University High School
Four-Year Planning Sheet

Student: ______________________________________________________

This is a document that each student should fill out as part of the registration cycle, in conjunction with discussions with mentor and parents. The idea is not to “set things in stone” but rather to facilitate conversations about academic goals and check that graduation requirements will be met. If the student and their mentor keep a copy, the plan can be revised each year during the registration cycle.

<table>
<thead>
<tr>
<th>9th Grade:</th>
<th>10th Grade:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1st semester / 2nd semester</strong></td>
<td><strong>1st semester / 2nd semester</strong></td>
</tr>
<tr>
<td>1. Two semesters: Language &amp; Literature</td>
<td>1. Two semesters: Great Books</td>
</tr>
<tr>
<td>2. Two semesters: World History (AP or regular)</td>
<td>2. Two semesters: U.S. History (AP or regular)</td>
</tr>
<tr>
<td>3. Two semesters: Biology</td>
<td>3. Two semesters: Chemistry</td>
</tr>
<tr>
<td>5. World Lang.: ____________ / ______________</td>
<td>5. World Lang.: ____________ / ______________</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>11th Grade:</th>
<th>12th Grade:</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>1st semester / 2nd semester</strong></td>
<td><strong>1st semester / 2nd semester</strong></td>
</tr>
<tr>
<td>2. Social Studies: ____________ / ______________</td>
<td>2. Social Studies: ____________ / ______________</td>
</tr>
<tr>
<td>(must be U.S. History or AP U.S. History, if not already taken)</td>
<td>3. Elective: ____________ / ______________</td>
</tr>
<tr>
<td>7. Elective: ____________ / ______________</td>
<td></td>
</tr>
</tbody>
</table>

Total number of credits (1 semester = 1 credit): ______

Number of credits in each area:

Make sure to refer to the Course Guide for course offerings, University High School graduation requirements, and Indiana Core 40 and Academic Honors requirements. Some students will take six classes in a semester and have the 7th period serve as a study hall. If that is part of your plan, simply write in ‘study hall’ for one of the electives.
Contents

General Information

University High School Minimum Graduation Requirements p. 5
Indiana Standards for Core 40 and Academic Honors Diplomas p. 6
College Requirements p. 6
Standard 9th Grade Courses p. 6
Standard 10th Grade Courses p. 7
Calculating Grade Point Averages (GPA) p. 7
Honor Rolls p. 7
What is an F+? p. 7
Reaction to Fs p. 7
Academic Probation p. 8
Who Should Sign Up for an Advanced Placement (AP) Class? p. 8
Expectations For Advanced Placement (AP) Classes p. 9
Courses Taken Outside University High School p. 9
Middle School Courses p. 10
Dropping / Adding Classes p. 10
Learning Support Services p. 11
Research Scholars Program p. 11

Regular Semester Courses

English p. 12
Social Studies and History p. 18
Mathematics p. 22
Science p. 28
World Languages p. 32
Fine & Performing Arts p. 37
Physical Education & Health p. 46
Technology Classes p. 48
Other Courses p. 50

January Term 2022 Courses p. 52
University High School Minimum Graduation Requirements

<table>
<thead>
<tr>
<th>Subject</th>
<th>Credits Required</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English</strong></td>
<td>8 credits</td>
</tr>
<tr>
<td>2 credits: Language &amp; Literature; 2 credits: Great Books; 4 credits of advanced coursework in the junior and senior years</td>
<td></td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td>6 credits</td>
</tr>
<tr>
<td>A minimum of 6 credits must be taken in Grades 9 – 12. Students must complete at least Algebra I, Geometry, and Algebra II. Most Indiana state universities require 7 or 8 semesters of mathematics.</td>
<td></td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td>6 credits</td>
</tr>
<tr>
<td>2 credits: Biology; 2 credits: Chemistry; 2 credits: Additional credits from Biology, Chemistry, Physics, Earth and Space Science or an equally challenging program</td>
<td></td>
</tr>
<tr>
<td><strong>World Languages</strong></td>
<td>6 credits</td>
</tr>
<tr>
<td>2 credits: Level 1; 2 credits: Level 2; 2 credits: Level 3</td>
<td>Minimum of 4 credits must be taken at a high school</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td>8 credits</td>
</tr>
<tr>
<td>2 credits: World History (AP or regular); 2 credits: U.S. History (AP or regular); 4 credits of advanced coursework in the junior and senior years</td>
<td></td>
</tr>
<tr>
<td><strong>Fine &amp; Performing Arts</strong></td>
<td>4 credits</td>
</tr>
<tr>
<td>It is highly recommended that at least two of these credits be earned by the end of the 10th grade year and at least one more of these credits be earned by the end of the 11th grade year.</td>
<td></td>
</tr>
<tr>
<td><strong>Phys. Ed. &amp; Health</strong></td>
<td>3 credits</td>
</tr>
<tr>
<td>1 credit: Health; 1 credit: Physical Education; 1 credit: 1 additional credit physical education (note: successful participation in a full season on an athletic team can satisfy this third credit). It is highly recommended that at least one of these credits be earned by the end of the 10th grade year and at least one more of these credits be earned by the end of the 11th grade year.</td>
<td></td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td>At least enough to meet the minimum total credit requirement</td>
</tr>
<tr>
<td><strong>Total</strong></td>
<td>48 credits</td>
</tr>
</tbody>
</table>

University High School’s educational program is a four-year commitment. All students have to carry at least 6 classes per semester and take one January Term class per year. Courses taken outside of University High School can be used towards the requirements only if approved beforehand. Students and parents should understand that the requirements stated above are minimum requirements; the school expects students to push themselves above these requirements.
Indiana Standards for Core 40 and Academic Honors Diplomas:

**CORE40 with Academic Honors** (minimum 47 credits)

For the Core 40 with Academic Honors designation, students must:
- Complete all requirements for Core 40.
- Earn 2 additional Core 40 math credits.
- Earn 6-8 Core 40 world language credits (6 credits in one language or 4 credits each in two languages).
- Earn 2 Core 40 fine arts credits.
- Earn a grade of a “C” or better in courses that will count toward the diploma.
- Have a grade point average of a “B” or better.
- Complete one of the following:
  A. Earn 4 credits in 2 or more AP courses and take corresponding AP exams
  B. Earn 6 verifiable transcibed college credits in dual credit courses from the approved dual credit list.
  C. Earn two of the following:
     1. A minimum of 3 verifiable transcibed college credits from the approved dual credit list.
     2. 2 credits in AP courses and corresponding AP exams.
     3. 2 credits in IB standard level courses and corresponding IB exams.
  D. Earn a composite score of 1250 or higher on the SAT and a minimum of 560 on math and 590 on the evidence based reading and writing section.
  E. Earn an ACT composite score of 26 or higher and complete written section
  F. Earn 4 credits in IB courses and take corresponding IB exams.

**CORE40 with Technical Honors** (minimum 47 credits)

For the Core 40 with Technical Honors designation, students must:
- Complete all requirements for Core 40.
- Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following:
  1. Pathway designated industry-based certification or credential, or
  2. Pathway dual credits from the approved dual credit list resulting in 6 transcibed college credits
- Earn a grade of “C” or better in courses that will count toward the diploma.
- Have a grade point average of a “B” or better.
- Complete one of the following:
  A. Any one of the options (A - F) of the Core 40 with Academic Honors
  B. Earn the following minimum scores on WorkKeys: Workplace Documents. Level 6; Applied Math, Level 6; and Graphic Literacy, Level 5.
  C. Earn the following minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75.
  D. Earn the following minimum score(s) on Compass: Algebra 66, Writing 70, Reading 80.

Courses and Credit Requirements

<table>
<thead>
<tr>
<th>Course</th>
<th>Credits</th>
<th>Requirements</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>English/Language Arts</strong></td>
<td>8</td>
<td>Including a balance of literature, composition and speech.</td>
</tr>
<tr>
<td><strong>Mathematics</strong></td>
<td>6</td>
<td>(in grades 9-12)</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 credits: Algebra I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>2 credits: Geometry</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Or complete Integrated Math I and II</td>
</tr>
<tr>
<td><strong>Science</strong></td>
<td>6</td>
<td>Biology I</td>
</tr>
<tr>
<td></td>
<td></td>
<td>U.S. History</td>
</tr>
<tr>
<td></td>
<td></td>
<td>Economics</td>
</tr>
<tr>
<td><strong>Social Studies</strong></td>
<td>6</td>
<td>World History/Civilization or Geography/History of the World</td>
</tr>
<tr>
<td><strong>Directed Electives</strong></td>
<td>5</td>
<td>World Languages, Fine Arts, Career and Technical Education</td>
</tr>
<tr>
<td><strong>Physical Education</strong></td>
<td>2</td>
<td></td>
</tr>
<tr>
<td><strong>Health and Wellness</strong></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td><strong>Electives</strong></td>
<td>6</td>
<td>(College and Career Pathway courses recommended)</td>
</tr>
<tr>
<td><strong>Total State Credits Required</strong></td>
<td></td>
<td>40</td>
</tr>
</tbody>
</table>


**College Requirements**

Students are reminded to keep in mind the high school course requirements of the colleges and universities in which they are interested. It is their responsibility to check on collegiate websites or with college representatives about specific additional requirements for admission.

**Standard 9th grade courses**

Unless compelling reasons are presented to the student’s mentor, each 9th grade student is expected to take Language & Literature, two semesters of World History or AP World History, and Biology.
**Standard 10th grade courses**

Unless compelling reasons are presented to the student’s mentor, each 10th grade student is expected to take Great Books, two semesters of U.S. History (or AP U.S. History), and Chemistry.

**Calculating Grade Point Averages (GPA)**

The following numerical values for grades are used to calculate GPA:

<table>
<thead>
<tr>
<th>Grade</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td>A+</td>
<td>4.3</td>
</tr>
<tr>
<td>A</td>
<td>4.0</td>
</tr>
<tr>
<td>A−</td>
<td>3.7</td>
</tr>
<tr>
<td>B+</td>
<td>3.3</td>
</tr>
<tr>
<td>B</td>
<td>3.0</td>
</tr>
<tr>
<td>B−</td>
<td>2.7</td>
</tr>
<tr>
<td>C+</td>
<td>2.3</td>
</tr>
<tr>
<td>C</td>
<td>2.0</td>
</tr>
<tr>
<td>C−</td>
<td>1.7</td>
</tr>
<tr>
<td>WF/F+</td>
<td>0</td>
</tr>
</tbody>
</table>

The sum of all the grade points divided by the total number of classes taken (excluding those with only a “P” [pass] grade) is the GPA.

The school assigns additional weight to AP courses by adding one (1) grade point to the semester grades earned in these courses (for example, a B+ earned in a semester of an AP course would count as a 4.3, instead of the standard 3.3). Weighted GPA is the official GPA stated on report cards and transcripts. Unweighted GPA is used for determining status for honor roll, high honor roll, and academic probation.

**Honor Rolls**

University High School has two honor rolls: honor roll and high honor roll. A student earns a place on the honor roll when their unweighted semester grade point average is at least 3.30 but lower than 3.70. A student earns a place on the high honor roll when their unweighted semester grade point average is 3.70 or higher. All semester classes are included in these computations, except for those with only a “P” [pass] grade. January Term is not included in honor roll considerations, since it does not fall into the first or second semester.

**What is an F+?**

If a student’s course grade average in the first semester of a year-long course (or a year-long sequence, like U.S. History or two advanced English electives) is at or above 66.5% but below 70%, the grade is a recorded as an F+. This counts as an F towards GPA, honor roll, and academic probation. If, at the end of the second semester, the student’s grade in the class is at or above 72.5% (C), then the F+ from the first semester will be changed to a C- (and GPA and credits recalculated). If not, then the F+ is changed to an F.

**Reaction to Fs**

Any class specifically named in the graduation requirements that the student fails must be retaken – either in summer school or the following school year. Any other class not specifically named in the graduation requirements that the student fails must be accounted for by successfully passing another course – either in summer school or the following school year.
**Academic Probation**

A student is placed on academic probation if one of the two conditions occurs: (a) the student’s unweighted semester grade point average is below 2.00, or (b) the student earns three or more grades below a C (C-, F+, WF, or F) in a single semester.

If the student’s performance hits any of the above conditions in any subsequent semester, the student is subject to dismissal. Such dismissal will not be automatic, as the school will wish to take extenuating circumstances into account, but it should be understood that it would be rare for a student to remain at University High School if he or she could not maintain an academic performance better than the two conditions stated on a semester-by-semester basis.

A student may also be placed on academic probation for other circumstances at the discretion of the Head of School.

A student entering into academic probation meets with his or her parents, mentor, and a school administrator early in the new semester to make sure that his or her status is understood and, more importantly, to describe a change in behavior that will result in the student not meeting one of the stated conditions for the rest of his or her University High School career.

**Who Should Sign Up for an Advanced Placement (AP) Class?**

<table>
<thead>
<tr>
<th>Grades in the class preceding the AP class*</th>
<th>Eligible to sign up for AP class?</th>
<th>Should sign up for AP class?</th>
</tr>
</thead>
<tbody>
<tr>
<td>B+ or higher in both semesters</td>
<td>Yes</td>
<td>Should very strongly consider – grades show you’re a strong student up to the challenge</td>
</tr>
<tr>
<td>B- or B in both semesters</td>
<td>Yes</td>
<td>Should definitely think about it, but think carefully about the number of AP classes taken at one time</td>
</tr>
<tr>
<td>C+ or lower in either semester</td>
<td>No</td>
<td>Shouldn’t think about it; grades show you’re not ready for the AP level yet</td>
</tr>
</tbody>
</table>

* Because the registration for classes is done before 2nd semester grades are finalized, this means a student may be denied registration for an AP class if his/her 2nd semester grade in the preceding class is below a B-.

Teachers are often asked about how hard an AP class is; the answer depends on the preparedness and work ethic of a given student. If a student has regularly earned high grades in a given academic discipline, then the AP class is probably the right choice. For them, it’s the next logical step. If a student has earned good, but lower, grades (say, like B or B- grades) then the AP class will be more challenging – which, depending on the student, might be the right step or could be too much.
**Expectations about Advanced Placement (AP) Classes**

AP classes are designed to give a student a chance to take an advanced, upper-level course. Each student will be doing college-level work throughout the year. In May, a national exam is held to test the student’s knowledge of the subject studied. Students who do well on this exam may be able to earn college credit and/or placement. All students signing up for an AP class are expected to take the AP exam in the spring.

In order to be successful in an AP class, a student must be ready to make a serious commitment to work throughout the year. An AP course is designed as a college-level course. Therefore, the pace, level of thought expected, and grading standards are set accordingly.

Students in an AP course should commit to:

- 50 – 60 minutes of homework for each class period
- 3 – 6 mandatory class sessions during January Term
- Independent work over January Term, winter break, and spring break
- Possible Saturday sessions; these would include laboratory sessions for AP science courses, and exam preparation sessions for all AP classes
- Possible mandatory work over the summer to prepare for the class
- Taking the AP exam in May

**Courses Taken Outside of University High School**

In general, once a student has enrolled in University High School, only courses taken at University High School count towards graduation. Any course taken by a University High School student outside of University High School for the purpose of grades or credits must be cleared by University High School prior to the course being taken. Only courses through an accredited high school, college, or university will be considered.

The student must submit to the Academic Affairs Committee a written proposal (at least one substantial paragraph) that demonstrates how the desired outside course fits into his or her larger educational plan, as well as details about the curriculum of the course (syllabus, topics covered, etc.). In general, the courses approved are ones that the student is taking to make up an earlier failing grade or that the student is taking to advance further in mathematics or world languages. Indiana Online Academy is the preferred venue for outside courses. Outside courses are not approved if the desire is simply to not take a given course at University High School. If the institution is not Indiana Online Academy or a local high school (such as Carmel, Zionsville, or North Central), the student should also submit information about the accreditation of the institution. This committee will review the information for the course, consult with the appropriate academic department, and either accept or reject the request. If the course is approved, it is the responsibility of the student to provide the school with the transcript of the class to demonstrate successful completion of the course.

Outside courses that are offered while University High School is in session are subject to more stringent criteria. In general, a student may not take such courses that would cause him or her to miss more than one period of the University High School day or courses that
are currently offered by University High School. The only courses that the Academic Affairs Committee will consider in this category are in subject areas in which the student (a) has already taken all the available University High School courses or (b) is taking the course in addition to a University High School course from this same subject area (that is, the outside course is for ‘doubling up’ in a given area).

A higher threshold also exists for an online course. Only junior or senior students are considered for these courses. A student may only take a maximum of one online course per year for University High School credit. The school takes on no responsibility for overseeing the student in such a course; they have to work with the oversight of the other institution. The school will also provide no special technological equipment for such a course; that is the responsibility of the student. Finally, given the independent nature of this type of course, the Academic Affairs Committee will evaluate whether the student is mature enough to handle the course within our school setting.

Approved outside courses may be used to satisfy graduation requirements only if they are passed with a C- or higher.

**Middle School Courses**

If a student took a high school level mathematics or world language course in middle school (e.g., Algebra I, Geometry, Spanish 1, French 2, etc.), that course can recorded on the official high school transcript. According to the State of Indiana’s Department of Education, “Courses taught for high school credit in middle school must be equivalent to the high school and over the same Academic Standards. In addition, grades and credits for the course must be included on the student's high school transcript and factored into the cumulative GPA.”

To meet Core 40 requirements (which are surpassed by the school’s requirements), a student must take 6 credits (i.e., three years) of math classes at the level of Algebra I or higher. Similar for foreign language—to earn Indiana Academic Honors, the student has to earn 6 credits in a language at first-year level or higher or 4 credits in two different languages at first-year level or higher. What this means, for instance, is that Algebra I does not have to be explicitly recorded on the transcript if the student takes Geometry, Algebra II, and Precalculus in high school.

When deciding whether to have the middle school courses placed on the transcript, a student should consider both the requirements (school/Core 40/Indiana Academic Honors) as well as the effect on the cumulative grade point average (GPA). If a middle school course is not needed for the requirements and the grades from the middle school course are lower than what the student expects his/her cumulative GPA to be, it would make sense to not place the middle school course on the transcript.

**Dropping / Adding Classes**

Any kind of change to a student’s schedule will be the result of consensus on the part of the student, parent(s), teacher, and mentor. If a change is suggested by any of these people, the mentor should be notified. The student should discuss the idea with the teacher,
parent(s), and mentor. The mentor should direct the student to take the lead in having these discussions, but then should also make a follow-up phone call or have a face-to-face conversation to confirm.

If all parties agree that the change is appropriate, then it will be made. If there is some disagreement, the schedule will not be changed until consensus can be reached. If a problem persists, then either an Assistant Head or the Head of School should be brought into the discussion to help reach a final decision.

Students can make changes to their schedules without penalty by submitting a completed drop/add form to the scheduling coordinator no later than the beginning of the fourth week of the semester. After this point, up to the end of the first day of classes following mid-semester parent-mentor-student conferences, a student who drops a class will have the class recorded on his/her transcript with either a “WP” (withdrew – passing) or “WF” (withdrew – failing). A WP has no effect on the GPA; a WF counts the same as an F in the GPA. After the end of the first day of classes following parent-mentor-student conferences, a student may not make changes to his/her schedule for that semester. Any senior making any changes to his/her schedule must also get the signature of the college counselor.

**Learning Support Services**

Learning Support Services is for students who have supporting documentation to indicate that they need learning support. The resource is also available for students who are referred by their mentors and upon approval of the Director of Learning Support Services for additional study skills, test-taking skills, time management skills and organizational skills.

**Research Scholars Program**

Students who are accepted for this program will spend considerable time and effort to develop, research, and write an extensive thesis; they will also give an oral presentation of findings. Students will develop the initial idea for the project in the spring of their junior year, work on it over the summer, and continue the work through the first semester of their senior year. They will earn one credit upon its successful completion. Participation in this program will give a student significant experience in managing a complex independent research project, as well as the satisfaction of pursuing a topic of one’s own choosing. It will give a student considerable training for college honors/thesis programs, and it will enhance applications for college admission.

A junior student who is interested in pursuing this program for his or her senior year should speak to the Dean of Academic Affairs for more information.
English

Course: Language & Literature
Prerequisite: None
Length: Year-long class
Special Note: This is the standard 9th grade English course.

This class is required of all freshmen so they can begin to master the skills necessary to become a more critical reader and a better writer. The ultimate goal of the class is to have students understand how these skills can enrich their lives and help them begin to make sense of a complicated world and their place in it. We will read various kinds of works. We will develop your critical thinking, your writing, and your appreciation about and of English literature. We will practice writing formally and informally, academically and non-academically, in class and out of it. We will study argument and correct grammar.

Course: Great Books
Prerequisite: Language & Literature or equivalent 9th grade course
Length: Year-long class
Special Note: This is the standard 10th grade English course.

In this course, students will read excerpts of essays, novels, and articles written by a diverse array of great writers throughout the history of literature. Utilizing a seminar approach to facilitate discussion, students will explore the meaning, ethics, and motives of these authors, as well as seek to examine the connections between their own personal and cultural knowledge, popular/mass media knowledge, and mainstream academic knowledge, especially in considering the power of texts to transform society. Students will complete three to four formally drafted essays each semester, as well as sit for exams covering specified units of study. Students will also be expected to submit less formally written pieces focusing on other aspects of class.

Course: Introduction to Creative Writing
Prerequisite: None
Length: Semester-long class offered in the first semester

Introduction to Creative Writing is an entry-level course designed to help students learn to incorporate writing in their lives and to expose them to a workshop environment. Reading and writing activities will cover the basic elements of the four main genres of creative writing: fiction, poetry, drama, and nonfiction. Students will study the techniques of each genre through handouts, selections in the text, and the creation of their own pieces. There will be a short test and cumulative project at the end of each unit over the specific writings and practices we’ve covered. In lieu of a final exam, students will create a portfolio containing polished writing samples, a personal writing metaphor, and a self-evaluation. At the end of this semester, students will be familiar with themselves as both writers and critics.

Course: Advanced Creative Writing: Drama
Prerequisite: Introduction to Creative Writing (or instructor permission)
Length: Semester-long class in the second semester
Special Note: This satisfies 1 credit of advanced coursework from the English graduation requirements

Advanced Creative Writing: Drama is an advanced elective course centered around the workshop environment. It is expected that students in this class already harbor a genuine interest in writing plays and scripts. While we will cover concepts of basic story writing (characterization, scene/act structure, stage direction, etc.) and major authors in the genre, students will spend the majority of the class establishing personal writing practices and developing their unique narrative perspective. In short, there will be reading, writing, and much discussion of students’ own work.

Course: Advanced English: The Art of Public Speaking
Prerequisite: Great Books or equivalent 10th grade course
Length: Semester-long class
Special Note: This satisfies 1 credit of advanced coursework from the English graduation requirements

No matter what path life leads you on, at some juncture public speaking will be a part of your journey. In this course, students will read, listen to, and analyze speeches written by some of the greatest writers and thinkers from around the world. Exploring the historical context of the speeches studied, we will analyze the dynamic nature of language and the immense power of words. Building upon these skills, students will craft their own style of speech writing and delivery.

Course: Advanced English: Contemporary African American Literature
Prerequisite: Great Books or equivalent 10th grade course
Length: Semester-long class
Special Note: This satisfies 1 credit of advanced coursework from the English graduation requirements

In this course, we will explore the living canon of African American literature. Some of the writers we will study are novelists, poets, and playwrights, but there are also journalists, lyricists/songwriters, comedians, and essayists. These authors and their work are prevalent and instrumental in modern American society. Students will examine a variety of genres rooted in Black culture and oral tradition, including Afrofuturist literature. We will look at these works through a creative, historical, and celebratory lens focusing on a multitude of ways authors portray the vast and vibrant Black experience. Students will actively engage with the readings, not only through class discussions, but also through in-class activities and written reflections.
Course: Advanced English: Literature & The Environment  
Prerequisite: Great Books or equivalent 10th grade course  
Length: Semester-long class  
Special Note: This satisfies 1 credit of advanced coursework from the English graduation requirements

From the beginning American writing has concerned itself with the story of people and the natural world. ‘Environmental writing’ takes as its subject the collision between people and the rest of the world, and asks searching questions: Is it necessary? What are its effects? Might there be a better way?” — Bill McKibben

This advanced English elective will explore the history of American environmental writing from the 19th century to contemporary times. By reading and discussing works from writers such as Ralph Waldo Emerson, Henry David Thoreau, Emily Dickinson, John Muir, Teddy Roosevelt, Aldo Leopold, Gary Snyder, Leslie Silko, Rachel Carson, Annie Dillard, Sigurd Olson, and Bill McKibben, students will gain an appreciation for the role environmental literature has played in shaping our nation’s environmental and ecological conscience. While we will be reading some awesome literature, we will also be getting outside often to hike, meditate, journal and reflect on the role nature and green spaces have in our lives.

Course: Advanced English: Gothic Literature  
Prerequisite: Great Books or equivalent 10th grade course  
Length: Semester-long class  
Special Note: This satisfies 1 credit of advanced coursework from the English graduation requirements

Monsters and the idea of the monstrous have been a part of human culture since the dawn of time — from vampires and ghosts to beasts and demons. It is therefore no wonder that such monsters turn up quite frequently in literature. Those works (termed “the Gothic”) that deal with such monsters and the terror and horror they inspire will form the foundation of this course. What makes monsters such a fascinating field of study is how such monsters reveal larger anxieties about a given cultural milieu. In other words, what we fear tells us a great deal about who we are. So, at the same time that we explore dark fiction across time and space, we will look within ourselves to understand our own fears and, ultimately, our own selves.

Course: Advanced English: Rhythm, Rhyme & Resistance  
Prerequisite: Great Books or equivalent 10th grade course  
Length: Semester-long class  
Special Note: This satisfies 1 credit of advanced coursework from the English graduation requirements

Poetry and music have always held a mirror to the world, reflecting the things going on around us, and, arguably, music changes society like no other art form. In this course, we will examine the unique phenomenon of literature that has transformed American culture and society. Through a daily exploration of poems, songs, and other diverse writings, students will actively engage with literary works that sing the language of resistance, social
justice, and empowerment. Students will discover the revolutionary pulse and power of voices that challenge ideas and deepen collective human experience – from Billie Holiday to Billie Eilish and more. A considerable amount of class time will be devoted to exploring these socially reflective works with the goal of helping students find their own voice through creative writing expressions.

Course: Advanced English: Speculative Fiction
Prerequisite: Great Books or equivalent 10th grade course
Length: Semester-long class
Special Note: This satisfies 1 credit of advanced coursework from the English graduation requirements

Speculative Fiction is writing that deals with the genres known as science fiction and fantasy. Speculative fiction certainly sounds academic, but at its heart, it’s all about the impossible, the improbable, and the magical. Science fiction author Robert Sawyer argues that science fiction deals with things that might possibly happen (or, in the case of the sub-genre of science fiction known as alternate history, things that possibly could have happened); fantasy deals with things that never could happen. In either case, both of these genres allow for the human condition to be explored in powerful and wonderful ways. I’ve grown up reading both genres, and I’m really looking forward to sharing with you some of the seminal novels, films, and short stories that define them.

Course: Advanced English: Survey of World Literature: Cultural Clashes & Conflicts
Prerequisite: Great Books or equivalent 10th grade course
Length: Semester-long class
Special Note: This satisfies 1 credit of advanced coursework from the English graduation requirements

Literature is used in various world cultures to teach, to explain history, to entertain, and to unite. In this course, students will engage in the reading and study of varied texts representing diverse parts of the globe. Students will read novels, short stories, and articles related to a vast array of cultures, focusing on how past and present cultural clashes and conflicts are portrayed in these works. While gaining insight into new cultures and expanding their cultural competence, students will also refine and sharpen their writing and analytical skills and make connections between all of the works they will study. Films, guest speakers, and potential field trips will enhance the course by giving students a chance to interact with and to view members of the cultures they study. Works studied will reflect the cultures of Rwanda, Kenya, Nigeria, South Africa, Iran, Laos, Saudi Arabia, and others.

Course: Advanced English: Versus Literary Battles: Classic vs. Contemporary
Prerequisite: Great Books or equivalent 10th grade course
Length: Semester-long class
Special Note: This satisfies 1 credit of advanced coursework from the English graduation requirements

There are certain themes, plots, and even characters that resurface throughout the literary timeline. In this class, we put them into head-to-head battle to see which writer did it “better.” Beginning with poetry, progressing to short stories, plays, and ending with novels,
students will read, understand thematic connections within, analyze implementation and interpretations of themes, and evaluate which piece boasts the greatest resonation. Along the way, students will try their own hand at recreating these classic themes.

Course: AP English Language & Composition
Prerequisite: Great Books or equivalent 10th grade course; see ‘Who Should Sign Up for an Advanced Placement Class?’ and ‘Expectations about Advanced Placement Classes’ at start of this guide.
Length: Year-long class
Special Note: This satisfies 2 credits of advanced coursework from the English graduation requirements.

AP English Language & Composition is designed to mirror a college-level composition class. Its primary goal is to help students “write effectively and confidently in the college course across the curriculum and in their professional and public lives” (The College Board, AP English Course Description, May 2007, May 2008, p. 6). In this course, students will strive to become critical readers, analytical writers, and successful communicators.

While the objectives and requirements listed in the AP English Course Description guide the organization of this course, multi-week thematic units center on the discussion and analysis of an American cultural myth in order to encourage students to think critically about their beliefs and their world. Selections for each unit are composed of written and visual texts including (but not limited to) essays, political writing, autobiographies, social-science writing, criticism, cartoons, posters, and advertisements. Each unit will be anchored by a multi-drafted piece of writing on which students will receive peer and teacher feedback. This writing is evaluated based on effective and appropriate use of a variety of vocabulary and sentence structure, logical organization, development and support of ideas and claims, effective use of rhetoric (including tone, voice and emphasis), and an understanding of purpose and audience (The College Board AP English Course Description, May 2007, May 2008. p. 8).
**Course:** AP English Literature & Composition  
**Prerequisite:** Great Books or equivalent 10th grade course; see ‘Who Should Sign Up for an Advanced Placement Class?’ and ‘Expectations about Advanced Placement Classes’ at start of this guide.  
**Length:** Year-long class  
**Special Note:** This satisfies 2 credits of advanced coursework from the English graduation requirements.

In this course, we will read selected works of American, British, and Global literature. Beyond exposing ourselves to a number of excellent (and enjoyable) pieces of writing, the focus of this course is to understand how structure and style work to create and enhance meaning. Writing will be a major part of the course, as will be close reading. In-class AP-style essays, informal personal responses, and take-home essays will be practiced regularly. The primary goal will be to develop the necessary skills and knowledge in order to perform well on the AP exam at the end of the year.
Social Studies and History

Course: World History
Prerequisite: None
Length: Year-long class
Special Note: This (or AP World History) is the standard 9th grade social studies class.

This course is a broad study of human history. It will touch on the major developments of human civilization across the globe. Roughly equal attention will be paid to each region and period covered, giving students a wider perspective of the events and peoples that shaped our world. Particular focus will be on the development of historical thinking and writing skills, which will prepare students for future history courses at University and beyond.

Course: AP World History: Modern
Prerequisite: See ‘Who Should Sign Up for an Advanced Placement Class?’ and ‘Expectations about Advanced Placement Classes’ at the start of this guide.
Length: Year-long class
Special Note: This (or the regular World History course) is usually taken as a 9th grader. Other students may take this course as an elective.

The AP World History: Modern course is a global study of human history, concentrating on the period between 1200 C.E. and the present. Given such a breadth of time and geography, the course is organized to focus on developing students’ skills of historical analysis using a thematic approach. It is taught at the level of a college survey course, and it follows the guidelines provided by College Board’s Advanced Placement program. As such, the academic expectations, amount of reading and writing, and testing are significantly greater than in the regular World History class.

Course: U.S. History
Prerequisite: World History, AP World History, or equivalent 9th grade course
Length: Year-long class
Special Note: This (or AP U.S. History) is usually taken as a 10th grader.

If we want to understand our country and ourselves, we need to know the character of the land and why people in this country act as they do. Therefore, this course covers the major political, social, economic, diplomatic, and military events that shaped life in the United States. The class will focus on more modern topics. The first semester will begin with an investigation of some of the foundational ideas of the country (by looking at the Declaration of Independence, Constitution, and the Reconstruction Amendments), then move to the ‘Gilded Age’ following the Civil War and will end with the Second World War. The second semester will begin with the changes in American life in the 1950s and will end with an overview of the U.S. in the early 21st century.

The focus on more modern topics will allow for two primary goals to be met. First, we’ll see more clearly where the factors directly affecting our lives today came from. Second, there will be room for more small group or individual investigation of topics of special interest. The course requires students to learn specific factual material, using primary and
secondary sources, then analyze and synthesize that information through taking tests, writing essays, writing papers, and completing projects.

**Course:** AP United States History  
**Prerequisite:** See ‘Who Should Sign Up for an Advanced Placement Class?’ and ‘Expectations about Advanced Placement Classes’ at start of this guide.  
**Length:** Year-long class  
**Special Note:** This (or U.S. History) is usually taken as a 10th grader.

The AP U.S. History course covers the historical development of the U.S. from colonial times up to the 21st century. Students have to study and comprehend many specific historical events from this time span, as well as understand and connect them through the seven themes of U.S. history called out by the College Board: identity, work, exchange, and technology, peopling, power and politics, environment and geography, culture, belief and ideas, and America in the world. The AP U.S. History course follows the guidelines and requirements provided by the College Board’s Advanced Placement program, and it is taught with the academic expectations and rigor of a college survey course. Consequently, the amount of reading, testing, and writing is significantly more than the regular U.S. History course.

**Course:** AP Psychology  
**Prerequisite:** See ‘Who Should Sign Up for an Advanced Placement Class?’ and ‘Expectations about Advanced Placement Classes’ at the start of this guide.  
**Length:** Year-long class  
**Special Note:** This satisfies 2 credits of advanced coursework from the social studies graduation requirements.

Psychology is the systematic, scientific study of behaviors and mental processes. In this year-long course, students will be exposed to major thinkers, famous experimental studies, key concepts, and methods related to the field of psychology. This course follows the guidelines of the College Board’s Advanced Placement program and is consequently taught at an increased pace and with the heightened expectations of a college course.

**Course:** AP United States Government & Politics  
**Prerequisite:** See ‘Who Should Sign Up for an Advanced Placement Class?’ and ‘Expectations about Advanced Placement Classes’ at start of this guide.  
**Length:** Semester-long class  
**Special Note:** This satisfies 1 credit of advanced coursework from the social studies graduation requirements.

This AP Government & Politics: United States course addresses numerous topics including the history and content of the Constitution, the details of the legislative, executive, and judicial branches, and the interaction of all three. It also covers other subjects such as federalism, elections and campaigns, political parties, civil liberties, interest groups, and the relationship between the media and politics. This course follows the guidelines of the College Board’s Advanced Placement program and is consequently taught at an increased pace and with the heightened expectations of a college course.
Course: Advanced Social Studies: The Cold War: An International History  
**Prerequisite:** U.S. History, AP U.S. History, or equivalent 10th grade course  
**Length:** Semester-long class  
**Special Note:** This satisfies 1 credit of advanced coursework from the social studies graduation requirements

The Cold War ranged from 1945 to 1991, involving a great deal of the world. The threat of nuclear war, the orientation of society, entertainment, and politics around ideology, the use of covert political operations, and the use of outright military force pervaded this age. While the conflict centered around the United States and the Soviet Union, the course will also look at how other countries both viewed the standoff and were affected by it. Topics for this class will include the “hot wars” (Korea, Vietnam, Afghanistan), decolonization and the effect of the Cold War on the “Third World,” the Red Scare and how the Cold War affected entertainment, and the effects the Cold War had on countries beyond the U.S. and USSR, from Latin America, to Africa, to the Middle East, and to Asia. As sources, the class will use primary and secondary texts, as well as excerpts from appropriate literature, film, and television.

Course: Advanced Social Studies: Economics  
**Prerequisite:** U.S. History, AP U.S. History, or equivalent 10th grade course  
**Length:** Semester-long class  
**Special Note:** This satisfies 1 credit of advanced coursework from the social studies graduation requirements

This course will provide an introduction to both microeconomics and macroeconomics. Students will learn how individuals and businesses make economic decisions as well as how entire countries respond to economic dilemmas. In the process, students will study fundamental topics such as opportunity cost, supply and demand, trade, monopolies, unemployment, inflation, recessions, the banking system, how government policies impact the economy, and many others.

Course: Advanced Social Studies: Film History  
**Prerequisite:** U.S. History, AP U.S. History, or equivalent 10th grade course  
**Length:** Semester-long class  
**Special Note:** This satisfies 1 credit of advanced coursework from the social studies graduation requirements

This course will cover the history of motion pictures – from the first silent films to the present-day streaming era. Students will examine the cultural significance of each pivotal era of cinema history, with a focus on the industries that created these films and the audiences surrounding them. Films will be viewed as texts and art to be analyzed; they are not just pieces of entertainment, but also social and historical time capsules. The course will also track the constantly evolving technology and platforms for filmmaking. As an advanced social studies course, students will be expected to read historical texts and write formal essays and weekly film journals/reviews.

Course: Advanced Social Studies: Law in America
**Prerequisite:** U.S. History, AP U.S. History, or equivalent 10th grade course

**Length:** Semester-long class

**Special Note:** This satisfies 1 credit of advanced coursework from the social studies graduation requirements

This semester-long course will introduce students to numerous topics within the American legal system, including constitutional law, criminal law and procedure, tort law, and contracts law. Students will read challenging cases and articles in order to develop a better understanding of how the American legal system seeks to balance different interests in an effort to maximize fairness and justice. In doing so, students will be able to form their own opinions about the effectiveness of the justice system and consider possible legal reforms to help meet the justice system’s goals. Students will also write a research paper and perform an oral argument during the course of the semester.

**Course:** Advanced Social Studies: Modern African History

**Prerequisite:** U.S. History, AP U.S. History, or equivalent 10th grade course

**Length:** Semester-long class

**Special Note:** This satisfies 1 credit of advanced coursework from the social studies graduation requirements

This course will span recent African history from late colonization and imperialism, to decolonization and independence, and then to the post-independence period. For each of these we will overview the history generally and then focus in on the case studies that best illustrate the impacts of the systems at play and the experiences of individuals. We will approach these topics from multiple perspectives and historical schools of thinking. Students will be using a variety of texts, videos, and other sources throughout the course, including primary sources whenever possible.

**Course:** Advanced Social Studies: Sociology

**Prerequisite:** U.S. History, AP U.S. History, or equivalent 10th grade course

**Length:** Semester-long class

**Special Note:** This satisfies 1 credit of advanced coursework from the social studies graduation requirements

Sociology is the study of people in groups. This class investigates how the structures of society affect human behavior and interaction. The course takes a social issues perspective as students learn to use sociological frameworks and specific theoretical perspectives to creatively and deeply analyze the United States.
Mathematics

**Course:** Algebra I  
**Prerequisite:** None  
**Length:** Year-long class

This course will strongly emphasize number sense, working with fractions and decimals daily. Throughout the course, students will increase their ability to work with challenging algebraic equations and to interpret data. They will work with increasingly complex problems and applications of the mathematical ideas they are learning. Students are expected to start building a deeper understanding of the algebraic concepts and to start looking at why problems are set up the way they are, not simply memorizing a single approach to a problem. They will begin to truly see mathematics in the world around them. Different tools, such as graphing calculators and Desmos, allow for exploring mathematical ideas in a way that is not practical by hand. By the end of the year, students should be more comfortable with their ability to manipulate numbers and solve mathematical equations.

**Course:** Geometry  
**Prerequisite:** Algebra I  
**Length:** Year-long class (also offered during Summer Sessions 1 & 2)  
**Special Note:** With mentor and teacher approval, this course can be taken concurrently with Algebra II with Trigonometry.

Geometry is the oldest and most studied field of mathematics, largely due to its intuitive base. It is about shapes and figures and their relationships to one another. This course builds on the topics discussed in Algebra I and explores in detail the many different geometric figures and the complexity that can be pulled out of these seemingly simple figures. The purpose of this course is to explore these different figures, make conjectures about them, and then experiment with the conjectures using inductive and deductive approaches. This course focuses on hands-on activities in the development and testing of these conjectures. These hands-on activities may make use of different types of technology, ranging from paper and pencil to the graphing calculator, GeoGebra, and Desmos. By the end of this course, students will have an understanding of geometry as a coherent system of interrelated ideas and a thorough sense of how these ideas are developed, tested, and verified. Students who complete Geometry should advance to Algebra II or Algebra II with Trigonometry, based on recommendations from their current math teacher and a discussion with their mentor.

**Course:** Algebra II  
**Prerequisite:** Geometry  
**Length:** Year-long class  
**Special Note:** This course is intended for students who do not plan on taking an AP Calculus course. This class cannot be taken concurrently with Geometry.

This year-long course builds on the foundation laid in Algebra I and Geometry. Students are expected to think deeply about the foundation of the subject, instead of just memorizing facts. Students will learn about the importance of functions in mathematics and their
applications with real-world examples. Students will practice skills in preparation for standardized tests like the SAT and ACT and to ensure success in their future college courses. Topics in the class include relations and functions, linear and absolute value equations and inequalities, matrices, quadratic equations and functions, polynomials, algebraic fractions, logarithmic and exponential functions, conic sections (without transformations), arithmetic and geometric sequences, and counting principles, probability, and statistics.

It is strongly recommended that students who complete Algebra II advance to Functions & Trigonometry paired with either Finite Math A, Finite Math B, or Probability & Statistics. If a student has an additional year of high school, they may be eligible to take AP Statistics based on a teacher recommendation.

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**Course:** Algebra II with Trigonometry  
**Prerequisite:** Geometry with a grade of B- or higher  
**Length:** Year-long class  
**Special Note:** This course is intended for students who plan on taking an AP Calculus course. If students do not have a B- or higher in their previous mathematics course, they should speak with a mathematics teacher and their mentor to decide if this is the best course for them. With mentor and teacher approval, this course can be taken concurrently with Geometry.

In this year-long course, students will learn about the importance of functions in mathematics and apply them to real-world examples. The course develops advanced algebraic skills such as systems of equations, sequences and series, probability, advanced polynomials, rational functions, complex numbers, quadratics, logarithmic and exponential functions, and conic sections. In addition, students will study trigonometric functions using the Unit Circle, triangle trigonometry, and graphs of sinusoidal functions.

Students are expected to think deeply about the foundation of the subject, instead of just memorizing facts. Technology, in the form of graphing calculators and computer graphing applications, is an integral part of the course. Students are encouraged to purchase a TI-83 or 84 calculator (Plus or Silver editions). Traditional paper and pencil skills are also taught to reinforce the understanding of concepts and ensure students are not dependent on their calculators. Nearly every exam will include a calculator and a non-calculator portion.

Students who complete Algebra II with Trigonometry are eligible to take Precalculus and/or AP Statistics the following year.

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**Course:** Functions & Trigonometry  
**Prerequisite:** Algebra II  
**Length:** Semester-long class  
**Special Note:** This course is intended for students who do not plan on taking an AP mathematics course. This course is NOT recommended for students who have already taken Precalculus.

This course will focus on building students’ mathematical skills. Students are expected to think deeply about the foundation of the subject, instead of just memorizing facts. This
course covers topics from algebra and trigonometry at a level and emphasis appropriate for students who are preparing for mathematics courses at the college level. This is the recommended course after students complete Algebra II and is intended for students who are not pursuing AP mathematics courses. Students will practice skills required for solid scores on standardized tests like the SAT and ACT and success in their future college courses. Topics in the class include parent functions and transformations, triangle trigonometry, the Unit Circle, basic trigonometric curves, and law of sines and law of cosines. Students will need a scientific calculator.

**Course:** Finite Mathematics  
**Prerequisite:** Algebra II or Algebra II with Trigonometry  
**Length:** Semester-long class

This course covers a wide variety of real-world problems that can be modeled and solved using quantitative means. In science and industry, mathematical models are the major tools for analyzing and solving problems: What is a cost-efficient route for a garbage truck? How are flights scheduled to maximize profits? How can the future value of a stock be found? How long can renewable resources last? These are only a few of the problems we will learn to solve. By doing mathematics on practical problems, students gain the tools needed to understand and use the power of mathematics in the modern world. Topics covered will include graph theory, election theory, apportionment, and finance. Students will need a scientific calculator.

**Course:** Probability & Statistics  
**Prerequisite:** Algebra II or Algebra II with Trigonometry  
**Length:** Semester-long class offered in the second semester

This semester-long class will cover some of the topics addressed in AP Statistics but will not go as deep as the AP Statistics curriculum does. The class will spend approximately half of the semester working on probability and half learning about descriptive statistics. The probability section will cover basic probability, conditional probability, probability decision trees, and the many ways you use probability in everyday life. The statistics portion of the class will concentrate on how to use statistics to describe large sets of data, interpreting statistics, and understanding and creating visual displays of data. In addition, the class will spend a good deal of time on experimental design and how one correctly and creatively designs surveys and observational studies. Students in this class may, with the recommendation of the teacher, take AP Statistics the following year.

**Course:** Precalculus  
**Prerequisite:** Algebra II with Trigonometry with a grade of B- or higher  
**Length:** Year-long class (also offered during Summer Sessions 1 & 2)  
**Special note:** Teacher approval required if Algebra II with Trigonometry was not taken the year immediately prior to Precalculus

Algebra is the generalization of arithmetic, and calculus is the study of the dynamics of functions. Precalculus bridges the gap between the two, both in terms of content and approach. The course reviews topics from advanced algebra, focusing on graphing and functions. Students also study trigonometric functions, polar functions, and conics – all
tools that help better describe the world in mathematical terms. The course also includes a review of exponential and logarithmic functions. Precalculus is not a required course; students who elect to take this course should understand that it is demanding. Precalculus goes beyond the ability to deal successfully with equations and formulas. It requires a commitment to understanding and explaining the rationale of the topics covered.

**Course:** AP Calculus AB  
**Prerequisite:** Precalculus; see ‘Who Should Sign Up for an Advanced Placement Class?’ and ‘Expectations about Advanced Placement Classes’ at start of this guide.  
**Length:** Year-long class

AP Calculus AB is a college-level course. The text used is a college-level text, and students are expected to work at a rapid pace. The curriculum followed is the curriculum outlined by the organization that administers the Advanced Placement exam in May. Technology, in the form of graphing calculators, is an integral part of the course. Students are encouraged to purchase a TI-83 or 84 calculator (Plus or Silver editions). Students are required to think “outside of the box” in AP Calculus AB, putting many different ideas together in order to solve a problem.

The course begins with a short review of pertinent material covered in Precalculus. The first semester is used to discover how the derivative of an equation is found and how that derivative is used. There are many applications of the derivative, and the students are exposed to a variety of these situations. In the second semester, students work with integrals. Again, they are expected to use their knowledge to solve a wide range of applications.

The course is a rigorous one, but it is one that, with effort, can be successfully completed. It prepares students for a college-level calculus class, and in many instances, a student can place out of a college class with a good score on the AP exam in May.

The class’s major topics include limits and their properties, differential calculus, applications of derivatives, integral calculus, applications of integration, and differential equations.

**Course:** AP Calculus BC  
**Prerequisite:** AP Calculus AB; see ‘Who Should Sign Up for an Advanced Placement Class?’ and ‘Expectations about Advanced Placement Classes’ at start of this guide.  
**Length:** Semester-long class

AP Calculus BC is a college-level course that follows the guidelines and requirements provided by the College Board’s Advanced Placement program. This course is equivalent to a first-year Calculus II course, and it will be taught with the academic expectations and rigor of a college-level course. This course will prepare students for advanced college-level math classes, and with a good score on the AP exam, a student can place out of the equivalent college class.

The topics covered include integration using partial fractions, integration by parts, improper integrals, Euler’s method, a review of volume of solids of revolution, arc length,
area of surfaces of revolution, review of sequences and series, tests for convergence, Taylor and Maclaurin polynomials and approximations, power series, Taylor and Maclaurin series, review of parametric equations and polar coordinates, tangent lines with parametric equations, arc length in parametric and polar coordinates, review of polar graphs, area and tangent lines in polar coordinates, and logistic functions.

Students will also use class time to practice AP-style questions to prepare for the AP exam in May. If time allows, we will also cover additional topics in calculus, including in-depth examples and real-world applications.

**Course:** Multivariate Calculus & Differential Equations  
**Prerequisite:** AP Calculus BC  
**Length:** Year-long class

Multivariate Calculus & Differential Equations investigates calculus with different coordinate systems and multiple variables, following a discussion-based format covering both analog and digital methods. The course explores topics that are studied in a typical college-level third semester calculus course, including vectors and vector-valued functions, non-Cartesian coordinate systems, differentiation in several variables, optimization in several variables, multiple variable integration, and line and surface integrals. The course concludes with an introduction to differential equations. Topics may include solving exact first-order equations, solving second-order homogeneous and non-homogeneous linear equations, and exploring applications to various fields.

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**Course:** Advanced Topics in Mathematics  
**Prerequisite:** AP Calculus AB  
**Length:** Semester-long class

This course will create a bridge from calculus-based courses that involve mathematical calculations to theoretical upper-level mathematics courses where students will work to prove theorems and grapple with mathematical abstractions. Topics can include but are not limited to proof and logic for coding and data science, higher-level probabilities, financial math, graph theory, number theory, and math history. Other topics may also include game theory, differential equations, linear algebra. Students should take this course if they are interested in more mathematics after AP Calculus AB and if they are interested in exploring advanced mathematics in preparation for a math-heavy degree at the college level.

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**Course:** AP Statistics  
**Prerequisite:** Algebra II with Trigonometry; others with teacher and mentor approval; see ‘Who Should Sign Up for an Advanced Placement Class?’ and ‘Expectations about Advanced Placement Classes’ at start of this guide.  
**Length:** Year-long class

The AP Statistics course is equivalent to a one-semester, introductory, non-calculus-based college course in statistics. The students use computer-based statistics programs as well as a graphing calculator in this course; technology is an important part of mathematics at this level. The purpose of the AP course in statistics is to introduce students to the major
concepts and tools for collecting, analyzing, and drawing conclusions from data. Students are exposed to four broad conceptual themes:

1. Exploring data: describing patterns and departures from patterns
2. Sampling and experimentation: planning and conducting a study
3. Anticipating patterns: exploring random phenomena using probability and simulation
4. Statistical inference: estimating population parameters and testing hypotheses

This course is a rigorous one, but it is one that can be completed successfully with work.
Science

**Course:** Biology  
**Prerequisite:** None  
**Length:** Year-long class  
**Special Note:** This is the standard 9th grade science course.

This course serves as an introduction to biology. Students learn about cellular and molecular biology, genetics, evolution, ecology, and some of the systems of the human body. In addition to learning factual information in each of these areas, students are expected to explore the interactions and interrelationships of the different fields. This is accomplished through frequent experiments, paper-and-pencil activities, and in-class discussions. The course emphasizes biology as a dynamic and growing field of study by including in discussions and activities areas where knowledge is changing and expanding. It is important for students to understand that biology is not simply a finished subject found only in a textbook.

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**Course:** Anatomy & Physiology  
**Prerequisite:** Biology  
**Length:** Year-long class

This course explores the anatomy and physiology of the human body. Students study the major structures within the body on both a macro and micro scale, learning to identify those major structures using appropriate vocabulary. Students build an understanding of how the various parts are arranged and interconnected. Students also study how the different systems within the body work, in addition to learning what signals are used and what pathways are followed. While studying the structures and functions of the healthy body, students also learn what happens when there is a malfunction or disease. By the end of the course, it is expected that students have an increased appreciation for and be able to discuss the structures and functions of the human body in an informed manner.

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**Course:** Environmental Science  
**Prerequisite:** Biology, Chemistry, and Algebra II (can be taken concurrently)  
**Length:** Year-long course

Environmental Science is an interdisciplinary science course that examines the interactions between the environment and humans. In this course, students will build on their foundational knowledge of biology and chemistry. Students will become versed in systems thinking and gain an understanding of the interconnectedness of our world. Students will study interactions at scale – from a single individual to 7.6 billion people – and at varying levels – from local to global.

The primary objective is for students to be able to evaluate the complexity of environmental problems our world is facing today using scientific evidence. The course will focus broadly on the study of demographics, energy resources and climate change, soil and water resources, and sustainability.
Much of the learning in this course will occur through discussions, collaborative efforts, frequent experiments, and outdoor fieldwork. Outdoor fieldwork on campus and at off-site locations will occur weekly and will be major components of the course. Students do not need to have prior outdoor knowledge or skills; however, they should be ready to participate under a variety of different weather conditions. Remember, there is no such thing as bad weather, only bad gear!

Course: Zoology: Invertebrates
Prerequisite: Biology
Length: Semester-long class offered in the first semester
Special Note: Students that enroll in this course should be comfortable with dissection and working in the laboratory setting.

Zoology is a laboratory science emphasizing the process of scientific investigation through the study of living things. The course is specifically designed to study the major phyla of invertebrate animals: Porifera, Cnidaria, Platyhelminthes, Nematoda, Mollusca, Annelida, Arthropoda, and Echinodermata. Invertebrates account for 95% of the animal diversity on our planet. We will explore this amazing degree of diversity through lecture, animal dissections, behavioral labs with living organisms, and guest speakers/field trip. The overall goal of this course is to foster a deeper appreciation for non-vertebrate organisms and to encourage a hands-on approach to science.

Course: Zoology: Vertebrates
Prerequisite: Biology
Length: Semester-long class offered in the second semester
Special Note: Students that enroll in this course should be comfortable with dissection and working in the laboratory setting.

Zoology is a laboratory science emphasizing the process of scientific investigation through the study of living things. The course is specifically designed to study Phylum Chordata and the major classes of vertebrate organisms. We will use the overarching themes of evolution, animal design, and comparative body systems to explore the differences between vertebrate organisms. Lecture, animal dissection, outdoor field days, guest speakers, and field trips will be used. Students will also be required to study and learn local Indiana species identification. The overall goal of this course is to foster a deeper appreciation of vertebrate organisms and the evolution of their specific adaptations.

Course: AP Biology
Prerequisite: Biology and Chemistry; see ‘Who Should Sign Up for an Advanced Placement Class?’ and ‘Expectations about Advanced Placement Classes’ at start of this guide.
Length: Year-long class
Special Note: While not required, taking the Anatomy & Physiology or Zoology classes prior to AP Biology is encouraged.

This course is a college-level course designed to challenge students to extend their knowledge of biological theory and processes. Students will increase their factual knowledge of biology. The course will provide students with an understanding of the larger
concepts and underlying themes of biology, and in addition, present biology as a dynamic process. The themes covered will include evolution, energy transfer, continuity and change, regulation, interdependence in nature, structure vs. function, science as a process, and science in technology and society. In general, the course content will follow that set by the College Board for an AP Biology course.

Course: Chemistry  
Prerequisite: Biology and Algebra I  
Length: Year-long class  
Special Note: This is the standard 10th grade science course

This is a first-year, laboratory-based course designed to give students an opportunity to explore a variety of topics in general chemistry. Chemistry is the study of matter, its structure, properties, and composition, and the changes that matter undergoes. In this course, students will study the fundamental principles of chemistry, which allows them to study all the major subdivisions of chemistry in greater depth in future courses.

The laboratory portion of this course reinforces concepts and processes discussed in class and provides a hands-on experience that directly connects with the lecture/textbook material. During the lab, students will use LabPro units attached to their computers to collect and analyze various types of numerical data. Students will usually work in pairs during the lab.

Course: AP Chemistry  
Prerequisite: Chemistry; see ‘Who Should Sign Up for an Advanced Placement Class?’ and ‘Expectations about Advanced Placement Classes’ at start of this guide.  
Length: Year-long class

This course is equivalent to a first-year college general chemistry course. It will build upon the principles studied in the 10th grade Chemistry course and explore new topics. The following topics will be covered: measurement, atoms, chemical bonding, chemical reactions, states of matter, solutions, equilibrium, acids/bases, thermodynamics, reaction rates (kinetics), electrochemistry, organic chemistry, and coordination chemistry. There will be greater emphasis on the mathematical formulations associated with these chemical principles than in a first-year chemistry course.

Students may work independently or in pairs in the laboratory, and the laboratory activities will reinforce concepts and processes discussed in class. The nature and variety of laboratory experiments will also be more detailed than in a first-year chemistry course. During the lab, students will use LabPro units attached to their computers to collect and analyze various types of numerical data.
Course: Astronomy
Prerequisite: Biology and Chemistry
Length: Year-long class

The course offers a broad survey of our modern understanding of the cosmos and how astronomers have built that understanding. It assumes no prior knowledge of astronomy or physics, but it does occasionally use basic algebra. It emphasizes process as well as facts and is a solid introduction to how science is done. Because astronomy is an observational science, the students will use computerized laboratory exercises to collect and analyze data. From ancient views of the solar system to the existence of extra-solar planets, from the birth and death of stars to black holes, from globular clusters to near and ancient galaxies, from familiar cosmic geometries to exotic ones, the course helps students understand their place in the universe.

Course: Physics
Prerequisite: Algebra I, Geometry, Algebra II (Algebra II can be taken concurrently)
Length: Year-long class

This course covers topics such as Newtonian mechanics, electricity, magnetism, energy, optics, waves, and selected topics in modern physics. Students will explore these topics both qualitatively and quantitatively through hands-on experiences and class discussion. A willingness to engage oneself in deeply scientific thought and analytical challenge makes this a rewarding course.

Course: AP Physics C: Mechanics and AP Physics C: Electricity & Magnetism
Prerequisite: Physics; AP Calculus is a co-requisite or prerequisite; see ‘Who Should Sign Up for an Advanced Placement Class?’ and ‘Expectations about Advanced Placement Classes’ at start of this guide.
Length: These are two semester-long classes, offered in sequence as a year-long class.

The goal of this course is to provide an introductory college-level understanding of calculus-based mechanics, electricity, and magnetism. This will be done through student-driven discussions, problem solving, and laboratory experiments.
Course: French 1  
Prerequisite: None  
Length: Year-long class

This is an introductory French language and culture course and is designed for students who have had little or no previous French study. The course includes work in the three modes of communication (interpersonal, interpretive, and presentational) as well as an introduction to French and Francophone cultures. Students will be introduced to the rules of French pronunciation and to the basic structure of the language, including present-tense regular and irregular verbs, gender of nouns and adjective agreement, the use of articles (indefinite, definite, etc.), simple comparisons, basic question forms, and the past and near future tenses. Topics of study will include describing people and places, school, food and restaurants, clothing, air and train travel, summer and winter sports, and the weather.

Course: French 2  
Prerequisite: French 1 or by placement  
Length: Year-long class

French 2 is a language and culture course that is designed for students who have had one year of high school French. The curriculum includes work in the three modes of communication (interpersonal, interpretive, and presentational) as well as a deeper overview of French and Francophone cultures. After a review of first-year content, students will be introduced to new grammatical structures, including reflexive and reciprocal verbs, direct and indirect object pronouns, the two past tenses (passé composé and imparfait), the simple future, the conditional, and relative pronouns. Topics of study will include daily routines, the arts, health and medicine, technology, banking and postal services, cooking, driving and public transportation, the city, and the country.

Course: French 3  
Prerequisite: French 2 or by placement  
Length: Year-long class

French 3 is a language and culture course that is designed for students who have completed two years of high school French. The program includes a cultural component as well as work in the three modes of communication (interpersonal, interpretive, and presentational) with a special emphasis on reading comprehension and vocabulary acquisition. The class is conducted mostly in French. Students will review previously learned grammar structures and be introduced to more advanced structures, including the subjunctive, demonstrative pronouns, interrogative pronouns, possessive pronouns, indefinite expressions, the past conditional tense, and the past perfect tense. Topics of study will include work, travel, leisure activities, housing, technology, French history, nature, and health.
Course: French 4  
**Prerequisite:** French 3 or by placement  
**Length:** Year-long class

French 4 is a language and culture course that is designed for students who have completed three years of high school French. The program includes a cultural component as well as work in the modes of communication (interpersonal, interpretive, and presentational), with a special emphasis on essay writing and vocabulary acquisition. Students at this level are expected to have already learned the rules of French grammar, including the formation and use of all verb tenses and the proper use of articles, pronouns, prepositions, adjectives, and adverbs. Basic structures will be reviewed as needed, but only the most complex grammatical structures will be taught formally. The course is conducted entirely in French. The main goals of this course are to expand students’ vocabulary and ability to read authentic French literary and non-literary texts, refine their use of French grammar, increase their ability to write formally and speak extemporaneously on a variety of topics, and to improve their understanding of spoken French in a variety of contexts.

Course: AP French Language & Culture  
**Prerequisite:** French 4 or consent of instructor; see ‘Who Should Sign Up for an Advanced Placement Class?’ and ‘Expectations about Advanced Placement Classes’ at start of this guide.  
**Length:** Year-long class

The AP French Language & Culture course emphasizes communication (understanding and being understood by others) by applying interpersonal, interpretive, and presentational skills in real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The course is structured around six themes: beauty and aesthetics, contemporary life, families and communities, global challenges, personal and public identities, and science and technology. Students are expected to engage in spoken and written interpersonal communication; synthesize information from a variety of authentic print and audiovisual resources; and plan, produce, and present spoken and written presentational communications. To best facilitate the acquisition of language, the course is taught entirely in French.

Course: Spanish 1  
**Prerequisite:** None  
**Length:** Year-long class

This is an introductory Spanish language and culture course and is designed for students who have had little or no previous Spanish study. With culture as the foundation, the students will work with the three primary modes of communication: interpretive, interpersonal, and presentational. Within these various modes, students will listen, view, and read a variety of authentic materials from the Hispanic world and will learn to decipher meaning and communicate their thoughts and opinions on a variety of topics. Students will be strongly encouraged to speak and write to communicate to other audiences within and beyond the walls of the classroom. Students will also be encouraged to seek out words and phrases that are purposeful and interesting as a means to personalize their learning experience.
Course: Spanish 2  
Prerequisite: Spanish 1 or by placement  
Length: Year-long class

This course is designed for students who have completed one year of Spanish instruction at the high school level or equivalent. Continuing with culture as the foundation, the students will continue their work with the three primary modes of communication: interpretive, interpersonal, and presentational. Students will continue to enrich their vocabulary and utilize it in more complex written and spoken contexts for a variety of audiences. Instruction will primarily occur in Spanish in order to help students acclimate to higher levels of language instruction and further develop their interpretive skills. A wide variety of texts and authentic resources will be utilized as springboards for discussion and interpretation. Students will also be encouraged to seek out words and phrases that are purposeful and interesting as a means to personalize their learning experience.

Course: Spanish 3  
Prerequisite: Spanish 2 or by placement  
Length: Year-long class

This course is designed for students who have successfully completed two years of Spanish instruction at the high school level or equivalent. Utilizing multiple authentic cultural resources, the students will continue their work with the three primary modes of communication: interpretive, interpersonal, and presentational. Students will continue to enrich their vocabulary and utilize it in more complex written and spoken contexts with a variety of audiences. Instruction will primarily occur in Spanish and student production is expected to occur in the target language as well. A wide variety of texts, media, and audio/video resources will be utilized as springboards for discussion, interpretation, and analysis. Students will also be encouraged to seek out words and phrases that are purposeful and interesting as a means to personalize their learning experience as they explore the Spanish-speaking world and its wonders in more depth.

Course: Spanish 4  
Prerequisite: Spanish 3 or by placement  
Length: Year-long class

Spanish 4 is a language and culture course that is designed for students who have successfully completed three years of high school Spanish, the equivalent, or who have placed into this level through examination. Utilizing multiple authentic cultural resources, the students will continue their work with the three primary modes of communication: interpretive, interpersonal, and presentational. This course will continue to review the basic grammatical structures and will teach the more complex structures formally. The main goals of this course are to expand students’ vocabulary and to refine their skills in reading and understanding in authentic contexts. Students will read Hispanic literary and nonfiction texts, improve their formal writing, speak on a variety of topics, and improve their understanding of spoken Spanish. In order for students to be immersed in meaningful language, this course is conducted almost exclusively in Spanish to provide authentic input.
Course: AP Spanish Language & Culture  
**Prerequisite:** Spanish 4 or permission of instructor; see ‘Who Should Sign Up for an Advanced Placement Class?’ and ‘Expectations about Advanced Placement Classes’ at start of this guide.

**Length:** Year-long class

The AP Spanish Language & Culture course emphasizes communication (understanding and being understood by others) by applying the interpersonal, interpretive, and presentational modes of communication to real-life situations. This includes vocabulary usage, language control, communication strategies, and cultural awareness. The course is structured around six themes: beauty and aesthetics, contemporary life, families and communities, global challenges, personal and public identities, and science and technology. Students are expected to engage in spoken and written interpersonal communication; synthesize information from a variety of authentic print and audiovisual resources; and plan, produce, and present spoken and written presentational communication. To best facilitate the study of language and culture, the course is taught entirely in Spanish.

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Course: AP Spanish Literature & Culture  
**Prerequisite:** AP Spanish Language & Culture or permission of instructor; see ‘Who Should Sign Up for an Advanced Placement Class?’ and ‘Expectations about Advanced Placement Classes’ at start of this guide.

**Length:** Year-long class

The AP Spanish Literature & Culture course uses a thematic approach to introduce students to representative texts (short stories, novels, poetry, testimonies, and essays) from Peninsular and Latin American Spanish as well as Hispanic literature of the United States. The readings span from medieval to modern times, allowing students to examine the universality of literature and make comparisons and connections through historical and contemporary cultural contexts. Students will explore the interdisciplinary connections between literary works and other artistic forms of expression such as music, painting, architecture, and film. Students will focus on mastering and applying the terminology that textual analysis of literature requires and producing the analysis and interpretation of texts in both oral and written expressions of academic Spanish. All of the works from the required reading list for the AP Spanish Literature and Culture exam are read in full text form. All instruction, discussion, and writing is in Spanish in order to support the development of students’ language proficiency necessary for success in the AP Spanish Literature & Culture course and exam and beyond.
Course: Academic English  
Prerequisite: None  
Length: Year-long class

This course is designed for students whose English language skills need refinement. The focus will be on vocabulary building, academic writing, and targeted listening and speaking exercises to enhance linguistic accuracy and support student success in an English-speaking academic environment. All students for whom English is not their native language are welcome in this class.
Fine & Performing Arts

Course: Yearbook
Prerequisite: None
Length: Semester-long class offered in the first semester

Yearbook is a semester-long course that focuses on the study and practice of journalistic writing and photojournalism. Students in this class will be responsible for the production, publication, and marketing of the school yearbook. All aspects of yearbook production will be covered including graphic design, copywriting and editing, photographic composition, interviewing techniques, ad sales, and organizational and management skills. Students may take yearbook as a year-long class and will have the opportunity to focus more on digital design during the second semester.

Course: Yearbook / Digital Design
Prerequisite: None
Length: Semester-long class offered in the second semester

This course will study and practice the use of journalistic writing and photojournalism with a focus on the digital design aspect of journalism. Students will be responsible for completing Elements, the school yearbook. In addition, students will dive into the collection, creation, and presentation of audio, video, and photographic images. Students will learn the best practice in all three areas of digital media. Projects in this class will include the use of digital video and still cameras as well as photo editing software. The content created by this class will be published as part of the yearbook and on the school’s website.

Course: Choir
Prerequisite: None
Length: Year-long class

This course is designed for students in any grade who desire to participate in a vocal music ensemble. There is no prerequisite, although the ability to read music is strongly encouraged. Students will study music theory, learn vocal techniques and basic musicianship, sing in different languages, and study the cultural and historical context of the music. Performances will include traditional choir music as well as small groups (duets, trios, quartets). There are also accompanying opportunities in choir for students who play guitar and piano. Students interested in this accompanying opportunity should obtain teacher approval and register for choir.

Juniors and seniors may request Advanced Musicianship: Choir which is offered concurrent with choir.
**Course:** String Orchestra  
**Prerequisite:** At least two years of string orchestra experience, or permission of instructor  
**Length:** Year-long class

This course is designed for students in any grade who desire to participate in an instrumental music ensemble. Students must be able to play an orchestral string instrument and be able to read music. A variety of music styles will be studied and performed including string orchestra, chamber music, solo, and symphony orchestra literature through collaboration with the Wind Ensemble class. Students at all skill levels will improve their music theory, music history, and performance skills through a differentiated curriculum.

Juniors and seniors may request **Advanced Musicianship: String Orchestra** which is offered concurrent with String Orchestra.

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**Course:** Wind Ensemble  
**Prerequisite:** At least two years of prior band experience, or permission of instructor  
**Length:** Year-long class

This course is designed for students in any grade who desire to participate in an instrumental music ensemble. Students must be able to play a woodwind or brass instrument and be able to read music. A variety of music styles will be studied and performed, including traditional concert band music, jazz improvisation, chamber music, and symphony orchestra literature through collaboration with the String Orchestra and Percussion class. Students at all skill levels will improve their music theory, music history, and performance skills through a differentiated curriculum.

Juniors and seniors may request **Advanced Musicianship: Wind Ensemble** which is offered concurrent with Wind Ensemble.

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**Course:** Percussion Ensemble  
**Prerequisite:** At least two years of prior percussion or band experience, or permission of instructor  
**Length:** Year-long class

This course is designed for students in any grade who desire to participate in an instrumental music ensemble. Students must be able to play a percussion instrument and be able to read music. A variety of music styles will be studied and performed, including traditional percussion ensemble music, jazz improvisation, chamber music, and band and orchestra literature through collaboration with the String Orchestra and Wind Ensemble classes. Students at all skill levels will improve their music theory, music history, and performance skills through a differentiated curriculum.

Juniors and seniors may request **Advanced Musicianship: Percussion Ensemble** which is offered concurrent with Percussion Ensemble.
Course: Advanced Musicianship  
Prerequisite: Two years of high school music ensemble experience and permission of instructor  
Length: Year-long class

Advanced Musicianship is a semi-independent study and runs concurrently with their respective ensemble. This course is designed specifically for students with a high level of musical knowledge, experience, and ambition. Students must be able to play an instrument or sing at an advanced level and also exhibit a high level of motivation. In addition to performance with the ensemble, students will study important solo literature and research famous composers and performers who were influential in the development or expansion of their craft. Private lessons are strongly encouraged. Two years of prior high school music ensemble experience and teacher recommendation is required.

Course: Introduction to Music Technology  
Prerequisite: None  
Length: Semester-long class offered in the second semester

Introduction to Music Technology is an introductory course in the principles of audio and sound recording. In addition to music theory (through basic chord progressions), students will study sound waves, acoustics and the audio spectrum, console and signal flow, equalization and compression, microphones and their placement, effects, digital audio formats, and MIDI basic concepts through collaborative and individual projects.

Course: Introduction to Percussion  
Prerequisite: None  
Length: Semester-long class offered in the first semester

This class is designed for students who wish to learn how to read and play music or who would like to enhance their skills as musicians. The class will gain its knowledge of music with the aid of pitched and non-pitched percussion instruments. This is truly a beginning/early intermediate class. Students who have two or more years of experience as a percussionist should enroll in Percussion Ensemble. Students who excel in Intro to Percussion may register for Percussion Ensemble in subsequent semesters with teacher approval.

Course: Acting for Everybody  
Prerequisite: None (no prior theatrical knowledge or experience is needed for this introductory course)  
Length: Semester-long class offered in the first semester

This course is an improvisation (improv) acting class, and improv is for anyone. Improv teaches one to be present, listen, co-create, trust one’s instincts, and develop teamwork. Improvisation also builds self-confidence and self-awareness. This course will be taught through improvisational games and exercises, as well as by studying other improv performers. Acting for Everybody is not just for those who want to be an actor, but for
anyone who wants to learn these skills that could benefit any career choice. At the end of the semester, there will be an improv performance.

**Course:** Broadcasting  
**Prerequisite:** None  
**Length:** Semester-long class offered in the first semester

This course is a professionally oriented media course intended for students wanting to learn about all of the elements of broadcast journalism. Students will gain on-air experience, including announcing skills and production techniques, as well as producing, editing, and writing skills. Students will also learn how to live stream and will have opportunities to use their skills in the UHS community throughout the year.

**Course:** Theatre Production  
**Prerequisite:** None  
**Length:** Semester-long class offered in the second semester

This course is designed to deepen the understanding of all the elements that make up a theatrical production. Students will learn theatre production vocabulary, as well as the many and varied roles required to deliver a quality production by learning set design, how to operate a sound and light board, costuming/basic sewing, make-up design, and puppet making. In lieu of a final exam, students will pitch a mock production.

**Course:** Film Production  
**Prerequisite:** None (no prior theatrical knowledge or experience is needed for this introductory course)  
**Length:** Semester-long class offered in the second semester

In this course, students will learn the art of filmmaking from start to finish. In this project-driven course, students will learn cinematographic elements, including basic video editing, sound editing, storytelling, screenwriting, and create short films. Students will learn about and do all the jobs in front of and behind the camera, solo and in groups. This course concludes with a screening of student work at the end of the semester.

**Course:** Introduction to Art  
**Prerequisites:** None  
**Length:** Semester-long class

This course is an introductory studio course that develops skills, principles, and techniques in drawing, as well as other two-dimensional mediums. Students will develop an understanding of the principles and elements of design, basic vocabulary for describing visual aspects of their work, as well as a general understanding of the role art has played throughout history and influences on visual arts and culture. Demonstrations, slide lectures, and group and individual critiques will be the primary tools utilized during class time to allow students to fully develop their technical understanding of 2-D and 3-D space. This course will also introduce students to color theory and allow them to experiment with a variety of mediums.
Course: Introduction to Photography  
**Prerequisite:** None  
**Length:** Semester-long class

This class is an introduction to the fundamentals and principles of photography. Throughout the semester, students will gain a comprehensive knowledge of digital photography and develop a strong understanding of how to create imagery using composition and aesthetics. The primary content of the class will offer students the opportunity to elevate the quality of their imagery and appreciation of photography as an art form through the investigation of color, texture, composition, and lighting. With the addition of Adobe Lightroom and Photoshop, the students will learn to expand and explore their photography to create digital images.

Course: Advanced Photography  
**Prerequisite:** Introduction to Art or Introduction to Photo  
**Length:** Semester-long class

This course will allow students the opportunity to further refine and extend their skills in composition and aesthetic development. Over the course of the semester, students will explore a variety of subject matter and examine the process of building a portfolio of images. Students will create work that reflects their ability to generate ideas, themes, and concepts for their own photographic work. They also will develop the skills and vocabulary that allow them to think critically about their own images as well as the work of their peers.

Course: Graphic Illustration  
**Prerequisite:** Introduction to Art or Introduction to Photo  
**Length:** Semester-long class

This class is designed to introduce students to a range of approaches in digital illustration using a tablet. Students will explore the fundamentals of design in this digital platform and gain an understanding of how to translate a visual idea into a digital sketch through the use of line and space. Specific projects will aim to teach students the basic technical understanding of this digital platform as well as further develop their drawing skills. Each student will be provided with a tablet that they will then get to keep.

Course: Wearable Design  
**Prerequisite:** Introduction to Art or Introduction to Photo  
**Length:** Semester-long class

This course is geared toward students who are interested in both design and the construction of a functional form. Using three keystone projects, students will begin with an original idea and then ultimately bring that initial design to life. Throughout the semester, students will develop designs using Adobe Illustrator and then screen print their design on an article of clothing; they will design and create a pair of leather sneakers for themselves; and they also will digitally construct and then 3-D print a pair of sunglass frames.
Course: Painting I  
**Prerequisite:** Introduction to Art  
**Length:** Semester-long class

This course is designed for students with an interest in developing their skills in color mixing and expanding their understanding of how to represent three-dimensional space and forms. Throughout the semester, students will build upon the fundamentals of composition, focusing specifically on line, value, form, gesture, and color theory. Emphasis will be on understanding and applying these principles through a variety of projects including, but not limited to, still life, landscape, portraits, and organic abstraction. Multiple mediums will be explored such as, oil paint, watercolor, liquid graphic, and acrylic.

Course: Printmaking I  
**Prerequisite:** Introduction to Art  
**Length:** Semester-long class, offered during second semester

This studio course is an introduction to the fundamentals of traditional printmaking. There will be an overview of a wide range of printmaking techniques, with a closer introduction to five different printmaking processes: monoprint, collagraph, linocut, woodcut, and etching/drypoint. The emphasis of the course is learning the principles of design and developing and mastering basic techniques, with attention to composition. This approach includes working with representational subject matter as well as abstract subject matter. Demonstrations and slide lectures, as well as group and individual critiques, will be utilized throughout the course.

Course: Bookbinding I  
**Prerequisite:** Introduction to Art  
**Length:** Semester-long class

Students will gain a working knowledge of anatomy of the book and work on the form, construction, bindings, and craftsmanship of a book. They will also be introduced to the extended world of book arts, such as papermaking, sculptural techniques, and some printmaking. This will allow students to experiment with mixed media and a variety of different mediums as well as investigate the principles, techniques, and concepts in historical and modern bookbinding.

Course: Bookbinding II  
**Prerequisite:** Introduction to Art  
**Length:** Semester-long class

This course is an investigation of the principles, techniques, and concepts in historical and modern bookbinding. Students will also gain a working knowledge of anatomy of the book and work on the form, construction, bindings, and craftsmanship of a book. They will also learn about the conceptual aspects of shape, texture, movement, and composition. This course will also introduce students to the extended world of book arts, such as
papermaking, sculptural techniques and some printmaking. This will allow them to experiment with mixed media and a variety of different mediums as well.

**Course: Jewelry I**  
**Prerequisite:** Introduction to Art  
**Length:** Semester-long class

Discover your inner jeweler and explore the basics of metalsmithing and jewelry making while creating one-of-a-kind pieces. This class will teach the fundamentals of basic jewelry construction processes, safety protocols, and tool identification. Over the course of the semester students will explore the introductory techniques of metalsmithing and fabrication such as learning how to saw, file, texture, forge, rivet, and solder metal as well.

**Course: Textiles I**  
**Prerequisite:** Introduction to Art  
**Length:** Semester-long class

This course introduces students to the variety of materials and processes involved in hand-produced textiles. Throughout the semester, students will explore the methods in which textiles are constructed, make their own fabrics, and also learn the basics of how to sew. We will begin with the original fiber, spin it into yarn, weave it, knit it, crochet it, etc. There will also be a component of the course that is dedicated to learning how to use a sewing machine, as well as how to hand-sew fabric. There also will be a significant portion of the class dedicated to experimentation of surface design on textiles using natural and synthetic dyes.

**Course: Textiles II & III**  
**Prerequisite:** Textiles I  
**Length:** Semester-long class

This course will continue to build upon many of the techniques students learned during Textiles I. Students will be encouraged to further develop and hone skills such as spinning yarn, dyeing with natural materials, weaving, knitting, as well as embroidering and sewing. Various new dyeing processes will be introduced as well as approaches to manipulating fiber and fabric.

**Course: Portfolio**  
**Prerequisite:** at least 3 prior studio classes; at least a B in prior art class  
**Length:** Semester-long or year-long class

This course is a precursor to the senior year AP Drawing, Photography, or 3-D portfolio. It allows students to gain additional one-on-one attention with an instructor and develop their skills beyond the introductory and advanced courses offered. Throughout the semester, students will be exploring the Breadth portion of the final AP portfolio. Journaling will be a major component of the class as well. Goals for the semester are for students to develop an understanding and experiment with a variety of materials,
techniques, and concepts. Students will also regularly discuss and critique artwork with peers and their instructor.

**Course:** AP Studio Art: Drawing  
**Prerequisite:** Seniors only; see ‘Who Should Sign Up for an Advanced Placement Class’ and ‘Expectations about Advanced Placement Classes’ at start of this guide  
**Length:** Year-long class

For this AP course, students will create a portfolio of work that demonstrates inquiry through art and design and development of materials, processes, and ideas over the course of a year. For the AP Drawing course, students are expected to submit a portfolio of 15 digital images of works of art and process documentation that demonstrates sustained investigation through practice, experimentation, and revision.

The drawing portfolio is designated for work that focuses on the use of mark-making, line, surface space, light and shade, and composition. Students can work with any materials, processes, and ideas. Drawing, painting, printmaking, and mixed media work are among the possibilities for submission. There will also be a heavy emphasis on interpretation, analysis, and conceptual development of both the artists’ work as well as the work of their peers. Students should be prepared to regularly discuss artwork as a class as well as develop narratives and concepts in their own art.

**Course:** AP Studio Art: 2-D Design  
**Prerequisite:** Seniors only; see ‘Who Should Sign Up for an Advanced Placement Class’ and ‘Expectations about Advanced Placement Classes’ at start of this guide  
**Length:** Year-long class

For this AP course, students will create a portfolio of work that demonstrate inquiry through art and design and development of materials, processes, and ideas over the course of a year. For the AP 2-D course, students are expected to submit a portfolio of 15 digital images of works of art and process documentation that demonstrates sustained investigation through practice, experimentation and revision.

This portfolio is designated for work that focuses on the use of two-dimensional elements and principles of art and design. Students should consider how materials, processes, and ideas can be used to make work that exists on a flat surface. Students may work with any materials, processes, and ideas. Graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting, and printmaking are among the possibilities for submission. There will also be a heavy emphasis on interpretation, analysis, and conceptual development of both the artists’ work as well as the work of their peers. Students should be prepared to regularly discuss artwork as a class as well as develop narratives and concepts in their own art.
Course: AP Studio Art: 3-D Design
Prerequisite: Seniors only; see ‘Who Should Sign Up for an Advanced Placement Class’ and ‘Expectations about Advanced Placement Classes’ at start of this guide
Length: Year-long class

For this AP course, students will create a portfolio of work that demonstrates inquiry through art and design and development of materials, processes, and ideas over the course of a year. For the AP 3-D Art and Design portfolio, students are expected to submit a portfolio of 10 digital images of works of art and process documentation that demonstrates sustained investigation through practice, experimentation and revision.

This portfolio is designated for work that focuses on the use of three-dimensional elements and principles of art and design. Students should consider how materials, processes and ideas can be used to make work that involves space and form. Students can work with any materials, processes, and ideas. Figurative or nonfigurative sculpture, architectural models, metal work, ceramics, glasswork, installation, performance, assemblage, and 3-D fabric/fiber arts are among the possibilities for submission. There will also be a heavy emphasis on interpretation, analysis, and conceptual development of both the artists’ work as well as work of their peers. Students should be prepared to regularly discuss artwork as a class as well as develop narratives and concepts in their own art.
**Physical Education & Health**

**Course:** Physical Education  
**Prerequisite:** None  
**Length:** Semester-long class (also offered during Summer Session 1)

Students in this class will learn and develop many important skills, activities, and behaviors that promote physical fitness and wellness. University High School implements a comprehensive physical education program for all students to promote health and fitness by teaching skills in diverse physical activities and educating students on team dynamics, sportsmanship, cooperative effort, and the ability to think strategically. University High School believes it is important to develop a sound body as well as a sound mind.

**Course:** Advanced Physical Education: Strength & Conditioning  
**Prerequisite:** Physical Education or permission of instructor  
**Length:** Semester-long class

The course will focus on strength training and power in the weight room, with heavy emphasis on training the body for personal gain and sport-specific needs. The class will require a variety of warmup exercises used to prepare for training, with focus on various phases of movement: acceleration, speed, and agility. The course will require the use of free weights, agility ladders, hurdles, foam rollers, harnesses, and resistance bands. This is a class for highly motivated students interested in serious advanced strength and conditioning. Participants will demonstrate various lifts and exercises that promote strength, cardiovascular exercise, and core training. Students will be given programs based on personal needs or sport-specific programs.

**Course:** Sports Management  
**Prerequisite:** Physical Education or permission of instructor  
**Length:** Semester-long class offered in the second semester

This course will focus on sports management, facility management, and sports operations. This course will use principles and concepts of organization, decision making strategies, communication, personnel management, management of fiscal and physical resources, program evaluation, and legal issues in exercise related professions. This course is for students who are interested in athletics management, sports, and facility management.

**Course:** Advanced Physical Education: Yoga & Mindfulness  
**Prerequisite:** Physical Education or permission of instructor  
**Length:** Semester-long class

Students will be introduced to self-care practices that have been proven to nourish the systems of the body, increase mental focus, and restore emotional balance. Through exploring the physical, mental, and emotional benefits of yoga and mindfulness practices, students will be encouraged to reflect on personal thought patterns and behaviors that cause stress and anxiety while learning tools that empower better emotional self-regulation.
Various topics covered will aim to help students connect their inner and outer worlds and to become their own advocates for lifelong wellness.

**Course:** Health  
**Prerequisite:** None  
**Length:** Semester-long class (also offered during Summer Session 1)

University High School believes that health awareness is very important for students. There is a direct link between our overall health and wellness and how we perform on a daily basis—in academics and extracurricular activities. This course covers material from the assigned textbook and current event issues in order to improve upon our health and to make better choices and decisions. The course covers a variety of topics: wellness, personal care and body systems, sex education, tobacco, alcohol, and drug education, and nutrition.
Technology Courses

**Course:** Introduction to Computer Science  
**Prerequisite:** None  
**Length:** Semester-long class offered in the second semester

Introduction to Computer Science is designed to introduce students to the breadth of the field of computer science through an exploration of engaging and accessible topics. Rather than focusing the entire course on learning particular software tools or programming languages, the course focuses on the conceptual ideas of computing and helps students understand why certain tools or languages might be utilized to solve particular problems. The goal of this class is to develop the computational thinking practices of algorithm development, problem solving, and programming within the context of problems that are relevant to the lives of today’s students. Students will also be introduced to topics such as interface design, the limits of computers, and societal and ethical issues.

**Course:** IT Concepts: Networks, macOS, Hardware & Logic  
**Prerequisite:** None  
**Length:** Semester-long class offered in the first semester

This course will increase students’ knowledge and awareness of the technology they use every day. Students will learn about basic networking, macOS basics and troubleshooting, and computer hardware, and they will be introduced to logical structures, laying a foundation for programming. This course will also discuss current and emerging technology topics, breakthroughs, and advances. This course is meant to be introductory in scope and provides information beneficial to anyone using technology on a daily basis.

**Course:** IT Help Support  
**Prerequisite:** IT Concepts or Apple Help Desk  
**Length:** Semester-long class  
**Special Note:** This class counts as one-half credit.

Students in IT Help Support help the IT department by addressing problems that arise and by providing training to students and staff as necessary. One of the objectives is to give students insight into the life of an IT professional. It is designed to be self-directed with faculty in a supervisory role. As the workload for IT Help Support ebbs and flows, students will have down time that is to be used as a study hall. Therefore, this course is a 0.5 credit course. This course is offered both semesters and may be taken more than once.

**Course:** 3-D Modeling & Animation  
**Prerequisite:** None  
**Length:** Semester-long class

3-D Modeling & Animation will introduce students to a vast array of the industry standard techniques used to create digital media in the art and science industries today. Topics covered in this course are modeling, sculpting, texturing, rigging, kinematics/inverse kinematics, animation, camera/lighting setup, and rendering. Students will learn a variety of modeling techniques during this course. Some of them include assembly modeling,
freeform modeling, box modeling, environment modeling, and character modeling. The goal of this course is to develop the technical skills needed to create digital media to express one's ideas. Students will create a short animated film at the end.

**Course:** AP Computer Science A  
**Prerequisite:** Algebra II; see ‘Who Should Sign Up for an Advanced Placement Class?’ and ‘Expectations about Advanced Placement Classes’ at start of this guide.  
**Length:** Year-long class  
**Special Note:** Basic computer proficiency and literacy are needed.

AP Computer Science A is an introductory course in computer science. Because the development of computer programs to solve problems is a skill fundamental to the study of computer science, a large part of the course is built around the development of computer programs or parts of programs that correctly solve a given problem. A major objective of the class will be for students to be able to code fluently in an object-oriented paradigm using the programming language Java.
Other Courses

Course: Accounting  
Prerequisite: None  
Length: Semester-long class offered in the first semester

Accounting is the language of business. This course is an interesting and fun introductory look at the world of accounting. We will learn fundamental accounting concepts including analyzing, interpreting, and recording business transactions, commonly known as bookkeeping. We will also learn to prepare and analyze financial statements, bank reconciliations, and payroll transactions. There will also be some basic personal finance topics covered including check writing, credit, and budgeting. By the end of the course, the student should have some idea if they have any interest in possibly pursuing accounting and should have gained some knowledge to help them with their personal finances.

Course: Personal Finance  
Prerequisite: None  
Length: Semester-long class offered in the first semester

Would you like to know how to create a personal budget? Would you like to know what a credit score is and what affects your credit score? Would you like to know how credit and debit cards work? Should you buy or lease a car? Should you rent or buy a house? What do all the items on your auto insurance page mean? What is the purpose of the third fork to the left of your plate at dinner?

If any of these questions interest you or you would like to know more about personal finance, this class is probably for you. This is open to anyone, although it might be more beneficial to juniors and seniors.

Course: Leadership Through Service  
Prerequisite: For sophomores, juniors, and seniors; freshmen need instructor approval  
Length: Semester-long class offered in the first semester

This is a semester-long class designed for students who want to explore their community, develop leadership skills, and understand the role of service. The class will use a seminar format and include a blend of academic study and service learning. The teacher of the class will primarily act as facilitator; the class in large part will be taught by the students themselves. Classes will have a heavy emphasis on participation. Discussion and hands-on activities will be an important part of each class. In addition, the class will invite leaders in the community to share their stories with the students. A primary goal of the class is for students to learn how to become an effective leader in the University High School community and outside of school. In the fall semester, students will learn how to lead a group of peers. This may be by developing a service project in collaboration with a community partner as a part of Year of Service or developing a service project/club that does not operate in conjunction with the Year of Service but occurs during the fall semester.
**Course:** Research Scholars  
**Prerequisite:** Outstanding performance in a particular academic discipline and approval of the faculty of a given department  
**Length:** Usually semester-long, with an option for year-long  
**Special Note:** Open to senior students

Students who are accepted for this program will spend considerable time and effort to develop, research, and write an extensive thesis; they will also give an oral presentation of findings. Students will develop the initial idea for the project in the spring of their junior year, work on it over the summer, and continue the work through the first semester of their senior year. They will earn one credit upon its successful completion. Participation in this program will give a student significant experience in managing a complex independent research project, as well as the satisfaction of pursuing a topic of one’s own choosing. It will give a student considerable training for college honors/thesis programs, and it will enhance applications for college admission.

A junior student who is interested in pursuing this program for his or her senior year should speak to the Dean of Academic Affairs for more information.

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**Course:** Introduction to Linguistics  
**Prerequisite:** None  
**Length:** Semester-long class offered in the second semester

This is a semester-long class designed for students who want to continue their study of language but with a linguistic twist. Linguistics is the study of language and its functions. In this class, students will study phonetics, phonology, morphology, syntax, semantics, and pragmatics and apply this knowledge to various languages including Spanish and French. Classes will have a large emphasis on participation. Students will have the opportunity to explore the various branches of linguistics and apply it to a language that they know or have an interest in.
January Term 2022 Course Offerings

Course: 1968
Approximate Cost: < $200

1968 was a momentous year. As Americans watched news coverage of anti-war marches, student protests, rioting in the streets, and political assassinations, many began to feel that the world was spinning out of control. Revolution was in the air -- not just in the U.S., but across the globe -- and young people were often at the forefront of this worldwide movement. What was behind all this political and social upheaval?

To answer that question, we will immerse ourselves in the world of 1968 through news media reports, TV shows, and popular movies of the era. We will examine how people used fashion, music, and language to express their rejection of mainstream culture. And we will learn the stories behind the names and images associated with that tumultuous year. By taking an in-depth look at the people, ideas, and events that shaped 1968, we will see what made it exceptional, how it fits into the broader context of American culture, and how the social, cultural, and political divisions that developed then continue to have an impact more than 50 years later.

This class could possibly include local field trips or an overnight trip to Chicago to visit sites associated with the 1968 Democratic National Convention.

Course: Art Inspired by Math
Approximate Cost: < $100

Art can inspire math, and math can inspire art. In this class, you will be guided by mathematical concepts to create art projects. Math has many interesting patterns that we see every day in nature or in man-made objects. Frieze patterns repeat in one direction, and they have been used to decorate buildings. How might you use the seven different types of frieze patterns to create your own? DaVinci is known for using the Golden Ratio, which is related to the Fibonacci sequence, to realistically draw humans. How would you take the Fibonacci sequence and represent it in a piece of art? The Pythagorean theorem is used to create a square root spiral. How will the square root spiral inspire a piece of art for you? How could understanding three dimensional solids help you create unique geometric sculptures or even a tetrahedral kite? Have you ever wondered how a kaleidoscope works? Understanding the concept of reflection will help you to create beautiful art to be seen through a kaleidoscope.

In this January Term course, we will not have sets of math problems to do. Instead, we will discuss math concepts that are accessible to any high school student. Students will then use their creativity to create a piece of art incorporating the math concept. If you enjoy both math and art, this is the class for you!

Course: The Art of Wind
Approximate Cost: $300-$400
In this class, students will learn how we harness the power of wind to generate electricity, and they will then use that knowledge to create a work of art. Students will design and build their own functioning wind turbines and experimentally determine their efficiency. Students will use their turbines along with basic electric circuit concepts in order to power a lighted sculpture. Students will use the elements and principles of 3D design to guide them through their sculptural creation. This class integrates science, technology, engineering, art, and mathematics through the lens of wind power.

**Course:** Dance: What Moves Us  
**Approximate Cost:** $100-$200

Why do we dance? Why can our bodies express what our words can’t convey? In what ways does dance reflect our collective history? These are some of the questions we will attempt to answer in our exploration of the art form of dance. We will learn about a variety of dances as well as learn and participate in some of the dances themselves.

This class will be divided into two portions that will complement each other and equally enhance students’ learning and understanding of dance. The origin and global history of dance will be presented in a variety of learning contexts and via the use of various media, texts, and live performances. Dance styles and genres that we will explore include, but are not be limited to: early tribal dance, early Greek/Roman dance, pre-ballet courtly dance, Middle Eastern dance, classical ballet, jazz, modern, tap, flamenco, capoeira, salsa/merengue, tango, breakdancing, hip hop, reggaeton, and Zumba. In addition to learning about dance, students will learn (and perform in the classroom) a variety of dances from instructors with expertise in several dance genres.

**Course:** Disney: Inside the Magic  
**Approximate Cost:** $1,700

Mickey Mouse is one of the world's most beloved characters. From Iowa to Istanbul, everyone knows Mickey! How did this happen? How has the Disney Corporation become one of the largest in the world, when it "all started with a mouse"? If you love all things Disney and want to learn more about how it all began, then this class is for you!

We will focus on early history, development of the Disney theme parks, the role of theming of rides, film history, controversies, development of the "Disney Way," and much more. Class will culminate in seeing first-hand what we have learned, by traveling to Walt Disney World in Orlando, Florida. If you need a little bit of "faith, trust, and pixie dust" after our previous year, come join us on the Disney Express!

**Note:** Walt Disney World is not a theme park known for extreme rides. If you're not someone willing to feel the Disney “magic,” this class is not for you.

**Course:** Equity M&Ms: Money & Music  
**Approximate Cost:** $800-$1,000

The focus of the Equity M&Ms course will be the construction of race in America as well as how racism saturates all areas. Students will get exposure to an analysis of race and
racism. They will then apply that analysis in the cities of Nashville, TN and Memphis, TN. We will examine multiple arenas and focus on money (generational wealth, current wealth, and how communities are affected by financial oppression) and music (hip hop, R&B, country, pop, rock, and gospel). This course will culminate in travel that will include trips to three universities in Nashville as well as four museums in Nashville and Memphis.

**Course: Fantastic Games**

**Approximate Cost: $<100**

Have you ever had an idea for a game but not the time or chance to develop it? Have you ever had a story you wanted to create but not the time or chance to write it? Have you ever wondered how video games were made or what made some video games better than others? Or are you just inexplicably drawn to games in general? If so, then Fantastic Games might just be the J-Term for you.

In the Fantastic Games J-Term course, we’ll be exploring the intersection between the wonderful worlds of gaming, fantasy, and storytelling. We’ll spend the first part of the J-Term experimenting and learning about what makes a good game and what makes a good story (hint: it’s usually the same thing). During the second part of the class, we’ll be designing our own games, be they digital, card, or board games. If, by the end of the J-Term, you haven’t come up with the next Mass Effect or Legend of Zelda, you’ll at least have a new appreciation for and understanding of gaming and storytelling.

**Course: Film Art**

**Approximate Cost: $<50**

From the enormous summer blockbusters to the indie arthouse, films continue to captivate viewers and communicate truths unlike any other art form. The Film Art class will seek to dissect and understand that communication through an appreciation of the nuances of the language of film. We will spend our time together watching, reading about, and analyzing the different ways films speak to us. Along the way students will come to better understand the way filmmakers play upon our common understanding to evoke emotions and communicate ideas. By the end of the course, students will be more discerning consumers of film. Students will learn to appreciate and enjoy films like never before.

**Course: Fly Fishing**

**Approximate Cost: $>2,000**

In this course, students will not only learn how to fly fish, but they will explore the history and science behind fishing. We will look at what types of baits are effective for different species of fish and how different bodies of water play a role in the sport. We may also look at the reasoning/logic behind fishing and hunting licenses and how they play a role in conservation. There will be guest speakers and local mini field trips to ponds and water to practice our skills, and the course will culminate in a week-long trip to practice our new skills.
Course: The History of Popular Music & Society
Approximate Cost: < $50

Students in this J-Term class will study popular music genres, artists, and songs from the 1960s to the present day, and they will examine how those works have impacted society and vice versa. Genres will include classic and alternative rock, hip hop and R&B, country, and pure pop music, among others. Students will become more familiar with the history and evolution of those genres while studying key bands, groups, singers, DJs, and MCs. They will also learn how social movements, wars, poverty, economic policies, political figures, legal injustices, and issues relating to race, gender, and sexual orientation have impacted the content and development of popular music and how popular music has in turn affected all of those topics.

Course: Humans: Where We’ve Been & Where We’re Going
Approximate Cost: < $100

From 1,000,000 years ago until 100,000 years ago, various branches of humans expanded and interacted across the Earth. Their interactions were affected by their genetics, their climate, their technology, and their culture. This class explores how these various humans interacted and how this shapes modern humans. What was the role of dogs in human development? Climate change? We will emphasize understanding the research methods that form this developing view of humans. This includes archeology, anthropology, DNA testing, radioactive dating, and other techniques. We will also look at the future of humans, 100,000+ years from now.

Course: Investigating Indiana: What Makes The “Hoosier State” Unique
Approximate Cost: $500

In this course, we will explore in depth the unique features of the "Hoosier State." From the active Amish community of northwest Indiana to the Native American presence in the state to the growing diverse population of the state, we will gain a deeper understanding of what distinguishes Indiana from other states. We will study history, art, music, cuisine, and geography as we explore both urban and rural areas of the state. Through guest speakers, hands-on projects, readings, and more, we will come away from this class with a fuller understanding of the "Crossroads of America," while better understanding how one’s own local community shapes and influences them and their interactions with others around them. An overnight bus trip across the state is planned with stops at historic and cultural points of interest.

Course: My Liberal Superpower: Learning & Persuading
Approximate Cost: < $50

There will be no partisanship here. Maybe you want to “conserve.” Maybe you want to “progress.” Either way, you will be more powerful in your efforts – and probably a whole lot happier along the way – if you can meet others in a spirit of openness, dialogue, and tolerance. The power to do those things emerges from an understanding of “classical
liberalism,” which has become a kind of secret in a time known more for cancelling, trolls, and angry tribes. You can discover the secret in this course. (To be clear: it has nothing to do with liberal versus conservative in today’s partisan sense; this course will take no partisan side.)

Classical liberalism emerged alongside what some historians call “the Miracle,” “the Great Divergence,” or “the Great Enrichment” – dating only to the 18th Century. Classical liberals tend to have a range of views on the role of government and the need to regulate the economy – but we will focus on their shared commitments to the “rule of law,” free speech and religion, and civil discourse. We will cover some history to understand the connections. We will look at the lives and impact of some classical liberals in America. We will test “civil discourse” – ways of talking with people we don’t agree with – and see it modeled in dialogues on YouTube. We will look at some of the toughest problems of our time through the eyes of those who see things differently. We will learn from a movie or two (WALL-E is a classical liberal: the little robot has more faith in people than people do). Your core assignment will be to consider that you may be wrong about the political goal that you believe in most strongly. You probably will not change your mind. But by the end of the course, with this new "superpower," you will understand what your goal is up against, why your opponents may have a point, and ultimately how to do better in a competition of ideas.

We will use a curriculum here – seeking student feedback continuously – that the guest instructor (a parent of former UHS students) hopes to develop and offer more broadly among young people in high schools and colleges. It could be the start of something.

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**Course:** Medieval Times: A Study of the Renaissance  
**Approximate Cost:** $1,600

Why have Renaissance Faires become such a cult phenomenon? What is it about the late Medieval period and Renaissance that captures our imagination? What would it mean to survive and exist in a world of status and craftsmanship where you were much more dependent on the skills of your neighbor and yourself than you are today?

Throughout the three weeks of January Term, we will explore and answer these questions. This course will give students an overview of the period from the 1400s through the 1600s in Europe, commonly known as the late Medieval and Renaissance periods in history. We will also explore what was happening outside of Europe, and we’ll discuss how and why these parts of the world are often neglected in historical discussions. From sewing your own medieval garment, baking bread and cooking medieval recipes, to trying your hand at archery and learning about medieval medicine, you will acquire knowledge of and put into practice many of the skills and activities people from this period would have needed in order to survive and function in society.

This class will include a four-day travel component to Melbourne, Florida, where the students will attend the world-renowned Brevard Renaissance Festival. Students will attend the faire (in costume) during the trip as well as participate in an archery workshop, horseback riding, and visit Medieval Times to see a jousting tournament.
Course: Microbes: Friends & Foes  
**Approximate Cost:** $200-$300

This is a hands-on J-Term class, where the focus will be on doing lab experiments to learn about different types of microbes – bacteria, fungi, protists, and viruses. Mostly, microbes are indifferent to you and me, but many are important to humans. Many of the foods we enjoy are produced with the help of microbes. Many life-saving antibiotics and other medicines require microbes for production. However, some microbes are pathogens and cause disease. In this class, we will explore our friends and foes, the microbes. We will do labs with microbes to learn how they live and how we can study them with basic microbiology techniques. We’ll learn how to grow them, observe them with different types of microscopes, and discover some of their strategies that have allowed them to thrive.

Course: National Parks: History & Contemporary Issues  
**Approximate Cost:** $2,500

This class will explore many of the topics that surround the national parks of the United States, focusing on the history of the parks and contemporary issues that deal with the parks. Among the issues we will examine are the use of the land in the parks, the social and economic effects on the people who live near the parks, and the effect of tourism in the parks. We will gather our knowledge from many sources, including books, films, lectures, discussions, internet sources, and guest speakers. Additionally, we will have several outdoor activities that will put us in the mindset to consider some of the issues raised. The biggest of these activities is a multi-day overnight trip to Yellowstone National Park or another national park. The course will include a good deal of writing through quizzes, short response exercises, and a longer paper and presentation.

Course: The New Yorker Magazine  
**Approximate Cost:** $1,500

The general purpose of this course is to examine *The New Yorker* magazine as a text that shapes, informs, and mirrors New York City and our country. A majority of class work will focus on the content and writing styles present in the magazine, but students will also develop their own writing skills through the creation of a *New Yorker*-style magazine that reflects their own interests and worlds. Guest teachers will share on the pressures of periodical publications and importance of *The New Yorker* magazine to American culture, and a three-night trip to New York City to explore the nexus of the magazine will round out the course.

Course: Sports & Society  
**Approximate Cost:** $100-$250

The Sports & Society class will focus on the impact of sports in the 20th and 21st centuries. This class will cover how sports are linked to other institutions in society. Topics such as high school sports, media, gender, gender inequality, parental influence, ethical dilemmas, and racial dilemmas will be covered. This class will provide a keen analysis of how sports really work. We will discuss who benefits and who does not from
the way sports are organized. We will also discover how sports sensitize us to the contradictions and problems within the overall sports institution. Local day trips may include Butler University, Indiana University, Purdue University, and Indy Fuel.

**Course:** STOMP: Drumming with Everyday Objects  
**Approximate Cost:** $400-$500

In this course, we will study and ideally perform our own version of the Broadway show *STOMP*. *STOMP* is a show that features non-traditional items as percussion instruments. There are aspects of music and theatre associated with this J-Term, as the performers are often dancing and moving around as part of the show. Students do not need to know how to act or read music to participate in this J-Term, but they should be prepared to drum and dance by the end of this course.

**Course:** Storytelling As Creative Compass & Cultural Connection  
**Approximate Cost:** $100-$400

This course is designed to help students engage in the ever-evolving art of storytelling through various lenses, genres, and artistic expressions – from murals to museums and beyond. A mural can be seen as an act of vandalism or beautification. A museum excites and ignites new ideas. Students will be immersed in different forms of storytelling and actively engage in the art through a diverse assortment of visually stunning street art, exhibits, and other interactive materials. Through guest speakers, hands-on projects, student activities, and off-campus day trips, students will discover how to be more artistically expressive by using their creative vision and voices in the sharing of their own stories.

**Course:** We Are What We Eat: World Heritage Cuisines  
**Approximate Cost:** $800-$1,000

UNESCO established a “List of Intangible Cultural Heritage” with the purpose of protecting important cultural heritages worldwide and the awareness of their practices around food. Food, though it nourishes us, also plays an important social, cultural, and ritual role in all societies. In this class, we will be examining what elements qualify a cuisine to be sanctioned by UNESCO as an Intangible Cultural Heritage food and exploring these traditions through our own preparation and cooking with highlights on Mexican, Korean, and Mediterranean cuisines.

We will explore the development of community through food and examine how our experiences as individuals and as a collective whole shape how we see food and the world. Though food can be a platform for individual self-expression, it also has the ability to overcome differences and make us feel we all belong. This class will include regional overnight travel that will enable us to further discover and examine how food has evolved from egocentric and different to a platform for free self-expression, community building, and empowerment.

**Course:** Student Internships
**Note:** Student must provide own transportation and have appropriate clothing for their internship site.

This offering is available to a junior or senior student who has completed an application to the program that has been accepted by the Academic Affairs Committee and the course instructor. Students should have a passion for or interest in learning more about a particular career, business, or organization. Students spend each day of January Term off campus, working with an individual or an organization.

Students are responsible for making their own arrangements, but they will receive the guidance and support of the instructor. Students submit a daily electronic journal entry at the end of each day. In addition, each student will articulate his or her personal experience and evaluate his or her work during the internship through a longer written piece and an oral presentation to the school.