:	12
Credit & Type:	4 Elective (ELECT) (full year, 2 periods)
Prerequisite:	Successful completion of Construction Trades II A & B and successful completion of 10-hour on-line OSHA training course (this will be offered at the beginning of the course)
Transportation:	Students may be expected to ride the CTE shuttles provided to and from class depending on site parking.
Content:	This course presents students with the opportunity to further their construction knowledge on an active job site. Safety, terminology, materials, tools, processes, skills and construction technology are included in the content. Student will have the opportunity to participate in or observe most aspects of residential construction. Emphasis is placed on safety while developing construction knowledge and skills to prepare students for employment in the construction industry. Residential Construction III students will strengthen construction knowledge while getting an opportunity to oversee and coordinate projects. *Students are expected to wear proper clothing on construction sites. Long pants and closed toe shoes or boots are required. Shorts are not allowed.

Culinary Arts Magnet

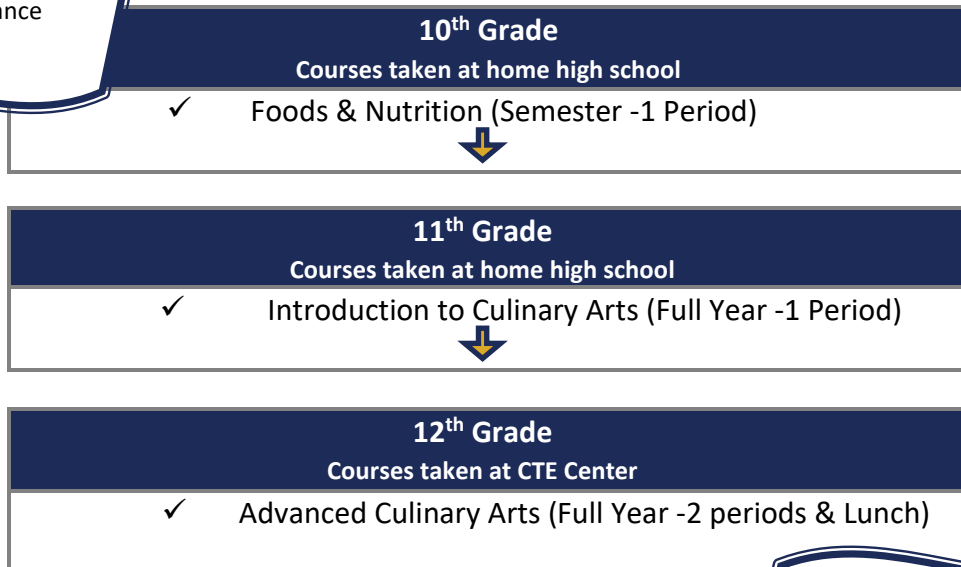
CTE Center - Renaissance Campus

The Culinary Arts Magnet, located at the CTE Center - Renaissance Campus, is open to 12th grade students who have completed prerequisite coursework in culinary arts at their home high schools. Students will be provided a guided, practical, in-house experience working at Café Renaissance, a student-run restaurant operation. Students in the program have the opportunity to attain a Ready Set Food Safe and the National Restaurant Association SERV Safe Certification.

CTE bus shuttles are provided to and from the Renaissance campus.

Recommended Course Sequence

- ✓ Required Class
- Recommended Course



This course is held during 2nd & 3rd period with a lunch break.

Culinary Arts Course Descriptions

Foods & Nutrition

Course Number(s):	22202T1011
Open to:	10, 11
Credit & Type:	1 Elective (ELECT) (1 period, 1 semester)
Prerequisite:	None
Content:	This course addresses nutrition, wellness, and personal lifestyle. Course content includes food safety and sanitation, food preparation techniques, meal management skills, nutrition, and career option in nutrition and related fields. This course provides students the opportunity to earn their Ready Set Food Safe Certification. FCCLA (Family, Career and Community Leaders of America) activities are an integral part of this course.

Introduction to Culinary Arts A & B

Course Number(s):	16055T1011, 16055T1012
Open to:	11, 12
Credit & Type:	2 Elective (ELECT) (1 period, 2 semesters)
Prerequisite:	Successful completion of Foods & Nutrition and Ready Set Food Safe Certification
Content:	This course is a foundation in professional food preparation with practical application in career opportunities, reinforced basic skills, food safety and sanitation, use of commercial equipment, industrial food preparation, business management, service techniques and employability skills. This course will be using an “introductory level” industry standard curriculum of food safety and sanitation from ServSafe to prepare students for the Idaho Food Safety Exam. FCCLA (Family, Career and Community Leaders of America) activities are an integral part of this course.

Advanced Culinary Arts A & B – CTE Center - Renaissance Campus

Course Number(s):	19998T2011, 19998T2012
Open to:	12
Credit & Type:	4 Elective (ELECT) (2 periods, 2 semesters) 2nd Period through 3rd Period; Lunch Break is included.
Prerequisite:	Successful completion of Intro to Culinary Arts A & B

Transportation:  **Students must provide their own transportation for the off-site training opportunities.**

Content: This course is a guided, practical, in-house experience working in the district’s student-run restaurant operations. Students will have the opportunity to develop skills and perform the duties required of personnel in food and beverage operations found within the restaurant industry. Second-level ServSafe curriculum is taught, and all students have the opportunity to take the ServSafe Certification Exam. Students will also have the opportunity to become certified by the American Culinary Federation (ACF) in either the Certified Fundamentals Cook (CFC) or Certified Fundamentals Pastry Cook (CFPC). FCCLA (Family, Career and Community Leaders of America) activities are an integral part of this course.

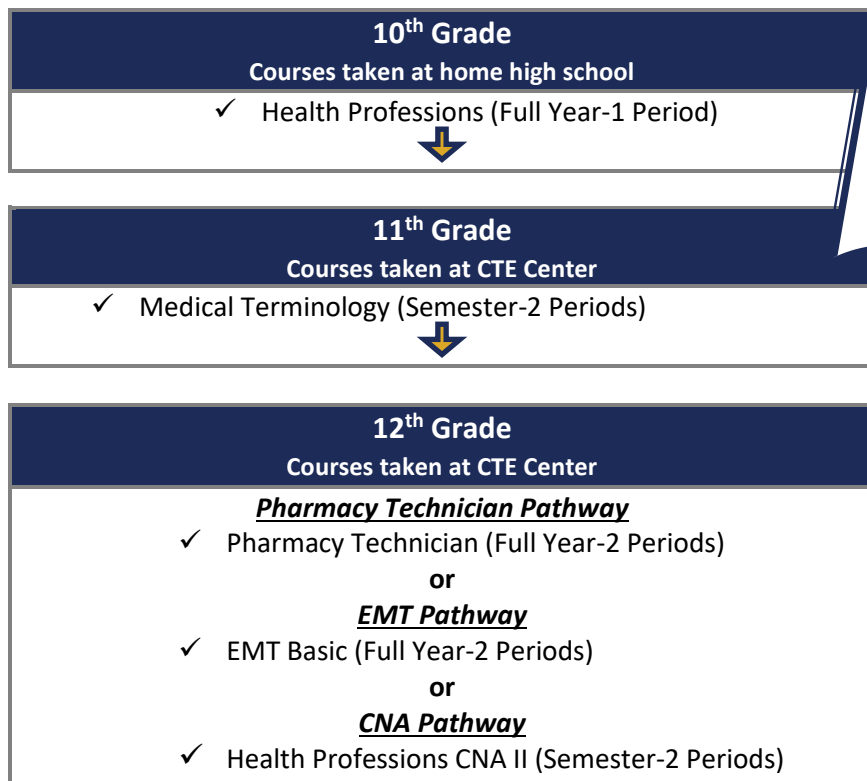
Health Science Magnet

CTE Center - Renaissance Campus

The Health Science Magnet, located at the CTE Center - Renaissance Campus, is a joint venture with the Idaho State University Meridian Health Science Center. Coursework leads to postsecondary training and careers in the Health Care Industry. Students will prepare for the Certified Nursing Assistant (CNA), Pharmacy Technician Certification Board (PTCB), and Emergency Medical Training (EMT) Basic Certifications.

Recommended Course Sequence

- ✓ Required Class
- Recommended Course



Course sequence includes options for Pharmacy Technician, EMT or CNA pathways.

Health Sciences Course Descriptions

Health Professions A & B

Course Number(s):	14001T1011, 14001T1012
Open to:	10, 11
Credit & Type:	2 Elective (1 ELECT & 1 HE)
Prerequisite:	None
Content:	This course is designed for students interested in the Health Careers Pathway or medical field. The course is also the prerequisite to the following upper-level courses: 1) Certified Nursing Assistant (CNA), 2) Emergency Medical Technician (EMT), 3) Pharmacy Technician, 4) Medical Terminology, 5) Sports Medicine II & III and 6) Physical Therapy Aide (PTA). Students will receive a robust overview of the following content areas: the health care industry, medical careers, first aid and CPR, medical terminology, anatomy and physiology, pathophysiology, and basic medical skills. This course meets district graduation requirements for health. (Concurrent credit may be available. (CSI ALLH-100))

Medical Terminology for Health Professions – CTE Center - Renaissance Campus

Course Number(s):	14154T2042
Open to:	11, 12
Credit & Type:	2 Elective (ELECT) (1 semester, 2 periods)
Prerequisite:	Successful completion of Health Professions A & B
Content:	This course presents a study of medical terminology. Prefixes, suffixes, word roots, combining forms, special endings, plural forms, abbreviations, and symbols are included in the content. All body systems, anatomical reference, pharmacology, and medical specialties will be considered. Emphasis is placed on spelling, definition, usage, and pronunciation. This course is required prior to enrolling in Certified Nursing Assistant or Pharmacy Technician and EMT Basic. If taken for concurrent credit, this course will require the instructor to keep two gradebooks, one which follows West Ada grading policy and building procedures, and another that follows the concurrent credit university's grading policy.



Pharmacy Technician A & B – CTE Center - Renaissance Campus

Course Number(s):	14197T2011, 14197T2012
Open to:	12
Credit & Type:	4 Elective (ELECT) (full year, 2 periods)
Prerequisite:	Successful completion of Health Professions A & B, Medical Terminology and HS Math II A & B. Chemistry is highly recommended. Students must qualify with the instructor to be placed in an externship. Students will be given alternate assignments if they do not qualify.



Transportation:	Students MUST provide transportation for externship at a local pharmacy.
Content:	This course represents the heart of the ADA-CTE Center's Health Science Pathway. It prepares the student for a career as a Certified Pharmacy Technician (CPhT). The program also provides exposure to requirements for the Doctor of Pharmacy degree and/or other Health Care careers.

The course utilizes a PTCB-Recognized Education/Training Program, Pass Assured Pharmacy Technician Training Module which prepares the student to sit for the Pharmacy Technician Certification Board's national PTCB Exam. The topics taught are: Medical Math/Terminology, Anatomy and Physiology, Disease States, and Pharmacology. Professionalism and Customer Service, as well as Medical Ethics and Pharmacy Law. Students gain practical lab skills through training at the ISU-Meridian Health Service Center's college facility and a state-of-the-art compounding lab. This is taught under the supervision of an ISU Pharmacy faculty member. An Externship occurs in the second semester under a preceptor pharmacist in a local pharmacy. **Students placed in an externship and/or planning to sit for the PTCB National Exam are responsible for the following:**


Externship Fees:

- Board of Pharmacy Technician-In-Training License (\$35) *exact price will be set by certifying agency.*
- Fingerprinting and Background Check (\$42.00) *exact price will be set by certifying agency.*

PTCB National Exam Fee: (\$129) *exact price will be set by certifying agency.*



Health Professions CNA II – CTE Center - Renaissance Campus

Course Number(s): 14051T2011
Open to: 12
Credit & Type: 2 Elective (ELECT) (1 semester, 2 periods)
Prerequisite: Successful completion of Health Professions A & B and Medical Terminology. **Students are required to meet the clinical regulations of the assigned clinical sites. This includes proof of Hepatitis B immunizations, flu shot, TB test, and a criminal background check.** For students who do not pass the background check, a parent meeting will be called, and an alternate placement will be determined.

Transportation:  Students **MUST** provide transportation for the clinical component of this course.
Content: This course is designed to prepare students for beginning employment as nursing assistants in long-term care facilities, hospitals, and other settings. Successful completion of the course qualifies the student to test for NATCEP (Nurse Aid Training Competency Evaluation Program) to obtain the Certified Nursing Assistant (CNA) certification. **(Students are responsible for the cost of this exam.)** Content includes medical terminology, basic anatomy and physiology, communication, infection control, growth and development, CPR, care of the patient, and assisting as a member of the health care team. Students are required to dress appropriately. Scrubs will be provided, and clean shoes are the responsibility of students. Students should be prepared to attend off-site clinical experiences and adjusted class times to meet the **state required 80 hours of class time and 40 hours of clinical time. Students who do not meet the hour requirements will not be eligible to take the NATCEP exam to certify. This course does not meet district graduation requirements for Health.**

EMT-Basic A & B – CTE Center - Renaissance Campus

Course Number(s): 14055T2011, 14055T2012
Open to: 12
Credit & Type: 4 Elective (ELECT) (full year, 2 periods)
Prerequisite: Successful completion of Medical Terminology and either Fire Services I A & B **or** Health Professions A & B. **Please note: Fire students need to refer to the suggested course sequence chart that shows the two EMT magnet options.**

Transportation:  Students **MUST** provide their own transportation when participating in off-campus activities.
Content:  This course is an introduction to pre-hospital care at the basic life support level. This is the entry level for working on an ambulance. If student meets course requirements at the conclusion of the course, they will be eligible to take the NREMT exam. This includes a comprehensive written and skills exam. Students should be prepared to participate in class lecture, discussions, and hands-on skills. Physical requirements include the ability to lift, move, bend, and kneel. The course covers a wide variety of traumatic injuries and medical problems that may be encountered in the pre-hospital environment. Students will receive *BLS CPR* at the beginning of the course. If taken for concurrent credit, this course will require the instructor to keep two gradebooks, one which follows West Ada grading policy and building procedures, and another that follows the concurrent credit university's grading policy. **Students who OPT to participate in either EMT ride along and/or EMT clinical experiences will need to provide proof of immunizations and health insurance. These are optional activities.**

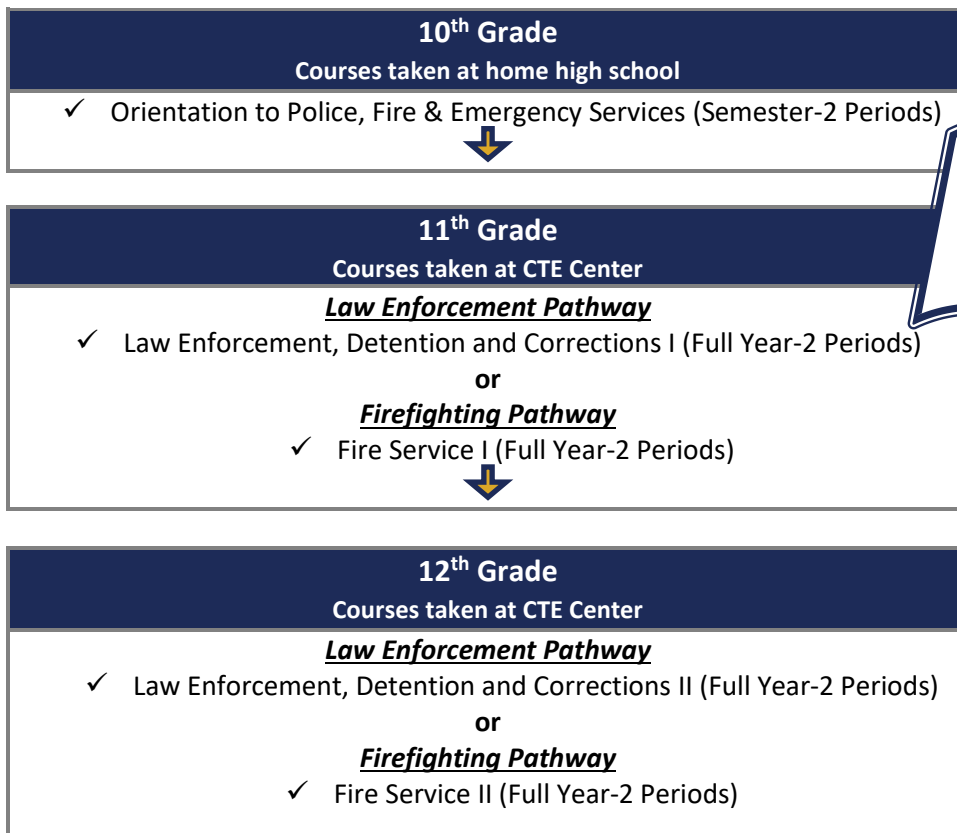
Police and Fire Services Magnet

CTE Center - Renaissance Campus

The Police, Fire & Emergency Services Magnet, located at the CTE Center - Renaissance Campus, prepares students for careers in law enforcement, detention, corrections, and firefighting. Students who have selected the Fire Service Pathway have the option to also pursue emergency medical training (EMT). Please note fire students have two options to select from when incorporating the EMT pathway. Those two options are identified on the Fire Services EMT Magnet Options on the following page.

Recommended Course Sequence

✓ Required class



Course sequence includes options for Law Enforcement & Firefighting pathways.

Fire Services EMT Magnet

CTE Center - Renaissance Campus

For students who plan to pursue firefighting as a career, it is highly recommended to take the EMT Basic course concurrently with Fire Services II during the 12th grade year. The *Fire Services EMT Magnet* has two options students may select from. Both options facilitate students completing the EMT certification.

- **Option 1:** Technical-College Credit EMT Option allows students to earn concurrent credit by completing all the courses listed below.
- **Option 2:** Non-Technical College Credit EMT Option does not offer concurrent credit to students.

Recommended Course Sequence

✓ Required Class

Technical-College Credit EMT (Option 1)

10th Grade
Courses taken at CTE Center
<ul style="list-style-type: none"> ✓ Health Professions A & B (Full Year-1 Period) <i>(Course taken at home high school)</i> ✓ Orientation to Police, Fire & Emergency Services (Semester-2 Periods) <i>(Course taken at CTE Center)</i>
11th Grade
Courses taken at CTE Center
<ul style="list-style-type: none"> ✓ Medical Terminology (Semester-2 Periods) ✓ Fire Service I (Full Year-2 Periods)
12th Grade
Courses taken at CTE Center
<ul style="list-style-type: none"> ✓ EMT Basic (Full Year-2 Periods) ✓ Fire Services II (Full Year-2 Periods)

Non-Technical College Credit EMT (Option 2)

10th Grade
Courses taken at home high school
<ul style="list-style-type: none"> ✓ Orientation to Police, Fire & Emergency Services (Semester-2 Periods)
11th Grade
Courses taken at CTE Center
<ul style="list-style-type: none"> ✓ Fire Service I (Full Year-2 Periods)
12th Grade
Courses taken at CTE Center
<ul style="list-style-type: none"> ✓ EMT Basic (Full Year-2 Periods) ✓ Fire Services II (Full Year-2 Periods)

Police, Fire and Emergency Services Course Descriptions

Orientation to Police, Fire & Emergency Services – CTE Center - Renaissance Campus

Course Number(s): 15001T2011
 Open to: 10, (11th graders will be eligible if room is available in classes.)
 Credit & Type: 2 Elective (ELECT) (1 semester, 2 periods)
 Prerequisite: None
 Content: Fitness readiness is a requirement of this course. Course work topics include Ethics and Professionalism, Introduction to Report Writing, Introduction to Criminal Justice, Introduction to Law Enforcement, Fire Fighting, Introduction to Emergency Medical Services, First Aid, CPR Training, and the National Incident Management System (NIMS). This program is designed to simulate recruit academies for the Law Enforcement and Fire Service. Students will be held to a professional standard that includes ethical decision making, respect, and self-discipline. During simulated drills, students will learn how to react to stressful situations as if they were on-scene of an incident.

Law Enforcement, Detention & Corrections I A & B – CTE Center - Renaissance Campus

Course Number(s): 15051T2011, 15051T2012
 Open to: 11, 12
 Credit & Type: 4 Elective (ELECT) (full year, 2 periods)
 Prerequisite: Successful completion of Orientation to Police, Fire & Emergency Services

Transportation:



Students must provide their own transportation for the off-site training opportunities.

Content:



This course goes into more depth in law enforcement, detention, and corrections. Students will be introduced to the various laws, self-defense, collision investigation, homeland security, emergency water safety, drill, and ceremony. Students will participate in field trips, outside of class practicum experiences, and complete a junior-level project. This program is designed to simulate recruit academies for the Law Enforcement. Students will be held to a professional standard that includes ethical decision making, respect, and self-discipline. During simulated drills, students will learn how to react to stressful situations as if they were on-scene of an incident. If taken for concurrent credit, this course will require the instructor to keep two gradebooks, one which follows West Ada grading policy and building procedures, and another that follows the concurrent credit university's grading policy.

Law Enforcement, Detention & Corrections II A & B – CTE Center - Renaissance Campus

Course Number(s): 15099T2011, 15099T2012
 Open to: 12
 Credit & Type: 4 Elective (ELECT) (full year, 2 periods)
 Prerequisite: Successful completion of Law Enforcement, Detention and Corrections I A & B

Transportation:



Students must provide their own transportation for the off-site training opportunities.


Content:



This course covers the following topics: Practical Procedures, Applied Law, Detention Procedures, Investigative Procedures, Human Relations and Communications, Fitness Readiness, Advanced Practicum and Report Writing. Students will be required to maintain a fitness log and complete a senior-level project. This program is designed to simulate recruit academies for the Law Enforcement. Students will be held to a professional standard that includes ethical decision making, respect, and self-discipline. During simulated drills, students will learn how to react to stressful situations as if they were on-scene of an incident. If taken for concurrent credit, this course will require the instructor to keep two gradebooks, one which follows West Ada grading policy and building procedures, and another that follows the concurrent credit university's grading policy.

Fire Service I A & B – CTE Center - Renaissance Campus

Course Number(s): 15199T2011, 15199T2012
Open to: 11, 12
Credit & Type: 4 Elective (ELECT) (full year, 2 periods)
Prerequisite: Successful completion of Orientation to Police, Fire & Emergency Services

Transportation: 

Students must provide their own transportation for the off-site training opportunities.

Content:

This course will cover many of the skills required for entry-level firefighters (both career and volunteer) as well as other occupations within the Fire Service. Students will train using real fire gear (bunker pants, jacket, gloves, hoods, SCBAs, etc.) using the National Fire Protection Agency guidelines. Students will also explore various career opportunities within the Fire Service, practice job applications skills, fitness preparedness, and first aid training. Topics included: Health & Safety, Personal Protective Equipment, Fire Behavior, Building Construction, Portable Extinguishers, Ropes & Knots, Forcible Entry, Ventilation, Water Supply, Fire Controls, Alarms, Loss Control, Protecting Evidence, Fire Department Communications, Prevention & Public Education, and Hazardous Materials. Students will participate in field trips, outside of class practicum experiences and complete a junior level project. This program is designed to simulate recruit academies for Fire Service. Students will be held to a professional standard that includes ethical decision making, respect, and self-discipline. During simulated drills, students will learn how to react to stressful situations as if they were on-scene of an incident. If taken for concurrent credit, this course will require the instructor to keep two gradebooks, one which follows West Ada grading policy and building procedures, and another that follows the concurrent credit university's grading policy.

**Fire Service II A & B – CTE Center - Renaissance Campus**

Course Number(s): 15199T2021, 15199T2022
Open to: 12
Credit & Type: 4 Elective (ELECT) (full year, 2 periods)
Prerequisite: Successful completion of Fire Service I A & B

Transportation: 

Students must provide their own transportation for the off-site training opportunities.

Content:

This course will develop skills needed and required for students planning to begin a career in the Fire Service. Students will continue developing the knowledge base and soft skills required for a successful career in the Fire Service and explore and develop fire service administration skills and competencies. Given the opportunity, students will complete an outside of class externship with a local fire service agency (approved by instructor) and prepare for and teach sections of the Fire Service I A & B course in cooperation with instructor. Students will complete multiple senior level projects. This program is designed to simulate recruit academies for Fire Service. Students will be held to a professional standard that includes ethical decision making, respect, and self-discipline. During simulated drills, students will learn how to react to stressful situations as if they were on-scene of an incident. If taken for concurrent credit, this course will require the instructor to keep two gradebooks, one which follows West Ada grading policy and building procedures, and another that follows the concurrent credit university's grading policy.





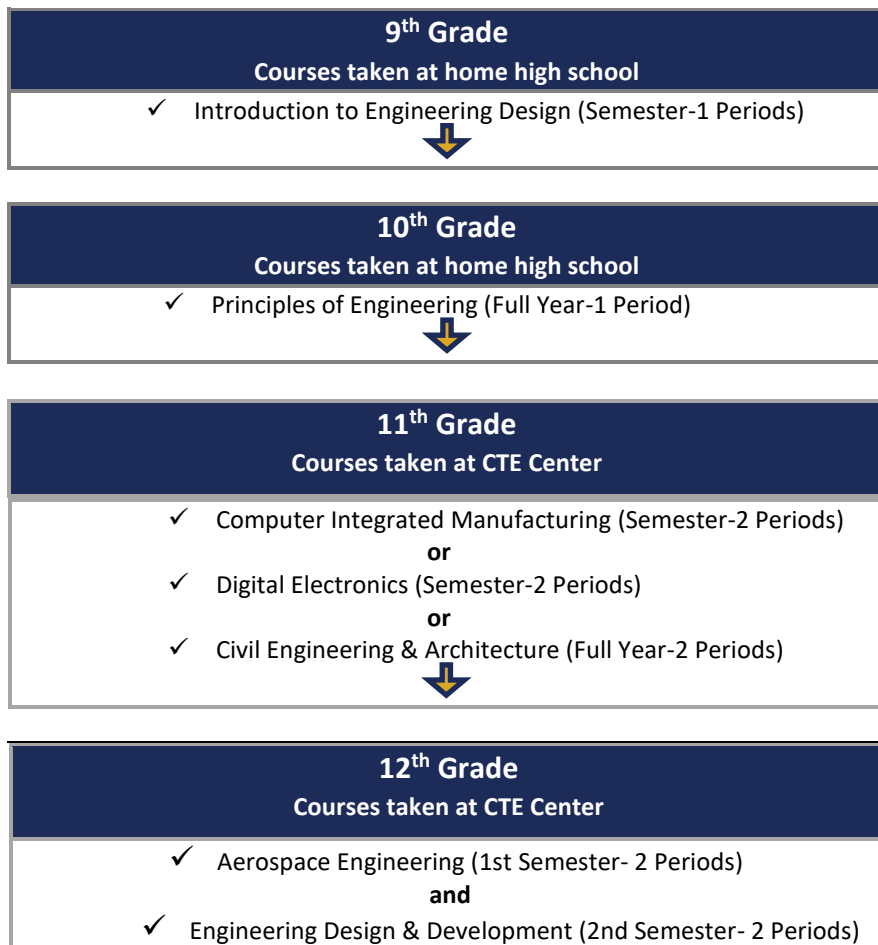
Pre-Engineering Magnet

CTE Center - Renaissance Campus

The Pre-Engineering Magnet, located at the CTE Center - Renaissance Campus, is a Project Lead the Way® National Certified School that prepares students for careers in engineering and engineering technologies. The Project Lead the Way® curriculum has been identified by the National Academy of Sciences, National Academy of Engineering, and Institute of Medicine as the “world-class model” for improving America’s K-12 science and mathematics education.

Recommended Course Sequence

✓ Required Class



Pre-Engineering Course Descriptions

Introduction to Engineering Design

Course Number(s):	21007T1010
Open to:	9, 10
Credit & Type:	1 Elective (ELECT)
Prerequisite:	None
Content:	The major focus of the IED course is to expose students to the design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards and technical documentation. In this course, students use 3D solid modeling design software to help them design solutions to solve proposed problems. Students will learn how to document their work and communicate solutions to peers and members of the professional community.

Principles of Engineering A & B

Course Number(s):	21004T1011, 21004T1012
Open to:	10, 11
Credit & Type:	2 Science (SCI) or 2 Elective (ELECT) (full year, 1 period)
Prerequisite:	Successful completion of Introduction to Engineering Design and concurrent enrollment in HS Math II A & B or above.
Content:	This survey course of engineering exposes students to some of the major concepts they will encounter in a postsecondary engineering course of study. Students employ engineering and scientific concepts in the solution of engineering design problems. They develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges such as a solar/hydrogen hybrid car, a bridge truss, and a projectile motion device. Students also learn how to document their work and communicate their solutions to peers and members of the professional community. If taken for concurrent credit, this course will require the instructor to keep two gradebooks, one which follows West Ada grading policy and building procedures, and another that follows the concurrent credit university's grading policy.



Computer Integrated Manufacturing - CTE Center - Renaissance Campus

Course Number(s):	21010T2021
Open to:	11, 12
Credit & Type:	2 Elective (ELECT) (1 semester, 2 periods)
Prerequisite:	Successful completion Principles of Engineering A & B. Students must be concurrently enrolled in HS Math II or above. Digital Electronics is <u>highly recommended</u> .
Content:	The major focus of this course is to answer questions such as: How are things made? What processes go into creating products? How do assembly lines work? How has automation changed the face of manufacturing? As students find the answers to these questions, they learn about the history of manufacturing, a sampling of manufacturing processes, robotics, and automation. The course is built around several key concepts: computer modeling, Computer Numeric Control (CNC) equipment, Computer Aided Manufacturing (CAM) software, robotics, and flexible manufacturing systems.

Digital Electronics - CTE Center - Renaissance Campus

Course Number(s):	21008T2012
Open to:	11, 12
Credit & Type:	2 Elective (ELECT) (1 semester, 2 periods)
Prerequisite:	Successful completion of Principles of Engineering A & B. Students must be concurrently enrolled in HS Math II or above. Computer Integrated Manufacturing is <u>highly recommended</u> .
Content:	This course is the study of electronic circuits that are used to process and control digital signals. Digital electronics is the foundation of all modern electronic devices such as cellular phones, MP3 players, laptop computers, digital cameras, and high-definition televisions. The major focus of the DE course is to expose students to the process of combinational and sequential logical design, programmable logic teamwork, communication methods, engineering standards and technical documentation.

Civil Engineering & Architecture A & B - CTE Center - Renaissance Campus

Course Number(s): 21012T2011, 21012T2012
Open to: 11, 12
Credit & Type: 4 Elective (ELECT) (full year, 2 periods)
Prerequisite: Successful completion of Principles of Engineering A & B.
Content: The major focus of this course is completing long-term projects that involve the development of property sites. As students learn about various aspects of civil engineering and architecture, they apply what they learn to the design and development of a property. Students work in teams, exploring hands-on activities and projects to learn the characteristics of civil engineering and architecture. In addition, students use 3D design software to help them design solutions to solve major course projects. Students learn about documenting their project, solving problems, and communicating their solutions to their peers and members of the professional community of civil engineering and architecture. If taken for concurrent credit, this course will require the instructor to keep two gradebooks, one which follows West Ada grading policy and building procedures, and another that follows the concurrent credit university's grading policy.



Aerospace Engineering - CTE Center - Renaissance Campus

Course Number(s): 21015T2011
Open to: 12
Credit & Type: 2 Elective (ELECT) (1st semester, 2 periods)
Prerequisite: Successful completion of Digital Electronics and/or Computer Integrated Manufacturing, or Civil Engineering & Architecture A & B.
Content: The major focus of this course is to expose students to the world of aeronautics and aerospace engineering and related areas of study. Lessons and projects engage students in engineering design problems related to evolution of flight, physics of flight, flight simulation, propulsion, rocketry, space travel, aerospace structures and materials, flight and space physiology, remote sensing, and robotics. In addition, students use 3D design software to help design solutions to proposed problems. Students design intelligent vehicles to learn about documenting their project, solving problems, and communicating their solutions to their peers and members of the professional community.

Engineering Design & Development - CTE Center - Renaissance Campus

Course Number(s): 21007T2012
Open to: 12
Credit & Type: 2 Science (SCI) or 2 Elective (ELECT) (1 semester, 2 periods)
Prerequisite: Successful completion of Digital Electronics and/or Computer Integrated Manufacturing, or Civil Engineering & Architecture A & B. Students must be concurrently enrolled in or successful completion of HS Math III A & B or above.
Content: This capstone course allows students to design a solution to a technical problem of their choosing. This is an engineering research course in which students research, design, test and construct a solution to an open-ended engineering problem. The product development life cycle and a design process are used to guide and help the team to reach a solution to the problem. Students create presentations to their solutions. The EDD course allows students to apply all the skills and knowledge learned in previous engineering courses. This course also engages students in time management and teamwork skills, a valuable set for students in the future. Students in Engineering Design and Development are responsible for obtaining supplies specific to their group projects. Students are encouraged to seek out donations and/or recycled parts that can be used in completing their projects. If taken for concurrent credit, this course will require the instructor to keep two gradebooks, one which follows West Ada grading policy and building procedures, and another that follows the concurrent credit university's grading policy.

