COOPER HIGH SCHOOL

COURSE GUIDE

2020-2021
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Dear Cooper Students:

This Course Guide has been developed in order to assist you in developing your program of studies for the next school year. Used properly, this booklet can assist you in which courses to take to meet graduation requirements, college admissions, occupational objectives, and/or vocational interests.

In planning your educational program, you and your parents should closely review all aspects of this booklet and arrive at a decision that best fits your abilities, interests, and needs. In order to encourage educational growth, students should select a curriculum that is both rigorous and relevant. Education is a cooperative responsibility of all concerned, and the staff at Randall K. Cooper High School is prepared to counsel and advise you during this process.

Since our course selection and staffing needs are based on student requests, it is extremely important that this process be given appropriate time, effort, and planning on the part of each student and his/her family. No schedule changes in core content courses will be permitted unless necessary to meet graduation requirements once students turn in their request sheets. Your selections are a commitment to specific courses; our expectation is that these commitments be honored.

I encourage you to challenge yourself, strengthen your abilities, and take advantage of the opportunities offered at Randall K. Cooper High School. Take chances, try new things, and push yourself to reach new levels. These experiences, along with good study habits and active participation in class, will allow you to identify interests, develop plans and attain skills. In turn, this growth will pave a road to success and build a foundation for a life of learning.

Join me in making the 2020-2021 school year the best ever!

Sincerely,

D. Michael Wilson

D. Michael Wilson
Principal
This course description booklet is meant to serve as a guide for students during the course selection process. Not all courses listed may become classes based on the number of student requests during the scheduling process. Due to district and state regulations, changes are sometimes necessary after the booklet is printed. Please use this booklet as a guide and refer to the school website for the most recent (official) descriptions for courses.

BOONE COUNTY BOARD OF EDUCATION NON-DISCRIMINATION POLICY STATEMENT

Students, their parents, and employees of the Boone County School system are hereby notified that this school district does not discriminate on the basis of race, color, national origin, age, religion, marital status, sex, or disability in employment programs, vocational programs, or activities as set forth in compliance with the Office of Civil Rights, Title VI, Title VII, Title IX, ADA and Section 504.

Any person having inquiries concerning Boone County Schools compliance with the Office of Civil Rights Law, Title VI, Title VII, Title IX, ADA and Section 504 is directed to contact Kathleen G. Reutman, Boone County Schools, 8330 U.S. 42, Florence, KY, Telephone (859)283-1003 who has been designated by the Boone County Schools to coordinate the District’s efforts to comply with Title IX, Title VI, Title VII and the Americans with Disabilities Act and Section 504.

CREDIT TRANSFER

• Credits transferring from a non-accredited school will be reflected as pass or fail on the student’s transcript and will not be used in the computation of class rank and grade point average. Transferring students may be required to demonstrate proficiency in course material before credit is applied toward graduation requirements. Credit transferring from an accredited school will be reflected on the student’s transcript.

• The grading scale used to calculate GPA and class rank for transfer students is the Boone County District scale *see GPA calculation chart.

• If only alpha grades (letter grades) are received; numeric value based upon the grading scale of Cooper High School will be assigned.

<table>
<thead>
<tr>
<th>Grade from school</th>
<th>Numeric Grade assigned</th>
<th>Honors Index (1.02)</th>
<th>AP/Gatton/Dual Credit Index (1.04)</th>
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<td>(For transfer students only. Use previous scale.)</td>
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</table>

* The Principal of Cooper High School has the final authority regarding transfer of credit.

INDIVIDUAL LEARNING PLAN

Cooper High School students are provided an online college and career planning tool (i.e. Career Cruising, Xello, Academic Planner, etc.) to assist with the development of an individual learning plan. This individual learning plan will help secondary students better focus their coursework on individual goals as they prepare for postsecondary studies and careers. Our plan is for this resource to offer more opportunities for teachers, advisors, students and their parents to discuss their future goals and make their secondary educational experience the best it can be.

Research shows that teachers can become better connected with students when their interests are discussed. Students can be provided with more individual attention or advice as needed when there is a process in place to allow individual discussions. This tool will be invaluable to high schools, middle schools and districts as they plan course offerings and staffings to meet the academic and career interests of all students.

GPA Calculation Chart

<table>
<thead>
<tr>
<th>INDEX</th>
<th>Academic</th>
<th>Honors</th>
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</table>
CAREER AND TECHNICAL PLANNING

Career Assessments utilized in the Individual Learning Plan.

Academic Assessments

ACT – is a very important college admission exam. Subject tests are in English, Math, Reading and Science. This assessment is administered to all eleventh graders in March as part of state assessment. ALL JUNIORS are highly encouraged to take the December ACT. Registration is done online at www.actstudent.org. The score on this exam not only determines admission, but also scholarship eligibility. It is recommended that college bound students take the ACT three times for optimal performance. **Special note: Students eligible for free/reduced lunch are eligible for two ACT fee waivers during high school to take the ACT for FREE.

PSAT – the pre SAT is given each October on the national test date. This test may qualify students for the National Merit Scholarship and commendation as well as qualifying for the Governor’s Scholar Program. This is an optional test and has a fee of around $20.00. It is recommended for college-bound students as practice for freshmen and sophomores and the qualifying score junior year.

ASVAB – the Armed Services Vocational Aptitude Battery is a career exploration instrument offered by the Department of Defense to over one million high school students yearly by contacting any local recruiting office. The ASVAB is offered to any upperclassmen each year. All students will follow-up their results with The Holland Self-Directed Search (SDS) which will serve as an individual guide to educational and vocational career planning.

CTE EOP - Career and Technical Education End-of-Program Assessment for Articulated Credit is one measure of career readiness as a transition readiness indicator of the Kentucky’s accountability system. CTE EOP Assessments are state developed assessments based upon clear and concise standards identified by Kentucky employers, aligned with CTE career pathways and associated with statewide articulation agreements with postsecondary partners.

DUAL CREDIT

There are several ways students can earn both high school credit and college credit while in high school. Cooper High collaborates with many post-secondary institutions. See more detailed information under “Ways to Earn College Credit at Cooper High School”.

Schedule Changes

There will be no schedule changes for core-content courses granted once a student has submitted their course requests. We build the master schedule and teacher assignments based on student requests. Schedule changes will be granted for required courses for graduation with priority given to seniors.

COOPER AP COURSES: SPECIAL NOTE

Advanced Placement courses offer students the opportunity to do college-level work while still in high school. Advanced Placement courses are developed by College Board. These rigorous courses are equivalent to college courses and college credit may be earned depending on the score on the AP exam and which college the student will be attending.

Students should expect to do homework regularly and have additional reading and writing compared to a non-AP course.

Students are strongly encouraged to take the corresponding AP exam in May. Students who take the AP exam will be exempt from the spring semester final for the course. Students not taking the exam will take an AP equivalent comprehensive final exam for the course and the score will be reflected on the permanent record.

Students who are eligible for free or reduced lunch may not need to pay for the exams. Please check with the Guidance Office. AP exam scores range from 1 to 5. Generally, colleges start awarding college credit for a score of 3. Check with individual colleges to verify the score they accept and hours awarded. Due to the difficulty level of the course, scores are indexed by 1.04 of the average.

Students who are academically prepared and willing to work hard are encouraged to take AP courses. In addition to the challenges provided and the potential to earn college credits through an AP course, students may experience long-range financial benefits. Please refer to the AP Savings Charts located at the end of each academic department for examples of potential savings.
**NCAA ELIGIBILITY**

*Information subject to change. Check the website listed for the most current up-to-date information.*

Student-athletes who plan to participate in college athletics their freshman year must register with the NCAA Initial Eligibility Clearinghouse in the fall of their senior year. To register, go to [www.ncaa.org](http://www.ncaa.org), complete the required information, print the two transcript release authorizations, and take them to the school counselor. A copy of the transcript, along with the first release will be sent to the Clearinghouse. After reviewing your transcript, a final certification decision will be made according to the NCAA standards listed below.

**CORE UNITS REQUIRED FOR NCAA CERTIFICATION**

<table>
<thead>
<tr>
<th></th>
<th>Division 1</th>
<th>Division 2</th>
</tr>
</thead>
<tbody>
<tr>
<td>English Core</td>
<td>4 years</td>
<td>3 years</td>
</tr>
<tr>
<td>Math Core</td>
<td>3 years</td>
<td>2 years</td>
</tr>
<tr>
<td>Science Core</td>
<td>2 years</td>
<td>2 years</td>
</tr>
<tr>
<td>S. S. Core</td>
<td>2 years</td>
<td>2 years</td>
</tr>
</tbody>
</table>

Additionally:

From English, Math or Science

1 year 3 years

Additional Core (English, Math, Science, Social Science, Foreign Language, Computer Science)

4 years 4 years

**TOTAL CORE UNITS REQUIRED**

16 16

Ten of the sixteen core courses must be completed before the start of the senior year of high school. Seven of the ten core courses must be in English, Math or Science.

Important Notes:

- Math requirements must begin with Algebra I or higher.

- In addition to the 16 core courses, students must meet the guidelines on a sliding scale combining a range of core-courses GPA’s with corresponding ACT or SAT test results. Please view that sliding scale on the NCAA website listed above.

- Please pay special attention when selecting core courses within each department. Some core courses do not meet the minimum requirements for NCAA eligibility.

In addition, students must have a GPA of 2.3 in the 16 core-courses for Division I and have a GPA of 2.0 in the 16 core courses for Division II.

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**NAIA ELIGIBILITY REQUIREMENTS FOR FIRST-TIME COLLEGE FRESHMEN**

*Information subject to change.*

Every incoming freshman must meet two of the following three entry-level requirements in order to be eligible for intercollegiate competition:

1) Minimum Test Scores:
   - 18 composite score on the ACT or 970 on the SAT*
   *Exception: ACT tests taken March 1, 2016 through April 30, 2019 require a composite score of 16. SAT tests taken March 1, 2016 through April 30, 2019 require a score of 860.

   OR

2) An overall high school grade point average of 2.0 on a 4.0 scale)

   OR

3) Graduate in the top half of the student’s high school graduating class.

NOTE: Effective August 1, 1994, eligibility for practice and competition in the freshman year of college will be certified by an initial-eligibility clearinghouse.

Website:

[http://naia.org](http://naia.org)
MINIMUM HIGH SCHOOL REQUIREMENTS

The minimum requirements for graduation are currently under review by the Kentucky State Board of Education. The following requirements are subject to change.

**English** 4 credits I, II, III, IV
One English course must be taken each year while at RCHS.*
*Exceptions: via Early College and Dual Enrollment

**Mathematics** 4 credits
Algebra I, Geometry and Algebra II are required.
One math course must be taken each year while at RCHS.

**Science** 3 credits
Integrated Science, Biology, Chemistry or Physics

**Social Studies** 3 credits
Geography, World History & US History

**Arts & Humanities** 1 credit
Health ½ credit
Phys. Ed. ½ credit
CTE 1 credit
Electives 5 credits

*Please note the minimum requirements may not meet Pre-College Curriculum.

TOTAL=MINIMUM OF 22 CREDITS

**Pre-College Curriculum**

By successfully completing the Minimum High School Requirements all students at Cooper High School meet Pre-College Curriculum with the addition of 2 credits in the same

**World Language.** The Pre-College Curriculum is required for students planning to attend a 4-year post-secondary institution.

Students meeting minimum requirements or pre-college curriculum will earn a regular Cooper High School Diploma. RCHS students may also choose to earn one of the following:

**Kentucky Scholars Recognition**

**English** I, II, III, IV 4 credits
One English course must be taken each year while at RCHS.*
*Exceptions: via Early College and Dual Enrollment

**Mathematics** 4 credits
One math course must be taken each year while at RCHS.

**Science** 3 credits
Biology, Chemistry and Physics are required.

**Social Studies** 3 credits
Geography or AP Human Geo., World History or AP Euro History, and US History or AP US History are required.

**World Language** 2 credits
2 credits in same language

**Arts & Humanities** 1 credit
Health ½ credit
Phys. Ed. ½ credit
CTE 1 credit
Electives 4 credits

Graduation with Honors

Any student with a weighted grade of 3.8 or higher will be considered as graduating with honors and will be recognized at the graduation ceremony. A “graduating senior” according to this policy shall be a student who has previously completed seven (7) high school semesters from an accredited high school and is currently completing the eighth (8th) high school semester at Cooper High School. Cooper High School will recognize seniors who have completed all the state, Board, and school requirements for graduation, have achieved a high level GPA and taken Advanced Placement or Dual Enrollment courses as outlined below by identifying individual students as graduating Cum Laude, Magna Cum Laude, Summa Cum Laude. Requirements for each of Cooper High School’s recognition levels:

<table>
<thead>
<tr>
<th>Recognition</th>
<th>Weighted GPA</th>
<th>Required Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td>Cum Laude</td>
<td>3.8</td>
<td>2 (Combination AP &amp; Dual Enrollment)</td>
</tr>
<tr>
<td>Magna Cum Laude</td>
<td>4.15</td>
<td>5 (Combination AP &amp; Dual Enrollment)</td>
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<tr>
<td>Summa Cum Laude</td>
<td>4.5</td>
<td>8 (Combination AP &amp; Dual Enrollment)</td>
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Other Graduation Requirements for ALL students:

- A senior graduation project is a requirement which will be a Service-Learning project. The interview will consist of both written and presentation skills evaluated by a panel.
- Students in all graduation classes must complete eight semesters of coursework, based on a six-hour instructional day.
- An Individual Learning Plan (ILP) must be completed each year.
- Students will not be allowed to accelerate English classes. An English class must be obtained each year. (Exception is Eng. 101 and 102 taken during Jr. year of Early College)
- Students must take at least one math course per year.
- All students must complete 20 hours of community service. (recommend completing 5 per year)
- All students must pass a civics test composed of 100 questions. Students are required to score 60%.

Credit Requirements for college courses:

Students are required to be enrolled in 6 RCHS credits per year or the college equivalent. If taking college courses to replace RCHS credits, courses must be 3 credit hours to be equivalent to one RCHS credit.

<table>
<thead>
<tr>
<th>CREDITS NEEDED FOR PROMOTION</th>
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<tbody>
<tr>
<td>Senior</td>
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<tr>
<td>Junior</td>
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<tr>
<td>Sophomore</td>
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</tbody>
</table>

The grade level the students enter on the 1st day of school is the grade level for that student for the year.
Required English Courses:

**English I**
Course #230107-1  
Credit: 1  
Grade Level: 9

This course will focus on research-based reading and writing strategies. Students will read nonfiction and fiction to enhance fluency, vocabulary and comprehension. The course will also involve reading analysis and application to real world experiences. Students will also write to learn, write to demonstrate learning, and write for authentic purposes and audiences. Students’ vocabulary, grammar, and writing skills will be developed.

**English I Honors** *(Honors Weighted)*
Course #230107-H  
Credit: 1  
Grade Level: 9  
Recommended: A or B+ in 8th grade Language Arts

This course continues to develop effective reading strategies through the use of the analysis of reading, using research-proven reading strategies. This course will cover material of English I, but in more depth, using essential reading skills as a foundation. Students will also write to learn, write to demonstrate learning, and write for authentic purposes and audiences. Students’ vocabulary, grammar, and writing skills will be developed.

**English II**
Course #230110-1  
Credit: 1  
Grade Level: 10  
Prerequisite: Eng. I

This required course will involve reading, listening and interpreting culturally diverse literary selections (poetry, novel, short stories, drama, and nonfiction) through focused readers’ responses. Students will also analyze literary and informational selections and write for authentic audiences. Students will evaluate and apply good writing skills in terms of purpose, content, organization and style through peer and individual reflective responses. Students’ vocabulary, grammar, and writing skills will continue to be developed.

**English II Honors** *(Honors Weighted)*
Course #230110-H  
Credit: 1  
Grade Level: 10  
Prerequisite: English I with 87% or higher

This course continues to develop skills of reading, listening and interpreting culturally diverse literary selections but at a much faster rate with more in-depth focus on analyzing, composing and reflection. This course will also serve as an introduction to AP Language and Composition with an emphasis on rhetoric. Students’ vocabulary, grammar, and writing skills will continue to be developed.

**English III**
Course #230113-1  
Credit: 1  
Grade Level: 11  
Prerequisite: Eng. II

Literature from a variety of genres will be studied. Students’ vocabulary, grammar, and writing skills will continue to be developed. The emphasis will be upon effective writing in a variety of modes and increasing competency in reading, analyzing, and interpreting different genres of literature. Students will work to improve career and college readiness skills.

**English III Honors** *(Honors Weighted)*
Course #230113-H  
Credit: 1  
Grade Level: 11  
Recommended: English II with 90% or higher

This course will cover the topics in English III at an in-depth and more rigorous level. This class will incorporate both reading and writing with a variety of genres. This class focuses on analysis of literature, argumentative writing and ACT preparation.

**AP English III Language and Composition** *(AP Weighted)*
Course #230166-1  
Credit: 1  
Grade Level: 11  
Recommended: 90% in previous English course, honors preferred

This one year course engages students in becoming skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and in becoming skilled writers who write for a variety of purposes. Students should expect this course to be similar to an introductory college writing course that focuses on expository writing, analytical writing, personal writing, persuasive and reflective writing. Students will be required to manage their time to handle outside reading and writing assignments, as well as participate in regular class discussions. Students are strongly encouraged to take the AP test in May, for which they may earn college credit.

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**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**English IV**
Course # 230116-1
Prerequisite: Eng. III

Grade Level: 12  Credit: 1

This required course will continue the development of writing skills needed for students to perform well in twenty-first century literacy skills. Vocabulary, grammar, and writing skills will be reinforced. Reading materials will be used as a basis for writing assignments including literature from a variety of genres. A research/multimedia project will be required.

**English IV Honors (Honors Weighted)**
Course # 230116-H
Recommended: Eng. III with 90% or higher

Grade Level: 12  Credit: 1

This course will cover the topics in English IV at an in-depth and rigorous level. This class will incorporate both reading and writing within a variety of genres. This class focuses on critical analysis of literature and a research/multimedia project will be required.

**AP English IV Literature and Composition (AP Weighted)**
Course # 230167-1
Recommended: ACT score of 19 or higher in English and Reading, A/B+ in previous English course, honors or AP preferred

Grade Level: 12  Credit: 1

This year-long AP course in English Literature and Composition engages students in the careful reading and critical analysis of literature. The use of material from various genres will necessitate a variety of writing and speaking activities that should enhance students' awareness of the resources of language. Students enrolled in this course must assume considerable responsibility for the amount of reading and writing required. Students are strongly encouraged to take the AP test in May, for which they may earn college credit.

*****************************************************************************
English Electives:

**Film Studies**
Course # 230140-1

Grade Level: 9-12  Credit: .5*

* (Can fulfill .5 Arts and Humanities credit)

This course provides the students with the theoretical instruments that will enable them to analyze a wide array of films. Through readings, lectures and discussions, students will learn about the language of film. Five feature films (viewed by the students outside of class time), each one brilliantly illustrating a specific aspect of film narrative and style, will be closely studied in class. Technical aspects of film production will also be discussed.

**Mythology**
Course # 230140-3

Grade Level: 9-12  Credit: .5

This course is designed to acquaint students with readings and exposure to works of art and cultural products. Students will come to know some of the world’s most influential mythology in more thorough and meaningful ways.

**Creative Writing**
Course # 230511-1

Grade Level: 9-12  Credit: .5

This course provides an opportunity for students to discover and perfect their creative communication skills. Students learn to develop voice, tone, focus, form, and meaning in different writing styles. Students will learn peer conferencing skills and creative revision techniques.

**Yearbook Production I (by application only)**
Course # 239141-1
Prerequisite: Yearbook advisor recommendation as part of the application process

Grade Level: 9-12  Credit: 1

Parts A and B

New staff members will learn the basics of publishing a yearbook that include: developing a theme, learning layout design, writing headlines, captions and body copy, successfully selling ads, and photographing and cropping digital pictures. Each student will finish four double page spreads by the end of the year.

**Yearbook Production II (by application only)**
Course # 239142-1
Prerequisite: Yearbook I

Grade Level: 10-12  Credit: 1

Parts A and B

Staff members will continue to enhance their journalistic, graphic, and photographic skills. Those wishing to assume leadership positions in their senior year will begin to learn those jobs in the third trimester. After school ends, the staff will finish the remaining few spreads. Students at this level may elect to join the advisor at yearbook camp for three days during the summer vacation.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**Yearbook Production III** (by application only)
Course # 239143-1  
Grade Level: 11-12  
Credit: 1  
Prerequisite: Yearbook II

Parts A and B
This course for veteran yearbook staff members is designed for those who want to become the editor-in-chief, the photo manager, the business manager, or one of the section editors. In one of these positions the student will not only continue to perform skills and tasks learned in Yearbook I and II, they will also assist the yearbook advisor in supervising the staff and critiquing the work in order to complete the yearbook. After school ends, these students will finish the remaining few spreads the week or two following graduation.

**Journalism**
Course # 239111-1  
Grade Level: 10-12 *  
Credit: 1  
Recommended: A or B+ in English I Honors

*9th graders permitted with an enrollment in English I Honors

As members of the Journalism class, students will learn the different writing elements involved in producing a newspaper. They will demonstrate an understanding of Journalism basics including story development, interviewing, copy writing, editing and photography.

This course may be repeated. For students who repeat the course, they will participate in the regular production of a student newspaper that will report the happenings in Cooper's halls. Students will assume leadership positions as they become the voice of the student body.

**Graphic Novels (New)**
Course # 230140-7  
Grade Level: 9-12  
Credit: .5*  
Prerequisite: None

*(Can fulfill .5 required Arts and Humanities credit)*

This course is designed to teach students to learn the fundamentals of the creation and production of graphic novels, along with how to understand and enjoy comics and graphic novels that make up the history of this medium in the modern English-speaking world. This course will ensure that students are able to recognize the visual references, theoretical terms, and the artistic techniques used by comic writers and artists. Students will also be creating their own graphic novels.

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**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Cooper Academy of Mathematics and Science (CAMS)

The purpose of Cooper Academy of Mathematics and Science (CAMS) is to provide our students who have excelled in mathematics, science, and reading. This is a high school curriculum rich with AP mathematics and science courses meet precollege curriculum and challenge and prepare them for a post-secondary mathematics or science careers.

For a student to be considered for special recognition at graduation for participating in the CAMS program they must meet the following requirements (paying careful attention to their focus area):

- Successfully meet all graduation requirements established by Cooper High School
- Complete the following courses:
  - Algebra 2 Honors
  - Geometry Honors
  - Pre-Calculus
  - AP Calculus BC
  - AP Calculus BC
  - Capstone Math Course

- Hold an unweighted cumulative average of at least 80 in the above listed classes.

Below is an example for a CAMS student’s four year graduation plan. Students who wish to take four years of band, choir, or a world language can do so, but in most cases at least one summer course must be taken. Because of this, it is of utmost importance for all CAMS students to create their own personal four year plan upon entering the academy to make sure all graduation requirements are met. For more information about possible schedules, please see our website at www.coopercams.yolasite.com.

<table>
<thead>
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**ENGINEERING FOCUS**

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<td>English IV Honors or AP Literature and Composition</td>
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<td>US History or AP US History</td>
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<td>Honors Biology or AP Bio or AP Physics Electricity/Mag</td>
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**MEDICAL PROFESSION FOCUS**

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<td>US History or AP US History</td>
<td>Capstone Math – AP Statistics recommended</td>
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With "open periods" students must ensure they meet all graduation and prerequisite requirements. These include the following:

1. 1 CTE Credit - May be taken during summer
2. .5 PE Credit/.5 Health - May be taken during summer
3. 1 Fine Arts - May be taken during summer

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Required Math Courses:

**Algebra I**
Course # 270304-1  
Grade Level: 9  
Credit: 1  

This course is designed to develop the basic algebra skills with a focus on the various numbers and their operations, and solving equations as well as inequalities. The first semester prepares the student to solve real world problems and applications using various techniques. Second semester’s topics include graphing equations of lines using slopes, exponents and polynomials. Using a graphing calculator will be introduced.

**Algebra II**
Course # 270311-1  
Prerequisite or co requisite: Geometry  
Grade Level: 9-12  
Credit: 1  

Algebra II introduces the student to more complex concepts from algebra. This class introduces the students to the advanced algebraic concepts as they apply to real world circumstances as well as future math related courses with a special focus on rational expressions, polynomials, exponential, logarithmic and quadratic functions, mathematical patterns and probability. This course covers content from the ACT.

**Algebra II Honors** *(Honors Weighted)*
Course # 270311-H  
Prerequisite: Alg. I with A or B, freshmen wishing to double up in mathematics must have teacher approval  
Grade Level: 9-11  
Credit: 1  

Algebra II introduces the student to more complex concepts from algebra. This class introduces the students to the advanced algebraic concepts as they apply to real world circumstances as well as future math related courses with a special focus on rational expressions, polynomials, exponential, logarithmic and quadratic functions, mathematical patterns and probability. This course covers content from the ACT, and is necessary to keep from taking remedial math in college.

As an honors class, topics will be covered with the understanding the pace is faster and more in depth with additional math topics.

**Geometry**
Course # 270401-1  
Prerequisite: Algebra I  
Grade Level: 9-12  
Credit: 1  

Emphasis is placed on discovery, proof, and application of geometric principles and relationships. Topics include points, lines, planes, angles, triangles, transformation, congruency, and parallel lines. This course also focuses on similar polygons, proof, quadrilaterals and other polygons, right triangle trigonometry, circles, volume, applications of geometric principles, relationships and formulas.

**Geometry Honors** *(Honors Weighted)*
Course # 270401-H  
Prerequisite: Algebra I with A or B; Students earning an A or B in Algebra I should consider signing up for this course. Freshmen wishing to double up in mathematics must have teacher approval  
Grade Level: 9-11  
Credit: 1  

Emphasis is placed on discovery, proof, and application of geometric principles and relationships. Topics include points, lines, planes, angles, triangles, transformation, congruency, and parallel lines. This course also focuses on similar polygons, proof, quadrilaterals and other polygons, right triangle trigonometry, circles, volume, applications of geometric principles, relationships and formulas.

As an honors class, topics will be covered with the understanding the pace is faster, with more depth, additional math topics, and more emphasis on logic and proof.

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**Additional Math Courses**

**Mathematics Intervention** *(Modified-formerly Transitions)*
Course #270309-1  
Prerequisite: Only Senior students below benchmark (19 in math) on the ACT  
Grade Level: 12  
Credit: 1  

This course does NOT meet NCAA eligibility requirements for Math.

This course will help students meet benchmark in math by completing a college placement test (KYOTE) for math. Passing this test with a score of 22 ensures that students can enroll in a college credit-bearing mathematics course in the state of Kentucky in place of taking remedial math classes. This class will also increase the likelihood for successful completion in future college math courses by strengthening their critical math skills. Students will review Algebra I, Algebra II and Geometry topics.

**Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.**
Algebra III Honors (Honors Weighted)
Course # 270321-H
Prerequisite: Algebra I, Geometry & Alg. II
Grade Level: 11-12
Credit: 1

This course is recommended for the college bound student who will not take Calculus.

This course goes beyond traditional Algebra 2 content. This course is designed for students who are intending to enter into post-secondary education and perhaps pursue a degree that requires an algebra pathway but are in need of additional mathematics preparation in order to be successful in a credit-bearing college algebra course. A TI-84 graphing calculator is suggested for this course.

Pre-Calculus Honors (Honors Weighted)
Course # 270501-1H
Prerequisite: Honors Geometry and Honors Algebra II with an A or B or Geometry and Algebra II with an A or Algebra III with an A
Grade Level: 10-12
Credit: 1

This course covers trigonometric functions, identities, addition formulas, inverse trig functions, and trigonometric equations. The second semester focuses on functions and graphs, linear equations, exponential, logarithmic, and rational functions as well as other pre-calculus topics. These may be relationships and functions, conic sections, probability, and word problems. Introduction and use of graphing calculators will be included in this course. This course will also include an emphasis on ACT items for college readiness.

NOTE: In order to be proficient in trigonometry students must be proficient in ALL GEOMETRIC CONCEPTS: congruence, similarity, formulas for plane and solid figures, ratios and proportions, properties of the quadrilaterals, right triangle theorems, as well as the special right triangle ratios, and triangle relationships.

A TI-84 or higher graphing calculator is recommended for this course.

AP Calculus AB (AP Weighted)
Course # 270513-1
Prerequisite: Pre-Calculus
Grade Level: 11-12
Credit: 1

This course is intended for the student who has a thorough knowledge of college preparatory mathematics including: Algebra, axiomatic geometry, trigonometry, and analytic geometry. Topics include functions, limits, derivatives, integrals, and applications of derivatives and integrals. A student enrolled in AP Calculus AB cannot take AP Calculus BC at the same time.

AP Calculus BC (AP Weighted)
Course # 270514-1
Prerequisite: Accelerated Pre-Calculus or Pre-Calculus with teacher permission
Grade Level: 11-12
Credit: 1

This course is intended for students who plan to major in math, a physical science, or engineering in college and have excelled in their previous math courses. No student should take both AB and BC at the same time. Topics include all those listed under AP Calculus AB as well as integration by parts, L'Hopital's Rule, sequences and series, and polar and parametric coordinates.

KSU College Algebra (Dual Enrollment)
Course #270320-KSU
Prerequisite: B+ in Algebra II and using PLAN and ACT scores
Grade: 12
Fee: $65.00
Credit: 1

This is a dual enrollment online course (with teacher support in the classroom) that will give students opportunity to gain college credit hours and experience in college math. It will also provide another opportunity to get students college and career ready. This class is designed for intrinsically motivated students who should plan to spend on average one hour outside of class per week day on assignments and quizzes. The assignments are completed online and the assessments are given in a more traditional paper/pencil layout. Support is given to the students through online videos made by Kentucky State University and in class lessons with a Cooper High School mathematics teacher.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.

**Introduction to Engineering Design** (Honors weighted)
Course #219901-1
This course does NOT meet NCAA eligibility requirements for Math.
See CTE section for full course description.

**Principles of Engineering** (Honors Weighted)
Course # 219902-1
This course does NOT meet NCAA eligibility requirements for Math.
See CTE section for full course description.

**Civil Engineering and Architecture** (Honors weighted)
Course #219905-1
This course does NOT meet NCAA eligibility requirements for Math.
See CTE section for full course description.

**Computer Integrated Manufacturing** (Honors weighted)
Course #219904
This course does NOT meet NCAA eligibility requirements for Math.
See CTE section for full course description.

**Introduction to Programming** (New)
Course # 110201-1
See CTE section for full course description.

**Java Programming 2 Honors** (Honors Weighted)
Course # 110206-H
See CTE section for full course description.

**AP Computer Science Principles** (AP Weighted)
Course #110711-1
See CTE section for full course description.

**AP Computer Science A** (AP Weighted)
Course #110701-1
See CTE section for full course description.
### Cooper High School AP Credit Hours and Savings Opportunities*

*Check individual school websites for details

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### Additional Table

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*Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.*
Required Science Courses:

**Integrated Science**  
Course # 303091-1  
Grade Level: 9  
Credit: 1  
Fee: $15.00

The introductory science course addresses topics in physical and Earth space sciences. This course stresses problem solving, mathematical, and critical thinking skills, both independently and cooperatively. Physical science topics include: Energy/Energy Transformations, Forces and Motion, and Electricity. Space science topics include the Earth’s interaction with the solar system and gravitational forces. Students will continue to develop a deeper understanding of the processes of scientific inquiry and how these processes use evidence to support conclusions based on logical reasoning. Students investigate ways in which science and technologies combine to meet human needs and solve human problems. Students will trace the historical development of scientific theories and ideas, explore scientific theories and develop their scientific literacy to become knowledgeable citizens.

**Earth/Space**  
Course # 304611-1  
Grade Level: 11-12  
Credit: 1  
Fee: $15.00

This course is a hands-on exploration of Earth/Space topics that satisfies a science graduation requirement. Areas of study will include: Earth chemistry, minerals, rocks, rock record, plate tectonics, deformation of crust, volcanoes, earthquakes, weathering and erosion, river systems, groundwater, glaciers, erosion, oceans, meteorology, planets, asteroids, meteors, sun, stars, galaxies, and the universe. Students will use evidence to evaluate and analyze theories related to many of the components of the universe, including those listed above. Students will be able to apply concepts to real-world situations through inquiry and student-centered labs.

**Biology I Honors**  
Course # 302601  
Grade Level: 9*  
Credit: 1  
Fee: $15.00

*(10th grade year with recommendation of integrated science teacher)

This rigorous course is designed to address the same concepts as a regular biology course with a greater depth of knowledge. It covers the primary aspects of the discipline, including cells and their functions, introductory biochemistry, genetics, animals, plants, and the relationships among organisms, ecology, and evolution. Additionally, this course explores the general foundations and practices of science and the cross cutting concepts that relate to all sciences. Scientific inquiry approaches require students to apply critical-thinking skills and statistical methods to collect and analyze sets of data to determine trends and relationships among them. Students will be required to read and carry out other research while learning the language of scientific study. Students are required to write and speak formally and prepare organized, and well-written assessments. Written and verbal communication skills as well as organizational skills are stressed.

The course is designed for students who plan to complete the science honors sequence and prepare for advanced placement science as well as a post-secondary education. A minimum of 20 minutes a night should be devoted to study and course work. This course recommended if student plans to take AP Biology.

**Agri-Biology**  
Course # 030713  
Grade Level: 10  
Credit: 1  
Fee: $15.00

Career Area: Animal Systems, Plant Systems, Agri-Biotechnology

This course does NOT meet NCAA eligibility requirements for Science.

For students who took Principles of Ag. Science and Tech. during the freshman year, Agri-Biology will be your next Science course. Agri-Biology uses agricultural context to present the required life science content for assessment, as outlined in the Program of Studies. As students study practical agricultural concepts, they apply scientific ways of thinking and working to real-life problems. The agriculture teacher and science teacher work together in planning and evaluating the course.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
This course covers the primary aspects of the discipline, including cells and their functions, introductory biochemistry, genetics, animals, plants, and the relationships among organisms, ecology, and evolution. In addition it explores the general foundations and practices of science, teaches the basic processes of scientific inquiry, and emphasizes the importance of mathematics and measurement. Students will apply statistical methods to collect and analyze sets of data to determine trends and relationships among them. Students will be required to read and carry out other research while learning the language of scientific study. Students are required to write and speak formally and prepare well-written, organized, and complete assessments. Written and verbal communication skills as well as organizational skills are stressed.

### AP Biology (AP Weighted)

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<td>302646-1</td>
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Recommended: 87% or higher in Honors Biology and 87% or higher in Honors Chemistry

Fee: $15.00

The AP Program in Biology is an introductory, college-level biology course. Students cultivate their understanding of biology through inquiry-based investigations as they explore the following topics: evolution, cellular processes, genetics, information transfer, ecology and interactions. Through intensive study, labs, and coursework, students will investigate and apply key scientific practices to analyze data, develop explanations and predictions of natural phenomena, and acquire and integrate knowledge into new applications. Students will develop advanced reasoning, inquiry, critical thinking and reading skills, and writing skills appropriate for college level classes. **Students signing up for this course should expect a rigorous workload, homework over long breaks, and summer work.** Students will need to be able to devote at least one hour of independent study per school night and an additional hour of independent study per weekend. This class is designed to prepare students for the AP exam given in May in which students could earn possible college credit.

### Chemistry

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<td>304521-1</td>
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Prerequisite: Biology

Fee: $15.00

This course is designed to familiarize students with the science processes, skills, and understandings related to a wide range of topics in chemistry. In this course, students will gain knowledge of the periodic table, chemical bonding and chemical reactions as well as the composition of matter and the chemical changes it undergoes. Additional topics covered in the class include energy, nuclear chemistry, rates of reactions, and equilibrium. Scientific inquiry approaches require students to apply critical-thinking skills. Emphasized areas of skill development will include laboratory, quantitative, communication, and independent thinking. Strong mathematical skills are required.

### Chemistry Honors (Honors Weighted)

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Recommended: 87% or higher in Honors Biology, Alg. II with 87% or higher

Fee: $15.00

This course is designed to familiarize students with the science processes, skills, and understandings related to a wide range of topics in chemistry. In this course, students will gain knowledge of the periodic table, chemical bonding and chemical reactions as well as the composition of matter and the chemical changes it undergoes. Additional topics covered in the class include energy, nuclear chemistry, rates of reactions, and equilibrium. Scientific inquiry approaches require students to apply critical-thinking skills. Emphasized areas of skill development will include laboratory, quantitative, communication, and independent thinking. Strong mathematical skills are required. This course is designed for students who plan to complete the science honors sequence and prepare for advanced placement science as well as a post-secondary education. While the standards covered in this course are the same as regular chemistry, the depth of understanding and rigor are increased significantly.

### AP Chemistry (AP Weighted)

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<td>304526-1</td>
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Recommended: 87% or higher in Honors Chemistry

Fee: $15.00

The AP Program in Chemistry is a one year college level course that will encompass a broad range of topics such as atomic theory and structure, chemical bonding, gases, liquids, and solids, solutions, various types of reactions, stoichiometry, equilibrium, kinetics, and thermodynamics. This course will also include laboratory activities as a major part of the course. Students signing up for this course should expect a rigorous workload, and **summer work that will be collected the first day of class. The summer assignment will take approximately 8 hours to complete and will require a computer with internet access.** Students will need to devote at least one hour of independent study per school night. This class is designed to prepare students for the AP exam given in May in which students could earn possible college credit.
Physics Honors (Honors weighted)
Course #304821-1H Grade Level: 10-12 Credit: 1
Pre-requisite: Algebra II (if taken 11th or 12th grade)
Pre-requisite or Co-requisite: Algebra II H (if taken 10th grade)

Students study velocity, acceleration, gravity, Newton’s Laws of Motion, vectors, momentum, energy, circular motion, rotation, relativity, thermodynamics, sound, light, electricity and magnetism. Students can expect to apply content to laboratory procedures and safety, scientific thinking and reasoning, problem solving, hands-on application projects and research-based/application projects. Content requires strong math and problem-solving skills.

AP Physics C: Mechanics (AP weighted)
Course #304825-1 Grade Level: 10-12 Credit: 1
Co-requisite: Calculus AB or BC

This course is the equivalent to a first-semester college course in calculus-based physics. Engineers, physicists, and other physical science majors require calculus-based physics to obtain college credit. Students will learn about kinematics, Newton’s laws of motion, work, energy, power, momentum, circular motion, rotation, oscillations, and gravitation. Approximately 20% of time will be spent doing lab activities. Students must have a firm grasp of mathematical concepts to succeed. Calculus concepts will be reviewed or learned as needed. This course will require ½ hour of independent study each night and is designed to prepare students for the AP exam in May.

AP Physics C: Electricity and Magnetism (AP weighted)
Course #304826-1 Grade Level: 11-12 Credit: 1
Pre-requisite: AP Physics C: Mechanics
Pre or Co-requisite: Calculus AB or BC

NOTE: This course is only offered in odd numbered years. (i.e. 2019-2020, 2021-2022, 2023-2024, etc.)

AP Physics C: Electricity and Magnetism is a calculus-based, college-level physics course, especially appropriate for students planning to specialize or major in physical science or engineering. The course explores topics such as electrostatics; conductors, capacitors, and dielectrics; electric circuits; magnetic fields; and electromagnetism. Introductory differential and integral calculus is used throughout the course. Approximately 20% of time will be spent doing lab activities. Students must have a firm grasp of mathematical concepts to succeed. Calculus concepts will be reviewed or learned as needed. This course will require ½ hour of independent study each night and is designed to prepare students for the AP exam in May.

Science Electives:

Anatomy/Physiology Honors (Honors Weighted)
Course # 302631-2 Grade Level: 11-12 Credit: 1
Recommended: 87% or higher in Honors Biology and 87% or in Honors Chemistry recommended
Fee: $15.00

This is an introductory course in human anatomy and physiology stresses the fundamental principles of the body systems. It is a fast paced course that covers the entire human body. An extensive study of the human systems through dissections is required. This course is geared toward students who are interested in healthcare careers, including nursing.

This is an elective science course. It will not satisfy the science graduation requirement.

Forensic Science I
Course # 302616-1 Grade Level: 11-12 Credit: .5
Prerequisite: Integrated Science I, Biology
Prerequisite or Co requisite: Chemistry
Fee: $15.00

This elective science course will introduce you to the application of science to the criminal and civil laws that are enforced by police agencies in a criminal justice system. 85% of the class will be based on labs with lab write-ups and researching various aspects of forensics. 15% of class will be based on lecture and notes. This course is intended to be interactive and experimental. You will be using experimental evidence, assessing crime scenes, and solving “crimes” using inquiry based learning. In this course you will untangle the evidence and solve the crime using inquiry based investigations. Careers including Blood Pattern Analyst, Medical Examiner, and Forensic entomologist, coroner, and surgeon autopsies will be investigated. The decomposition of an animal will be studied first-hand in this section. Due to the high volume of lab work, written and verbal communication skills as well as organizational skills are stressed.

This is an elective science course. It will not satisfy the science graduation requirement.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Forensic Science II
Course # 302616-2  Grade Level: 11-12  Credit: .5
Prerequisite: Integrated Science I, Biology
Prerequisite or Co requisite: Chemistry (FORENSIC SCIENCE I IS NOT REQUIRED TO TAKE THIS COURSE)
Fee: $15.00

This elective course will continue to expose you to the application of science to the criminal and civil laws that are enforced by police agencies in a criminal justice system. Labs are the primary focus of this course including an autopsy of a victim pig will be performed in this section. It is intended to be experimental and interactive. You will be using experimental evidence, assessing crime scenes, and solving “crimes” using inquiry based learning. This can be taken without taking Forensics I.

Due to the high volume of lab work, written and verbal communication skills as well as organizational skills are stressed. Several projects will be required, including an autopsy of a pig by student groups.

This is an elective science course. It will not satisfy the science graduation requirement.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
### Cooper High School AP Credit Hours and Savings Opportunities*

*check individual school websites for details

| AP Class   | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course |
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| AP Biology | 3-5   | 3-9    | 102, 103, 148, 152 | 3-5   | 3      | 102    | 3-5   | 7-11   | 101, 115, 216 | 3-5   | 3-8    | 100, 111, 112 | 3-5   | 4-8    | 1021, 1081, 1082 |
| AP Physics 1 | 3-5   | 3      | 151    | 3-5   | 4      | 221/222 | 3-5   | 3      | 130    | 3-5   | 3      | 101    | 3-5   | 5      | 2001/2001L |
| AP Chemistry | 3-5   | 4-8    | 105, 107, 111 | 3-5   | 3-6    | 201, 202 | 3-4   | 4      | 101, 105 | 3-5   | 4      | 101, 111, 112 | 3-5   | 4-10   | 1030, 1040, 1041 |

| Cost Per Credit Hour | $401 | $406 | $370 | $314 | $465 |
| AP Savings | $8,020 | $5,278 | $6,660 | $4,710 | $10,695 |
| Credit Hrs. Earned | 20 | 13 | 18 | 15 | 23 |

| AP Class   | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course | Score | Credit | Course |
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| AP Biology | 3-5   | 6      | 101, 102 | 3-5   | 3-4    | 105, 171 | 4-5   | 4      | 1044   | 3-5   | 4      | 120, 150 | 3-5   | 3-8    | 120, 121, 122, 123 |
| AP Physics 1 | 3-5   | 3      | 121    | 3-5   | 3      | 123    | 4-5   | 4      | 1014   | 3-5   | 4      | 110/L | 3-5   | 3      | 101 |
| AP Chemistry | 3-5   | 6      | 111, 113 | 3-5   | 4      | 101, 111 | 4-5   | 4      | 1055   | 3-5   | 4-8    | 120, 121 | 3-5   | 3-10   | Up to 8 courses |

| Cost Per Credit Hour | $590 | $320 | $750 | $337 | $363 |
| AP Savings | $8,850 | $3,520 | $9,000 | $5,392 | $7,623 |
| Credit Hrs. Earned | 15 | 11 | 12 | 16 | 21 |

*Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.*

21
Required History Classes:

**AP Human Geography (AP Weighted)**
Course # 450712-1  
Grade Level: 9-12  
Recommended: A/B+ in Social Studies and English  
Credit: 1

AP Human Geography is a one year college level course that will allow students to develop critical thinking skills through the understanding, application and analysis of the fundamental concepts of Geography. In AP Human Geography students are introduced to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of the Earth’s surface. Students will also study the political and economic institutions in the major countries of the world. Students will prepare for the AP examination in May which will give them the opportunity to earn college credit. Students will be required to manage their time to read a college level textbook, complete reading guides, as well as participate in class discussions.

**Geography (Modified - formerly Integrated Social Studies)**
Course # 450709-1  
Grade Level: 9-12  
Credit: 1

Students will relate distant places and culture to their own by examining the physical and human geography of the different regions in our world. Students will learn the methods and tools used by geographers to gain understanding of how geography has and continues to impact humans. Students will explore the elements of culture that shape the different regions, allowing them to better identify with the world in which they live. The government and economic systems of these regions will also be examined in an effort to understand and interpret past and current events. The physical and human geographical knowledge gained by this course will help to prepare students for future Social Studies disciplines.

*Students may take AP Human Geography in place of Human and Physical Geography.*

**AP European History (AP Weighted)**
Course # 450844-1  
Grade Level: 10-12  
Recommended: A/B+ in Introduction to Social Studies or in AP Human Geography  
Credit: 1

AP European History is designed to be the equivalent of a two-semester introductory college or university European course. In AP European, students investigate significant events, individual, developments and process in four historical periods from approximately 1450 to present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources; developing historical arguments; making historical comparisons; and utilizing reasoning about contextualization, causation, and continuity and change over time. The course also provides six themes that students explore throughout the course in order to make connections among historical developments in different times and places: interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; individual and society; and national and European identity. Students will be required to manage their time to read a college level textbook, complete reading guides, as well as participate in class discussions. The course content is based off of an AP curriculum and students are strongly encouraged to take the AP examination in May, which they can earn college credit.

**World History**
Course # 450835-1  
Grade Level: 10  
Prerequisite: Introduction to Social Studies or AP Human Geography  
Credit: 1

This course will focus on European History from 1500 to the Cold War. This class will help students develop note taking and critical reading skills, and will show them how to analyze primary source documents.

**AP US History (AP Weighted)**
Course # 450814-1  
Grade Level: 11-12  
Recommended: A/B+ in Honors English and prior Social Studies course  
Credit: 1

AP U.S. History is designed to be the equivalent of a two-semester introductory college or university U.S. History course. In AP U.S. History, students investigate significant events, individual’s developments and processes in nine historical periods from approximately 1492 to the present. Students develop and use the same skills, practices, and methods employed by historians: analyzing primary and secondary sources’ making historical comparisons; utilizing reasoning about contextualization, causation, and continuity and change over time; and developing historical arguments. The course also provides seven themes that students explore throughout the course in order to make connections among historical developments in different times and places: American and national identity; migration and settlement; politics and power; work, exchange, and technology; America in the world, geography and the environment; and culture and society. Students will be required to manage their time to handle outside reading assignments, as well as participate in class discussions. Students are strongly encouraged to take the AP test in May, for which they may earn college credit.

**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**U.S. History**  
Course # 450809-1  
Grade Level: 11  
Credit: 1  
Prerequisite: World Civ. or AP European History

United States History will emphasize the history of the U.S. from the colonies to the present day. This course will analyze topics such as the United States’ role as a world power, investigation of the industrial revolution, and cultural advances of the U.S.

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**History Electives:**

**Contemporary U.S. History** (formerly American Pop Culture)  
Course # 450878-1  
Grade Level: 10-12  
Credit: .5  
Prerequisite: Human and Physical Geography or AP Human Geography

This course will study America’s involvement in conflicts, beginning with the aftermath of World War II, and will cover the Korean War, Vietnam, through the Persian Gulf War and the War on Terror. In studying the conflicts, emphasis will be placed on foreign policy, military strategy, and the history behind these wars. This class will use group discussions and projects, personal research, and film to cover this material. Students will leave the class having a better understanding of how and why conflicts have shaped America’s history.

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**AP Psychology** *(AP Weighted)*  
Course # 459902-1  
Grade Level: 11-12  
Credit: 1  
Recommended: A/B in Biology or last Science course/Honors English

The purpose of this college level course is to introduce students to a more in-depth systematic and scientific study of the behavior and mental processes of human beings. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major sub fields within psychology. Students also learn about the methods psychologists use in their science and practice. The aim of the A.P. course is to provide the student with a learning experience equivalent to that obtained in most college introductory courses, and to prepare them for the AP test given in May from which students may earn college level credit.

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**Psychology**  
Course # 459901-1  
Grade Level: 11-12  
Credit: 1

This course introduces Psychology as the study of human behavior and mental processes. The topics addressed include the following: psychology’s philosophical origins, the workings of the mind and body, human development, state of consciousness, sensation and perception, learning and the cognitive process, thinking and language, motivation and emotions. This course also focuses on defining abnormal behavior and its basic issues to introduce psychological disorders. Students will gain an understanding of anxiety disorders, mood disorders, personality disorders and more. These topics will be explored through personal surveys and questionnaires, videos, class demonstrations and more. Students will gain a basic understanding of psychology for future study and/or personal interest.

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**AP US Government & Politics** *(AP Weighted)*  
Course #451030-1  
Grade Level: 12  
Credit: 1  
Prerequisite: US History

This course is an intensive study of the formal and informal structures of the government and the processes of the American political systems, with an emphasis on policy-making and implementation. This course includes both the study of general concepts used to interpret U.S. government and politics and the analysis of specific examples. It also requires familiarity with the various institutions, groups, beliefs, and ideas that constitute U.S. government and politics. Students will become acquainted with the variety of theoretical perspectives and explanations for various behaviors and outcomes in government and politics. The concepts and specific topics examined in this course are those that may appear on the AP exam. Students may earn college credit.

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**Sports, Society, and Culture**  
Course #003001  
Grade: 9-12  
Credit: .5

This course will examine the history of sports and its relationship to economic, political and cultural forces that exist within society. This course will use the world of sports to understand American history and culture. We will answer questions like why diverse groups still struggle for equality in sports, what role does the media play in mainstream sports, and how wars have impacted sports in America. This will help to contextualize their knowledge of both sport and history and help them to better make connections between their lives, historical events, and the historical content they learn in their core courses.

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*Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.*
History Through Film
Course #003003
Grade: 9-12
Credit: .5

Students will study historical events and the films that portray them. Students will then compare and contrast the historical event and the film portrayal. Students will learn how bias and point of view effect how the story is told. Students will also look at the history of Hollywood and how the motion picture production industry has changed the landscape of how information is disseminated and how it affects public opinion.

Course # 459813-1
Grade Level: 9-12
Credit: 1*
Prerequisite: None

*(Can fulfill required Arts and Humanities credit)

This course does NOT meet NCAA eligibility requirements for core course credits.

This course focuses on the historical impact and literary style from texts of the New Testament era, including the Hebrew Scriptures. Topics may include historical background and events of the period, the customs and cultures of the peoples and societies, and the influence of the texts of law, history, government, literature, art, music, customs, values, culture and events, including recent and current events.
Cooper High School AP Credit Hours and Savings Opportunities*
*check individual school websites for details

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Cost Per Credit Hour
- AP U.S. History: $401
- AP U.S. Govt.: $370
- AP Euro. History: $314
- AP Human Geography: $465
- AP Psychology: $406

AP Savings
- AP U.S. History: $8,822
- AP U.S. Govt.: $7,308
- AP Euro. History: $6,660
- AP Human Geography: $13,485
- AP Psychology: $6,594

Credit Hrs. Earned
- AP U.S. History: 22
- AP U.S. Govt.: 18
- AP Euro. History: 18
- AP Human Geography: 21
- AP Psychology: 29

*Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.*
The Arts

Fine Arts Requirement

The courses in the Fine Arts Department provide the student with a variety of elective and required courses. These courses instruct in the areas of visual arts, instrumental and vocal music, foreign languages, dance and drama. Each student at Cooper will be required to complete an arts course for high school graduation. Components of Visual and Performing Arts will be embedded in world language, including Spanish, French and German, as well as World Civilization and PE 1. In addition to embedded components, students must earn a credit through one of the options below.

Each student at Cooper High School must earn one credit with a visual or performing arts component or a historical review of the arts. Several choices will allow students the freedom to pursue an area of particular interest in the arts and to also tailor their high school schedule to meet their overall needs.

Each student must complete one of the following in order to fulfill the Visual and Performing Arts graduation requirement.

A full-credit or combination of ½ credits, in one of the fine arts areas:

**Music:** Band – Full Year, Choir – Full Year, History of Rock and Roll

**Art:** Art I, Art II, Art III, AP Art, Photography, Visual Comm. Design, Ceramics, Drawing and Painting, HAVPA

**Drama:** Introduction to Theatre, Theatre: Acting/Performance

**Humanities:** Film Studies, 3rd and/or 4th year of World Language (each year = .5 credit), Hebrew Scriptures and the New Testament, Graphic Novels

**Dance:** Fundamentals of Dance

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**HAVPA Survey/Fine Arts**

Course # 500111-1  
Grade Level: 9-12  
Credit: 1

This course meets the History and Appreciation of Visual and Performing Arts requirement for graduation from high school. It is the study of the humanities through the arts (dance, drama, music, and visual art). Also, it addresses the structures, humanities, purposes, creative processes and interrelationships of the visual and performing arts.

**Comprehensive Visual Arts I (Modified – Grade Level) (formerly Visual Arts I)**

Course # 500711-1  
Grade Level: 9-12  
Credit: .5 (Visual and Performing Arts)

Fee: $15.00

This course is a project based class and is geared toward students who are considering a career in the visual arts. The course will provide studies in both two-dimensional (design, painting, printmaking) and three-dimensional (ceramics, sculpture) artistic media. Students will study basic art concepts, such as the elements and principles of design, compositional theories, color theory, perspective drawing, and proportion. Students will engage in art history, aesthetic, and art analysis activities.

**Drawing/Painting**

Course # 500712-1  
Grade Level: 9-12  
Credit: .5 (Visual and Performing Arts)

Prerequisite: Visual Art I

Fee: $15.00

Through the act of drawing we learn to see and interpret the world around us. This practical drawing course is designed to develop observational skills and a personal visual language to enable the analysis, interpretation and communication of visual ideas and experiences. The concepts that are covered in this course provide a foundation for drawing itself, and will also benefit other visual art disciplines. The course will cover a range of techniques and media and include still life, portraiture, landscape, architectural drawing, life drawing, and conceptual drawing. Media included are charcoal, pencil, ink, colored pencil, pastel, watercolor, and others. The primary goals are to learn to judge proportion and to depict those observations in drawings that demonstrate an understanding of depth, form and space. Verbal skills are developed through critique and class discussion.

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Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**Visual Art-Photography (Modified-Prerequisites)**

Course # 500611-1  
Grade: 9-12  
Credit: .5 (Visual and Performing Arts)  
Charge: $15.00  
Prerequisite: Visual Art I and Visual Communication Design

Students will learn fundamental photographic skills including digital capture, manipulation, and output. For the processing and enhancement of digital photographs, students will learn the basics of Adobe Photoshop and Adobe Lightroom. These digital skills and tools for the making of photographs will be taught within the context of the aesthetics of photography. *(Students must have their own digital cameras as a requirement for this course)*.

**Visual Communication Design**

Course # 500720-2  
Grade: 9-12  
Credit: .5 (Visual and Performing Arts)  
Charge: $15.00

This course introduces students to graphic design as a form of visual communication through the use of type, image, form, and color. Focus will be upon the study of design, layout, and conceptual elements. A variety of 2-dimensional media will be addressed including printmaking, drawing, and computer design software. Projects will include posters, photography, advertisements, and logos. Software knowledge and teaching will include Adobe Photoshop and Illustrator.

**Ceramics/Pottery**

Course # 500212-1  
Grade: 10-12  
Credit: .5 (Visual and Performing Arts)  
Charge: $15.00

Emphasis is upon students acquiring an understanding of the historical development of ceramics enabling them to identify outstanding ceramics of the past, basic ceramic art and ceramists from various countries; and several outstanding contemporary American ceramists. Other objectives are for students to master a working knowledge of clay preparation and handling, clay forming, decorating, glazing and firing. Students will learn and be able to adapt the essential building methods of pinch, coil, slab, and wheel throwing to create a range of projects in clay.

**Comprehensive Visual Art- Art Portfolio II (Modified-Grade Level)**

Course # 500714-2  
Grade Level: 9-11  
Credit: 1  
Charge: $15.00

This course is for students who desire to pursue art studies after high school. Students will create work that clearly demonstrates new technical skills, increasing conceptual thinking and reflecting their personal interests. Individual critiques and planned group activities will help each student achieve at a competitive level. This course provides students with the ability to begin to determine and produce artworks in their own specializations in art. Students will use the elements and principles, language, materials, and processes to produce various kinds of visual art at an accomplished level. Students will continue to develop their own creative styles. Students will continue to learn about the production of art, study of the structures, purposes, careers and art history. Emphasis is placed on creating, presenting, responding and connecting.

**Comprehensive Visual Arts III Honors (Honors Weighted)**

Course # 500711-3H  
Grade Level: 10-12  
Credit: 1  
Charge: $15.00

This course will provide the foundation for taking AP Studio Art. Students will develop a high-quality portfolio based on the AP Art & Design portfolio requirements. Students will be exposed to projects to help them select the 2-D Portfolio (graphic and digital art), Drawing Portfolio (fine art), or 3-D Portfolio (sculptural) for their senior year. Students will continue to develop their own creative styles. Students will continue to learn about the production of art, study of the structures, purposes, careers and art history. Emphasis is placed on creating, presenting, responding and connecting.

**AP Studio Art 2-D Design (AP Weighted)**

Course #500722-1  
Grade: 11-12  
Credit: 1  
Charge: $15

A college-level course designed for students who are seriously interested in exploring and expressing themselves through photography and digitally enhanced visual art. Students will learn about design, technique, media, criticism, aesthetics and art history in order to develop mastery in concept, composition and execution of their own artistic ideas.

**AP Studio Art 3-D Design (AP Weighted)**

Course #500723-1  
Grade: 11-12  
Credit: 1  
Charge: $15.00

A college-level course designed for students who are seriously interested in exploring and expressing themselves through three-dimensional visual art. Through the course, students will learn about design, technique, media, criticism, aesthetics and art history in order to develop mastery in concept, composition and execution of their own artistic ideas, accomplished through the lens of sculptural/three-dimensional work.

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*Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.*
Choral Music

Men’s Choir
Course # 500925-04 Grade Level: 9-12 Credit: 1

This course is designed for men in grades 9-12 who wish to participate in choir at Cooper. In a relaxed, no-stress environment, the men of Cooper will develop choral and vocal technique and music literacy through high quality choral repertoire from a variety of genres and gain experience in the thrill of performance. The Men’s Ensemble will participate in a number of performances throughout the year, both as a stand-alone group and coupled with the Advanced Women’s Ensemble. Grades will be based on daily rehearsal technique, theory lessons, quizzes, mandatory attendance at all performances and a final exam.

Treble Choir
Course # 500925-15 Grade Level: 9-12 Credit: 1

This is a beginning level choir intended as an introduction to choral singing at Cooper High School. Students will study music from a variety of time periods and cultures and will perform at least four concerts throughout the year. Students will develop vocal technique, sight reading, ensemble, and audition skills that will prepare them to move into the upper level choirs. ALL ladies who are freshmen or have not auditioned should sign up for this introductory course.

Women’s Ensemble I Honors (Honors Weighted)
Course # 500926-2H Prerequisite: audition

Grade Level: 10-12 Credit: 1

The Honors Women’s Choir is an advanced, auditioned choir open to 10th-12th grade ladies. Members will be chosen by audition for this course. Students will develop vocal technique, music reading ability, and aural skills through the preparation and performance of a variety of advanced music. Music theory, literature, history, appreciation, and vocal technique are taught at an advanced level. Grades will be based on daily rehearsal technique, theory lessons, quizzes, mandatory attendance at all performances, and a final exam.

Chamber Choir (Honors Weighted)
Course # 500925-11H Prerequisite: audition

Grade Level: 10-12 Credit: 1

This is an advanced, auditioned choir designed for 10th-12th grade students who have been in the choral program for at least one year. Members will be chosen by audition for participation in this group. In this course students will develop vocal technique, audition and music literacy at an advanced level. Performance opportunities will be numerous and will occur as a stand-alone group and coupled with the Men’s Ensemble. Grades will be based on daily rehearsal technique, theory lessons, quizzes, mandatory attendance at all performances, and a final exam.

AP Music Theory (AP Weighted)
Course # 500929-1 Prerequisite: At least one year in a performing ensemble at Cooper OR course instructor recommendation

Grade Level: 11-12 Credit: 1

AP Music Theory is an advanced level course designed to engage students in learning activities that will help them to achieve the outcomes assessed by the College Board’s Advanced Placement Music Theory Examination. The AP Music Theory course is designed to develop a student’s ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. These abilities will be developed through various listening, performance, written, creative, and analytical exercises. Although this course focuses on music of the Common Practice Period (1600-1900), materials and processes found in other styles and genres are also studied.

Instrumental Music

Music-General Band
Course # 500913-1 Prerequisite: Audition

Grade Level: 9-12 Credit: 1

This class involves music theory, music history, and the correlation of music to art. Students will perform on their instruments. Grades will be based on daily rehearsal technique, mandatory attendance at all performances, and periodic assessments including a final exam. Students must have the recommendation of their Middle School Director or may be admitted by audition only with the High School Band Director.

Wind Ensemble II Honors
Course # 500918-2H Prerequisite: Audition

Grade Level: 10-12 Credit: 1

This rigorous course involves music theory, music history, and the correlation of music to art. Students will perform on their instruments at a more advanced level. Grades will be based on daily rehearsal technique, mandatory attendance at all performances, and periodic assessments including a final exam. Enrollment in this ensemble is by audition only.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Percussion Ensemble
Course # 500921-2
Prerequisite: Audition
Grade: 9-12 Credit: 1

This course will offer students the opportunity to develop their skills in all areas of percussion including rudimental drumming, pitched and non-pitched concert percussion, and ethnic instruments. The students will perform various types of percussion ensemble literature as well as perform with the Concert Band and Wind Ensemble. Practice outside of the classroom is essential in order to be successful. Students must have the recommendation of their Middle School Director or may be admitted by audition only with the High School Band Director.

AP Music Theory (AP Weighted)
Course # 500929-1
Prerequisite: At least one year in a performing ensemble at Cooper OR course instructor recommendation
Grade Level: 11-12 Credit: 1

AP Music Theory is an advanced level course designed to engage students in learning activities that will help them to achieve the outcomes assessed by the College Board’s Advanced Placement Music Theory Examination. The AP Music Theory course is designed to develop a student's ability to recognize, understand, and describe the basic materials and processes of music that are heard or presented in a score. These abilities will be developed through various listening, performance, writing, research, and analytical exercises. Although this course focuses on music of the Common Practice Period (1600-1900), materials and processes found in other styles and genres are also studied.

History of Rock-N-Roll
Course # 500912-4
Grade Level: 9-12 Credit: .5 (Visual and Performing Arts)

This course explores the development of Rock-N-Roll from its Rhythm and Blues roots to its evolution throughout the second half of the 20th Century. Many styles of rock will be presented, discussed and analyzed. Students registering for this course must be open to performing these musical styles on instruments in the classroom as this will be an important component of the course.

Theatre

Introduction to Theatre
Course #500511-1
Prerequisite: None
Grade Level: 9-12 Credit: .5*

*(Can fulfill .5 required Arts and Humanities credit)

Theatre courses are intended to promote students’ experience and skill development in one or more aspects of theatrical production. Initial courses are introductory in nature, while more advanced courses focus on improving technique, expand students’ exposure to different types of theatrical techniques and traditions, and increasing their capacity to participate in public performances. Career opportunities will be addressed.

Theatre: Acting/Performance
Course # 500513-1
Prerequisite: Introduction to Theatre
Grade Level: 9-12 Credit: .5*

*(Can fulfill .5 required Arts and Humanities credit)

Theatre courses are intended to promote students’ experience and skill development in one or more aspects of theatrical production. Initial courses are introductory in nature, while more advanced courses focus on improving technique, expand students’ exposure to different types of theatrical techniques and traditions, and increasing their capacity to participate in public performances. Career opportunities will be addressed.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
All students who plan to attend a four year college are required to take at least two credits of the same world language to meet the precollege curriculum.

Before enrolling in a world language class, students must have earned a B average or higher in English or achieve junior status. This will assure the average English student of more confidence and greater success in world language study.

### French

**HS WL French I**  
Course # 160408-1  
Grade Level: 9-12  
Credit: 1  
Recommended: B average in English  

The beginning course of French integrates the five goals of the national standards—communication, cultures, connections, comparisons and communities. Students will engage in interpersonal, interpretive and presentational activities within cultural contexts. Students will also create products to demonstrate essential knowledge and skills in French.

**HS WL French II**  
Course # 160409-1  
Grade Level: 10-12  
Credit: 1  
Prerequisite: French I  

This is a continuation of the French 1 course. This course will continue to challenge and motivate the world language learner with opportunities to learn more about French culture. The content will shift from basic language patterns to more complex grammatical structures. The five ACTFL national standards (communication, cultures, connections, comparisons and communities) will be advanced in this course as well, with emphasis placed on oral and written proficiency.

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The following 2 courses are college credit bearing courses. In each class students can earn 3 college credit hours in addition to high school credit. Prerequisites established by NKU, placement test and acceptance into the program (through an application process) is required. Dual Enrollment fees apply.

**NKU French 101 (AP weighted) (Dual Enrollment)**  
Course # 160430-NKU  
Grade Level: 11-12  
Credit: 1  
Prerequisite: French II at RCHS and fulfillment of NKU Dual Enrollment requirements  

This class includes elementary French I basic principles; development of skills in reading, writing, pronunciation and conversation.

**NKU French 102 (AP weighted) (Dual Enrollment)**  
Course # 160411-NKU  
Grade Level: 11-12  
Credit: 1  
Prerequisite: NKU French 101 and additional prerequisites established by NKU  

This class is a continuation of basic language skills learned in NKU French 101.

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Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
German

**HS WL German I**
Course # 160508-1  
Grade Level: 9-12  
Recommended: B average in English recommended for success  
Credit: 1

The beginning course of German integrates the four language skills in reading, writing, listening, and speaking with the German culture to encourage the student to actively participate in simulated real-life situations. The goal of this course is to inspire the student to use the skills he/she acquires to participate in real communication from the outset.

**HS WL German II**
Course # 160509-1  
Grade Level: 10-12  
Prerequisite: German I  
Credit: 1

This is a continuation of the German I course. The content will shift from basic language patterns to complex structures. The five essential skills (vocabulary, speaking, listening, writing, and reading) for any language will be advanced in this course as well.

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The following 2 courses are college credit bearing courses. In each class students can earn 3 college credit hours in addition to high school credit. Prerequisites established by NKU, placement test and acceptance into the program (through an application process) is required. Dual Enrollment fees apply.

**NKU German 101 (AP weighted) (Dual Enrollment)**
Course # 002118-NKU101  
Grade Level: 11-12  
Prerequisite: German II at RCHS and fulfillment of NKU Dual Enrollment requirements  
Credit: 1

This class includes elementary German I basic principles; development of skills in reading, writing, pronunciation and conversation.

**NKU German 102 (AP weighted) (Dual Enrollment)**
Course # 002118-NKU102  
Grade Level: 11-12  
Prerequisite: NKU German 101, Junior Status, additional prerequisites established by NKU  
Credit: 1

This class is a continuation of basic language skills learned in NKU German 101.

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Spanish

**HS WL Spanish I**
Course # 161108-1  
Grade Level: 9-12  
Recommended: B average in English  
Credit: 1

The beginning course of Spanish integrates the five goals of the national standards—communication, cultures, connections, comparisons and communities. Students will engage in interpersonal, interpretive and presentational activities within cultural contexts. Students will also create products to demonstrate essential knowledge and skills in Spanish.

**HS WL Spanish II**
Course # 161109-1  
Grade Level: 9-12  
Prerequisite: Spanish I  
Credit: 1

This course continues to challenge and motivate the foreign language learner with opportunities to learn more about Hispanic culture, and make connections to other subject areas. In addition, students will acquire a deeper understanding of the language and be able to better express one's self in the target language. The emphasis will be on authentic written and oral proficiency.

**HS WL Spanish II Honors (Honors Weighted)**
Course # 161109-H  
Grade level: 9-12  
Prerequisite: B avg. or higher in Spanish I recommended for success  
Credit: 1

This course is similar to Spanish 2 but moves at a much faster pace with an emphasis on proficiency in speaking and listening. This course will be taught according to the Pre-AP curriculum and is recommended for students planning to continue their study of Spanish.

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Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
HS WL Spanish III Honors (Honors Weighted)
Course # 161110-H Grade Level: 10-12 Credit: 1
Prerequisite: B average or higher in Spanish II recommended for success
This course is an extension of the Spanish 2 course at a much more in depth level. Advanced grammar and verb tenses are emphasized as well as Hispanic History and Culture. Heavy emphasis is placed on communication in the target language through the three modes of communication: Interpretive, Interpersonal and Presentational.

HS WL Spanish IV Honors (Honors Weighted)
Course # 161111-H Grade Level: 11-12 Credit: 1
Prerequisite: B avg. or higher in Spanish III recommended for success
This class will further develop students’ listening, reading, writing, and speaking skills and will prepare students to take Spanish in college. Significant emphasis will be place upon refining these skills in a culturally appropriate content.

The following 4 courses are college credit bearing courses. In each class students can earn 3 college credit hours in addition to high school credit. Prerequisites established by NKU, placement test and acceptance into the program (through an application process) is required. Dual Enrollment fees apply.

NKU Spanish 101 (AP weighted) (Dual Enrollment)
Course # 002153 Grade Level: 11-12 Credit: 1
Prerequisite: Spanish II at RCHS and fulfillment of NKU Dual Enrollment requirements
This class is a review and extension of basic language skills learned in Spanish 1 and 2 at Cooper. Emphasis will be placed on the development of skills in conversation, pronunciation, grammar, reading, and writing.

NKU Spanish 102 (AP weighted) (Dual Enrollment)
Course # 002154 Grade Level: 11-12 Credit: 1
Prerequisite: Spanish 101; additional prerequisites established by NKU
This class is a continuation of basic language skills learned in Spanish 101. Additional emphasis will be placed on the development of skills in conversation, pronunciation, grammar, reading, and writing.

NKU Spanish 201 (AP Weighted) (Dual Enrollment)
Course #002111 Grade Level: 11-12 Credit: 1
Prerequisite: Spanish III H or Spanish 102; additional prerequisites established by NKU
This class is a review and extension of basic language skills learned in Spanish I, II and III at Cooper. Emphasis on reading and discussion of cultural, linguistic and literary subjects will be stressed.

NKU Spanish 202 (AP Weighted) (Dual Enrollment)
Course #002112 Grade Level: 11-12 Credit: 1
Prerequisite: Spanish 201; additional prerequisites established by NKU
This is a continuation of grammar review and enhancement of language skills learned in Spanish 201. Additional emphasis will be placed on cultural and literary subjects.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
### Cooper High School AP Credit Hours and Savings Opportunities

<table>
<thead>
<tr>
<th>AP Class</th>
<th>Score</th>
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### Morehead State University

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**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
### Health Education I

**Course #** 340133-3  
**Grade Level:** Primarily 9th  
**Credit:** .5  
This course emphasizes the use of health values in decision making. The course content includes, but is not limited to alcoholism, drug abuse, personal hygiene, accident prevention, family living, sex education, environmental health, nutrition, and consumer health. This course will cover the state curriculum of practical living.

### Physical Education I

**Course #** 340216-1  
**Grade Level:** Primarily 9th  
**Credit:** .5  
A variety of activities will be utilized in stressing the development of components of physical fitness. Basic skills, strategies, teamwork and general knowledge of team sports will also be included. Activities will include but not limited to weight training, speed ball, pickle ball, dance, basketball, soccer, and volleyball. Students will learn elements of dance and experience fundamental principles of movement.

### Physical Education II

**Course #** 340219-1  
**Prerequisite:** Physical Education I  
**Grade Level:** 10-12  
**Credit:** .5  
This program is structured for students who are interested in the fundamentals of team and individual/dual sports. Physical fitness will be stressed through warm-up exercises, physical and written testing, and strength training (free weights). This is an advanced physical education class, so students should be knowledgeable in skills and concepts of PE I.

### Advanced Physical Education

**Course #** 340219-2  
**Prerequisite:** Physical Education II  
**Grade Level:** 10-12  
**Credit:** .5  
The emphasis is on the progression of skill level and knowledge of rules, terms, strategies of games, and participant sports. Instruction is given in organized competition in team, individual and dual sports. Physical fitness work and physical and written testing are included.

### Wellness

**Course #** 340133-4  
**Prerequisite:** Health  
**Grade Level:** 10-12  
**Credit:** .5  
The first part of this course will provide students the opportunity to gain skills that may one day save a life. Students will be instructed using the American Red Cross curriculum for training in Adult, Child and Infant CPR, and First Aid. Successful completion of the course may result in an American Red Cross certification if students decide to pursue certification at their own cost. The course will also cover making healthy decisions regarding lifestyle behaviors. Students will be presented with wellness information (multidimensional) that will help students prepare for co-op, job interviews, the workplace and the building of healthy lifelong relationships.

### Fundamentals of Dance

**Course #** 500311-2  
**Credit:** .5 (Visual and Performing Arts)  
Dance Foundations is an introductory class that is designed to provide dance experiences that lead to knowledge and performance of fundamental principles of movement in folk, square dance, social dance, aerobic dance, ballet, jazz, creative movement, and choreography. Students will become literate in dance, rhythmically moving with proper body mechanics through space and time with focused and directed energy. The importance of maintaining a healthy lifestyle and physically fit body will be stressed throughout this course.

### Aerobics

**Course #** 340215-1  
**Prerequisite:** PE I  
**Grade Level:** 10-12  
**Credit:** .5  
This course is designed to give students the opportunity to learn aerobic dance routines and training techniques used for achieving optimal physical fitness. Students will benefit from comprehensive strength training and cardio-respiratory endurance activities. Students will learn basic aerobic steps as well as simple and complex aerobic dance combinations. Course includes both lecture and activity sessions.

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**Attention Students:** Check Cooper’s website for summer assignments required in some classes. **Schedule changes will not be made.**
**Gross Motor Development (Modified - Application)** (by application only)

Course # 909999-GMD  
Grade Level: 9-12  
Credit: 1

This Physical Education course collaborates with the Special Education Department. The mission of this course is to establish a relationship between general education students and students with multiple disabilities (cognitive or physical), while working along-side a physical education teacher, special education teacher, and paraprofessionals to improve and enhance the motor skills of students with disabilities. These skills include: running, catching, kicking, throwing, jumping, etc. Students who may be interested in a career in education, special education, physical therapy, occupational therapy, the medical field or any mentor profession may be interested in this course.

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**Gross Motor Development 2 (New)** (by application only)

Course # 909999-GMD2  
Grade Level: 11-12  
Credit: 1

This elective course works in collaboration with the Gross Motor Development course. The mission of this course is for students to assess, plan, and reflect on the growth and development of students with disabilities.
The Career and Technical Education Department is comprised of the following departments: agricultural science, business education, engineering education, family and consumer science, and information technology education. **Randall K. Cooper High School graduates are required to have a minimum of one career and technical credit.** Students will learn skills that will enable them to transition from high school to college AND from high school to the workplace.

During a student’s senior year the CTE Department offers a Senior Internship option for qualified students. An internship is a work-based learning program for high school students who have completed extensive school based preparation relating to an identified area of career and academic interest. These internships give students opportunities to explore careers via the workplace. They have the opportunity to learn about the world of work and to develop useful skills and attitudes, workplace skills, and academic competencies needed to be successful.

**Career and Technical Education (CTE) Internships**

Please use the following course codes depending on the Career Pathway/Career Major of choice:

**Agriculture Education Internship**
Course # 030791

**Business Education Internship**
Course # 060108

**Marketing Education Internship**
Course # 080708

**Culinary Arts Internship**
Course # 200478

**Fashion & Interior Design Internship**
Course # 200801

**Engineering and Engineering Technology Internship**
Course # 210331

**Information Technology Internship**
Course # 110919

**Senior Internship** (used only for students not meeting career pathway status)
Course # 909999-3

**Grade Level:** 12 by application only

**Credit(s):** 1-2

**Prerequisites:** 1. Student has completed or is currently enrolled in one CTE course aligned with their Career Pathway/Career Major and it matches the internship field, 2. Student completes an interview with business and industry professional in their CTE Pathway/Career Major, 3. Student has good attendance and discipline, and 4. Student must be able to drive and have proof of car insurance.

The following description applies to all CTE Internships at Cooper High School:

This class will provide senior students with an opportunity to investigate possible career options in their CTE Pathway/Career Major. Students will spend time at a non-paid worksite (depending on career major). Student must be placed in a field aligned with their career pathway choice in accordance with the recommended Capstone Course. This cannot be the only CTE class the student has taken, it can be taken in the same year with another CTE class in the selected pathway. Class activities may include – but are not limited to – completing employment credentials, maintaining a work log, developing effective communications skills, using technology in the workplace, discussing/applying good work ethics and appropriate attire for the workplace, etc.

This course can only be requested as an alternate on scheduling contract.

*Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.*
Agriculture

Agriculture Education is designed to provide career exploration, orientation, and preparation for any student who has an interest in any aspect of agriculture, horticulture, or the environment. The program is open to all students regardless of background or prior experience in the field. The only requirement for enrollment is an interest in the subject area. Though it has changed dramatically, agriculture and its related industries still comprise over 22% of America’s workforce.

The National FFA Organization is the agriculture student organization offering all students the opportunity to develop leadership skills and self-confidence. Students in FFA are required to be enrolled in an agriculture class or program of study. FFA offers its members the chance to participate in competitions on the local, regional, state, and national levels, many field trips, leadership camps, conferences, as well as organized recreational activities.

AGRICULTURE EDUCATION CAREER MAJORS
TAKE AG CLASSES – EARN COLLEGE CREDIT

<table>
<thead>
<tr>
<th>Horticulture &amp; Plant Science Systems</th>
<th>Animal Science Systems</th>
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<tbody>
<tr>
<td><strong>Recommended Courses</strong></td>
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<tr>
<td>Agri-Biology</td>
<td>Agri-Biology</td>
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<tr>
<td>Floriculture/Floral Design</td>
<td>Small Animal Technology</td>
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<td>Greenhouse Technology</td>
<td>Animal Science</td>
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<tr>
<td>Landscaping/Turf Mgmt</td>
<td>Equine Science</td>
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<td>Veterinary Science</td>
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</table>

Students who complete a career major within agriculture by taking at least 4 full agriculture credits (3 credits within an approved career area/major) can earn 3 hours of college credit to any of the five major public universities in Kentucky by passing the Career and Technical Education end of program assessment (CTE EOP assessment) during the spring of their senior year. Even though you may not want to complete a career major, feel free to explore different class offerings in the agriculture department.

At least 3 of the 4 courses used to earn the career major should come from this group of courses. See the suggested sequencing in the back of the CTE section.

**Principles of Ag. Science and Tech.**
Course # 030715-1
Prerequisite: None
Fee: $10.00
Career Area: All

Grade Level: 9-10
Credit: 1

This course provides instruction in the foundations of the various segments of the agricultural industry. Agricultural career opportunities will be emphasized. Animal science, plant and land science, and agricultural mechanics skills will be the focus of the curriculum. The selection and planning of a supervised agricultural experience program and related record keeping will be presented. Leadership development will be provided through FFA. Students will receive personal guidance and counseling with preparatory instructional program selection. **This course is recommended for all agriculture career pathways.**

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Attention Students: Check Cooper's website for summer assignments required in some classes. Schedule changes will not be made.

Agri-Biology
Course # 030713
Grade Level: 10
Credit: 1
Prerequisite: None
Fee: $15.00
Career Area: Animal Systems, Plant Systems

This course does NOT meet NCAA eligibility requirements for Science.

For students who took Principles of Ag. Science and Tech. during the freshman year, Agri-Biology will be your next Science course. Agri-Biology is a one-credit interdisciplinary course that meets the "life science requirement" for science credit. Agri-Biology uses agricultural context to present the required life science content for assessment, as outlined in the Program of Studies. As students study practical agricultural concepts, they apply scientific ways of thinking and working to real-life problems. The agriculture teacher and science teacher work together in planning and evaluating the course.

This course may count as one of the three required credits in Science for high school graduation.

Animal Science
Course # 020501-1
Grade Level: 10 or by teacher approval
Credit: 1
Prerequisite: Principles of Agriculture preferred
Fee: $0
Career Area: Animal Systems

Animal Science develops basic knowledge and skills pertaining to livestock identification, selection, nutrition, reproduction and genetics, health management, and marketing of farm animals commonly produced in Kentucky. The latest production technologies, as well as bio technological applications will be included. Leadership development will be provided through FFA. Each student will be expected to have a supervised agricultural experience program. This course is recommended for the Animal Science Pathway.

Floriculture and Floral Design
Course # 010621-1
Grade Level: 10-12
Credit: .5
Prerequisite: Principles of Agriculture preferred
Fee: $15.00
Career Area: Plant Systems

Floriculture and floral design provides instruction to develop floral design techniques using silk, dried, and fresh flowers. Students will learn operation and management techniques of a florist business as well as identification, production and cultural maintenance practices of plants used in floral design and interior landscaping. This course is recommended for the Horticulture and Plant Systems Career Pathway.

Greenhouse Technology
Course # 010641-1
Grade Level: 10-12
Credit: 1
Prerequisite: Principles of Agriculture preferred
Fee: $15.00
Career Area: Plant Systems

This course provides instruction in greenhouse structures and greenhouse environment regulations. Plant growth and development and propagation are included as well as production and maintenance of bedding and container produced plants. Fundamental principles of vegetable production and commercial production of vegetable crops as well as marketing of horticulture products will be included. This course is recommended for the Horticulture and Plant Systems Career Pathway.

Landscaping and Turf Management (Fall)
Course # 010631-1
Grade Level: 10-12
Credit: .5
Prerequisite: Principles of Agriculture preferred
Fee: $10.00 each course fall & spring
Career Area: Plant Systems

These courses combine landscaping and turf management curriculum. The material includes identification of landscape plants and their characteristics, site evaluation, site design, calculation of materials needed, costs for bidding, and installing landscape plans. Landscape plant maintenance will also be presented. Selection, culture and management of turf species used for lawns, golf courses, athletic fields and erosion control may also be included. Content may be enhanced by utilizing appropriate technology. Leadership development will be provided through FFA. Sign up for both fall and spring courses to receive a full credit in Horticulture. This course is recommended for the Horticulture and Plant Systems Career Pathway.
Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.

<table>
<thead>
<tr>
<th>Course</th>
<th>Grade Level</th>
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<tbody>
<tr>
<td>Landscaping and Turf Management II (Spring)</td>
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<tr>
<td>Small Animal Science &amp; Technology</td>
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<td>Veterinary Science</td>
<td>11-12</td>
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<tr>
<td>Environmental Science (New)</td>
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<tr>
<td>Dual Enrollment Course</td>
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Business

As technology advances, it is crucial that Cooper students know and understand the many software programs they will use in college and/or the workplace. With our curriculum, students are offered the opportunity to have hands-on experience in word processing, database, spreadsheets, programming, graphics, video production, and presentation software.

Classes in this program provide students the opportunity to learn many valuable skills which will increase their marketability as they enter college and/or the workplace. In addition, many colleges and universities count Microsoft Certified Office Specialist Certifications for college credit. We offer a preparation class and testing through our curriculum.

The majority of current and future jobs require some level of technical skills; therefore, students need to participate in career and technical education while in school. Students may receive a specialized certification if they complete four classes in one major. These sequences are for certification only. Students choosing not to complete a career pathway sequence may choose to take a variety of business and technology courses. Below is a list of the business/technology career pathways. Students who complete any of these career pathways will be required to participate in the Kentucky Occupational Skill Standards Assessment (CTE EOP ASSESSMENT). The successful completion of this assessment is recognized by colleges/universities, business and industry as certifications in these fields.

Any student who enrolls in a business or information technology class has the opportunity to join FBLA (Future Business Leaders of America). This is a co-curricular organization that provides students with an opportunity to develop leadership skills. Our chapter participates in several community service activities and competitions. We encourage all students to get involved.

<table>
<thead>
<tr>
<th>BUSINESS/MARKETING PATHWAYS</th>
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<tbody>
<tr>
<td>Administrative Support</td>
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<tr>
<td>Recommended Courses</td>
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<tr>
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<td>Electives</td>
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<td>MOS</td>
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<td>Business/Marketing Internship</td>
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Accounting and Finance Foundation
Course # 060122-1  
Grade Level: 10-12  
Credit: 1  
Recommended: Algebra II  
Fee: $30 cost of workbook

Students who plan on pursuing any degree in the business finance, accounting, or a leadership field should take this course in high school. This class will prepare students who plan on operating their own business, working in the banking field or preparing taxes. College level accounting is a strenuous course. Mastering fundamentals in high school will help students become successful in the college world. This course gives students an introduction to the accounting cycle through journalizing business transactions and following the necessary steps in creating financial statements. Students will use automated accounting and on-line activities to enhance concepts. These skills will prepare students for the workplace, continuing into post-secondary education, and providing students a solid foundation in life skills. Leadership development is provided through FBLA. This course is recommended for the career pathways of Administrative Support and Marketing.

Marketing Principles
Course #080716-1  
Grade: 9-12  
Credit: 1

This course provides a basic foundation for further study in marketing. Students study economic functions at work in the marketplace; marketing functions including purchasing, pricing, and distribution functions. This course is based on the business and marketing core that includes communication skills, economics, financial analysis, and promotion. Both marketing and employment skills learned will improve and increase the student’s college and career readiness. This course is recommended for the career path of Administrative Support, E-Commerce and Marketing.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Marketing Applications

Course #080717-1  Grade Level: 10-12  Credit: 1
Prerequisite: Marketing Principles

This course is designed to enhance marketing skills developed in the marketing prerequisite courses and to learn advanced marketing skills in such areas as advertising, customer service, supervision, and employee/employer relations for a wide range of marketing careers. This course is based on the business and marketing core that includes communication skills, emotional intelligence, economics, marketing, operations, promotion, marketing-information management and financial analysis. This course is recommended for the career pathway of E-Commerce and Marketing.

Advanced Multimedia Publishing Honors (Honors Weighted) Cooper NOW Media Team- Admittance per Application (Formerly Promotional Apps and Media)
Course: #060761-H  Grade Level: 10-12  Credit: 1*
Suggested Prerequisite: Digital Literacy with an A average OR Principles of Marketing
(Student is required to complete an application and get teacher recommendation)

*(can be repeated for credit as Business Ed. Internship)

This course is designed to provide students with hands-on experience of running a school-based industry simulated experience. Students will actively plan, write, and perform stages of video production. Students will contribute as a team member, as they perform all functions of broadcasting procedures to produce a monthly variety program and any requests from community or staff. In addition, student will apply basic fundamentals of advertising using digital, social and print media. In addition, students will explore use of multimedia in website creation. Outside work is required for events that occur outside normal school hours. This course is based on the business and marketing core that includes communication skills, product/service management and promotion (a school-based enterprise). Leadership development will be provided through STLP. Class size is limited due to space limitations and requires an approved application, teacher recommendations, and 2.5 GPA. This course is recommended for the career pathways of E-Commerce and Marketing.

Students wishing to repeat this course will still fill out a Cooper Now application. Scheduled course will be Marketing Internship.

Introduction to Management
Course # 060411-1  Grade Level: 11-12  Credit: 1

This course emphasizes the skills needed for managing a business that involves the selection and supervision of employees including efficient use of time, personnel, facilities, and financial resources. Students will explore forms of business ownership; typical business organizational structure; product or service promotion in business; effective communications; human relations skills required in dealing with employees; and effective management strategies used in personnel, finance, production, marketing, and information processing. Leadership development will be provided through FBLA. This course is recommended for the career pathway of Administrative Support.

Digital Literacy
Course #060112-1  Grade Level: 9-12  Credit: 1
Prerequisite: Students must have basic keyboarding skills

This course is highly recommended for ALL students. This course will place an emphasis on creating/formatting documents. This is an essential skill for students interested in a business career, pursuing college or personal use. Course content will also include understanding of hardware, software, and operating systems. Students will develop competency in programs such as Microsoft Word, PowerPoint, Excel, Access, and Publisher as they complete units of study in word processing, presentation, database and spreadsheets. Internet research is incorporated into the course, as well as basic business concepts with an emphasis on computer terminology/functions and career/employment opportunities. This course is a prerequisite for other technology courses including the Microsoft Office (MOS) course where students gain Microsoft Certification, Web design, Multimedia Publishing in which students earn Adobe Certified Associate certification. This course is recommended for the career pathways of Administrative Support, E-Commerce, Marketing, and Computer Science.

Micro Office Honors (MOS/MCAS) (Modified) (Honors Weighted)
Course #070750-H  Grade Level: 9-12  Credit: 1
Prerequisite: B average or higher in Digital Literacy
Fee: $25 per Microsoft exam

As an extension of Digital Literacy class, students will have the opportunity to increase their computer skills and become Microsoft Certified; advanced functions and integration of Microsoft Word, Excel, Access, and PowerPoint will be taught. Students will work toward MCAS Certification in one or more of these Microsoft areas. In addition, students will utilize Internet access to complete various projects. In today’s work environment, it is a necessity that students acquire strong computer skills. With the in-depth knowledge learned in this course, students will possess varied marketable skills. Students earning MCAS certification(s) may be eligible for college credits at many colleges/universities and possess qualities for entry level workplace positions. Students will be given ample opportunity to practice test taking skills and sample tests before they take the Microsoft exam. These exams can be taken during college for a fee of $90 or in class for a fee of $25. Many college classes require certification. For example, UK’s 2nd year accounting course requires Excel certification for entrance into class. Careers also may require certification. This course is recommended for the career pathway of Administrative Support.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Retail Marketing (School Store)
Course # 081411-1  Grade Level: 11-12  Credit: 1*
Prerequisite: Job application to be completed before scheduling and teacher recommendation
*(can be repeated as Marketing Internship)

This course is designed to provide an overview of the marketing responsibilities of individuals employed in the retail industry. This course is based on the business and marketing core that includes communication skills, operations, distribution, marketing-information management, pricing, product/service management, promotion and selling. This course provides students with realistic experience in a retail environment including use of an automated inventory and point of sales. Students receive hands-on training by working in the school spirit store, The Great RC, during 4th period class. In addition, students may complete special assignments in the study of consumerism, supply and demand, retail markup, profit percentages, inventory management, and purchasing. Students must be willing to follow a “work schedule” which includes selling school spirit store items at after school events. Leadership development will be provided through FBLA. **This course is recommended for the career pathways of E-Commerce and Marketing.**

Students wishing to repeat this course will still fill out a Cooper Now application. Scheduled course will be Marketing Internship.

Sports & Event Marketing
Course # 081121-1  Grade Level: 11-12  Credit: 1
Prerequisite: Marketing Applications

In this course, you will gain knowledge in one of the most rapidly expanding fields of management and marketing in today’s job market. The general principles of management and marketing will be presented in connection with the popular fields of the sports and entertainment industry. Sample topics discussed include sponsorships, licensing, endorsements, internships and promotions. This course will explore the intriguing world of sports and entertainment from the management and marketing perspective. This is a rapidly growing major offered by many universities. **This course is recommended for the career pathway of Marketing.**

OTHER COURSES

The following courses do not meet the CTE requirement for Cooper High School.

Office Assistant (this course does not meet the CTE graduation requirement)
Course # 909020-1  Grade Level: 12 only*  Credit: .5
Prerequisite: Application and Interview
*(can only be requested as an alternate course on scheduling contract)

Students will be trained to work in a professional environment within the school setting. Work assignments may include getting students from classrooms, taking detention notices to students, answering phone calls and taking messages, filling /making file folders, operating all office equipment as needed, and working with administrators and staff. Students are required to maintain confidentiality at all times. Students must also be a positive role model to all students (cannot be a discipline problem), maintain passing grades in all subjects, maintain good attendance (including minimal tardies), and may write a portfolio piece assigned by the administrator. **To be eligible, students must submit an application and will have an interview.** Also, students may not have failed more than one class during their high school career. Students may not take Peer Tutoring or Library Assistant in the same semester.

Peer Tutoring (this course does not meet the CTE graduation requirement)
Course # 906010-2  Grade Level: 12  Credit: .5
Prerequisite: Must complete application, interview with instructor, be in good standing and with excellent attendance. (Can only be requested as an alternate on the scheduling contract)

Peer Tutoring is open to seniors only. Students taking this course will work directly with students having special needs to accomplish academic goals. The following subject areas are available: Autism, Multiple Disabilities, math and science. Students in Peer Tutoring may not take Office Aid or Library Assistant in the same semester.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**Engineering**

Engineering and Technology at the high school level is a broad based program addressing many aspects of our technologically dependent society through various contexts. Instructional activities provide students with knowledge and skills concerning the function and operation of various technological devices. The High School Engineering and Technology program also immerses the student in decisions concerning technology, analyzing the impacts and assessing various technological issues. These educational goals can be accomplished through a variety of means, including, but not limited to research and presentations, discussions, and field experiences. The design, construction, and testing of various projects using a variety of contexts is imperative for success in an engineering and technology program.

Project Lead the Way provides a comprehensive approach to STEM Education. Through activity-, project-, and problem-based curriculum, PLTW gives students in high school a chance to apply what they know, identify problems, find unique solutions, and lead their own learning.

**PLTW Engineering** is more than just another high school engineering program. It is about applying engineering, science, math, and technology to solve complex, open-ended problems in a real-world context. Students focus on the process of defining and solving a problem, not on getting the "right" answer. They learn how to apply STEM knowledge, skills, and habits of mind to make the world a better place through innovation.

<table>
<thead>
<tr>
<th>PLTW Engineering Pathway</th>
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<tbody>
<tr>
<td><strong>Recommended Courses</strong></td>
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<tr>
<td>Introduction to Engineering Design</td>
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<tr>
<td>Principles of Engineering</td>
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<tr>
<td><strong>Electives</strong></td>
</tr>
<tr>
<td>Civil Engineering and Architecture</td>
</tr>
<tr>
<td>Computer Integrated Manufacturing</td>
</tr>
<tr>
<td>AP Computer Science Principles</td>
</tr>
</tbody>
</table>

**Introduction to Engineering Design** *(Honors weighted)*

Course #219901-1  
Grade Level: 9-10  
Credit: 1

Recommended: A or B in Math or Science

This course does NOT meet NCAA eligibility requirements for Math.

This course is designed for the student interested in an engineering related field of study. It is a fast-paced, challenging course that focuses on learning how to take an idea through an engineering design process. Students will be exposed to various communication methods, teamwork, research and analysis and applications of math & science. Through activity- and problem-based projects, students learn about applying engineering standards, sketching to communicate ideas and technical documentation. They work both individually and in teams to design solutions to a variety of problems using industry standard 3D modeling software. This course uses the Introduction to Engineering Design course curriculum from Project Lead the Way.

This course requires solid time management skills.

**ELECTIVE MATH CREDIT:** Students may use this course as a math elective for their SENIOR year only if they have met Benchmark (19 or greater on the ACT).
**Principles of Engineering (Honors weighted)**
Course # 219902-1  Grade: 10-12  Credit: 1
Recommended: A or B in Math or Science

This course does NOT meet NCAA eligibility requirements for Math.

Through problems that engage and challenge, students explore a broad range of engineering topics including mechanisms, the strength of structures and materials, automation, robotics and programming. Students develop skills in problem solving, research, and design while learning strategies for design process documentation, collaboration and presentation. **This course uses the Principles of Engineering course curriculum from Project Lead the Way.**

This course requires solid team skills.

**ELECTIVE MATH CREDIT:** Students may use this course as a math elective for their SENIOR year only if they have met Benchmark (19 or greater on the ACT).

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**Civil Engineering and Architecture (Honors weighted)**
Course #219905-1  Grade: 11-12  Credit: 1
Prerequisite: Engineering Design I Honors and Principles of Engineering or approval of teacher

This course does NOT meet NCAA eligibility requirements for Math.

Students learn important aspects of building and site design and development. They apply math, science, and standard engineering practices to design both residential and commercial projects and document their work using 3-D architectural design software.

**ELECTIVE MATH CREDIT:** Students may use this course as a math elective for their SENIOR year only if they have met Benchmark (19 or greater on the ACT).

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**Computer Integrated Manufacturing (Honors Weighted)**
Course # 219904  Grade: 11-12  Credit: 1
Prerequisite: Engineering Design I Honors and Engineering Applications or approval of teacher

This course does NOT meet NCAA eligibility requirements for Math.

The course explores manufacturing history, individual processes, systems, and careers. In addition to technical concepts, the course incorporates finance, ethics, and engineering design. This reflects an integrated approach that leading manufacturers have adopted to improve safety, quality, and efficiency. CIM is one of the specialization courses in the Project Lead the Way high school engineering program. The course applies and concurrently develops secondary-level knowledge and skills in mathematics, science, and technology.

**ELECTIVE MATH CREDIT:** Students may use this course as a math elective for their SENIOR year only if they have met Benchmark (19 or greater on the ACT).
Family and Consumer Sciences

Family and Consumer Sciences Education prepares students for family life, careers, and community service. Opportunities are provided to develop knowledge and skills that focus on career majors/clusters. These include Fashion and Interior Design, Child Development, and Consumer and Family Management.

Family, Career, and Community Leaders of America (FCCLA) is the official student organization for Family and Consumer Science students and is an integral part of the instructional program. Students are encouraged to join the local chapter and fully benefit from the citizenship training, personal achievement, and leadership development at the local, regional and state levels. Dues are $15.00 per year.

Below is a list of career pathways for which students may receive specialized certification. It is recommended that students take a variety of FACS courses within the cluster. Students choosing not to complete a cluster sequence may choose to take a variety of Family and Consumer Science courses. Students the 3rd class in a Career pathway will be required to take the Career and Technical Education end of program assessment (CTE EOP) during the spring of their junior/senior year.

<table>
<thead>
<tr>
<th>Family &amp; Consumer Sciences Career Pathways</th>
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</thead>
<tbody>
<tr>
<td>Culinary &amp; Food Services</td>
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<tr>
<td>Fashion &amp; Interior Design</td>
</tr>
<tr>
<td>Recommended Courses</td>
</tr>
<tr>
<td>FACS Essentials</td>
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<tr>
<td>Foods &amp; Nutrition</td>
</tr>
<tr>
<td>Culinary I</td>
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<tr>
<td>Elective Courses</td>
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<tr>
<td>Culinary II</td>
</tr>
<tr>
<td>Elective Courses</td>
</tr>
<tr>
<td>Culinary Arts I</td>
</tr>
<tr>
<td>Course #200411-1</td>
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<tr>
<td>Grade Level: 11-12</td>
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<tr>
<td>Credit: 1</td>
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<tr>
<td>Prerequisite: Food &amp; Nutrition</td>
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</tbody>
</table>

This advanced course allows students to increase competencies in a variety of food preparation techniques. Emphasis will be placed on food presentation, garnishing, menus planning and the skills necessary to prepare for a career in the culinary arts profession. Leadership development will be provided through the Family, Career and Community Leaders of America. This course is recommended for a Career Pathway in Culinary & Food Services.

| Culinary Arts II                          |
| Course #200412-1                         |
| Grade: 12                                |
| Credits: 2                               |
| Prerequisite: Culinary Arts I            |

In this course, students resume progress in pursuing competencies in food production and services. Orientation to the food service industry and development of food preparation skills are reinforced. Food service management functions are introduced. More in-depth information is provided and higher levels of skills are taught. Time is provided for work-based learning opportunities. This course is recommended for a Career Pathway in Culinary & Food Services.

| FACS Essentials                          |
| Course # 200113-1                        |
| Grade Level: 9-10                        |
| Credit: 1                                |

This course includes core competencies in the following areas of family living: consumer economics, family management, food management, relationships, housing, environments, clothing, textiles and human development. It provides opportunity for learning basic living skills including communication skills, conflict resolution, decision making, study skills, and basic fitness, as well as some focus on relationships within and outside the family, and prevention of family violence. This course is recommended for a Career Pathway in Fashion & Interior Design.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
<table>
<thead>
<tr>
<th>Course Title</th>
<th>Course Code</th>
<th>Grade Level</th>
<th>Credit</th>
<th>Prerequisite</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Fashion and Interior Design I</strong></td>
<td>200821-1</td>
<td>10-12</td>
<td>1</td>
<td>FACS Essentials</td>
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<td>This course provides opportunities for students to explore career competencies in the fashion and interior design industry. Students will examine the impact of history, culture, and the environment on current and future trends in the fashion and interior design industries. Students will evaluate elements and principles of design as well as construct fashion and interior design projects that demonstrate comprehension. Leadership development will be provided through Family, Career and Community Leaders of America (FCCLA) student organization. <strong>This course is recommended for a Career Pathway in Fashion &amp; Interior Design.</strong></td>
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<td><em>At least one sewing project will be constructed. Actual project material will be the responsibility of the individual student. (Approximate cost: $30)</em></td>
</tr>
<tr>
<td><strong>Fashion and Interior Design II</strong></td>
<td>200825-1</td>
<td>11-12</td>
<td>1</td>
<td>Fashion and Interior Design I</td>
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<td>This course provides opportunities for students to develop career competencies in the fashion and interior design industry. Advanced fiber classification, textile performance and construction techniques are used for client designs and application as an integral component of this course. Students will implement technology to create visual presentations for clients and the development of an individual digital portfolio. Leadership development will be provided through the Family, Career, and Community Leaders of America (FCCLA) student organization. <strong>This course is recommended for a Career Pathway in Fashion &amp; Interior Design.</strong></td>
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<td><em>Actual project materials will be the responsibility of the individual student.  (Approximate cost: $80 throughout the year)</em></td>
</tr>
<tr>
<td><strong>Fashion and Interior Design III</strong></td>
<td>200826</td>
<td>12</td>
<td>1</td>
<td>Fashion and Interior Design I</td>
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<td>This course provides opportunities for student to apply career competencies in the Fashion and Interior Design Industry. Course competencies are designed to equip students with entrepreneurial skills for the respective industries. Students may develop a business plan and operate a student-run enterprise. An emphasis on client based projects through advanced textile construction, creation of floor plans, and other related fashion and interior design projects are incorporated. A digital portfolio will be finalized to demonstrate individual growth through the career pathway. <strong>This course is recommended for a Career Pathway in Fashion &amp; Interior Design.</strong></td>
</tr>
<tr>
<td><strong>Foods &amp; Nutrition</strong></td>
<td>200441-1</td>
<td>10-12</td>
<td>1</td>
<td>FACS Essentials</td>
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<td>This course is designed to assist students in making critical decisions about food, which contributes to health and well-being. Laboratory instruction is included as an application process. Practical problems addressed relate to attitudes toward food, nutrition facts, special health concerns and diets, management of food resources, preparation skills, food safety, sanitation and careers in nutrition and food service. <strong>This course is recommended for a Career Pathway in Culinary &amp; Food Services.</strong></td>
</tr>
<tr>
<td><strong>Money Skills</strong></td>
<td>201010-1</td>
<td>11-12</td>
<td>1</td>
<td>Algebra I</td>
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<td>This course is designed to prepare students to understand and use sound financial management skills and practices contributing to financial stability, improving the quality of life for individuals and family. Students will analyze lifestyle conditions which affect their financial situations throughout the life cycle. They will also learn how to manage checking and savings accounts, budgets and financial investments; identify wise credit practices; and understand the credit rating system. <strong>This course is recommended for a Career Pathway in Fashion &amp; Interior Design.</strong></td>
</tr>
</tbody>
</table>

**Attention Students:** Check Cooper’s website for summer assignments required in some classes. **Schedule changes will not be made.**
Information Technology

As technology becomes more heavily incorporated into every career field, the need for professionals to handle the development, implementation and maintenance of company software and applications is greater now than ever. Cooper High Students can participate in career preparation courses, encompassing a variety of programming languages, yet all focused on key algorithmic thinking protocols. Courses are offered at a variety of abilities, proving any student can learn to create and manage software.

The Computer Science Pathway courses focus on computer theory, computing problems and solutions, and design of computer systems and user-interfaces. The coursework will include instruction in the principles of computational science, computer development and programming and applications to a variety of end use situations. Students who complete this career pathway will be required to participate in the Career and technical Education end of program assessment (CTE EOP assessment). The successful completion of this assessment is recognized by colleges/universities, business and industry as certifications in these fields.

Any student who enrolls in an information technology class has the opportunity to join FBLA (Future Business Leaders of America) or INTERalliance. These co-curricular organizations provide students with an opportunity to develop leadership skills. Each chapter participates in several community service activities and competitions. **We encourage all students to get involved.**

<table>
<thead>
<tr>
<th>Computer Science Pathway</th>
<th>Recommended Courses</th>
<th>Elective Courses</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Digital Literacy</strong></td>
<td>Intro. To Programming</td>
<td>AP Computer Science Principles</td>
</tr>
<tr>
<td><strong>Elective Courses</strong></td>
<td></td>
<td></td>
</tr>
<tr>
<td>AP Computer Science A</td>
<td></td>
<td></td>
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<tr>
<td>Java Programming 2</td>
<td></td>
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<tr>
<td>Project-Based Programming</td>
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</tr>
</tbody>
</table>

**Introduction to Programming (New)**
Course # 110201-1  
Grade Level: 9-12  
Credit: 1  
Prerequisite: Digital Literacy or Algebra I

This course focuses on the general writing and implementation of generic and atomized programs to drive operating systems. Instruction includes software design, languages, and program writing and trouble-shooting. Students are introduced to fundamental programming concepts using an industry-specific or emerging programming language. Includes data types, control structures, error-handling, modular programming, information and file processing and uniqueness of the language used in the course. **This course is recommended for the career pathway of Computer Programming.**

**ELECTIVE MATH CREDIT:** Students may use this course as a math elective for their SENIOR year only if they have met Benchmark (19 or greater on the ACT). Senior students not meeting benchmark and all other grade levels may take this credit as an elective.

**AP Computer Science Principles (AP Weighted)**
Course #110711-1  
Grade: 9-12  
Credit: 1  
Prerequisite: Digital Literacy or Algebra I

This course is designed to introduce students to the central ideas of computer science, to instill ideas and practices of computational thinking, and to have students engage in activities that show how computing changes the world. The course is rigorous and rich in computational content, includes computational and critical thinking skills, and engages students in the creative aspects of the field. This course follows the curriculum established by the College Board and prepares students to take the Advance Placement examination in the AP Computer Science Principles. **This course is recommended for the career pathway of Computer Science.**

**ELECTIVE MATH CREDIT:** Students may use this course as a math credit for their SENIOR year only if they have met Benchmark (19 or greater on the ACT). Senior students not meeting benchmark and all other grade levels may take this credit as an elective.

**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**AP Computer Science A (AP Weighted)**  
Course #110701-1  
Grade Level: 10-12  
Credit: 1  
Prerequisite: Intro to Programming OR AP Computer Science Principles

This course emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development. It is meant to be the equivalent of a first-semester college-level course in Computer Science. It also includes the study of data structures, design, and abstraction. It is strongly encouraged that students have prior programming experience before beginning this course. This course follows the curriculum established by the College Board and prepares students to take the Advance Placement examination in the AP Computer Science A. **This course is recommended for the career pathway of Computer Science.**

**ELECTIVE MATH CREDIT:** Students may use this course as a math elective for their SENIOR year only if they have met Benchmark (19 or greater on the ACT). Senior students not meeting benchmark and all other grade levels may take this credit as an elective.

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**JAVA 2 Programming Honors (Modified) (Honors Weighted)**  
Course # 110206-H  
Grade Level: 12  
Credit: 1  
Prerequisite: AP Computer Science A

This course is a continuation of computer programming. This course is to be taken after AP Computer Science A. Students in this course will be working in greater detail with graphical user interfaces, inheritance, encapsulation, and other object-oriented programming techniques. Students in this course will prepare and take at least two Microsoft Technology Associate Exams to become career ready. **This course is recommended for the career pathway of Computer Programming.**

**ELECTIVE MATH CREDIT:** Students may use this course as a math elective for their SENIOR year only if they have met Benchmark (19 or greater on the ACT). Senior students not meeting benchmark and all other grade levels may take this credit as an elective.

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**Project-Based Programming (Honors Weighted)**  
Course # 110226-1  
Grade Level: 11-12  
Credit: 1  
Prerequisite or Co-requisite: AP Computer Science A

This project-based learning course engages students who are interested about programming. In this course students will create projects that require computer science fundamentals and extensive research to successfully complete. Students will work either solo or in a team to execute a project decided upon by the student(s). Students must learn and demonstrate proficiency in time management, scope, research, computer science and teamwork to be successful in this course. Finally, students will engage in leadership skills by being held accountable for completion of their tasks or project.

This course may NOT count as a Senior Math credit.

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**Education and Training**

This pathway focuses on the general theory and practice of learning and teaching, the basic principles of educational psychology, the art of teaching, the planning and administration of educational activities, school safety and health issues, and the social foundations of education.

The following classes may become college credit bearing courses. Students may be able to earn 3 college credit hours for each class in addition to high school credit. Prerequisites established by the college and acceptance into the program (through an application process) are required. Dual Enrollment fees apply.

<table>
<thead>
<tr>
<th>Teaching and Learning Pathway</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Recommended Courses</strong></td>
</tr>
<tr>
<td>The Learning Community</td>
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<tr>
<td>The Learner-Centered Classroom</td>
</tr>
<tr>
<td>Collaborative Clinical Experience (beginning 2021-22 school year)</td>
</tr>
</tbody>
</table>

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Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
The Learning Community  
(Please note, this course may become a dual enrollment course and dual enrollment fees may apply)
Course #331030  
Grade Level: 10-12  
Credit: 1

In this course, students develop an understanding of the various responsibilities and systems involved in the K-12 educational system. Specifically, students will acquire the knowledge of education through the perspective of classroom, school, district, state, and federal roles. In clinical experiences, students are embedded in observational and small group or individual teaching settings. They engage with students, schools, and stakeholders across the community to better understand how the community functions as a system, noting how elements within the system relate and interact and the impact of students.

The Learner-Centered Classroom  
(Please note, this course may become a dual enrollment course and dual enrollment fees may apply)
Course #331031  
Grade Level: 10-12  
Credit: 1

This course will develop rising educators' awareness of their funds of knowledge, as well as their personal biases that develop from their life experiences. Using research-based methods, rising educators will develop methods to impact student equity based on culturally competent models as well as growth mindset methods. The students will be embedded in classrooms in observing and active teaching roles (any of the 5 co-teaching models). They will experience a variety of settings in order to reflect on their developing understanding and skills across the K-12 spectrum.

Collaborative Clinical Experience (Beginning 2021-22 school year)  
(Please note, this course may become a dual enrollment course and dual enrollment fees may apply)
Course #331033  
Grade Level: 11-12  
Credit: 1
Pre-requisite: The Learning Community AND The Learner-Centered Classroom

In this course, students will refine the required knowledge and skills to be an effective educator while also practicing the dispositions necessary for the educational profession. Specifically, students will gain an understanding of how teachers lead through individual and collaborative growth and reflection. Students participate in clinical experiences. This is a work-based learning experience where students should spend almost all of their time in a classroom learning setting appropriate to their intended teaching discipline.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
### Cooper High School Career Pathways

#### Principles of Agriculture

<table>
<thead>
<tr>
<th>Course</th>
<th>CAREERS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Animal Science OR Small Animal Science</td>
<td>Equine or Extension Specialist, Animal Caretaker, Veterinarian</td>
</tr>
<tr>
<td>Veterinary Science</td>
<td>Extension Specialist, Veterinarian, Administrative Assistant, Human</td>
</tr>
<tr>
<td>Environmental Science</td>
<td>Biologist, Biochemist, Botanist</td>
</tr>
<tr>
<td>Floriculture / Floral Design and Landscaping</td>
<td>Landscape Architect, Farm Manager</td>
</tr>
</tbody>
</table>

#### Digital Literacy

<table>
<thead>
<tr>
<th>Course</th>
<th>CAREERS:</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accounting</td>
<td>Administrative Assistant, Human Resources, Medical Office Assistant</td>
</tr>
<tr>
<td>MOS</td>
<td>E-COMMERCE CAREERS: Communication Specialist, Media Buyer, Webmaster</td>
</tr>
<tr>
<td>Principles of Marketing</td>
<td></td>
</tr>
<tr>
<td>AP Computer Science A</td>
<td>Java 2 or Project-Based Programming</td>
</tr>
</tbody>
</table>

**Students must complete one (1) CTE course for Graduation.**

**Completing a Pathway as shown above may offer the student dual credit or Industry Certifications as well as the opportunity for Internship.**

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
## Cooper High School Career Pathways

### Marketing Pathways

<table>
<thead>
<tr>
<th>Marketing Principles</th>
<th>Introduction to Engineering Design</th>
<th>FACS Essentials</th>
<th>The Learning Community</th>
</tr>
</thead>
<tbody>
<tr>
<td>Marketing Applications</td>
<td>Principles of Engineering</td>
<td>Foods &amp; Nutrition</td>
<td>The Learner-Centered Classroom</td>
</tr>
<tr>
<td>Sports Marketing</td>
<td>Civil Engineering OR CIM</td>
<td>Fashion &amp; Interior I</td>
<td>Collaborative Clinical Experience</td>
</tr>
<tr>
<td>Accounting OR Retail Marketing</td>
<td>AP CS Principles</td>
<td>Culinary I</td>
<td>(Coming 2020-21 School Year)</td>
</tr>
<tr>
<td>MARKETING CAREERS: Recruiter, Volunteer Manager, Event Coordinator, Sports Marketer</td>
<td>ENGINEERING CAREERS: Contractor, Architect, Project Manager</td>
<td>Culinary II</td>
<td>AP or Dual Enrollment in Specialized Area</td>
</tr>
</tbody>
</table>

### Alternative Courses available as a District Offering Include:
- Area Technology Center, Interactive Media Arts, Homebuilder’s Program, Firefighter/EMT Program

---

**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
Summer Gardening

Register Now
Would you like to grow your own food?
Do you prefer hands-on learning?
Do you struggle to fit an agriculture class into your schedule?

This course is designed for students who desire a hands-on approach to learning about agriculture. You will be responsible for maintaining a specific plot in our school garden for the summer. Course participants will meet weekly for work in the garden.

Summer Grooming

Register Now
Do you prefer hands-on learning?
Do you struggle to fit an agriculture class into your schedule?

This course is designed for students who desire a hands-on approach to learning about dog grooming. You will be responsible for maintaining our school grooming station and grooming animals. Course participants will meet weekly to learn and groom!

If you desire to take an agriculture course but aren’t able to fit it into your schedule because of V-school or AP courses, or you’re simply interested in learning more about gardening or grooming, talk to Mr. White or Ms. Connelly soon. Class enrollments will be limited!
THE FOLLOWING COURSES ARE EXAMPLES OF WHAT MAY BE OFFERED AT GATEWAY KCTCS FLORENCE CAMPUS. EACH INSTITUTION DETERMINES THE COURSE OFFERINGS AND THOSE OFFERINGS ARE SUBJECT TO CHANGE. IN ADDITION, NOT ALL COLLEGE COURSES OFFERED THROUGH EARLY COLLEGE COUNT AS GENERAL STUDIES AND MAY IMPACT TRANSFERABILITY. STUDENTS MUST APPLY AND BE ACCEPTED TO GATEWAY, NKU, AND THOMAS MORE UNIVERSITY. (REFER TO PAGE 60 FOR ADDITIONAL ENROLLMENT INFORMATION). TUITION AND FEES APPLY.

**GATEWAY COURSES**

<table>
<thead>
<tr>
<th>Course #</th>
<th>Credit</th>
<th>Grade Level</th>
</tr>
</thead>
<tbody>
<tr>
<td>ENG 101 WRITING I</td>
<td>1</td>
<td>11-12</td>
</tr>
<tr>
<td>ENG 102 WRITING II</td>
<td>1</td>
<td>11-12</td>
</tr>
<tr>
<td>Bio 120 HUMAN ECOLOGY</td>
<td>1</td>
<td>11-12</td>
</tr>
<tr>
<td>CHE 140 INTRODUCTION TO GENERAL CHEMISTRY</td>
<td>1</td>
<td>11-12</td>
</tr>
<tr>
<td>CHE 145 INTRODUCTION TO GENERAL CHEMISTRY</td>
<td>1</td>
<td>11-12</td>
</tr>
<tr>
<td>COM 181 BASIC PUBLIC SPEAKING</td>
<td>1</td>
<td>11-12</td>
</tr>
</tbody>
</table>

**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
### MAT 150 College Algebra

**Course # 002250-GTWE**  
Credit: 1  
Grade Level: 11-12  
Includes selected topics in algebra and analytic geometry. Develops manipulative skills and concepts required for further study in mathematics. Includes linear, quadratic, polynomial, rational, exponential, logarithmic and piecewise functions; systems of equations; and an introduction to analytic geometry. (Students may not receive credit for both MAT150 and any other College Algebra or Pre-calculus course. Credit not available on the basis of special exam.)  
Lecture: 3 credits (45 contact hours).  
Pre-requisites: 1. Math ACT score of 22 or above, 2. Math ACT score of 19-21 with concurrent MAT 100 workshop, 3. Successful completion of Intermediate Algebra, MAT 126, or equivalent, or 4. KCTCS placement exam recommendation.  
Components: Lecture  
Course Equivalents: MA 109  
Attributes: QR - Quantitative Reasoning, Course Also Offered in Modules

### SOC 100 Introduction to Sociology

**Course # 451121-GTWE**  
Credit: 1  
Grade Level: 11-12  
Introduces concepts and methods of sociology including investigation of socialization, group processes, social inequality, social institutions, and social change.  
Lecture: 3 credits (45 contact hours).

### STA 220 Statistics

**Course # 270602-GTWE**  
Credit: 1  
Grade Level: 11-12  
Examines statistical description of sample data including frequency distributions, measures of central tendency, and measures of dispersion. Includes theoretical distributions, statistical estimation, and hypothesis testing. Introduces simple linear regression and correlation.  
Prerequisite: MAT 150 or equivalent. Lecture: 3.0 credits (45 contact hours).  
Components: Lecture  
Attributes: QR - Quantitative Reasoning, Course Also Offered in Modules

### Wgs 200 Introduction to Women and Gender Studies in the Social Sciences

**Course # 451121-GTWE**  
Credit: 1  
Grade Level: 11-12  
Introduces women's and gender studies from a social science perspective, using a cross-cultural and interdisciplinary approach. Emphasizes social science explanations for sex-typed behavior, social perceptions of women and men, and the roles of women in social and cultural life.  
Lecture: 3 credits (45 contact hours).

### Thomas More Courses

#### His 101 World Civilizations I: Global Perspectives

**Course # 002340-TMCEC**  
Credit: 1  
Grade Level: 11-12  
A two semester multicultural survey investigating the major civilizations of the world from ancient to modern times, divided at 1500. These courses are designed to serve as the integrating elements of the core curriculum.

#### His 102 World Civilizations II: Global Perspectives

**Course # 002340-TMCEC**  
Credit: 1  
Grade Level: 11-12  
A two semester multicultural survey investigating the major civilizations of the world from ancient to modern times, divided at 1500. These courses are designed to serve as the integrating elements of the core curriculum.

### Mus 155 Music Appreciation

**Course # 500912-TMCEC**  
Credit: 1  
Grade Level: 11-12  
Survey of the development of music in Western civilization, with emphasis on the interdependence of classical music with art, literature, politics, religion, socio-economic changes, and world influences. Emphasis will be placed on developing a working knowledge of musical vocabulary and rhetoric, listening skills and the ability to identify differing musical styles, as well as familiarity with monuments of music and major composers.

### NKU Courses

#### Ant 100 Introduction to Cultural Anthropology

**Course # 459803-NKU**  
Credit: 1  
Grade Level: 11-12  
Definition and nature of culture, its content and structure (e.g., kinship, politics, and religion); basic field methods; emphasis on non-Western cultures.

#### Bls 100 Introduction to Black Studies

**Course # 459877-NKU**  
Credit: 1  
Grade Level: 11-12  
This course is designed to engage students in the study of the seven core areas of Black studies: Black History, Black Sociology, Black Religion, Black Economics, Black Politics, Black Psychology, and the humanities (Black Literature, Art, and Music). GENERAL EDUCATION: Cultural Pluralism.

---

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
His 102 History of the United States through 1877  
Course # 450814- NKUEC  
Credit: 1  
Grade Level: 11-12  
The nation's development from the beginning through the Civil War and Reconstruction. Designed to meet demands for a general understanding of U.S. history. General education credit: Culture and Creativity.

His 103 History of the United States since 1877  
Course # 450812- NKUEC  
Credit: 1  
Grade Level: 11-12  
Exploration of the nation's development since 1877. Designed to meet demands for a general understanding of U.S. history. General education credit: Culture and Creativity.

Psy 100 Introduction to Psychology  
Course # 459902- NKU  
Credit: 1  
Grade Level: 11-12  
Systematic and scientific study of behavior from biological, behavioral, and cognitive perspectives; methods, history, biopsychology, perception, learning, development, cognition, personality, mental disorders, therapy, and social psychology.

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
**FIREFIGHTER/EMT PROGRAM**

**These courses are taught at Gateway KCTCS Campus and are subject to change. Students must apply and be accepted to Gateway. Tuition and fees apply.**

**Year 1 First Semester**

**FRS 101 Introduction to Fire Safety**

Course #: 461033-GTW  
Credit: 1  
Grade Level: 11-12

This course includes fire department organization, fire behavior, firefighter safety, personal protective equipment, portable fire extinguishers, fire hose, appliance and streams.  
Lecture: 3 credits (45 contact hours)  
Components: Lecture  
Attributes: Course Also Offered in Modules, Technical

**FRS 102 Firefighters Basic Skills I**

Course #: 461032-GTW  
Credit: 1  
Grade Level: 11-12

Includes ropes, ladders, aircraft rescue, forcible entry, first aid, blood borne pathogens, emergency disaster planning, and CPR.  
Pre-requisite: FRS 101 or Consent of Instructor.  
Lecture: 3 credits (45 contact hours).  
Components: Lecture  
Attributes: Course Also Offered in Modules, Technical

**Year 1 Second Semester**

**FRS 103 Firefighters Basic Skills II**

Course #: 461035-GTW  
Credit: 1  
Grade Level: 11-12

Includes building construction, wildland fire behavior, fire control, and ventilation.  
Pre-requisite: FRS 102 or Consent of Instructor.  
Lecture: 3 credits (45 contact hours).  
Components: Lecture  
Attributes: Course Also Offered in Modules, Technical

**FRS 104 Firefighters Intermediate Skills I**

Course #: 461036-GTW  
Credit: 1  
Grade Level: 11-12

Includes water supply, foam fire streams, fire alarms and communications, hazardous materials awareness, hazardous materials operations, sprinklers, and salvage and overhaul.  
Pre-requisite: FRS 103 or Consent of Instructor.  
Lecture: 3 credits (45 contact hours).  
Components: Lecture  
Attributes: Course Also Offered in Modules, Technical

**Year 2 First Semester**

**FRS 105 Firefighters Intermediate Skills II**

Course #: 461038-GTW  
Credit: 1  
Grade Level: 11-12

Includes fire department organization, fire behavior, personal protective equipment, fire hose, appliances and streams, ropes, forcible entry.  
Pre-requisite: FRS 103 or Consent of Instructor.  
Lecture: 3 credits (45 contact hours).  
Components: Lecture  
Attributes: Course Also Offered in Modules, Technical

**FRS 201 Firefighters Advanced Skills I**

Course #: 461038-GTW  
Credit: 1  
Grade Level: 11-12

Includes firefighter safety, rescue, ventilation ladders, fire control, and emergency disaster planning.  
Pre-requisite: FRS 103 or Consent of Instructor.  
Lecture: 3 credits (45 contact hours).  
Components: Lecture  
Attributes: Course Also Offered in Modules, Technical

**Year 2 Second Semester**

**EMS 105 Emergency Medical Technician (EMT)**

Course #: 461022-GTW  
Credit: 1  
Grade Level: 11-12

Provides the first level of training in a career structure of Emergency Medical Services.  
Integrates didactic course material and the lab component necessary for the delivery of entry level emergency medical care to individuals who are experiencing a disruption in normal body functions due to illness and/or injury and require intervention to prevent morbidity and mortality.  
Pre-requisite: FRS 201 or Consent of Instructor.  
Lecture/Lab: 6.0 credits (150 contact hours).  
Components: Lecture  
Attributes: Technical

**Attention Students:** Check Cooper's website for summer assignments required in some classes. Schedule changes will not be made.
The Area Technology Center (ATC) offers seven (7) programs of study. Students who apply and are accepted into the program will attend the ATC for three (3) periods a day. Please utilize your 4-year plan worksheet in preparation for taking a program at the ATC. For students wanting precollege curriculum, world language will need to be taken 9th and 10th grade. Students must fulfill their requirements for graduation and have availability in their schedule for three (3) periods during their junior and senior year. In addition, students attending the ATC will be enrolled at Gateway KCTCS and are expected to complete the Dual Enrollment application process for admission to the program. Scholarships are available to help cover Gateway’s course fees. It is the responsibility of the student and/or family to pay any fees that are not covered by scholarship. Please be aware that most programs at the ATC also require the purchase of uniforms and/or safety equipment, and must be paid for by the student and/or family.

**ATC PROGRAMS**

- AUTO TECHNOLOGY
- DIESEL TECHNOLOGY
- ELECTRICAL TECHNOLOGY
- METAL FABRICATION TECHNOLOGY
- PRE-NURSING PATHWAY
- WELDING TECHNOLOGY
- MACHINING ENGINEERING TECHNOLOGY

Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
WAYS TO EARN COLLEGE CREDIT AT COOPER HIGH SCHOOL

There are multiple ways to earn college credit at a free or discounted rate while attending Cooper High School. (See each section in course guide for additional details) Those additional ways include:

Option 1: AP Courses
Taking Advanced Placement Classes and passing the AP exam (see AP courses offered in each subject area)

Option 2: Dual Credit through Early Admission:
NKU
a. Courses taken on the Highland Heights Campus
b. School Based Scholars courses are dual enrollment classes taught by an NKU Professor at RCHS during 1st Period.
c. Courses with credentialed Cooper High School Teacher are offered at Cooper HS

THOMAS MORE
Courses taken on Thomas More Campus

GATEWAY REGIONAL ACADEMY
Courses taken on Gateway Regional Academy Campus
EARLY COLLEGE through Boone County School District

Through a partnership with NKU/ Thomas More/Gateway Community and Technical College students will attend college for half a day (either morning or afternoon—spending the other half day at their school) at the Boone County Gateway Community and Technical College’s Union campus with the potential of earning 24 college credit hours a year. These courses are provided at a dramatically reduced rate of $174 per course, saving the student thousands in future college expenses. (This would be a savings of $8,000 for a year’s tuition at UK, for example). This also provides students with college-level experiences while students are still in high school, so that they are better prepared for the college experience. The courses are weighted and will transfer to any KY public two-year or four-year college.

Eligibility for this program is a 3.0 GPA. Students must also meet benchmark on the ACT. (Students must take the ACT no later than February during their sophomore year). (Guidance Counselors can provide more information on working towards this eligibility requirement.) Transportation will be provided from high schools; students may also drive.

Frequently Asked Questions about Early College

- KEES money is not applicable with Early College classes.
- Each high school will provide transportation to Gateway Community and Technical College; with that said, you need to ask your principal if they will allow you to drive yourself back and forth.
- Books must be purchased and are not included in the price of tuition.
- Some of you were wondering: “what if my child gets a full ride scholarship and we already paid for 1-2yrs. of college- we just lost money?” It is important to note that full rides usually consist of a 4 yr. plan. That means by taking early college you have allowed your child the opportunity to double major because all or most of their general education classes will be out of the way.
- **Early College classes do not count for English II or Algebra II high school credits.**
- English 101 and 102 do count for English III and English IV at high schools.

For more information, please visit the Early College link on the Boone County Schools website or email the program director, Mr. Bill Hogan – bill.hogan@boone.kyschools.us

**Option 3: Industry Certification**

Students earning industry certification(s) may be eligible for college credits at many colleges/universities. MCAS (Microsoft Certified Application Specialist) Certification is offered through the CTE Department (see CTE section of handbook).

**Option 4: Articulated Credit**

Articulated Dual Credit (ATC only) in conjunction with Gateway. ATC students are taught by an ATC instructor in an ATC course approved by the Gateway Provost. Students can earn Gateway credit if grade requirements are met for the equivalent Gateway course.

**Option 5: CTE EOP** (Career and Technical Education End of Program Assessment) Students who complete a CTE career pathway can earn college credit at any of the five major public universities in Kentucky by passing the CTE EOP Assessment for Articulated Credit. Please check with a CTE teacher for more information.

*Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.*
# DUAL CREDIT INFORMATION SHEET

Dual Credit Scholarships are available. Dual Credit Scholarships may cover tuition and an application is necessary. Priority is given to seniors. **All tuition is due before the first day of class each semester.**

<table>
<thead>
<tr>
<th>Questions?</th>
<th>Gateway Regional Academy</th>
<th>NKU School Based Scholars</th>
<th>Thomas More Gemini Program</th>
</tr>
</thead>
<tbody>
<tr>
<td>What does dual credit look like?</td>
<td>High School Option: ~An Area Technology Center student</td>
<td>High School Option: NKU faculty teach college courses at the high school campus, bringing the college culture and contact time.</td>
<td>College Campus Option: ~Eligible to juniors and seniors ~College may add special sections ~Fill open seats in regularly scheduled courses</td>
</tr>
<tr>
<td></td>
<td>College Campus Option: ~Eligible students can take any class on the Gateway Campus for which they meet the pre-requisites.</td>
<td>College Campus Option: Eligible students can take any class on the Highland Heights campus for which they meet the pre-requisites.</td>
<td></td>
</tr>
<tr>
<td>What is the criteria?</td>
<td>High School Option: ~Any student 16 or older ~ ACT or EdReady minimum requirement ~Completed application packet</td>
<td>~Completed sophomore year ~ACT/PLAN score of 20/SAT of 940 ~High school GPA of 3.0 ~Completed application packet</td>
<td>Completed the following HS units: ~2 in English, 2 in Science, 2 in Math, 2 in Social Studies ~3.5 GPA in above units ~Provisional admittance through Academic Dean</td>
</tr>
<tr>
<td></td>
<td>Courses offered on Gateway’s Campus.</td>
<td>Examples but not limited to: Speech, History, Political Science, Fine Arts, World Religions, and Criminal Justice.</td>
<td>Examples but not limited to: Biology, Chemistry, Computer Science, English, History, and Psychology</td>
</tr>
<tr>
<td>What classes are offered at the high schools?</td>
<td>College Campus Option: ~$174 ~Textbook</td>
<td>High School Option ~Cost of one credit hour College Campus School Based Scholars (SBS) Option: ~$174 Other ~Maximum of 8 courses at the SBS price ~ Textbook</td>
<td>College Campus Option: ~$174 per course</td>
</tr>
<tr>
<td>What are the costs?</td>
<td>Gateway is a regionally accredited institution whose credits are accepted by most major colleges and universities. Students should consult with the college of their choice as to how their Gateway credits would apply.</td>
<td>NKU is a regionally accredited institution whose credits are accepted by most major colleges and universities. Students should consult with the college of their choice as to how their NKU credits would apply.</td>
<td>Thomas More University is regionally accredited by the Southern Association of Colleges and Schools, which greatly eases transferability of credit. Thomas More University will guarantee that all the high school credit earned while enrolled in the Thomas More Dual credit program will be accepted and applied toward graduation at Thomas More.</td>
</tr>
<tr>
<td>Will these college credits transfer to other colleges?</td>
<td>~Chris Stout <a href="mailto:chris.stout@kctcs.edu">chris.stout@kctcs.edu</a></td>
<td>~<a href="mailto:nkusbs@nku.edu">nkusbs@nku.edu</a></td>
<td></td>
</tr>
<tr>
<td>Who do I contact for more information?</td>
<td>~Cathy Milner <a href="mailto:milnerc@thomasmore.edu">milnerc@thomasmore.edu</a></td>
<td></td>
<td></td>
</tr>
</tbody>
</table>
# COURSES OFFERED AT RANDALL K COOPER HIGH SCHOOL

<table>
<thead>
<tr>
<th>COURSE TITLES</th>
<th>COURSE #</th>
<th>CREDITS</th>
<th>COURSE TITLES</th>
<th>COURSE #</th>
<th>CREDITS</th>
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</thead>
<tbody>
<tr>
<td><strong>ENGLISH</strong></td>
<td></td>
<td></td>
<td><strong>SCIENCE (cont.)</strong></td>
<td></td>
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<tr>
<td>English I</td>
<td>230107-1</td>
<td>1</td>
<td>Physics Honors</td>
<td>304821-1H</td>
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<tr>
<td>English I Honors</td>
<td>230107-H</td>
<td>1</td>
<td>AP Biology</td>
<td>302646-1</td>
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<tr>
<td>English II</td>
<td>230110-1</td>
<td>1</td>
<td>AP Chemistry</td>
<td>304526-1</td>
<td>1</td>
</tr>
<tr>
<td>English II Honors</td>
<td>230110-H</td>
<td>1</td>
<td>Forensic Science I</td>
<td>302616-1</td>
<td>0.5</td>
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<tr>
<td>English III</td>
<td>230113-1</td>
<td>1</td>
<td>Forensic Science II</td>
<td>302616-2</td>
<td>0.5</td>
</tr>
<tr>
<td>English III Honors</td>
<td>230113-H</td>
<td>1</td>
<td>Earth/Space</td>
<td>304611-1</td>
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<tr>
<td>AP English III Language &amp; Composition</td>
<td>230166-1</td>
<td>1</td>
<td>Anatomy/Physiology Honors</td>
<td>302631-2</td>
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<tr>
<td>English IV</td>
<td>230116-1</td>
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<td>English IV Honors</td>
<td>230116-H</td>
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<tr>
<td>AP English IV Literature &amp; Composition</td>
<td>230167-1</td>
<td>1</td>
<td>SOCIAL STUDIES</td>
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<tr>
<td>Creative Writing</td>
<td>230511-1</td>
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<td>Geography</td>
<td>450709-1</td>
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<td>Film Studies</td>
<td>230140-1</td>
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<td>World History</td>
<td>450835-1</td>
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<tr>
<td>Journalism</td>
<td>239111-1</td>
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<td>U.S. History</td>
<td>450809-1</td>
<td>1</td>
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<tr>
<td>Mythology</td>
<td>230140-3</td>
<td>0.5</td>
<td>AP Human Geography</td>
<td>450712-1</td>
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<tr>
<td>Yearbook Production I</td>
<td>239141-1</td>
<td>1</td>
<td>AP European History</td>
<td>450844-1</td>
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<tr>
<td>Yearbook Production II</td>
<td>239142-1</td>
<td>1</td>
<td>AP U.S. History</td>
<td>450814-1</td>
<td>1</td>
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<tr>
<td>Yearbook Production III</td>
<td>239143-1</td>
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<td>Contemporary U.S. History</td>
<td>450878-1</td>
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<td>Graphic Novels</td>
<td>230140-7</td>
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<td>History Through Film</td>
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<td>Psychology</td>
<td>459901-1</td>
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<td>AP Psychology</td>
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<tr>
<td><strong>MATHEMATICS</strong></td>
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<tr>
<td>Algebra I</td>
<td>270304-1</td>
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<td>AP US Government &amp; Politics</td>
<td>451030-1</td>
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<td>Geometry</td>
<td>270401-1</td>
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<td>Hist. &amp; Literature of the Biblical Era</td>
<td>459813-1</td>
<td>1</td>
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**Attention Students:** Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
### EDUCATION AND TRAINING

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### THE ARTS

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Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
### HONORS COURSES - Index 1.02

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### DUAL ENROLLMENT COURSES:

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<td>NKU Spanish 101</td>
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<td>Early College (courses may vary)</td>
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<td>N. KY Home Builders (courses may vary)</td>
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<td>AP European History</td>
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<td>AP U.S. Government &amp; Politics</td>
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Attention Students: Check Cooper’s website for summer assignments required in some classes. Schedule changes will not be made.
This is a tentative plan to give you and your parents some direction as you progress through your high school career at Cooper High School. We want students to be able to take advantage of all Cooper has to offer. This will require some pre-planning on your part. You may have to “double up” in a content area to be able to reach the capstone class. We also offer dual enrollment and interning options which will require you to plan ahead. We do not want you to miss out on opportunities at Cooper High School! Please contact your JAM teacher, guidance counselor, or administration if you have any questions. It’s a team effort and everyone is here to help you Aspire, Achieve, and Excel!

### Graduation Requirements

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# Contract for Requesting Courses

**Student Name_______________________________________________**  
**Date: ___ /___ /______**

**Career Interest/PATHWAY________________________________________**  
**Current Grade __________________**

**Special recognition you are seeking (Please circle 1):**  
KY Scholars Diploma  
AP - Cum Laude  
Magna Cum Laude  
Summa Cum Laude

Please carefully review the current RCHS course guide to make informed decisions regarding course selections for next school year. Consider career/ personal interests, obligations (sports, clubs, activities), and parental and current teacher input to create an appropriately challenging yet balanced schedule. Reflect on how this schedule will fit with your four year graduation plan and your ILP. Please choose wisely since these course selections are final, and **THERE WILL BE NO SCHEDULE CHANGES**. The box below should contain courses totaling 6 credits:

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<th>Course Number:</th>
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<th>Credit</th>
<th>Teacher Approval:</th>
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**Number of Requested Credits (should be 6)**

### CAUTION

*Do not leave blank! Alternate courses are essential.*

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*Your signature below indicates you have carefully reviewed your selections, have reviewed any summer assignments required for the courses and are agreeing to take the above courses. Your signature also indicates you understand that there will be **NO REQUEST CHANGES** after you turn in this form and that you have discussed this schedule with your current teachers and your parent or guardian.*

_________________________________________________________  
JAM Teacher Signature  
_________________________________________________________  
Student Signature  
_________________________________________________________  
Parent Signature
Students in grades 10-12 will complete their course requests through the on-line scheduling process. Please use the following instructions to complete the on-line scheduling process.

- Course Requests are located in Campus Portal
- Window will be open to request electives January 18 – January 28
- Login to Campus Portal
  - Click “Course Registration” (on left)
  - Click ‘COURSE SEARCH’
  - Search course name/number
  - Click ‘GO’
  - Click ‘REQUEST THIS COURSE’ (Electives)
    OR
  - Click ‘REQUEST AS ALTERNATE (6 Alternates)’

Please print a copy for your records.

*Logoff when 24/28 “units” show at top of requested units.
WE ARE COOPER
SCHOOL CREST DEFINED

TORCH: Achievement through education

SCROLL: Passing of knowledge

GLOBE: The feeling of preparedness for no matter where one may travel, His education stands him in good stead

KEY: Unlocking of the doorway to education, to culture friendships, to unlock prejudices

TRIANGLE W/EYE: Intellect in action working toward goals

LEAVES: Achievement