

COURSE DESCRIPTION HANDBOOK

Guide for the 2009-2010 University High School
Course Selection Process



**University High School
Counseling Center**

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INTRODUCTION

This course description handbook is the most valuable tool we can provide toward helping students and their parents to make sound decisions concerning their educational program. These decisions can and do have far reaching consequences involving a student's future lifestyle. In short, the selection of courses is serious business. All concerned need to make sure that they have all the necessary information to make intelligent choices.

At University High School, we believe that a strong background in all academic disciplines provides the best education possible for the high school student. Such a liberal arts program will keep the most options open and provide for a complete general education regardless of career choices.

Of vital importance is the communication between parents and their children in the preparation of future plans. We know that parents are the most important and influential people in a child's life. Children need parents to be interested and involved in their activities, their academic progress, and in the planning of their future. During their high school years, children also need their parents to take an active interest in their preparation and planning for future education. There are many things parents can do to insure that their children will be prepared for the next step in their educational and training process. For example, parents can see to it that their children take the appropriate courses, sign-up for the required tests, and complete the necessary forms on time, to mention a few.

This handbook is designed to give the information needed to guide and advise University High School families as they plan and prepare for high school course selection. This handbook may not, however, provide the answers to all questions, nor is it intended to create a contractual relationship with the student; rather it is intended to describe course offerings and provide guidance in course selection toward graduation requirements and toward career decision-making. For answers to individual questions, or for personalized advice, talk to the student's guidance counselor.

Each year, as students prepare to make course selections, they should seriously consider:

1. Do the courses meet graduation requirements?
2. Do the courses meet the student's needs for anticipated college or career choices?
3. Do the courses match the student's ability and expand or develop college or career choices?

This handbook will help students and parents plan a high school program based on these selected goals. Parents are requested to be actively involved with their student in selecting an appropriate program of courses for the coming year by:

1. Reading and discussing this handbook with their student.
2. Reviewing the progress reports, student report cards, and transcript.
3. Discussing the appropriate course selection with the student's current teachers and counselor.

In selecting courses, please also bear in mind the limitations imposed by the mechanics of scheduling and class size. Every effort will be made to accommodate the preferred schedule of each student, but it is important to have alternative choices in mind. This is particularly true when selecting single-section courses. The more single-section courses selected, the higher the probability that two or more of them will be in conflict with each other.

We also ask that you commit yourself to the course requests you submit, particularly in the area of electives. Budgeting decisions are made based on the number of students who assert that they will enroll in a course if it is offered. Once the school has committed its resources based on this assurance, you are obligated to take the elective courses you have selected.

Finally, if any questions arise, do not hesitate to contact the principal, assistant principal, guidance counselor, or teachers. Planning a high school education is something that requires a little effort. Don't just let it "happen."

Good luck in this important venture.



PART 1 – ACADEMIC PREPARATION

The courses students take in high school, the grades they make, the results of their standardized tests, and the life experiences they have all play a part in determining whether or not a college will admit a particular student. That's why it's very important to plan, pay attention, and prepare now for the future tomorrow.

Admissions Criteria

Colleges will use some, if not all, of the information listed below when determining whether or not to accept an applicant. Individual colleges, however, differ in how they evaluate this information. For example, one college may place a great deal of importance on test scores, while another college may not.

1. Grade Point Average
2. Class Rank (for schools that rank)
3. Strength of Subjects
4. ACT and/or SAT scores
5. Recommendations
6. Activities and awards
7. Personal essays
8. Personal interviews

Grade Point Average (GPA)

Even though individual colleges use their own criteria when evaluating prospective students, most colleges consider a student's GPA to be the most important criteria for college admissions. GPA is simply the average of a student's semester grades, starting with the freshman year. Although students receive report cards which include quarter grades, semester exam grades, and semester grades; only the semester grade is printed on the transcript and used for GPA calculation.

University High School uses a four-point grading scale in calculation of GPA where an "A" receives four grades points, a "B" receives three, a "C" receives two, a "D" receives one, and an "F" receives zero. Since college applications are generally completed during the fall of the senior year, the GPA at the end of the junior year is very important. See the University High School Student Handbook for details. Remember, the higher the grades, the higher the GPA will be; and the higher the GPA, the greater the college and scholarship opportunities.

Class Rank/Strength of Subjects

Another factor some college admission counselors will look at is where you rank compared to others in your graduating class. Since University High School does not rank students, colleges will not take this into

consideration for our graduates. In fact, many colleges have gone away from class ranking as a way of reviewing student records. In our case, colleges reviewing a U-High student's high school performance will look at GPA, therefore not having a class rank will not be detrimental.

In reviewing our student's performance, schools will look not only at the total GPA of all courses, but will also look at the GPA of various areas of study. For example, the average grades in core academic courses (English, Mathematics, Science, Social Science, and Foreign Language) may be calculated by individual schools. Additionally, the strength of courses taken is reviewed. Students with lower GPA's in hard courses are generally looked at in a better light than students with higher GPA's in easy courses.

Keep in mind that GPA is based upon *semester* grades only. Therefore, they will only be calculated and updated at the end of each semester.

NCAA Eligibility Requirements

Before an athlete can play a sport or receive an athletic scholarship at a Division I or II college, he/she must meet specific academic criteria as set forth by the NCAA. Students must take specific courses in order to meet NCAA eligibility requirements. These include a certain number of college preparatory English, science, social science, and mathematics courses, with at least one year of algebra and one year of geometry. Because the NCAA has such specific requirements, and because these requirements can be confusing, it is very important that athletes meet with their counselor in the ninth grade to obtain information on NCAA requirements. At this time athletes also need to make sure that their four-year high school plans include courses that will satisfy NCAA requirements.

Athletes should take the ACT and/or the SAT no later than the spring of their junior year in order to have time to retake them if necessary. To initiate the eligibility process, athletes must complete the NCAA Clearinghouse Student Release Form; this form should be submitted after completion of the junior year. Information on NCAA requirements is available in the Counseling Center, the Activities Director's office, or the website for the NCAA Clearinghouse. This website is located at www.ncaaclearinghouse.net. Specific NCAA requirements are listed below:

1. **8th Grade Course Work:** Maybe. Courses taken in eighth grade will not satisfy core-course requirements unless the course appears on the high school transcript with a grade and a credit and the

course appears on the high school's list of approved courses.

2. **One-Year Course Spread Over Two-Years:** A one-year course that is spread over a longer period of time is considered one course and will receive a maximum of one core-course credit. (Example: Algebra 1, spread over two years, would receive one unit of credit.)
3. **Pass-Fail Grades:** May be used to satisfy core-curricular requirements. However, the NCAA Clearinghouse shall assign a grade of "D" for pass-fail courses for GPA eligibility purposes.
4. **Independent Study and Internet Courses:** May be used to satisfy core-course requirements under certain conditions. Normally, the course must be approved by the NCAA as a college prep course. Students should consult with their counselor *before* taking any course of this nature regarding the acceptability toward NCAA eligibility.
5. **Only courses on the approved list:** Only approved courses may be used in the calculation of core-course requirement calculation. See the list below for U-High approved course titles.

In order to be certified by the NCAA Clearinghouse, students must:

- ✓ Register with the NCAA Initial-Eligibility Clearinghouse after the completion of their junior year in high school. At this time, an official transcript that includes six semesters of grades will be sent to the clearinghouse from the Counseling Center. Additionally, students should request that their ACT or SAT test scores be forwarded directly to the clearinghouse by entering code "9999" as a reporting selection when they register for the exam.
- ✓ Earn a GPA of at least 2.00 on a 4.00 scale in a core curriculum of at least 16 academic courses, which were successfully completed during grades 9 through 12. Only courses that satisfy the NCAA definition of a core course can be used to calculate your NCAA GPA. No special values are allowed for "+" or "-" grades. The chart below shows the minimum core course requirements.

Core Units Required for NCAA Eligibility

If you will enroll in a *Division I* college and want to participate in athletics and/or receive an athletic scholarship during your first year you must follow the course sequence below.

| Division I Eligibility | 2008 + |
|---|---------|
| English Core | 4 years |
| Math Core (Algebra 1 and above) | 3 years |
| Science Core (including 1 lab course) | 2 years |
| Social Science Core | 2 years |
| Additional credit from English, Math or Science | 1 year |
| Additional Core (English, Math, Science, Social Science, Foreign Language, Philosophy, or Non-doctrinal Religion) | 4 years |
| Total Core Units Required | 16 |

Additionally, the minimum grade point averages in the 16 core courses and required ACT or SAT score vary according to the Initial-Eligibility Index. See the sliding scale chart below.

| Core GPA | ACT Sum | SAT |
|---------------|---------|---------|
| 3.550 & above | 37 | 400 |
| 3.525 | 38 | 410 |
| 3.500 | 39 | 420 |
| 3.475 | 40 | 430 |
| 3.450 | 41 | 440 |
| 3.425 | 41 | 450 |
| 3.400 | 42 | 460 |
| 3.375 | 42 | 470 |
| 3.350 | 43 | 480 |
| 3.325 | 44 | 490 |
| 3.300 | 44 | 500 |
| 3.275 | 45 | 510 |
| 3.250 | 46 | 520 |
| 3.225 | 46 | 530 |
| 3.200 | 47 | 540 |
| 3.175 | 47 | 550 |
| 3.150 | 48 | 560 |
| 3.125 | 49 | 570 |
| 3.100 | 49 | 580 |
| 3.075 | 50 | 590 |
| 3.050 | 50 | 600 |
| 3.025 | 51 | 610 |
| 3.000 | 52 | 620 |
| 2.975 | 52 | 630 |
| 2.950 | 53 | 640 |
| 2.925 | 53 | 650 |
| 2.900 | 54 | 660 |
| 2.875 | 55 | 670 |
| 2.850 | 56 | 680 |
| 2.825 | 56 | 690 |
| 2.800 | 57 | 700 |
| 2.775 | 58 | 710 |
| 2.750 | 59 | 720 |
| 2.725 | 59 | 730 |
| 2.700 | 60 | 730 |
| 2.675 | 61 | 740-750 |
| 2.650 | 62 | 760 |
| 2.625 | 63 | 770 |
| 2.600 | 64 | 780 |
| 2.575 | 65 | 790 |
| 2.550 | 66 | 800 |
| 2.525 | 67 | 810 |
| 2.500 | 68 | 820 |
| 2.475 | 69 | 830 |
| 2.450 | 70 | 840-850 |

| Core GPA | ACT Sum | SAT |
|----------|---------|------|
| 2.425 | 70 | 860 |
| 2.400 | 71 | 860 |
| 2.375 | 72 | 870 |
| 2.350 | 73 | 880 |
| 2.325 | 74 | 890 |
| 2.300 | 75 | 900 |
| 2.275 | 76 | 910 |
| 2.250 | 77 | 920 |
| 2.225 | 78 | 930 |
| 2.200 | 79 | 940 |
| 2.175 | 80 | 950 |
| 2.150 | 80 | 960 |
| 2.125 | 81 | 960 |
| 2.100 | 82 | 970 |
| 2.075 | 83 | 980 |
| 2.050 | 84 | 990 |
| 2.025 | 85 | 1000 |
| 2.000 | 86 | 1010 |

If you will enroll in a **Division II** college and want to participate in athletics and/or receive an athletic scholarship during your first year you must follow the course sequence below.

| Division II Eligibility | 2005 + |
|---------------------------------------|---------|
| English Core | 3 years |
| Math Core (Algebra 1 and above) | 2 years |
| Science Core (including 1 lab course) | 2 years |
| Social Science Core | 2 years |

| Division II Eligibility | 2005 + |
|---|---------|
| Additional credit from English, Math or Science | 2 years |
| Additional Core (English, Math, Science, Social Science, Foreign Language, Philosophy, or Non-doctrinal Religion) | 3 years |
| Total Core Units Required | 14 |

Additionally, students must earn a sum of scores of at least 68 on the ACT or a combined score of at least 820 on the SAT on a national test date. There is no sliding scale.

There are no athletic scholarships in **Division III** schools; therefore students do not use the NCAA Clearinghouse. Prospective student-athletes should contact their Division III college regarding its policies on financial aid, practice and competition.

List of Approved Core Courses

The NCAA has approved the following past and present University High School courses for use in establishing the initial eligibility certification status of student-athletes. Course titles not on this list should be assumed **not** to qualify for NCAA eligibility. *** *Intro to Theatre, Mass Media, and Storytelling in a Digital Age do not qualify for NCAA Clearinghouse****

| | | |
|--|--|--|
| <p><u>ENGLISH</u> Afro American Literature American Literature/Comp Argumentation and Debate College English & Beyond Contemporary Literature Contemporary Rhetoric Creative Writing/D.Top Pub English Language/Comp AP English Literature/Comp/AP British Literature/Comp Freshman English Intro to Film Journalism Masterpieces in Literature Oral Communication Rap Rock and Rhetoric Science Fiction/Fantasy Shakespeare Shakespeare in Action Sophomore Writing World Literature/Comp</p> <p><u>SOCIAL SCIENCE</u> 20th Century World History American Rhetoric Civil Rights Liberties Issues Contemporary Issues Crime, Justice, & Trials</p> | <p><u>SOCIAL SCIENCE CONT</u> Current Issues Economics European History AP Government Studies 1 Illinois History and Govt International Relations Multimedia History Non-West History Philosophy Psychology Social Studies Seminar Sociology US History US History AP US Studies World Geography World History World Studies</p> <p><u>MATHEMATICS</u> Alg 2 Alg A (.5 max units/yr) ALG B (.5 MAX UNITS/YR) Calculus/AP College Algebra Freshman Algebra 1 Alg/Acc</p> | <p><u>MATHEMATICS CONT</u> Freshman Geometry 1 Geometry/Acc Math Topics/Adv Precalculus Sophomore Algebra 1 Sophomore Geometry Statistics AP</p> <p><u>NATURAL/PHYSICAL SCI</u> Biology Biology 2 Chemistry Chemistry/Acc Chemistry AP Environmental Science Field Biology and Ecology Human Anat and Phy Physical Science Physics Principals of Technology Zoology</p> <p><u>FOREIGN LANGUAGE</u> French 1 Spanish 1 French 2 Spanish 2 French 3 Spanish 3 French 4 Spanish 4 French 5 Spanish 5</p> |
|--|--|--|

College Prep Curriculum

Most state universities have adopted a minimum course requirement plan for incoming freshmen. Students who have not completed the minimum college prep curriculum listed below may not be eligible for acceptance at some colleges. Some colleges will require them to make up the deficiency in college or at junior college. These students will be unprepared for either the ACT or SAT tests. Generally accepted guidelines for admission to *most* colleges and universities include the following:

- English: 4 years (emphasizing written & oral communication and literature)
- Mathematics: 3-4 years (Algebra 1, Geometry, Algebra 2, Precalculus, Calculus)
- Science: 3-4 years (laboratory sciences including Biology & Chemistry)
- Social Science: 3-4 Years (emphasizing history and government)
- Foreign Language: 2-4 Years (the same language, see chart below)
- Additional Courses: 2 Years (Art, Music, and/or Vocational courses)

A combination of grade point average and college entrance examinations (ACT and/or SAT) is used to determine admission requirements for most colleges and universities. Colleges may vary in their entrance requirements, but the preceding listed academic credits will help students become admitted to the majority of four-year colleges. Admission requirements for any specific college are available in the Counseling Center, by viewing the college's website, or by contacting the college directly.

Admission Competition Categories

As stated earlier, colleges may consider several of factors in determining admission eligibility. Additionally, colleges vary widely on the competitiveness of admission. The chart on the following page summarizes the competitive levels of colleges and the types of criteria that various schools may look for on a high school transcript.

| Admission Competition Categories | Educational Opportunities | Mid-50% range of ACT & SAT scores | Recommended High School Academic Subjects |
|---|---|--|--|
| <p>Highly competitive colleges and universities</p> <p>These schools typically examine all aspects of a potential student's application. Everyone who applies possesses the highest academic and personal qualifications</p> | Includes the 100 colleges and universities with the highest admission standards. Examples include Ivy League schools, major independent schools (Duke, Northwestern, Notre Dame, Rice, Stanford, etc.) and premier liberal arts schools | <p>ACT: 27-31</p> <p>SAT1: 1210-1360</p> | <p>4 years English</p> <p>4 years advanced Mathematics</p> <p>3-4 years laboratory Science</p> <p>3-4 years Social Science</p> <p>3-4 years Foreign Language</p> <p>1 year Fine Arts</p> <p>Honors and AP course work are desirable</p> |
| <p>Competitive colleges and universities</p> <p>These schools attract above-average students. Most colleges fall loosely within this category. Admission criteria vary widely. Competition for specific academic programs within the college can be intense.</p> | Includes Big Ten School, most state university systems, most liberal arts colleges, and many conservatories and institutes. | <p>ACT: 20-25</p> <p>SAT: 950-1140</p> | <p>4 years English</p> <p>3 years advanced Mathematics</p> <p>3 years laboratory Science</p> <p>3 years Social Science</p> <p>2 years Foreign Language</p> <p>1 year Fine Arts</p> <p>Vocational education courses are acceptable at some Illinois state-supported universities in place of foreign language</p> |
| <p>Colleges and universities with open admission</p> <p>These schools have very liberal admission policies. They give every student a chance to try college-level work.</p> | Some state universities are included, as are almost all community colleges. | <p>ACT: 15-22</p> <p>SAT: 720-1030</p> | <p>4 years English</p> <p>3 years Mathematics</p> <p>2-3 years Science</p> <p>2-3 years Social Science</p> <p>1-2 years Foreign Language</p> <p>Vocational education or fine arts courses may be acceptable</p> |
| <p>Specialized colleges and conservatories</p> <p>These schools are often oriented toward fine arts.</p> | Includes the School of the Art Institute, Oberlin Conservatory of Music, Etc. | Portfolios or auditions are weighted more heavily than test scores | Same as competitive colleges category with the addition of specialized courses in the fine arts. |
| <p>Trade and Technical Schools</p> <p>These schools are most concerned with a student's career aptitude</p> | Includes thousands of independent vocational schools throughout the United States | Not always required for admission | Emphasis on English, Science, Mathematics, and vocational courses. |

College Foreign Language Requirements

Foreign Language is often an area of confusion when students are planning for college. The language requirement varies widely from college to college. Students need to notice the difference between an

admission (entrance) requirement and a graduation (exit) requirement. The chart on the following page highlights the requirements at the state universities in Illinois.

State University Foreign Language Requirements for Admission and Graduation

| University | Foreign Language Requirement for Admission | Foreign Language Requirement for Graduation |
|--|--|--|
| Chicago State University | Not required | <i>All Majors:</i> 6 hours of college language. <i>Met by:</i> proficiency test or college level courses |
| Eastern Illinois University | Not required | <i>All Bachelor Degrees:</i> 2 semesters of college language. <i>Met by:</i> 2 years of high school foreign language with "C" or better |
| Governor's State University | Not required | Not required |
| Illinois State University | 2 years of one foreign language OR 2 years of fine arts | <i>College of Arts and Sciences:</i> 2 semesters of college language. <i>Met by:</i> successful completion of 3 years of same foreign language in high school) <i>Bachelor of Arts:</i> 3 semesters of college language. <i>Met by:</i> proficiency test or college level courses |
| Northeastern University | Not required | Not required |
| Northern Illinois University | Humanities: 2 years of the same language or combination of language, art, music, theatre | <i>Bachelor of Arts:</i> 2 years of one foreign language at the college level. <i>Met by:</i> 4 years of one foreign language in high school with "C" or greater |
| Southern Illinois University at Carbondale | Not required; used toward fulfillment of 2 year elective requirement. Must include two semesters of the same language. | <i>College of Liberal Arts:</i> one year (2 courses) of college language. <i>Met by:</i> college coursework or exam only <i>Bachelor of Fine Arts</i> (in College of Liberal Arts): exempt from language requirement |
| Southern Illinois University at Edwardsville | Not required – 2 years recommended | <i>Bachelor of Arts:</i> college language required. <i>Met by:</i> college level coursework only |
| University of Illinois at Chicago | 2 years of one language | <i>College of Business:</i> 2 semesters at college level. <i>Met by:</i> 2 years of language in high school <i>College of Architecture and the Arts:</i> 2 semesters at college level. <i>Met by:</i> 2 years of language in high school <i>College of Liberal Arts and Sciences:</i> 4 semesters at college level. <i>Met by:</i> language placement test or college level language courses only |
| University of Illinois at Springfield | 2 years of one language or 2 years of fine arts. Honors students must have 2 years of one language. | <i>Freshman Honor Students:</i> must demonstrate foreign language speaking proficiency at the 2 nd year/sophomore level. <i>Met by:</i> assessment test or college courses only |
| University of Illinois at Urbana-Champaign | 2 years of one language | <i>Colleges of Business and Liberal Arts and Sciences:</i> up to the 4 th collegiate level of foreign language. <i>Met by:</i> 4 years of high school foreign language <i>All other colleges:</i> up to the 3 rd collegiate level. <i>Met by:</i> 3 years of high school foreign language |
| Western Illinois University | 2 years of foreign language or 2 years of an elective to include: foreign language, music, art, theater, film, religion, philosophy, speech, or journalism | <i>Selected majors:</i> bi-cultural/bi-lingual education, foreign language, and biology. <i>Met by:</i> 2 years of high school foreign language |

PART 2 – SCHEDULING POLICIES

Graduation Requirements

University High School graduation requirements are the same as the entrance requirements for Illinois State University. Please note that these are minimum standards. Credits are earned at the rate of ½ credit per semester for all University High School courses. Final semester grades determine credit and are used in the calculation of the cumulative grade point average. All course grades are included in the GPA. To graduate from University High School, students must meet the requirements listed below.

| Academic Area | Credits Required |
|----------------------------------|-------------------|
| English ** | 4 credits |
| Mathematics | 3 credits |
| Science | 2 credits |
| Social Science ** | 2 credits |
| Foreign Language or Fine Arts ** | 2 credits |
| Additional Courses ** | 2 credits |
| Vocational Education ** | ½ credit |
| Wellness/Physical Education ** | 4 credits |
| Electives | 4½ credits |
| Total Required Credits ** | 24 credits |

** Explanations:

English: Freshman English, Sophomore Writing, and Oral Communication must be passed.

Social Science: United States Studies and the Illinois and Federal Constitution exams must be passed.

Foreign Language/Fine Arts: The two credits must be in one program. Fine Arts include coursework in Art, Engineering Technology, and Music

Additional courses: these include course work in Mathematics, Science, Social Science, Foreign Language, and/or Fine Arts (Art, Engineering Technology, and Music).

Vocational Education: Consumer Education must be passed (this requirement may be met through passing a Consumer Economics course or the optional state proficiency exam. For students passing the exam, this ½ credit can be met through Business or Engineering Technology.

Wellness/Physical Education: Students are required to enroll in a Wellness/Physical Education course each semester they are attending University High School or secure an appropriate waiver. Health Education (incorporated into Freshman Wellness) must be passed.

Total Required Credits: In addition to earning the required number of credits, State Law requires that all students must participate in the Prairie State Achievement Exam

Advanced Placement Program

Five departments offer Advanced Placement (AP) courses. These courses adhere to the suggested College Board course descriptions and serve as the primary vehicle to prepare students for an AP examination in early May. In addition to preparing students for the AP exam, AP courses allow students to experience the pace and intensity of a college-level course while still in high school. The AP courses are challenging and stimulating, require more work and more time than other high school courses, but are considered a valuable educational experience.

Although each college determines what AP examination grades it will accept for credit and/or advanced placement, the great majority of colleges accept grades of three (3) or better and award the student credit in the subject matter tested. In some cases, no credit is given, but the student begins the program of study at an advanced level. Below are listed area specific qualifications and selection processes for each department's AP courses.

Art

AP Art: General Portfolio: students must have earned a minimum of two credits in art and receive teacher invitation and approval prior to pre-registration.

English

AP Literature and Composition registration priority will be given to incoming Juniors; AP English Language and Composition enrollment is open to seniors. Successful candidates typically have strong aptitude and/or interest in literature and composition, high motivation, and a history of full class participation.

AP Literature and Composition: Current sophomores who have completed the requisite Sophomore Writing and Oral Communication classes and who wish to take on the challenge of college level work as a junior may self-select AP Literature and Composition by securing a recommendation signature from his or her current English teacher. Enrollment is capped at 20 students per section.

AP Language and Composition: Current juniors who have successfully completed a full-year survey literature class and who wish to take on college level writing as a senior may self-select by securing a recommendation signature from his or

her current English teacher. Enrollment is capped at 18 students per section.

Mathematics

AP Calculus: admission to this course is permitted by teacher recommendation. Students who earned an A, or at minimum a strong B, in Pre-Calculus may request a teacher recommendation from their Pre-Calculus teacher.

Science

AP Chemistry:

1. Senior status
2. A or B in Advanced Chemistry or A in Chemistry with teacher recommendation
3. A or B in Physics is recommended
4. A or B in College Algebra or Pre-Calculus
5. A commitment to availability for the Lab on Wednesday nights from 6:00-9:00pm
6. Instructor approval
7. To receive instructor approval, students must have demonstrated in previous coursework:
 - a) An interest in the sciences
 - b) A willingness and ability to work independently
 - c) An ability in problem solving and analytical reasoning
 - d) Dependability and maturity

Social Science

AP US History and AP European History:

1. Students “self-select” in classes by signing up on sheets provided by the instructors. If a student is not currently enrolled in a social science class, he/she should come to the Social Science Office (207) to sign up. Students will be notified of the sign-up option through the daily announcements.
2. Social Science teachers then recommend students who have self-selected based on their abilities, participation, motivation, and work/study habits. Students who are not currently enrolled are checked by the department for recommendations from previous social science or other teachers.
3. Those students who have been recommended will be cross-checked with the listing of grades and scores provided by the Counseling Center. Reading scores and writing grades are especially important to success in the AP history courses.
4. The 18 available seats are then filled by seniority and those with a good prospect of success. Those students who are currently

enrolled in an AP history class will be given priority to continue.

Auditing a Course

A student who chooses to audit a course is agreeing to take that course for no credit. A student may audit a class or classes if facilities are available and class size permits. A student must have the approval of the instructor and their counselor. Neither credit nor grade will be issued for an audited course. However, the student’s transcript will indicate the course and a grade of AUD for audit. This option is often used with students who are taking a year-long course for grade improvement where the spring semester is the semester to be improved, but retaking the fall semester would be beneficial to spring semester success.

College Coursework

Qualified students may take courses offered through Heartland Community College or Illinois State University. Generally, these courses are taken on a dual credit basis, meaning that the student will earn both high school and college credit upon successful completion of the course. Although specific procedures are listed below, generally students must follow the individual school’s application and registration procedures in addition to U-High’s registration procedure. Any tuition cost of these courses is the sole responsibility of the student and their family and paid directly to the institution.

College courses taken for dual credit will be granted high school credit based on the following scale:

| <u>Semester Hours</u> | = | <u>High School Credit</u> |
|-----------------------|---|---------------------------|
| 4 or more | = | 1.0 |
| 3 | = | 0.5 |
| 2 or less | = | 0.25 |

Detailed information on enrollment procedures for college courses is listed in Part 3 under Non-traditional coursework.

Distance Learning Courses

Distance Learning courses (Illinois Virtual High School and University of Missouri Center for Distance and Independent Study) are available based on the individual needs of the student. Permission to enroll in distance learning classes is required from the Counseling Center.

Illinois Virtual High School

Students may enroll for Internet courses offered by the Illinois Virtual High School. IVHS has course offerings available in: AP Exam Review, Business,

Career Planning, Computer Science, Fine Arts, Science, Study Skills, Social Sciences, Health, Language Arts, Mathematics, and World Languages. Registration for these courses must take place through and with the approval of the Counseling Center. In general, the only IVHS courses that will be approved are courses that are not available at University High School. IVHS courses have specific instructors with whom students will have on-line contact and must be completed within the semester of enrollment. Check with your counselor or the IVHS website www.ivhs.org for more information.

University of Missouri Center for Distance and Independent Study

Another distance learning avenue for U-High students is the University of Missouri Center for Distance and Independent Study. UMCIDS offers course work in most academic areas. Courses generally can be taken either via correspondence or on-line. Unlike IVHS, these courses are completely student-directed and need to be completed within nine (9) months of initial enrollment; however U-High may set a completion date different than UMCDIS in order to grant credit for a given semester. More specific information is available at their website at www.cdis.missouri.edu. Since these courses tend to carry across semester lines, they may only be counted on the student's schedule during one semester. Please note that most UMCDIS courses have not been approved for NCAA eligibility.

Detailed information on enrollment procedures for distance learning courses is listed in Part 3 under Non-traditional coursework.

Driver Education

Driver Education is scheduled as a part of the sophomore physical education curriculum. A fee is charged to defray expenses. Students taking only the driver education portion of sophomore physical education, will not receive any type of partial credit. Students who are 16, or will be 16 during a particular semester, have priority in scheduling. Please note that a social security number is needed to enroll.

A student must have attained sophomore standing by earning a minimum of six (6) credits to be enrolled in driver education. Additionally, state law requires students to have passed a minimum of eight (8) semester courses in the preceding two semesters in order to be eligible to enroll for driver education. Freshmen are not eligible for driver education during the regular academic year, but can check on summer school availability. Students should see a counselor to verify which semester to pre-register for.

Early Graduation Policy

It is the policy of University High School that twenty-four credits and eight semesters of attendance shall be the normal requirement for graduation from University High School. However, U-High recognizes that special conditions might arise which could require consideration of an alternative to the eight-semester attendance requirement. Students wishing to request early graduation should meet with their counselor to determine eligibility. Once determined that the student can meet graduation requirements earlier than the scheduled semester of graduation, the student must complete a request form and submit it for approval. Application forms are available from the student's counselor and must be submitted by September 30.

External Credit Approval Procedure

Students occasionally desire to take courses or attend conferences not associated with University High School with the possibility of earning high school credit. In order for U-High to accept this transfer credit, the follow procedure must be followed prior to taking the course:

1. The student completes and submits the "External Credit Application" to the Director of Counseling.
2. The student attaches course description and/or preferably course syllabus to the application as well as a statement explaining the reasons for taking the course outside of University High School.
3. The application is reviewed by the appropriate department chair and Director of Counseling and is approved or disapproved.
4. The student may appeal a denial of their application for external credit to the principal.

When the student completes the previously approved external course, they will have an official copy of the transcript sent to the Registrar to have the credit posted to the transcript.

Please note: approval of requests for credit for external work that has not been approved in advance through this process is not guaranteed.

Freshman Program

The freshman year is critical to both the academic and social development of our students. As a laboratory school, University High School is committed to exploring and developing an innovative interdisciplinary curriculum.

The Freshman Program emphasizes the following:

- An integrated curriculum featuring various activities that combine the concepts, content, and skills of three core disciplines and create a sense of connectedness and relevance to the students' lives;

- The development of students, socially, cognitively, and emotionally; and
- Collaboration and cooperation between individuals and groups.

Freshmen will earn 3.0 credits in the core program (World Studies, Freshman English, and Biology). Additionally, freshmen students must choose at least three other courses outside of the Freshman Program.

Failure Policy

Any student receiving two (2) or more Failing grades in either semester must petition to the Student Assistance Team for continued enrollment at University High School.

A student's petition to continue is a letter from the student describing his/her plan of action for improving performance. The letter must be received in the Counseling Center no later than two weeks after the report cards are sent. Failure to submit this petition will be interpreted as a voluntary withdrawal from University High School.

The Student Assistance Team will designate student performance in three categories: red, yellow, or green. Red designation indicates no admittance. Yellow indicates return under contract, and green indicates return with warning. The decision of the Student Assistance Team will be based on an evaluation of the student's interest and motivation to improve his/her performance.

Grading System

University High School does not have a "set" grading scale that is consistent for all courses and instructors. Each instructor will set up the parameters for achieving a particular letter grade for their courses. However, the below scale is used for the calculation of a student's cumulative grade point average:

| Gr | Description | GPA Points | Cr Status |
|-----------|---------------------|-------------------|------------------|
| A | Superior work | 4 grade pts | Earned |
| B | Excellent work | 3 grade pts | Earned |
| C | Average work | 2 grade pts | Earned |
| D | Below average work | 1 grade pt | Earned |
| F | Unsatisfactory work | 0 grade pts | No credit |
| AUD | Audit grade | Not computed | No credit |
| I | Incomplete work | Not computed | No credit |
| M | Medical grade | Not computed | Earned |
| NC | No Credit | Not computed | No credit |
| P | Passing work | Not computed | Earned |
| WF | Withdrawal, Failure | 0 grade points | No credit |
| WP | Withdrawal, Passing | Not computed | No credit |

Class Rank Policy

Beginning with the class of 1995, University High School no longer calculates a class rank for each individual student. GPA's are tabulated and recorded for each semester. This policy truly reflects the actual abilities and efforts of our students. It encourages students to enroll in classes that truly meet their needs and helps them gauge future academic successes.

University High School will mail with each college application and transcript a school profile, which explains our school's academic environment.

Consumer Education Proficiency Test

The State of Illinois Consumer Education Proficiency Test is administered annually during the fall semester. Any student in grades 9 through 12 and not currently enrolled in a Consumer Education course may elect to take the test. There is no fee. Students who fail the test may take it again the following year. Students who, by taking this test, demonstrate a high degree of knowledge about consumer issues by passing the test will have fulfilled the consumer education requirement for graduation and will be exempt from taking a course which fulfills that requirement. No credit is given, but an indication of passing the test is noted on the student's transcript.

Grade Improvement

University High School supports a grade improvement policy in order to encourage students to gain a better knowledge of a particular subject area by repeating classes in which they experienced significant educational difficulties. This is designed to increase knowledge and mastery in a subject. The following guidelines are applicable for grade improvement:

- Only students who received a grade of "D" or "F" are eligible to apply the course for grade improvement.
- The second grade earned during this process, regardless if it is better, worse, or the same as the first, will replace the first grade. If credit had been previously earned, and an "F" is the resulting second grade that previously earned credit will be lost.
- Enrollment in a specific course for grade improvement will be dependent upon the availability of room in that course. Students taking the course for the first time have priority.
- Course work completed at another school other than University High School is not eligible for grade improvement unless approval is granted by the principal, counseling department, and the academic department.
- The grade improvement form must be completed within three (3) days of the start of a semester. Forms are available in the Counseling Center.

Honor Roll

Any full-time (six or more classes) student who receives a 3.50 or above GPA will be placed on the semester honor roll. All classes for that semester count toward the honor roll.

Incomplete Grades

U-High recognizes that, due to an extended illness or some other extraordinary reason, it may be necessary to issue a student an “incomplete” in place of a grade. Should this occur, the following policy will be followed:

- No “incomplete” may remain in force longer than ten (10) school days after the close of each grading period or ten (10) calendar days if in the spring semester.
- Failure to complete course work within ten (10) days will result in an “F” for the coursework not completed.
- The principal shall approve any exceptions to this policy.

Independent Study

Independent Study is often defined as “self-directed study.” Self-motivation is undoubtedly a primary characteristic of successful Independent Study students. At University High School, the Independent Study policy provides an opportunity for a U-High student to master an area of knowledge or a skill through independent organization and learning under the supervision and sponsorship of a U-High faculty member or designee. Independent Study contract forms may be obtained in the Counseling Center.

Independent Study arrangements are available for sophomore, junior, and senior students. Such arrangements may be for credit or non-credit and may be taken pass/fail. Independent Study is offered only in courses not offered in the curriculum. A student may not carry more than one Independent Study per semester and may not apply more than three (3) credits of Independent Study toward graduation requirements. Please note that most Independent Study courses are not approved for NCAA eligibility.

An individual teacher should not carry more than two (2) Independent Study contracts, unless approved by the principal during any semester. The major emphasis of Independent Study should be enrichment rather than remediation.

Detailed information on enrollment procedures for independent study courses is listed in Part 3 under Non-traditional coursework.

Normal Course Load

Students will be expected to take at least six (6) classes each semester they are enrolled. Within these six classes students must be enrolled in five academic courses and Physical Education. The recommended maximum load is seven classes, and the maximum allowable, with prior approval, is eight.

Pass/Fail Option

Students, upon reaching sophomore standing, shall be permitted to exercise the pass/fail option on any three (3) credits of the total required for graduation. A student may exercise the pass/fail option for no more than one (1) credit during any one school year of two (2) semesters. A student must elect the pass/fail option within the first ten days of the first quarter of the semester. In order to change back to a letter grade, a student must inform the Counseling Center by mid-term. A “pass” is not computed in the grade point average, but an “F” is. Forms are available in the counseling center. Please note that NCAA core classes taken on a pass/fail basis are calculated as being a grade of “D” by the NCAA.

Physical Education

The School Code of Illinois requires daily physical education for all students during each semester of attendance in high school. Therefore, every student **must** register for a physical education class with the following exceptions:

1. A written excuse from a certificated physician is presented indicating that the student shall be excused for a specific period of time.
2. The Physical Education Waiver policy is met.
3. A written statement for temporary or extended excuses from Physical Education is presented to the school nurse.

Physical Education Waiver Policy

It shall be the policy of University High School that students in grades 11 and 12 may request exemption from physical education for the following reasons:

- The student is determined to be participating in interscholastic athletics as certificated by the appropriate school personnel.
- The student is determined to be participating in marching band as certificated by the appropriate school personnel.
- The student provides written evidence from an institution of higher education that a specific course not included in existing state or University High School minimum graduation standards is required for admission. University High School staff must verify that the student’s present and proposed schedule will not

permit the completion of the needed course without the waiver.

- The student lacks sufficient course credit on one or more courses mandated by State requirements or University High School's graduation policy. Students who have failed required courses, transferred into the lab schools with deficient credits, or who lack credits due to other causes will be eligible for this exemption.
- Students may be exempted because of scheduling conflicts.
- Students taking an excessive academic load (i.e. two or three AP courses) may petition the administration for an independent study of health/nutrition/personal fitness in lieu of a regular physical education course.

Students who do not obtain a waiver must be enrolled in Physical Education class no later than the third day of the semester.

Each request for exemption from physical education will be decided on an individual basis by school personnel and will be monitored each grading period. Every student excused from physical education will be required to take a schedule of classes, which meets or exceeds the minimum school day requirement at University High School. Students waiving Physical Education will not receive the Physical Education credit and must take additional classes to meet the twenty-four (24) credit requirement for graduation.

No exemptions will be granted to students that will create class overloads in academic areas.

Scheduling and Scheduling Changes

After the master schedule has been established, University High School students have the unique opportunity to select their own schedules. Based upon their course requests and limited only by class size, students will meet with a counselor and choose the order of courses that best meets their needs. Students should carefully plan their schedules and once selected, be committed to it. In general, with proper planning students should not have to change their schedules after they have been created. Changes to a student's schedule are therefore strongly discouraged. However, we understand that occasionally circumstances and/or needs may change. With that in mind, students may request changes to their schedule only during predetermined times. Scheduling is permitting only until June 15. After that date, no schedule changes will be permitted. Beginning August 15 and lasting until the third day of a semester, students may request necessary changes due to (1) summer school attendance, (2) failure of a prerequisite, (3) teacher initiated level changes, (4) changes made to courses taught off-campus, (5) recognized special learning needs or (6) some other unusual circumstance during

the summer. In all cases, students must maintain a minimum course load of six classes each semester. In order to request a schedule change students must follow the below listed procedure:

1. See a counselor and discuss the requested change to your schedule.
2. Obtain a Schedule Change Request form from the counselor.
3. Fill the form out completely and have the change approved by obtaining signatures from all teachers involved and the student's parent/guardian.
4. If the requested change requires any additional forms (e.g. ISU Dual Enrollment, IVHS request, Independent Study Contract, etc.) these forms must be completed and attached to the Schedule Change Request form.
5. Students must continue to attend their current schedule until all required forms are completed, approved, and returned to their counselor.

Summer Semester

Courses are generally available in Business, English, Mathematics, Social Science, Science, Engineering Technology, and Physical Education. "Year-round" education is an integral part of the U-High experience. Summer registration is held in April, and U-High students have first choice before it is opened to other schools.

In selecting courses for the fall, students should not assume they will be enrolled in a summer school course. Therefore, students should make fall course request without considering summer school options. For example, sophomores should make requests for Sophomore Writing and Oral Communication even if they are hoping to take them in the summer.

PART 3 – UNIVERSITY HIGH SCHOOL COURSE DESCRIPTIONS, 2008-2009



ART DEPARTMENT

AR101/102 *Art Fundamentals*

Credit: 1.0 credit, Year
Prerequisite: None, Open to grades 9-11 only
Lab Fee: \$50.00 per semester

This course is designed to introduce students to the elements of art and principles of design, as they relate to visual composition. This study is approached predominantly through exercise (i.e., hands-on experience), discussion, and analysis. Students will be exposed to a variety of art movements as well as art media. These media include pencil, colored pencil, charcoal, chalk, ink, acrylic and watercolor painting, and other assorted media suitable for working in a two-dimensional format.

AR201 *Sculpture: A Look at the Third Dimension*

Credit: 0.5 credit
Prerequisite: AR101/102
Lab Fee: \$50.00

This one-semester course explores design and construction problems in the areas of sculpture, ceramics, plaster, wood, and other media relevant to a three-dimensional design. Study will be approached through analysis of 3-D forms, readings, reports, and the creation of sculptural forms. Evaluation is based on class involvement, growth, and performance.

This course is offered on an alternating year schedule and **will be** offered during the 2009-2010 school year. It will be offered again in 2011-2012.

AR202 *Printmaking*

Credit: 0.5 credit,
Prerequisite: AR101/102
Lab Fee: \$50.00

This one-semester studio course is designed where students learn various types of hand printing processes and press processes, which allow a greater range of two-dimensional expression. Drawing and painting skills will be employed.

This course is offered on an alternating year schedule and **will be** offered during the 2009-2010 school year. It will be offered again in 2011-2012.

AR211 *Commercial Art*

Credit: 0.5 credit, Not offered 2009-2010
Prerequisite: AR101/102
Lab Fee: \$50.00

This one-semester course is designed to introduce commercial art problems such as layout design, development and use of lettering, psychology of advertising, product presentation, and basic production techniques.

This course is offered on an alternating year schedule and **will not be** offered during the 2009-2010 school year. However, it will be offered again in 2010-2011.

AR212 *Ceramics*

Credit: 0.5 credit, Not offered 2009-2010
Prerequisite: AR101/102
Lab Fee: \$50.00

This one-semester studio course is designed to develop skill in working with basic clay construction methods both by hand and on the potters wheel, and exploration of various surface treatments of clayware and firing controls. Study will be approached through history, analysis, discussion, and hands on experiences.

This course is offered on an alternating year schedule and **will not be** offered during the 2009-2010 school year. However, it will be offered in 2010-2011.

AR213 *Art Media*

Credit: .5 credit Not offered 09-10
Prerequisite: AR101/102
Lab Fee: \$50.00

This one semester studio course is designed to expand student's abilities in the use of both 2-D and 3-D art media with an emphasis on combining art mediums in a variety of creations.

This course is offered on an alternating year schedule and **will not be** offered in 2009-2010. However, it will be offered in 2010-2011.

AR301/302 *Art History Survey*

Credit: 1.0 credit, Year
Prerequisite: Junior Standing
Lab Fee: \$20.00 per semester

This course is a survey of world art development beginning with the prehistoric period and progressing chronologically through to contemporary. Students are introduced to artworks and artist prominent to various historical periods. Influence on their times and the times on the artists are emphasized. Students will also be producing artwork relevant to the period being covered.

AR401/402 *AP Art, General Portfolio*

Credit: 1.0 credit, Year
Prerequisite: Two years of art and approval of instructor. *May be repeated.*
Lab Fee: \$50.00 per semester

The main objective of Advanced Placement Art is to allow high school students the opportunity of intensive study with a particular medium or subject matter. It is designed to encourage the students to work independently. Students are required to explore design elements within their particular area of interest. College credit is available to students receiving a satisfactory grade on a submitted art portfolio. This course may be repeated for advanced students with teacher approval.



BUSINESS DEPARTMENT

BU105 Word Processing

Credit: 0.5 credit, Semester
 Prerequisite: None
 Lab Fee: \$10.00

This course will provide an introduction to the background and principles of word processing. Students will learn the fundamentals of touch-typing as well as computer formatting procedures using MS Office Suite focusing on the use of Microsoft Word to complete: letters, reports, outlines, and tables. Students will be introduced to updated technology including email and the World Wide Web. Students will attain the skills necessary to meet vocational and/or personal goals. Grading will be based on weekly assignment completion, in addition to weekly timed typing.

BU115 Computer Concepts and Applications

Credit: 0.5 credit, Semester
 Prerequisite: None
 Lab Fee: \$10.00

Instruction in this course includes an extensive look at Microsoft Office. Students will be exposed to advanced MS Word, Excel, PowerPoint, Publisher, FrontPage, and Access applications. Students will explore the World Wide Web and will be expected to complete a personal Web page.

BU205 Consumer Economics

Credit: 0.5 credit, Semester
 Prerequisite: Sophomore standing,
 Required for graduation
 Lab Fee: None

This one-semester course is required in order to meet the consumer economics state requirement for graduation. It is directed from a personal finance viewpoint. Areas of emphasis include wise consumer decision-making, savings and investing, money management, renting/owning a home, buying a car, credit, taxes, and insurance. Students will engage in real-world projects using the Internet. This includes a stock market challenge.

BU301/302 Accounting

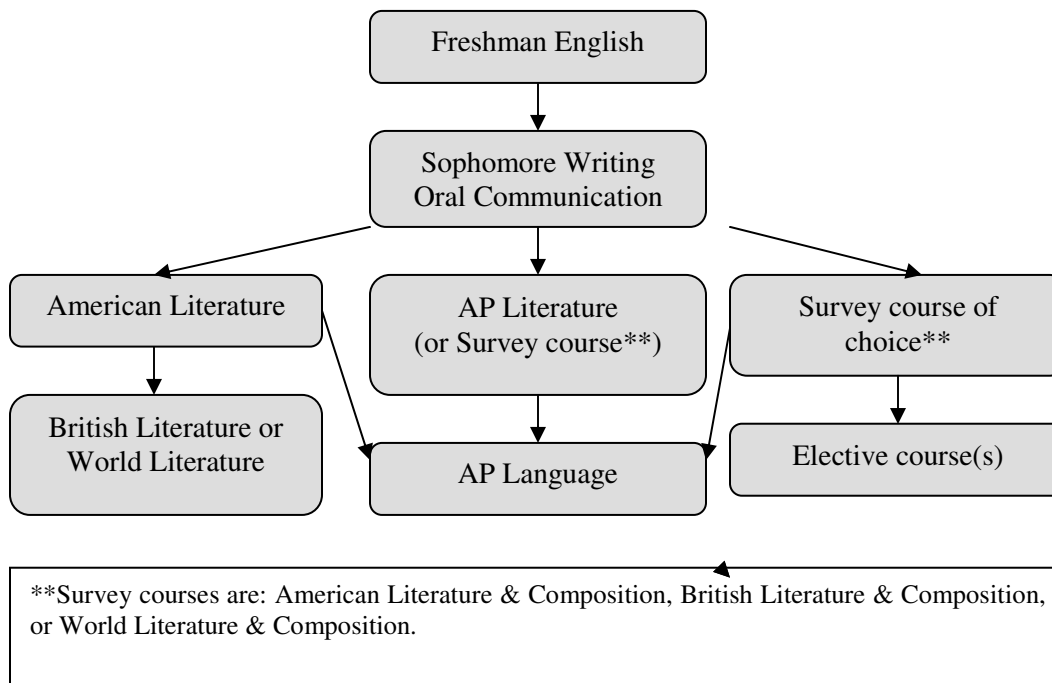
Credit: 1 credit, Year
 Prerequisite: Junior standing
 Lab Fee: None

Accounting is a skill level course that is of value to all students pursuing a background in business, marketing, and management. Students will be acquainted with the fundamental principles and terms of accounting and given the opportunity to apply these principles by solving problems and practice sets, both manually and with the aid of the computer. The class also provides many opportunities for students to learn about the world of business and our economic system. This course is highly encouraged to any student considering studying business in college.



ENGLISH DEPARTMENT

Suggested English Department Course Sequence



English Department Notes:

University High School graduation requirements include four credits earned in the English Department. The first two of those credits must be earned in specific courses. The final two credits can be earned through a wide variety of courses chosen by the student.

Freshmen: Every freshman must pass Freshman English.

Sophomores: Every sophomore must pass Sophomore Writing and Oral Communication. Students may apply one speech/communication class (½ credit) in addition to Oral Communication toward the four-credit graduation requirement in English.

Juniors and Seniors: Students must enroll in at least one survey course (American Literature and Composition, British Literature and Composition, World Literature and Composition, or AP English

Literature and Composition) prior to graduation. In general, most college-bound juniors will enroll in EN301/302, American Literature and Composition, while most college-bound seniors enroll in EN311/312, British Literature and Composition. Advanced Placement English courses are available to juniors and seniors.

Semester-length English electives are offered on an alternating year basis and generally in a specific sequence. Please pay special attention to these sequences when selecting semester courses.

Specifically Required Courses

EN101/102 ***Freshman English***

Credit: 1.0 credit, Year
 Prerequisite: None, *Required for graduation*
 Lab Fee: None

Freshman English is a required survey course for freshmen, which functions as an integral part of the freshman curriculum. The focus of Freshman English is on the development of a broad range of language skills, including critical reading, competent writing, careful listening, and public speaking. These skills are developed in the classroom and writing lab and applied during the completion of a series of interdisciplinary projects, which relate to freshman thematic units. Students read literature which relates to the major themes of Freshman Program, write in response to a variety of rhetorical situations, study group processes and procedures, and develop oral presentation skills.

EN205 ***Oral Communication***

Credit: 0.5 credit, Semester
 Prerequisite: EN101/102 and Sophomore standing, *Required for graduation*
 Lab Fee: None

This one-semester required course is composed of three units: 1) Introduction to Communication (verbal communication, non-verbal communication, listening); 2) Public Speaking; 3) Student Congress. Students will participate in a variety of communication activities, including formal speeches.

EN215 ***Sophomore Writing***

Credit: 0.5 credit, Semester
 Prerequisite: EN101/102 and Sophomore standing, *Required for graduation*
 Lab Fee: \$10.00

This semester composition course is required for graduation. Building on the elements of the writing process introduced in Freshman English, this class combines expository writing with formal vocabulary study and nonfiction reading. Taught as a writing workshop in a technology-rich environment, all students use computers as writing tools. Typical units include personal narrative, extended definition, letter writing, essay-test taking, documented essay writing, and research paper writing.

Full-Year Survey Courses

EN301/302 ***American Literature and Composition***

Credit: 1.0 credit, Year
 Prerequisite: EN205 and EN215
 Lab Fee: None

Recommended for college-bound juniors, this course combines the study of American literature from its beginnings to the present with composition based on the literature. Among the authors studied are Emerson, Jefferson, Thoreau, Hawthorne, Twain, Crane, Hemingway, Steinbeck, Cather, Bradbury, Douglas, Franklin, and Dickinson. Novels, essays, short stories, and poetry are examined.

EN311/312 ***British Literature and Composition***

Credit: 1.0 credit, Year
 Prerequisite: EN205 and EN215
 Lab Fee: None

Recommended for college-bound seniors, this course is situated in a laptop classroom and combines the study of British literature from its beginnings to the present with composition based on the literature. Among the authors studied are Shakespeare, Chaucer, Orwell, Milton, Wordsworth, Wilde, Bronte, and Shelley. Novels, essays, short stories, poetry, and plays are examined.

EN321/322 ***World Literature and Composition***

Credit: 1.0 credit, Year
 Prerequisite: EN205 and EN215
 Lab Fee: None

Recommended for college-bound students, this course provides a survey of world literature and is structured by both chronology and culture. Early units draw from Eastern, Asian, and classical civilizations. Second semester looks at European literature (i.e. Dante, Machiavelli, Milton, Tolstoy) and Twentieth Century writers from around the globe including a focus on Holocaust literature.

Advanced Placement Courses

EN401/402 ***AP English Literature and Composition***

Credit: 1.0 credit, Year
 Prerequisite: EN205, EN215 and Junior standing
 Lab Fee: AP test fee applies

This junior level AP course is a literature and composition course for college-bound students which consists of intensive work in both critical reading and

expository writing. Literature selections, with an emphasis on English language works, both British and American, are organized thematically. This is a discussion-based class that emphasizes critical thinking. A College Board Advanced Placement exam will be offered to those successfully completing the course.

EN501/502 *AP English Language and Composition*

Credit: 1.0 credit, Year
 Prerequisite: EN401/402 or another full-year survey course (EN301/302, EN311/312 or EN321/322)
 Lab Fee: AP test fee applies

This senior level AP course is an intensive expository writing course for college-bound seniors designed to develop advanced writing skills and analytical thinking skills. Students write and revise themes similar to those required in freshman college composition courses. A College Board Advanced Placement exam will be offered to those successfully completing the course.

Elective English Courses

EN111 *Argumentation and Debate*

Credit: 0.5 credit
 Prerequisite: None, *May be repeated*
 Lab Fee: None

In this course students learn the principles of argumentation and debate, analyze contemporary problems and issues, research the topics, and organize material for effective oral presentations. Students do in-class debating. Because the students' skills can be further developed and because the issues investigated change, the course may be repeated for credit.

This course is sequenced with EN112, Introduction to Theater and Acting.

This course is offered on an alternating year schedule and **will be** offered during the 2009-2010 school year. It will be offered again in 2011-2012.

EN112 *Introduction to Theater and Acting*

Credit: 0.5 credit
 Prerequisite: None
 Lab Fee: None

This semester course is an introduction to all areas of theatre. It will blend theatre history and dramatic literature (plays) from the various time periods with a study of basic acting and acting styles. Students will study basic theater history as they read dramatic literature and analyze it through the eyes of a theater

production. Students will develop their talents as performers through work in voice, movement, improvisation, and characterization as well as learn the elements needed to create a production as part of the creative team of designers and directors. Students must be willing to participate in performance-oriented and creative activities. This course provides the option of credit in either English or Fine Arts.

This course does not qualify for NCAA Clearinghouse.

This course is sequenced with ENG 232 Shakespeare.

This course is offered on an alternating year schedule and **will be** offered during the 2009-2010 school year. It will be offered again in 2011-2012.

EN221/222 *Journalism*

Credit: 1 academic credit, Year
 Prerequisite: Sophomore standing and have instructor approval. A Junior level literature course is preferred, *May be repeated*
 Lab Fee: \$25 per semester

This course emphasizes basic news writing, layout, design, copy, proofreading, photography, and graphics as they relate to the *Clarionette* newspaper and *Clarion* yearbook. All Journalism work is produced on a desktop publishing unit. Non-print and other forms of mass media will be included.

This course may be repeated for credit, however only one credit can be applied toward the English graduation requirement.

EN231 *Creative Writing and Desktop Publishing*

Credit: 0.5 credit, Fall Semester
 Prerequisite: Sophomore standing and basic keyboarding skills
 Lab Fee: \$10.00

A one-semester creative writing workshop in which students learn the basics of desktop publishing while producing portfolios of original poetry and prose. In addition to completing individual portfolios, each student will contribute to a class anthology and be encouraged to prepare at least one manuscript for submission to a publishing outlet or writing contest.

EN232 *Shakespeare*

Credit: 0.5 credit
 Prerequisite: EN101/102 & Sophomore standing
 Lab Fee: None

"The play's the thing" in this one-semester literature and discussion course devoted to the life and works of the bard: William Shakespeare. Tragedies and comedies such as *Hamlet*, *Othello*, *Much Ado About*

Nothing, and *A Midsummer Night's Dream* are studied both within the context of English Renaissance culture and for the timeless, universal appeal of the stories. The plays are reviewed via a range of media: text, film, audio recording, and live performance.

This course is sequenced with Introduction to Theater and Acting

This course is offered on an alternating year schedule and **will** be offered during the 2009-2010 school year. It will be offered again in 2011-2012.

EN242 ***Contemporary Literature***

Credit: 0.5 credit
Prerequisite: EN101/102 & Sophomore standing
Lab Fee: None **not offered in 2009-2010

A one-semester literature and discussion course devoted to the study of contemporary novels published between 1950 and the present. Works such as *Intensity*, *Hiroshima*, *The Lovely Bones*, and an audio book of choice will be studied. This course will include an introduction to literary analysis and a technology component.

This course is sequenced with EN231, Creative Writing and Desktop Publishing.

This course is offered on an alternating year schedule and **will not be** offered during the 2009-2010 school year. However, it will be offered in 2010-2011.

EN251 ***Science Fiction and Fantasy***

Credit: 0.5 credit,
Prerequisite: EN101/102 & Sophomore standing
Lab Fee: None

A one-semester literature and discussion course devoted to the study of science fiction and fantasy. The unique characteristics of these genres will be explored. Book list varies, but works comparable to *the Time Machine*, *Ender's Game*, and the Harry Potter series will be studied for their literary merit as well as their social impact.

This course is sequenced with EN261, Masterpieces in Literature.

This course is offered on an alternating year schedule and **will be** offered during the 2009-2010 school year. It will be offered again in 2011-2012.

EN252 ***Contemporary Rhetoric***

Credit: 0.5 credit
Prerequisite: EN101/102 & Sophomore standing
Lab Fee: None

A one-semester course grounded in contemporary texts that helps students understand modern rhetorical devices used in the media they consume and requires

students to put those devices into use in their own writing.

This course is sequenced with ENG 111 Argumentation and Debate.

This course is offered on an alternating year schedule and **will be** offered during the 2009-2010 school year. It will be offered again in 2011-2012.

EN261 ***Masterpieces of Literature***

Credit: 0.5 credit
Prerequisite: EN101/102 & Sophomore standing
Lab Fee: None

A one-semester literature course devoted to the study of literary classics from a variety of countries, cultures, and time periods. The booklist is eclectic: representative works include *Antigone*, *Medea*, *Their Eyes Were Watching God*, and *Siddhartha*.

This course is sequenced with EN251 Science Fiction and Fantasy.

This course is offered on an alternating year schedule and **will be** offered during the 2009-2010 school year. It will be offered again in 2011-2012.

EN262 ***Introduction to Mass Media***

Credit: 0.5 credit
Prerequisite: EN101/102
Lab Fee: None **Not offered in 2009-2010

This one-semester course is designed to make students more critical consumers of the mass media. The historical significance, industrial models, and current controversies of various media are explored.

This course does not qualify for NCAA Clearinghouse.

This course is offered on an alternating year schedule and **will not be** offered during the 2009-2010 school year. However, it will be offered again in 2010-2011.

EN271 ***Introduction to Film***

Credit: 0.5 credit
Prerequisite: EN101/102 & Sophomore standing
Lab Fee: None **not offered in 2009-2010

In this one-semester course students study the elements of film, and apply them to the evaluation and criticism of movies. In addition, students learn about the historical development of movies. A significant number of films are viewed and discussed in class. This course is sequenced with EN272, Story Telling in a Digital Age.

This course is offered on an alternating year schedule and **will not be** offered during the 2009-2010 school year. However, it will be offered again in 2010-2011.

EN272 ***Story Telling in a Digital Age***

Credit: 0.5 credit
Prerequisite: EN101/102 & Sophomore standing
Lab Fee: \$10.00 **Not offered in 2009-2010

Lights, camera, action! This hands-on introduction to multi-media production takes story telling into the Digital Age. Students begin with writing, then move to a scaffolded series of production units: a memoir-based photo essay, a Video Poem (a.k.a. cin-E-poem), a how-to informational piece, and a choice of either a mini documentary or a literary adaptation short film. Software will include Photostory3, Pinnacle (for full motion video), and Microsoft's Producer (for self-contained presentations).

This course does not qualify for NCAA Clearinghouse.

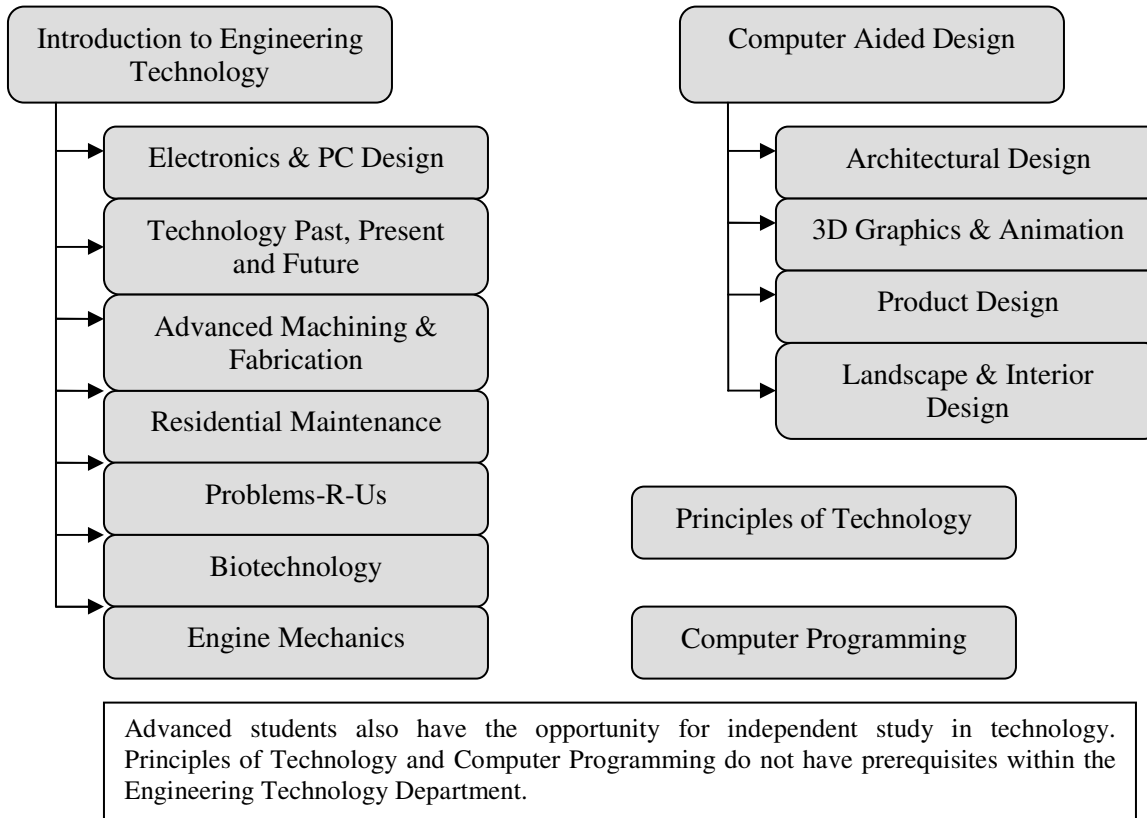
This course is sequenced with EN271, Introduction to Film.

This course is offered on an alternating year schedule and **will not be** offered during the 2009-2010 school year. However, it will be offered again in 2010-2011.



ENGINEERING TECHNOLOGY DEPARTMENT

Suggested Engineering Technology Department Course Sequence



The Engineering Technology Department courses listed below are organized by their main prerequisite course. Therefore, all courses requiring ET101/102 Introduction to Engineering are listed immediately following that course description. Courses requiring ET111/112 Computer Aided Design are listed following that course. The science and computer courses offered, which have no prerequisite within this department are listed at the end of the course descriptions for this department.

Engineering Technology Track

ET101/102 Introduction to Engineering Technology

ET101E/102E Early Bird Section

Credit: 1.0 credit, Year
Prerequisite: None
Lab Fee: \$20.00 per semester

This course is designed to introduce students to the major engineering fields, including civil, mechanical, electrical, and aerospace engineering. Students will learn the basic concepts of each field and put their knowledge into practice with many hands-on projects. Typical projects include wind tunnel testing, computer networking, concrete beam testing, electrical power generation, and the annual Rube Goldberg machine design competition. This course is a prerequisite for several engineering technology track courses.

ET230 Electronics/Computer Design

Credit: 0.5 credit
Prerequisite: ET101/102
Lab Fee: \$20.00

This course is designed to give students the basic understanding of electricity and electronics. Fundamentals of basic circuitry will be discussed along with the laws and properties of electricity. Students will learn to use and develop electrical devices and troubleshoot electrical systems. The class is designed to keep students involved and will be student centered through hands-on activities such as small electrical projects. The two capstone projects will be investigating and building a personal computer, as well as, designing, building and competing in the robot hockey competition.

ET235 Technology: Past, Present, and Future

Credit: 0.5 credit
Prerequisite: ET101/102
Lab Fee: \$20.00

This course is a look at the history of the world and technology throughout time. How did we get to where we are today and where are we going in the future? Part of the time we will spend in the classroom learning about the historical periods and the other time will be spent in the lab recreating inventions, innovations and major accomplishment during that time period. Major projects will include making fire with sticks, designing tools from stone, trebuchets, catapults, Iron and Bronze Age metal works, and industrial revolution creations. Proposed field trips are to Dickson Mounds and the Museum of Science and Industry.

ET240 Advanced Machining & Fabrication

Credit: 0.5 credit, Semester
Prerequisite: ET101/102
Lab Fee: \$20.00

This course will cover advanced techniques in machining, welding, metal casting, and other processes. Students will learn techniques for fabrication of wood, plastics, metals, and composite materials. Focus will be on individual and group projects that combine a wide variety of techniques and skills. The course includes a capstone project chosen by the student.

ET245 Residential Maintenance

Credit: 0.5 credit, Semester
Prerequisite: ET101/102
Lab Fee: \$20.00

We will explore a variety of issues that most of us face each and everyday. Common household tips and tricks for most everyone. Painting, drywall, tile, basic electricity, plumbing, and other common household challenges looked at in depth and answers explored. Automotive basics. How to change your tires, oil, spark plugs, check antifreeze, winterize your car, safety, and other automotive questions will be answered.

ET250 Problems-R-Us

Credit: 0.5 credit
Prerequisite: ET101/102
Lab Fee: \$20.00

Problems-R-Us is a course designed to confront students with real world engineering challenges and have them develop solutions to those problems. The students will perform just as an engineer would when confronted with a real problem. Emphasis will be on problem solving, critical thinking and decision making to most effectively and efficiently develop solutions. A variety of sources will be used for problems. Primary areas for problems will be within U-High, ISU, businesses and industry.

ET255 Engine Mechanics

Credit: 0.5 credit, Semester
Prerequisite: ET101/102
Lab Fee: \$20.00

Students will learn the major components of automobile engines. They will identify the various parts and learn basic diagnostics and cures to common engine problems. There will be discussion on performance, horsepower, and energy efficiency.

Automobile care and maintenance will also be addressed.

ET260 *Biotechnology*

Credit: 0.5 credit, Semester
Prerequisite: ET101/102 recommended
Lab Fee: \$20.00

Amazing advances in genetics and biotechnology are occurring daily. But, increasingly, we find we must weigh the costs and benefits of using this new technology. From the food we buy at the store to the diagnosis of hidden diseases, there are interesting and difficult ethical issues that arise. This class is first geared toward understanding the basic scientific principles behind advances in genetics and biotechnology, and then towards a discussion of the many societal issues that ensue from their use. Lectures will cover fundamental genetic concepts including genes, mutations, chromosomal inheritance, gene regulation, and recombinant DNA technology. Class discussions will delve into diverse topics including cloning animals, bioengineering new food products, using DNA to solve crimes, and applying biotechnology to medicine.

Computer Aided Design Track

ET111/112 *Computer-Aided Design*

Credit: 1.0 credit, Year
Prerequisite: None
Lab Fee: \$10.00 per semester

This course teaches the knowledge and skills needed to develop technical designs and record those designs on paper and on the computer. Major topics covered in the course include precision drawing techniques, 2D drafting, 3D modeling, and architectural design. Individual design projects will make up a large part of the course. Students also will receive significant experience with AutoCAD and other leading software programs. This course is also a prerequisite for several design courses within the Computer Aided Design track.

ET211/212 *Architectural Design*

Credit: 1.0 credit
Prerequisite: ET111/112
Lab Fee: \$10.00 per semester

Architectural Design is a course designed to introduce students to the basic and advanced fundamentals of residential architecture. Emphasis will be placed on the areas of sketching, basic drawing, floor plan and elevation development, use of Computer Aided Design (AutoCAD), and problem solving. Students will develop plans for a two-car garage, vacation cottage, and a two-story residential home. Building design and

construction materials and processes will be introduced and emphasized.

ET221/222 *3D Graphics and Animation*

Credit: 1.0 credit
Prerequisite: IT111/112
Lab Fee: \$20.00

3D Graphics and Animation introduces students to the growing field of realistic computer modeling. Students will create detailed 3D models of real world objects, and then learn how to accurately portray them in both still and animated images. The course will also introduce students to computer animation and rendering as used in cinema and video.

ET270 *Product Design*

Credit: 0.5 credit
Prerequisite: IT111/112
Lab Fee: \$20.00

Product Design is a course in real-world product development. Students will develop skills in both computer modeling and hands-on prototyping techniques. Computer modeling techniques include 3D parametric modeling, kinematics, and other engineering analysis techniques. Prototyping techniques include working with wood, clay, foam, and other materials, as well as electrical and mechanical components. A large portion of the course will be spent on an individual design project selected by the student, resulting in a working prototype of and advanced design.

ET275 *Landscape and Interior Design*

Credit: 0.5 credit
Prerequisite: ET111/112
Lab Fee: \$20.00

During this class, students will learn the processes of both interior and exterior space analysis and design. Students will study the impact of plantings, pathways, lighting, color, texture room layout, furniture placement as well as landscape layout. They will also have the opportunity to work with architects and designers in designing and actually creating interior and landscape projects.

Science Elective

SC201/202 ***Principles of Technology***

| | |
|---------------|--|
| Credit: | 1.0 credit (science or engineering technology), Year |
| Prerequisite: | Sophomore standing and one year of high school mathematics |
| Lab Fee: | \$20.00 per semester |

Principles of Technology is a course in applied science that is designed to prepare students more effectively for advances in technology. It blends an understanding of basic science principles with practice in practical applications. Principles of Technology deals with physics concepts as they apply in the four energy systems: mechanical, fluid, thermal, and electrical. Emphasis will also be placed on hands-on activities, creative thinking and problem solving, and having fun learning. Activities include design challenges such as CO₂ car design, Rube Goldberg machines and watercraft. Field trips will also be taken to understand these principles first hand.

Computer Elective

ET280 ***Computer Programming***

| | |
|---------------|--|
| Credit: | 0.5 credit |
| Prerequisite: | Credit or concurrent enrollment in MA121/122 |
| Lab Fee: | \$20.00 |

This course is a one-semester introduction to computer programming, focusing on writing programs and applets with the JAVA computer language. Students will learn how to structure and code programs for the personal computer. Students will also spend some time programming chip-sized microcomputers that are used in robots, automobiles, and household appliances.



FOREIGN LANGUAGE DEPARTMENT

- Each semester of a language course must be passed before advancing to the next. The Foreign Language Department requires a grade of “C” or better before advancing from one level to the next.
- Incoming freshman students from Metcalf are expected to continue in Level 2 after having completed 6th, 7th, and 8th grade foreign language.
- Incoming freshman students from all other districts are also expected to continue in Level 2 after having completed 7th and 8th grade foreign language.

French Courses

FL101/102 *French 1*

Credit: 1.0 credit, Year
Prerequisite: None
Lab Fee: \$5.00 per semester

This course is for those beginning their study of French or those with minimal experience in French. French is presented as a global language, and the students learn about French culture as they develop their linguistic skills. Emphasis is placed on developing skills in listening comprehension and communication, although reading and writing are also included.

FL201/202 *French 2*

Credit: 1.0 credit, Year
Prerequisite: FL101/102 or equivalent with a grade of “C” or above
Lab Fee: \$5.00 per semester

Students will discuss various topics and cover most of the basic grammar in French. Video clips introduce vocabulary and grammar for each chapter while textual materials facilitate the expansion of language learned and practiced. Through cultural readings, students will learn about the music, art, history, politics and food of France, Canada, and other French-speaking countries.

FL301/302 *French 3*

Credit: 1.0 credit, Year
Prerequisite: FL201/202 or equivalent with a grade of “C” or above
Lab Fee: \$5.00 per semester

Emphasis is on oral communication and vocabulary. Students will participate in progressively more challenging conversations. Grammar is integrated with objectives of communication, reading skills are strengthened by means of short literary pieces by recognized French authors, and listening skills are further developed through the use of a CD’s and DVD’s.

FL401/402 *French 4*

Credit: 1.0 credit, Year
Prerequisite: FL301/302 or equivalent with a grade of “C” or above
Lab Fee: \$5.00 per semester

Emphasis is placed on the transition from listening to speaking. Composition, both formal and informal, becomes increasingly more important, and the students are put into situations where French is the only means of communication. Reading is centered on French history, news articles, short stories, and a novel.

FL501/502 *French 5*

Credit: 1.0 credit, Year
Prerequisite: FL 401/402 or equivalent with a grade of “C” or above
Lab Fee: \$5.00 per semester

This class is intended for students who wish to develop their proficiency in all four language skills: listening, speaking, reading, and writing. Students will practice comprehension of formal and informal spoken French. Students will also do an in-depth study of vocabulary and grammar to allow the accurate reading of newspaper and magazine articles and French literature. Students will compose expository passages, read works intended for native speakers, participate in discussions, and give presentations.

Spanish Courses

FL111/112 Spanish 1
FL111E/112E Early Bird Section

Credit: 1.0 credit, Year
 Prerequisite: None
 Lab Fee: \$5.00 per semester

This course is for those beginning their study of Spanish or those with minimal experience in Spanish. Spanish is presented as a global language, and the students learn about various cultures as they develop their linguistic skills. Emphasis is placed on developing skills in listening comprehension and communication, although reading and writing are also included.

FL211/212 Spanish 2

Credit: 1.0 credit, Year
 Prerequisite: FL111/112 or equivalent with a grade of "C" or above
 Lab Fee: \$5.00 per semester

Students will discuss various topics and cover most of the basic grammar in Spanish. Video clips introduce vocabulary and grammar for each chapter while textual materials facilitate the expansion of language learned and practiced. Through cultural readings, students will learn about the music, art, history, politics and food of Spain, Mexico, Puerto Rico, and Costa Rica.

FL311/312 Spanish 3

Credit: 1.0 credit, Year
 Prerequisite: FL211/212 or equivalent with a grade of "C" or above
 Lab Fee: \$5.00 per semester

Listening and speaking skills are strengthened through the emphasis on oral communication. Students will learn vocabulary necessary to participate in daily life conversations. Language structure is integrated throughout the course with the objective of understandable communication. Reading skills are strengthened by means of short stories and one mini-novel. Writing skills are strengthened through contextualized grammar and research composition activities.

FL411/412 Spanish 4

Credit: 1.0 credit, Year
 Prerequisite: FL311/312 or equivalent with a grade of "A" or "B"
 Lab Fee: \$5.00 per semester

Emphasis is placed on using higher order thinking skills to analyze literature and culture. Class discussion and participation, conducted in Spanish, are

important parts of this class. Grammar is reviewed and new, complex structures are learned. Written composition combines grammar and literary analysis. Foreign films are used as a means to fuel historical and cultural discussion. The class also focuses on improving reading comprehension through literature.

FL511/512 Spanish 5

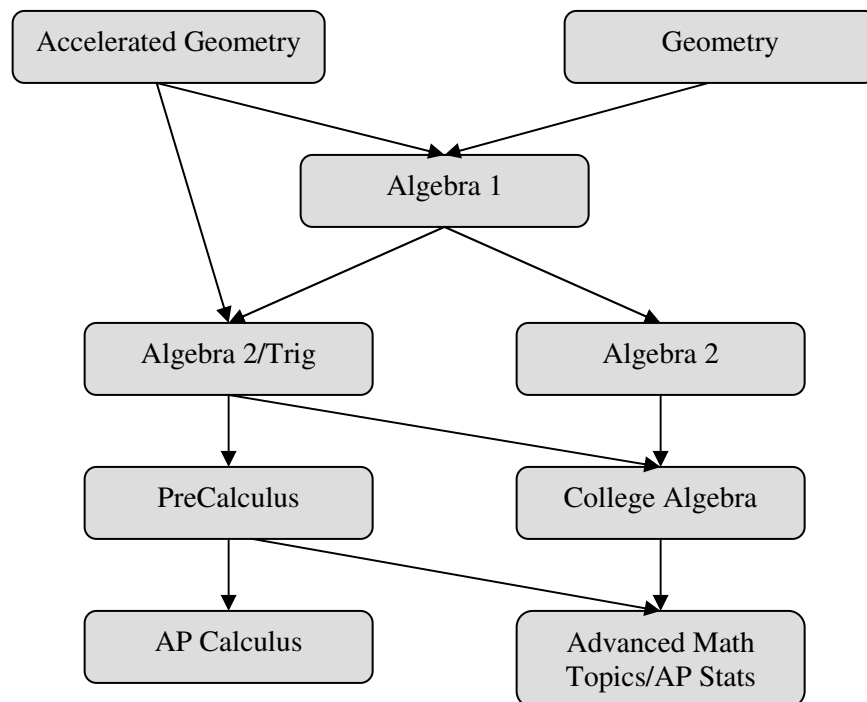
Credit: 1.0 credit, Year
 Prerequisite: FL411/412 or equivalent with a grade of "A" or "B"
 Lab Fee: \$5.00 per semester

This class is intended for students who wish to develop their proficiency in all four language skills: listening, speaking, reading, and writing. Students will practice comprehension of formal and informal spoken Spanish. Students will also do an in-depth study of vocabulary and grammar to allow the accurate reading of newspaper and magazine articles and modern Spanish literature. Students will compose expository passages, read works intended for native speakers, participate in discussions, and give presentations. This course will meet alternating days of the week and will include outside class work online.



MATHEMATICS DEPARTMENT

Suggested Mathematics Department Course Sequence



Students enter at the top.
Each box represents one year

- Math courses are offered in the sequence shown below. For a clearer illustration see the complete flow chart above. **Each semester in Levels 1–5 must be passed before advancing to the next semester.** The Mathematics Department recommends a minimum grade of C or better before advancing to the next level. Students may receive a maximum of one credit at each level.
- Every math student is required to bring an appropriate calculator to class each day. A *scientific* model calculator for students in all levels of Algebra 1 and in all levels of Geometry. We suggest the TI-30X, 34X, or 36X or similar model with SIN, COS, and TAN functions. Students in all levels of Algebra 2, College Algebra, Pre-Calculus, and Advanced Topics are required to use

a graphing calculator; we strongly recommend the TI-83 or TI-83+, or TI-84. AP Calculus students will be required to have a TI-89 or TI-89 Titanium. Some teachers may also require each student to pay a small fee for the purchase of additional materials to be used on a regular basis in their course.

- All mathematics courses at University High School are aligned with Illinois Learning Standards and NCTM Standards.

Level 1 Math Courses**MA101/102 *Geometry***

| | |
|---------------|---|
| Credit: | 1.0 credit, Year |
| Prerequisite: | Placement based on a student's 8 th grade Algebra experience and the EXPLORE math score. |
| Lab Fee: | None |

This course is based on the principles of Euclidean, plane, and solid geometries. Students will be introduced to the basic postulates and theorems of geometry and encouraged to extend these ideas to the topics of similarity, circles, area, volume, and proof. Additional topics include constructions, probability, and basic concepts of algebra.

MA111/112 *Accelerated Geometry***MA111E/112E *Early Bird Section***

| | |
|---------------|---|
| Credit: | 1.0 credit, Year |
| Prerequisite: | Placement based on a student's 8 th grade Algebra experience and the EXPLORE math score. |
| Lab Fee: | None |

This course is based on the principles of Euclidean, plane, and solid geometries. Students will be introduced to the basic postulates and theorems of geometry and encouraged to extend these ideas to the topics of similarity, circles, area, volume, and proof. Additional topics include constructions, probability, and basic concepts of algebra. In addition, students are involved in a more technological, theoretical, and algebraic approach to geometry.

Level 2 Math Course**MA221/222 *Algebra 1***

| | |
|---------------|------------------|
| Credit: | 1.0 credit, Year |
| Prerequisite: | MA101/102 |
| Lab Fee: | None |

This course integrates traditional algebra topics with various methods of problem solving. Topics include: sets, properties of the real number system, exponents, radicals, polynomials, functions, graphing, equations, probability, statistics, and quadratics.

Level 3 Math Courses

Note: Level 3 courses complete Mathematics preparation for the ACT

MA301/302 *Algebra 2*

| | |
|---------------|-------------------------|
| Credit: | 1.0 credit, Year |
| Prerequisite: | MA221/222 or equivalent |
| Lab Fee: | None |

This course is a traditional second year of algebra. Topics include: a brief review and extension of basic

algebra principles; linear, quadratic, rational, radical, logarithmic, and exponential functions and equations; matrices; probability and statistics; and basic trigonometric functions and their properties.

MA311/312 *Algebra 2/Trigonometry*

| | |
|---------------|---------------------|
| Credit: | 1.0 credit, Year |
| Prerequisite: | A or B in MA221/222 |
| Lab Fee: | None |

This course combines a second year of algebra and the study of trigonometric functions. Topics include those listed above in Algebra 2 plus: sequences and series; combinatorics; properties of trigonometric and inverse trigonometric functions; trigonometric equations; solutions of oblique and right triangles.

Level 4 Math Courses**MA401/402 *College Algebra***

| | |
|---------------|------------------|
| Credit: | 1.0 credit, Year |
| Prerequisite: | MA301/302 |
| Lab Fee: | None |

Mathematical topics and applications required for college-level study in areas such as biology, business, computer science, and/or social science are emphasized. Topics include; statistics, models and transformations of functions; polynomial, power, exponential, logarithmic and trigonometric functions; sequences and series; probability and statistics; and conics.

MA411/412 *Pre-Calculus*

| | |
|---------------|---------------------|
| Credit: | 1.0 credit, Year |
| Prerequisite: | A or B in MA311/312 |
| Lab Fee: | None |

This course emphasizes topics that will prepare the students for higher-level mathematics. It is recommended for students who will pursue college courses in mathematics, the sciences, engineering and other mathematics-intensive degrees. Topics include: trigonometric functions and identities, inverse functions, vector algebra, plane and solid analytic geometry, polynomials, exponents and logarithms, statistics and probability, polar coordinates, complex numbers, and introductory calculus topics.

Level 5 Math Courses**MA501/502 *Adv. Math Topics/AP Stats***

| | |
|---------------|------------------------|
| Credit: | 1.0 credit, Year |
| Prerequisite: | MA401/402 or MA411/412 |
| Lab Fee: | AP test fee may apply |

This course emphasizes the mathematical topics and applications required for college level study in areas such as biology, business, computer science, and/or

social science. Topics may include: probability, statistics, matrices, linear programming, mathematical modeling, difference equations, finance, symbolic logic, and graph theory. The course will be individualized to meet the needs of the enrolled students. Therefore, the AP Statistics curriculum may be included in the course.

MA511/512 AP Calculus

Credit: 1.0 credit, Year
Prerequisite: A or B in MA411/412 and Departmental invitation
Lab Fee: AP test fee applies

This is a first course in differential and integral calculus, covering all topics included in the AP AB Calculus curriculum. AP Calculus is comparable to a first college calculus course for students majoring in mathematics or the sciences. Students will take the AP Calculus exam in the spring.



MUSIC DEPARTMENT

MU101/102 Chorus 1

Credit: 1.0 credit, Year
Prerequisite: None
Lab Fee: \$25.00 per semester

Open to all students in grades 9-12 who enjoy singing. This course covers a wide variety of choral music while focusing on vocal production, ensemble singing techniques, music reading skills, and music appreciation.

Attendance at all scheduled performances is required.

MU111/112 Treble Choir

Credit: 1.0 credit, Year
Prerequisite: None
Lab Fee: \$25.00 per semester

An intermediate level chorus open to all female students in grades 9-12. This course covers a wide variety of choral music while focusing on vocal production, ensemble singing techniques, music reading skills, and history of and appreciation for various musical styles. Previous chorus experience is recommended, but not required.

Attendance at all scheduled performances is required.

PE111E/112E Dance and Orchestis

Credit: 1.0 credit, Year
Prerequisite: None, *May be repeated*
Lab Fee: \$25.00 per semester

The dance division offers two levels combined with the emphasis on movement through dance, history, injury prevention, technique classes, dance composition, choreography, and performance. While both levels are encouraged to take part in two major dance concerts a year, Orchestis is the pre-auditioned performing group required to attend regular and mandatory rehearsals outside of class time. May be taken for either Physical Education or Fine Arts credit. **This is an early bird course, meeting at 7:00am.**

MU121/122 Orchestra

Credit: 1.0 credit, Year
Prerequisite: None
Lab Fee: \$25.00 per semester

The orchestra is an ensemble that provides musical experiences for students who play string instruments. In orchestra we study and perform a wide variety of music from both classical and pop genres. With the consent of the instructor, school-owned cello or string bass instruments may be provided. Lessons and chamber music opportunities are also available.

Attendance at all scheduled concerts and performances is required.

MU131/132 Band

Credit: 1.0 credit, Year
Prerequisite: A minimum of one year of prior band experience or Instructor approval
Lab Fee: \$75.00 for fall semester, and \$25.00 for spring semester

The band is an ensemble that provides musical experiences for students who play woodwind, brass, or percussion instruments. Students are taught instrumental and ensemble techniques with an emphasis on musicianship. The curriculum includes marching band and concert band, and students are required to attend and perform at all home football games, scheduled parades, contests, and concerts. Students at all levels of proficiency are welcomed, and students wishing to enter band as a beginner can do so with the consent of the instructor.

Attendance at all scheduled performances is required, as well as some required summer marching band rehearsals and marching band camp.

MU141 Auxiliary Corps

Credit: 0.5 credit, Fall Semester
Prerequisite: None
Lab Fee: \$75.00

The Auxiliary Corps or Flags are the “colors” of the University High School Marching Pioneers. Through costuming and equipment (flags, banners, etc.), they portray the music to the audience. The course is

offered first semester only and meets in conjunction with the band class.

Students are required to attend and perform at all home football games, scheduled parades and contests, as well as some required summer marching band rehearsals and marching band camp.

MU201/202 Concert Choir

| | |
|---------------|--|
| Credit: | 1.0 credit, Year |
| Prerequisite: | Sophomore standing and Instructor approval |
| Lab Fee: | \$25.00 per semester |

An auditioned, advanced choir consisting of students in grades 9-12. This course continues the course objectives of Chorus 1 and Treble Choir supplemented by additional study in advanced choral literature.

Attendance at all scheduled performances is required.



PHYSICAL, HEALTH, AND DRIVER EDUCATION DEPARTMENT

Consistent with State of Illinois requirements, University High School requires each student to attend Physical Education/Wellness class for four-years to fulfill graduation requirements. The Physical Education/Wellness curriculum is designed to help students fulfill this requirement in a variety of ways.

PE101/102 Freshman Wellness

Credit: 1.0 credit, Year
Prerequisite: None
Lab Fee: None

All students are enrolled in freshman wellness. This class combines Physical Education and Health. The concept is to expose the students to a total wellness program for individual health. Our goal in the class is for students to accept responsibility for their own health and through the wellness program examine alternatives for various lifestyle practices.

PE111E/112E Dance and Orchestis

Credit: 1.0 credit, Year
Prerequisite: None, *May be repeated*
Lab Fee: \$25.00 per semester

The dance division offers two levels combined with the emphasis on movement through dance, history, injury prevention, technique classes, dance composition, choreography, and performance. While both levels are encouraged to take part in two major dance concerts a year, Orchestis is the pre-auditioned performing group required to attend regular and mandatory rehearsals outside of class time. May be taken for either Physical Education or Fine Arts credit. **This is an early bird course, meeting at 7:00am.**

PE201/202 Physical Education Activities

PE201E/202E Early Bird Section

Credit: 0.5 credit each Semester
Prerequisite: Sophomore standing
Lab Fee: None

The activities offered in the course include: Aerobics, Archery, Badminton, Basketball, Billiards, Bowling, Fitness, Flag Football, Floor Hockey, Golf, Pickle Ball, Recreation Games, Soccer, Softball, Speedball, Table Tennis, Tennis, Track, Volleyball, and Weight

Training. The activities will be scheduled in three-week units through each quarter.

PE211/212 Personal Fitness

PE211E/212E Early Bird Section

Credit: 0.5 credit each Semester
Prerequisite: Sophomore standing
Lab Fee: None

The objective of this course is to implement a teacher approved health related physical fitness program that will allow the individual to improve cardiovascular endurance, muscular strength and endurance, flexibility and body composition. Students in this class will concentrate on strength training and cardiovascular endurance. This class is designed for those who wish to concentrate on an individualized fitness program rather than team activities. Data will be collected through heart rate monitors and body composition testing.

PE213/214E Early Bird Section Advanced Strength and Conditioning

Credit: .5 credit each Semester
Prerequisite: Sophomore Standing
Lab Fee: None

This course will be a training intensive curriculum. The focus of this course will be to improve the individual's strength, speed, power, flexibility, agility, balance, and bodily awareness. Activities included in the class will be a regimen of weight training, plyometrics, dynamic stretching, and static stretching. Additionally, instruction will be given on proper exercise techniques, and proper dietary supplementation for training. Participants in this class will be graded upon attendance, participation, and improvement.

PE221/222 *Driver Education*

| | |
|---------------|---|
| Credit: | 0.25 credit, Quarter |
| Prerequisite: | Sophomore standing. All students must have passed at least eight academic courses during the previous two semesters, and meet age requirements. Pre-registration must be verified by the counselor. |
| Lab Fee: | \$150.00, plus \$20.00 for instruction permit required by the state |

Enrollment is determined according to the student's date of birth. Classroom Driver Education is offered the first and third nine weeks, while behind-the-wheel instruction is ongoing throughout the year. Students will be scheduled in their Physical Education selection during the times they are not involved in Driver Education. Students enrolling in Driver Education must also select a physical education course. Students who elect to take Driver Education during summer school or from a site other than U-High will be enrolled in physical education for the entire school year. All students should consult with their counselor prior to registration to verify their eligibility for the course and which semester they should register.

The comprehensive driver education program is a combination of classroom instruction along with behind-the-wheel training. As of 1998, people under the age of 21 must follow the new "Graduated License Laws," which includes 50 clock hours of practice driving with parent or legal guardian (10 hours of night driving), as well as other new regulations (see chart below). Topics to be covered during the classroom phase: Rules of the Road; safety; proper driving techniques; driving under various conditions; mechanical operation and preventive maintenance; emergency situations; auto insurance; buying a car; and fuel economy.

Graduated License Program Information

Under a state law that took effect January 1, 1998 a graduated driver licensing system was instituted. The purpose is to gradually give young, beginning drivers full driving privileges. The new three-level system is intended to ensure that early driving experience is acquired in low-risk situations. The three levels of the new system are highlighted as follows:

Permit Phase: For drivers 15 years old and under

- All occupants under age 18 must wear safety belts.
- Number of passengers limited to one in front seat and to number of safety belts in back seat.
- Practice driving supervised by parent or adult age 21 or older.

- Permit must be held for a minimum of nine months and is valid for up to two years.
- Driving curfews: 11:00 p.m. Sunday-Thursday and midnight Friday and Saturday.
- .00 Blood Alcohol Content (B.A.C.)
- Completion of approved driver education course and testing.
- Passage of vision and knowledge tests.
- Conviction of serious moving violation results in a six-month licensing denial.
- Any driver found without a permit will be ineligible to obtain a license until age 18.

Initial Licensing Phase: For drivers 16-17 years old

- All occupants under age 18 must wear safety belts.
- Number of passengers limited to one in front seat and to number of safety belts in back seat.
- Parental consent required to obtain a license; parent must confirm that a minimum of 25 hours of practice driving has taken place.
- Driving curfews: 11:00 p.m. Sunday-Thursday and midnight Friday and Saturday.
- .00 Blood Alcohol Content (B.A.C.)
- Limit of one court supervision for serious offenses.
- Conviction of any moving violation before age 18 generates warning letter to parent and teen.
- Second conviction of any moving violation before age 18 results in a minimum 30-day suspension, with longer suspensions for subsequent violations.
- Suspended drivers required to attend remedial education course, be restored, and pay \$30.00.

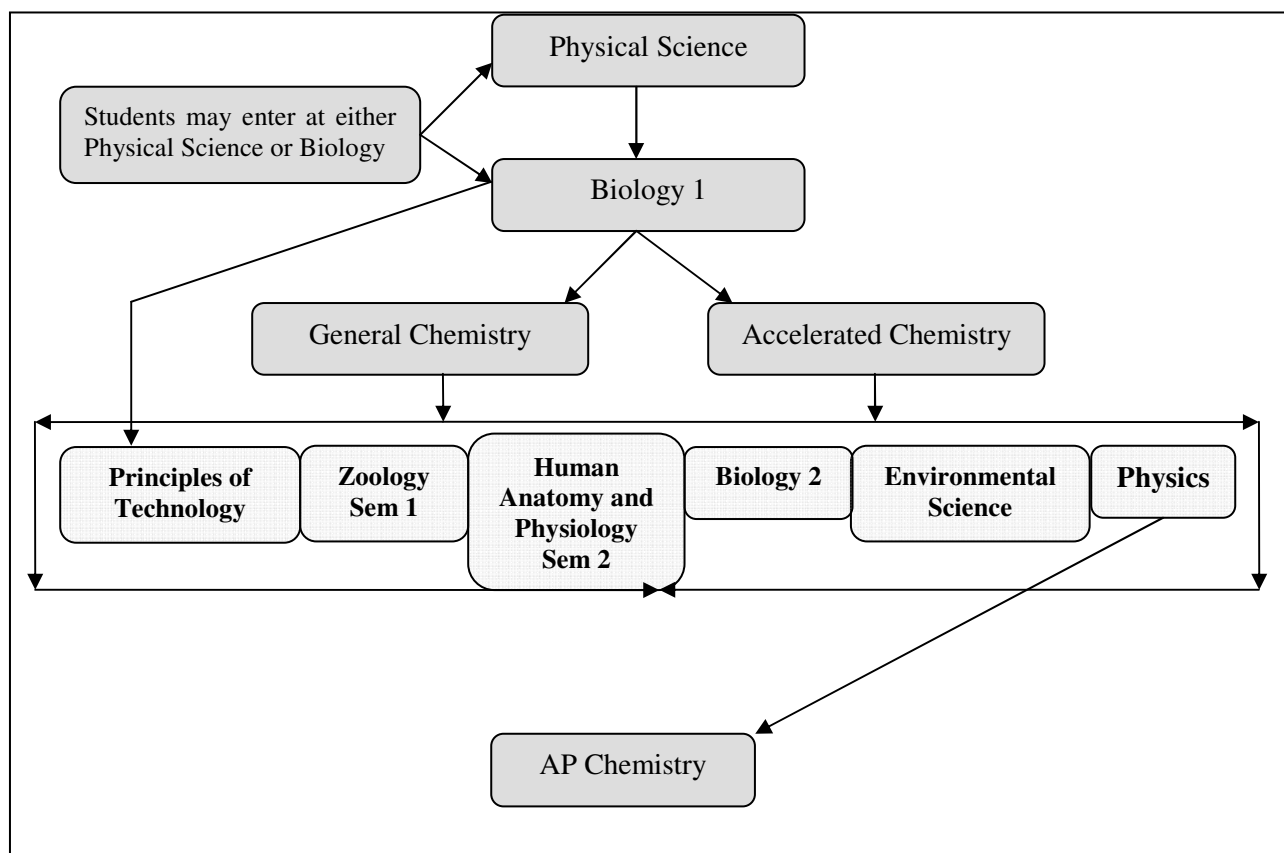
Full Licensing Phase: For drivers 18 – 21 years old

- .00 Blood Alcohol Content (B.A.C.)
- Limit of one court supervision for serious offenses.
- Conviction of two moving violations in 24-month period results in minimum 30-day suspension, with longer suspensions for subsequent violations.



SCIENCE DEPARTMENT

Suggested Science Department Course Sequence



SC101/102 ***Physical Science***

Credit: 1.0 credit, Year
 Prerequisite: None
 Lab Fee: \$10.00 per semester

This is an introductory course that is particularly applicable to students who anticipate that they probably will not be enrolling in physics later in their U-High careers. Students will explore chemistry, physics, and earth/space science concepts. Topics include atomic structure, equations, energy, motion, earth processes and space technology. The course is designed to

promote independent learning through hands-on experiences and develop an appreciation for science.

SC111/112 ***Biology 1***

Credit: 1.0 credit, Year
 Prerequisite: None
 Lab Fee: \$10.00 per semester

Selected areas of biology are included with an emphasis on lab work. This is one of the foundation courses for the science sequence. Biology 1 has a focus on life and living systems and satisfies state standards and college entry requirements.

SC201/202 ***Principles of Technology***

Credit: 1.0 credit, Year
 Prerequisite: Sophomore standing, One year of high school math
 Lab Fee: \$20.00 per semester

In this applied physics course, students will study and explore the scientific and mathematical principles which drive modern technology. Several systems will be explored, and students will interact with hydraulics, pneumatics, robotics, electronics, alternative energy, and computers. Much of the course is laboratory based, and students will study scientific theory and practical mathematics applications. May be taken for either Science or Technology credit.

SC211/212 ***Chemistry***

Credit: 1.0 credit, Year
 Prerequisite: SC111/112, not open to students who have passed SC221/222
 Lab Fee: \$10.00 per semester

This course introduces the role of chemistry in contemporary society, providing a qualitative view of fundamental chemical concepts such as laboratory skills, atomic structures, chemical nomenclature and reactions, chemical analysis, and synthesis.

SC221/222 ***Accelerated Chemistry***

Credit: 1.0 credit, Year
 Prerequisite: SC111/112 with recommendation of Biology and Math teacher
 Lab Fee: \$10.00 per semester

This course provides an accelerated quantitative discussion on the composition, structure, and interaction of matter. Through classroom work, demonstrations, projects, and extensive laboratory experiences topics such as atomic and nuclear structure, periodic relationships, chemical reactions, acids and bases, gas laws, solutions, and many others will be covered. Accelerated Chemistry should be taken by all students interested in science-related fields as a possible career. This course is required for enrollment in Advanced Placement Chemistry. Placement in this course is based upon previous science and math teacher recommendations.

SC301/302 ***Environmental Science***

Credit: 1.0 credit, Year
 Prerequisite: SC111/112 and either SC101/102 or SC211/212
 Lab Fee: \$10.00 per semester

This course will study the consequences of the neglect and abuse of our natural environment and explore ways to change our environmental behaviors. Topics include a survey of scientific methodology; basic geological principles; terrestrial and aquatic ecology; population and community ecology; urban planning; biogeography; natural resource conservation (water; air; land; minerals; energy); biodiversity; pollution; waste management; relationship between human health and environment; relationship between economics, political issues, and environment; sustainability and quality of life issues.

SC303 ***Zoology***

Credit: .5 credit, Fall Semester
 Prerequisite: Jr. or Sr. that has completed SC 111/112 And SC 211/212 or SC 221/222
 Lab Fee: \$10

This course will review and expand on evolutionary mechanisms of change as a foundation of surveying the animal kingdom. The survey will include a comparison of animal vertebrate and invertebrate anatomy, physiology, ecology, and behaviors. Dissections and field work will be required for this course.

SC304 ***Human Anatomy and Physiology***

Credit: .5 credit, Spring Semester
 Prerequisite: Jr. or Sr. that has completed SC 111/112 and SC 211/212 or SC 221/222
 Lab fee: \$10

This course is a comprehensive study of anatomy and physiology at the cellular, tissue, and organ system levels of organization. It will also be designed to both introduce and strengthen students pursuing careers in the allied health fields to the structure and function of the human body. Dissection will be an essential part of the laboratory work.

SC311/312 and SC311E/312E Biology 2

Credit: 1.0 credit, Year
 Prerequisite: SC111/112 and SC211/212
 Lab Fee: \$10.00 per semester

This course includes an in-depth look at biological principles and covers such topics as the genetics, animal behavior and comparative anatomy. During the second semester, this course focuses on the human body. The anatomy and physiology of each body system is studied at length. Hands-on activities are emphasized. Project work and animal dissection are required.

SC321/322 Physics

Credit: 1.0 credit, Year
 Prerequisite: Junior standing, MA111/112 with enrollment in MA301/302 or MA311/312, credit in SC211/212 or SC221/222 is required, or Instructor approval
 Lab Fee: \$10.00 per semester

This course is intended to introduce the student to the basic structure of the physical world. The students will cover such topics as mechanics, energy, heat, light, sound, electricity, and magnetism

SC401/402 AP Chemistry

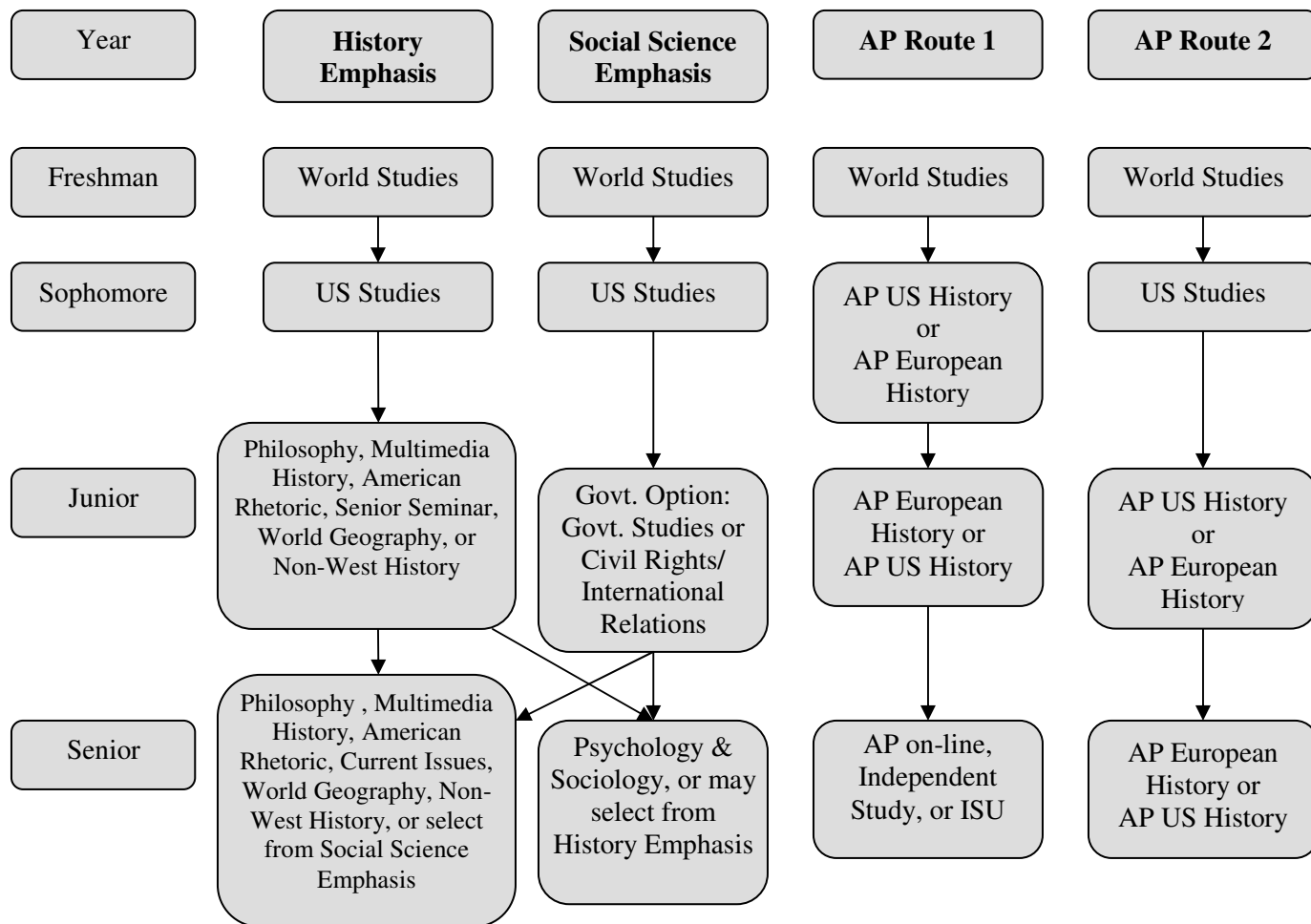
Credit: 1.5 credits, Year
 Prerequisite: B or better in SC221/222 and Instructor approval. MA401/402 or MA411/412 and credit or concurrent enrollment in SC321/322 is highly recommended.
 Lab Fee: \$10.00 per semester, AP test fee applies

This course is an advanced study of basic chemical principles. Topics include stoichiometry, atomic structure, periodicity, chemical equilibrium, physical chemistry, electrochemistry, and acid-base chemistry. This course is the equivalent of a full year freshman college survey course. College Board Advanced Placement Exam will be offered to those successfully completing the course. This course requires attendance in the separate laboratory period meeting each Wednesday night for three hours (6:00 p.m. – 9:00 p.m.).



SOCIAL SCIENCE DEPARTMENT

Suggested Social Science Department Course Sequence



SS101/102 World Studies

Credit: 1.0 credit, Year
 Prerequisite: None
 Lab Fee: None

Using a global approach to history, this course in the Freshman program is essentially a survey of political,

cultural, and economic developments and achievement of humanity from pre-historic times to the present. Exercises in basic social science skills will include the development of geography skills, research skills, and the demonstration of analytical, critical, and reflective thinking skills through oral and written presentations. These skills will be implemented while examining such major themes as religions of the world, political and economic systems, causes and results of revolutions, and 20th century world conflicts.

SS201/202 ***United States Studies***
SC201E/202E ***Early Bird Section***

Credit: 1.0 credit, Year
 Prerequisite: Sophomore standing. *Required for graduation.* The US and Illinois Constitution requirements are also fulfilled through this course.
 Lab Fee: None

The first semester of work emphasizes political growth and the origin and development of individual freedoms from the Colonial Period through the Reconstruction Period. The second semester emphasizes the history of U.S. foreign policy and foreign relations; and political, social, and economic growth of the nation from 1876 to present. Current history is an integral part of the work. There is stress on knowledge, skills, and attitudes that promote critical thinking and responsible participation in solving problems that challenge citizens of the nation and the world.

SS211 ***Civil Rights, Civil Liberties, Issues and Cases***

Credit: 0.5 credit, Fall Semester
 Prerequisite: Junior standing
 Lab Fee: None

This course concentrates on civil rights and civil liberties as defined by the Constitution and interpreted by the Supreme Court. By investigating this aspect of civil law, the student will gain an understanding about the relationship of law and the Constitution. The content is primarily made up of edited versions of landmark Supreme Court cases. Critical thinking and analytical writing skills will be enhanced. Communication skills, including listening and public speaking, will be sharpened. Topics will include: freedom of the press, freedom of religion, free speech, discrimination, and the right to privacy. In preparation for a mock civil trial, the class will hear guest speakers and take a trip to the Law Library at Milner.

SS212 ***International Relations***

Credit: 0.5 credit, Spring Semester
 Prerequisite: Junior Standing
 Lab Fee: None

This course will investigate the relations of nations as far as understanding their actions, interactions, and motives. The approach will require students to develop a theoretical framework for analysis based on contemporary and classic sources. This course will sharpen and expand skills in critical thinking, cooperative learning, and communication. Objectives will include an understanding of issues such as balance of power, world government, future world order, diplomacy, deterrence, terrorism, and imperialism.

SS301 ***Philosophy***

Credit: 0.5 credit, Fall Semester
 Prerequisite: Junior standing
 Lab Fee: None

This laptop course introduces students to a variety of philosophical principals. Included topics are basic foundations of philosophy, ethics and political institutions, human free will, knowledge and reality, natural rights and the state of nature, the pursuit of power, human nature and citizenship, existence and skepticism, and the foundations of individual freedoms. All of these concepts will be explored in both their historical concept and in how they relate to the student today. Assessments will be both authentic and alternative. All texts will be accessed via the Internet through Blackboard; there is no textbook required for purchase.

SS302 ***Multimedia History***

Credit: 0.5 credit, Spring Semester
 Prerequisite: Junior Standing
 Lab Fee: None

The emphasis of this class is using non-textual materials as the basis of the study of history. Media include film, recordings, photography and computer resources as means of gathering information of other times, events, and people. Topics of study may vary with current media availability. Not only will the media be reviewed, but also critiqued and researched to study credibility, historical accuracy, and historical perspectives (examples of topics and media might be Amistad or Elizabeth as films, song lyrics of the 60's as recording, World War 2 propaganda films for historical accuracy, or comparing remakes of the same film from different years as historical perspective). Textual materials will be used as well.

SS321 ***Government Studies: The State and Civil Responsibility***

Credit: 0.5 credit, Fall Semester
 Prerequisite: Junior Standing
 Lab Fee: None

A one-semester study of the structure and history of the U.S. Constitution and federal government. This meets the U.S. Constitution requirement for graduation. The topics and themes could include federalism, the Bill of Rights, the law-making process, the Presidency, and courts system. The role of the citizen in the political process will be emphasized. A variety of sources, including current readings from periodicals, may be used, as well as simulations and mock events.

SS322 Illinois History and Government

Credit: 0.5 credit, Spring Semester
 Prerequisite: Junior Standing
 Lab Fee: None

A one-semester study of the history of Illinois and the Illinois Constitution. This meets the Illinois Constitution requirement for graduation. Beginning with pre-U.S. history, a study of Illinois under the French, British, and Native American nations will be covered as well as Illinois' role in the U.S. Investigation into the contributions of famous and lesser-known Illinois citizens will be included as well as what contributions can be made by citizens today.

SS331 American Rhetoric: Speeches, Letters, Pamphlets, and Essays from American History

Credit: .5 credit, Fall Semester
 Prerequisite: Junior standing
 Lab Fee: None

** Not offered during the 2009-2010 school year

This course concentrates on the variety of speeches, letters, pamphlets, and essays delivered and written by Americans during the course of American history. The course will begin with the literature of the colonial/pre-Revolutionary period and move up through the Civil Rights movement of the mid-twentieth century. As mentioned above, great emphasis will be placed on analysis of the various sources read with the focus being on their impact on American history.

SS332 Senior Seminar

Credit: .5 credit, Spring semester
 Prerequisite: Senior standing
 Lab Fee: None

This course concentrates on using current media outlets to better help students understand many of the current issues facing our nation and world. Media resources such as television, film, and radio will be utilized in conjunction with a variety of different print sources, particularly newspapers and journals, to achieve the above mentioned goal. This course will meet alternating days of the week and will include outside class work online.

SS341 World Geography

Credit: .5 credit
 Prerequisite: Junior standing
 Lab Fee: None

Geographic understanding is key to an understanding of not only the past but also the present. This course will study the geographic themes of Location, Human/Environment Interaction, Region, Place, and

Movement. This course will examine the diversity of the earth's landscapes and peoples.

SS342 Non-West History: An Examination of Global Cultures

Credit: .5 credit
 Prerequisite: Junior Standing
 Lab Fee: None

This course will examine the diversity of cultures with which we share the planet. This course will provide students with a multicultural experience.

SS401 Psychology

Credit: 0.5 credit, Fall Semester
 Prerequisite: Senior standing or permission of instructor
 Lab Fee: None

This course introduces students to a variety of psychologically-oriented principles. Included topics are basic psychological theories, the principles and applications of learning and cognitive processes, memory and thought, sensation and perception, altered states of consciousness, personality theory, the life span, and classification and treatment of abnormal behavior. The class will include frequent use of mini-experiments to demonstrate basic ideas. The successful completion of one major project, either a research paper or demonstration, will be required to pass the course.

SS402 Sociology

Credit: 0.5 credit, Spring Semester
 Prerequisite: Senior standing or permission of instructor
 Lab Fee: None

This course concentrates on the role of the group in society. Topics will include culture, socialization, gender issues, conformity and obedience, collective behavior and social movements, race and ethnicity, deviance and social control, and issues of social inequality. Students will apply sociological theories and principles to their own society as well as others around the world. The successful completion of one major project, either a research paper or a demonstration, will be required to pass the course.

SS411/412 AP United States History

Credit: 1.0 credit, Year
 Prerequisite: Consent of Instructor
 Lab Fee: AP test fee applies

This course provides students with the analytical skills and factual knowledge to deal critically with the

problems, issues, and materials in American History. It is the equivalent of a full-year college freshman survey course. Admission to the course depends on the student's previous achievement and commitment to serious study. The program of study covers the colonial period throughout the 1980's. This course meets the graduation requirements of 1.0 credit in U.S. history and the Constitution tests, as well as offering the student the opportunity to earn 6-8 college credits. NOTE: May be taken in addition to U.S. Studies.

SS421/422 *AP European History*

Credit: 1.0 credit, Year
Prerequisite: SS101/102 and consent of instructor
Lab Fee: AP test fee applies

A survey of European history in which students demonstrate a knowledge of basic chronology of major events and trends from approximately 1450 to the present. Selected themes in political-diplomatic, intellectual-cultural, and socio-economic history are examined and analyzed. Students also study and interpret primary-source documents, important art works, and prominent historiographic essays. The course is the equivalent of a semester freshman college course, and students are prepared to take the AP exam to potentially earn college credit.



BLOOMINGTON AREA CAREER CENTER

BACC Courses

| | |
|---------------|--|
| Credit: | 2 credits, Year |
| Prerequisite: | Junior standing, see course descriptions for any specific prerequisites |
| Lab Fee: | None from U-High, but some courses may be assessed a lab fee by the BACC |

Courses at the Bloomington Area Career Center are available to U-High students. Each course has its own unique prerequisites. Students interested in applying to the BACC need to pre-register with the U-High form and fill out an BACC application (which are available from their counselor). Final determination for course enrollment is made by the Career Center. Enrolled students will generally be off campus for three class periods. Students should take special note of the BACC courses that have the possibility of earning college credit and/or certificates with successful completion. On the U-High form, please pre-register for the specific course that you requesting on the ACC form and the class period you would prefer.

BACC has three (3) different class periods:

- 1) 7:30-9:14 a.m.,
- 2) 9:50-11:28 a.m., and
- 3) 12:31-2:15 p.m.

Courses available are listed below. See the BACC brochure for further information.

Arts and Communication

AV100 *Digital Media/Graphics Arts I****

Students in this course will develop skills used by digital media artists, graphic designers, desktop publishers, and other members of the multimedia/communications industry. Students will be using industry standard software packages such as: Photoshop, Illustrator, Dreamweaver, Flash, Acrobat and more. Students will be introduced to drawing techniques, digital photography, page assembly, computer animation, multi-media, utilities, production and print technologies, such as; offset and screen-printing. Students will utilize the steps necessary to mass produce digital media designs.

AV200 *Digital Media/Graphics Arts II****

Prerequisite: AV100

Students in this class will receive intensive study in advanced digital media design, computer animation, and multimedia. Students will have the opportunity to establish a leadership role within the print shop, and partner with outside resources to create projects for distribution. This class is recommended for students who are considering a career in the digital media field as well as preparing for post-secondary education.

Business and Administrative Services

AV112 *Marketing and Management 1*

Experience how to run and manage a small business through school based ventures including; a vending machine enterprise. Students will simulate e-commerce, develop customer service skills, increase verbal and nonverbal communication, create store operation protocol, manage, and acquire entrepreneurship abilities. Observe real business applications first-hand through field trips to the RAMS training facility and Union Station. Learn how to work as a team through teamwork training at Camp Timber Pointe. Develop leadership experience while creating a business plan, marketing proposal, sales presentations, and brochures. This course is recommended for students who want to major in the area of Business, Marketing, or Management.

AV212 *Marketing and Management 2*

Prerequisite: AV112

Expand your management and sales skills in this challenging second year course. You will be working with school organizations, businesses and non-profit organizations to develop authentic promotional plans for execution.

Health Care

AV120 *Health Occupations I****

Opportunities are unlimited for trained professionals in the health care field. Upon successful completion of this course, students are *eligible to take the test for State Certification for Certified Nurse's Assistant*

(CNA). Classroom instruction will include fundamental health-care principles, basic patient care; such as Vital Signs (Blood pressure, pulse respirations and temp.), height/weight, transferring residents, dressing and feeding residents, bathing, and basic aseptic procedures. Students will participate in clinical two days weekly from October to April at Westminster Village. Attendance is essential due to the number of State Mandated hours.

AV220 Health Occupations 2

Prerequisite: Successful completion of Health Occupation I with a B average or above, and successful attainment of CNA Certification.

Students who have successfully attained the CNA certification, have a B average and who are in the Top 10 of the class may have the opportunity to enroll in Health Occupations II. Students will benefit from speakers within the industry, enhance their technical skill development through internships, and develop workplace skills required in the health care profession.

Human and Family Services

AV130 Early Childhood Care & Education 1

Students in this class will examine the responsibilities and characteristics of effective childhood professionals. Students prepare the learning environment, plan and present lessons based on the Illinois Early Learning Standards, and observe children attending the BACC Preschool. Students will have the opportunity to obtain the Level 1 credential offered by the Illinois Early Care Professional Development Network. This credential is earned through 45 hours of class instruction and observation. The Level 1 credential is an essential part of the Illinois Department of Human Services Quality Counts Program and will enable the student to have more employment opportunities.

AV230 Early Childhood Care & Education 2***

Prerequisite: AV130

This course will allow highly motivated students to develop leadership skills and responsibilities at the Early Childhood Care level. Students under the supervision of a certified staff member will create and present lessons, visual displays based on the Illinois Early Learning Standards. Students will focus more on the lead teacher/director level responsibilities of an Early Childhood Care facility..

AV131 Cosmetology 1 & 2

Students attend Hair Masters which is the only accredited cosmetology school in McLean county and

is a Pivot Point Member School. While attending, students demonstrate competencies in two of the five classroom modules needed for the required Illinois State Board Exam. Students will focus on one module in the first year and another module in the second year. Students will also attend the Midwest Beauty Show in Chicago, IL where they are able to network with over 50,000 hair, skin, and nail professionals.

Module One will consist of styling hair in the wet and dry state. Students train on manikins while developing an understanding of the shape of the head. Students will observe different ways of styling long and short hair. These methods may include, braiding, curling, straightening, up and down styles, and many more. Students then practice these methods until they have mastered these techniques.

Module Two will consist of understanding the texture of the hair. This will include adding and removing texture to hair, as well as multicultural texture reformation. Students will observe different ways of perming using different chemicals and rod styles, and relaxing hair using different chemical relaxers. Students then practice these methods until they have mastered these techniques. All hours accumulated during the student's time at BACC Hair Masters Cosmetology are credited towards the completion of the 1,500 hour course and licensure.

Second year students may also attend extra hours on Saturday and night school to complete their certification early. BACC will pay for one night school class and may pay for some Saturday hours.

AV132 Culinary Arts 1

This course is designed to provide students interested in a career in culinary arts and the food service industry with classroom instruction and lab experiences to develop job-related competencies. Students start with basic sanitation, workplace safety and continue with instruction on food handling, preparation, quantity production, quality control, planning, operation, and presentation. Commercial quality food service equipment will be used to prepare food and provide hands-on instruction for each area of food study.

AV232 Culinary Arts 2

Prerequisite: AV131

This course provides students with leadership opportunities and responsibility for food service management. Students in this class have the opportunity to cater many different events. Students have the opportunity to plan menus, select food, supervise food preparation, develop pricing strategies, order food, and maintain safety and sanitation, while mastering operation of all food preparation equipment.

AV133 Criminal Justice and Law Enforcement 1***

This program is designed to introduce students to various aspects of law enforcement and the legal system. Students will be introduced to the history of law enforcement, constitutional law, Illinois law, and the courts and legal system. Students will discover communication and dispatch operations, create reports, analyze records and criminal investigations, establish proper search and seizure procedures, and encourage community relationships. Students will participate in job shadowing experiences and develop law enforcement skills and ethics to enhance employability. All criminal justice students must take the proficiency exam to qualify for Heartland Community College credit.

AV233 Criminal Justice and Law Enforcement 2

Prerequisite: AV132

Students will have the opportunity to experience a variety of experiences through extended campus settings. Students will be introduced to police administration, a variety of management styles, interviewing techniques, preliminary investigations, police security services, pursuits, arrests and expand their knowledge of computer systems. Students will examine different avenues of criminal justice such as social work and probation, court reporting, and paralegal services. Finally, students will participate in job shadowing experiences and develop law enforcement skills and ethics to enhance employability. All criminal justice students must take the proficiency exam to qualify for Heartland Community College credit.

Industrial and Engineering Technology**AV140 Automotive Technology 1**

This course is designed to prepare students for an entry level job or advanced training in the automotive service and technology field. Students will develop skills in the design, operations, and diagnostic procedures of the gasoline engine. In addition, all aspects of the vehicle will be covered, including rear braking systems, ABS, engine theory, fuel injection, modern computer controls and emissions. Students will perform automotive service work with an emphasis on shop operating safety procedures.

AV240 Automotive Technology 2

Prerequisite: AV140

Students will enhance the skills learned in Automotive Technology I as well as develop new skills. Students will learn to use advanced tools and equipment through

hand-on experience with the latest technology in the automotive industry. Specific topics that will be covered in depth include engine breakdown, and manual and automatic transmissions. The students will perform automotive service work with an emphasis on shop operating safety procedures.

AV141 A+ Computer Repair/Digital Electronics***

Semester 1

Digital Electronics focuses on advanced digital electronic theory, applications and is aligned with standards of *Project Lead the Way*. Students will study solid state devices leading to an investigation of digital logic concepts and computer circuit fundamentals including binary and hexadecimal number theory. The students will explore TTL and CMOS logic gates, encoders/decoders, latches, flip-flops, counters, registers, memories, and arithmetic logic units while using them in laboratory breadboard circuits and electronic simulation. In addition, students will build a digital electronic kit and program Boe-Bot robots. This course is recommended for serious, college-bound students with average or above math skills and an interest in science and engineering.

Semester 2

The Computer Repair/A+ Certification course is designed to equip both novice and experienced students with entry-level computer technician proficiencies. The course is aligned with the industry standard CompTIA A+ Certification objectives for hardware and software which are covered over one semester. Students will become adept with key computer hardware architecture components like the motherboard, processor, memory, drives, networks, power supplies, and peripheral drives. Additionally, students will install, configure, and troubleshoot the significant operating systems utilized today. Significant lab time is provided to offer the student authentic hand-on experiences in working with computers. The course is recommended for students who enjoy computers and/or students who might have a career interest in Information Technology leading to a professional certification.

AV241 Cisco Networking***

Prerequisite: AV111 or AV141

Students enrolled in the class will follow the CISCO Certified Network Associate (CCNA) certification. Students will become adept with key computer networking hardware topics like topologies, cabling, NIC's, hubs, switches, and routers. Additionally, students will orient themselves to networking software topics like the OSI model, protocols, TCP/IP, network operating systems, network security, and

troubleshooting. The course follows an industry-recognized curriculum and is recommended for students who enjoy computers and /or students who might have a career interest in Information Technology leading to a professional certification.

AV142 Construction Trades 1***

This course provides an opportunity for students who are planning on entering a post secondary educational program in construction or enter into the workforce at entry level. The class focus is on student construction of a residential home, with emphasis on foundations, framing, exterior and interior finish and roofing. Students will develop workplace skills in basic math, hand and power tools, basic blueprint reading, safe work habits, proper job attitudes, technical jargon and learn about the wide variety and opportunities in the field of construction.

AV242 Construction Trades 2***

Prerequisite: AV142

This course provides an opportunity for students who are planning on entering a post secondary educational program in construction or enter into the workforce at entry level. Students will enhance workplace skills in blueprint reading, mechanical systems, electrical wiring and construction estimating and scheduling, while developing leadership roles.

AV143 Computerized Architectural Design***

This course is designed for students wishing to develop architectural drafting plans and detailed drawings. Two-dimensional and three dimensional computer aided drafting skills are taught using two Autodesk software package: Revit and Architectural Desktop. Students will learn about building ordinances and materials which help those interested in other trades within the Architectural, Engineering, and Construction (AEC) industry.

AV243 Civil Engineering & Architecture***

Prerequisites: AV143

This *Project Lead the Way* course is designed for students wishing to further develop skills in 3D Computer Architectural Design (CAD) and drafting; as those skills apply to Architecture, Engineering, and Construction (AEC). *Project Lead the Way* is a nationally recognized high school Pre-Engineering curriculum. The 3D environment and the rendering of architectural and mechanical drawings are emphasized. Students will have the opportunity to work with community projects. The Illinois Workplace Skills will

continue to be emphasized as part of the instruction to enable students to successfully prepare for post secondary education or employment opportunities.

AV144 Metalworking Occupations *1**

This course is designed for students with an interest in the field of manufacturing which includes machining, sheet metal, computerized machines, and welding. Classroom instruction will include workplace safety, blue print reading, applied math, training of hand and power tools, and instruction on proper procedures of laboratory equipment. Specialized laboratory learning experiences include, planning, manufacturing, assembling, and metal fabricating process. Students may work towards the American Welding Society (AWS) certification in Shielded Metal Arc Welding (SMAW). Students will develop skills necessary for to continue with post-secondary education, or get an entry level position in the manufacturing occupations.

AV244 Metalworking Occupations 2***

Prerequisite: AV144

Students enrolled in this course will enhance their opportunities for obtaining employment in manufacturing. Students will specialize in an area of interest while mastering blue print reading, applied math, training of hand and power tools, and instruction on proper procedures of laboratory equipment. Student will also increase the amount of lab experience on Computer Numerical Control (CNC) on a lathe and vertical mill. Students experience 95% hand-on activities during the second year and may work towards the American Welding Society (AWS) certification in the Shielded Metal Arc Welding (SMAW).

Cooperative Education

AV150 Employment Prep/Internship 1

This course provides students with skills to obtain an entry-level job, as well as to keep and grow on that job. Paid on-the-job experiences are obtained by working in area businesses. These experiences are combined with classroom theory that gives students fundamental knowledge relating to work and work issues. This course is open to all students of junior or senior status who are 16 years of age, who have an acceptable attendance record and have demonstrated a willingness and desire to be successful on the job.

AV250 Employment Prep/Internship 2***

Prerequisites: AV150

Students in this sequence will enhance skills and continue building upon those learned in Employment Prep/Internship. More advanced on-the-job experiences

are obtained by working in area businesses. These experiences are combined with classroom theory, giving the student working knowledge of employment from a managerial point of view. Students will earn income while working in a career of their choice and will connect more directly with that profession. Continued professional growth through Skills USA projects is encouraged.

***Many BACC classes are articulated with Heartland College and students may receive college credit at Heartland College upon completion of the class with a specified grade and enrollment at Heartland College. . Some classes qualify as a dual credit class. Please check with the counselors for these available options. .



NON-TRADITIONAL COURSEWORK

University High School students have a wide range of “non-traditional” coursework available to them. These are courses that don’t typically fit in the traditional school day, provide voluntary service opportunities, or are offered off-campus, yet still present a student the opportunity to individualize their academic program to meet specific college and/or career goals.

All of these non-traditional course offerings require additional forms and/or steps to follow in order to participate and are available to sophomores and above. Below are listed the various requirements for participation in the various non-traditional opportunities. All of these require a pre-registration request AND additional forms. Be sure to follow the required procedures carefully.

Heartland Community College

HC301/302 *Heartland Class Request*

| | |
|---------------|---|
| Credit: | Varies based on the number of semester hours earned: 0.5 credit for 3 semester hour courses, 1.0 credit for 4 semester hour courses |
| Prerequisite: | Junior standing preferred |
| Lab Fee: | Tuition paid to Heartland |

Registration Procedure:

1. Work with your U-High counselor and obtain their approval.
2. Complete a Heartland Community College application if this is your first HCC class.
3. Submit the application, along with your transcript to HCC and take the Basic Skills Assessment Test if required.
4. Meet with a HCC advisor, provide the permission letter, and register for your class.
5. Once registered with HCC, fill out the form for U-High and return to your counselor.

Note: If for any reason the student drops this course, notify the Counseling Center immediately and follow the deadlines and procedure at HCC for dropping a class. Students are reminded that they must continue to maintain the six course period requirement.

Illinois State University High School Credit

IS301/302 *ISU HS Class Request*

| | |
|---------------|---|
| Credit: | Varies based on the number of semester hours earned: 0.5 credit for 3 semester hour courses, 1.0 credit for 4 semester hour courses |
| Prerequisite: | Junior standing preferred |
| Lab Fee: | None, tuition free |

Registration Procedure:

1. Work with your U-High counselor and obtain their approval.
2. Have a U-High faculty member in the same area as the course to be taken on campus complete the recommendation form.
3. Complete the back of the form detailing the class and when it is offered. This must be completed by the Illinois State University instructor or department head on-campus.
4. Obtain the ISU instructor approval to attend their class. Please note that you will not appear on the official ISU course roster because you are only receiving high school credit.
5. Return completed form to your counselor.

Illinois State University Dual Enrollment

IS401/402 *ISU Dual Enrollment Request*

| | |
|---------------|---|
| Credit: | Varies based on the number of semester hours earned: 0.5 credit for 3 semester hour courses, 1.0 credit for 4 semester hour courses |
| Prerequisite: | Senior standing preferred |
| Lab Fee: | Tuition paid to Illinois State University |

Registration Procedure:

1. Work with your U-High counselor and obtain their approval.
2. Fill out an Illinois State University “Dual Enrollment” application prior to the deadline and meet admission requirements. Although this process should take place during the course selection process, keep in mind that the application deadline for fall courses is February 1 and for spring is September 1.

- Return the application to the Counseling Center for processing.
- Students wishing to take a Mathematics course at ISU must take the Math placement exam (unless they have a 27 Math sub score on their ACT test) at least two weeks prior to their registration date.
- Registration will be handled by a designated University College Academic Advisor. A specific registration date and time will be established each semester for dual enrollment students. University College Advisors will come to U-High to register the students at that time. **Students are not to contact the university to register.**

Note: The philosophy of the Dual Enrollment Program is to offer an opportunity to enhance a student's interest in a particular field of study that is not offered at the high school.

Also note: Registration for this program will generally be limited to 30 U-High students each semester as space permits. If more than 10 students request the same ISU course, administration will determine if this specific need can be met by U-High.

Special note: Following these procedures does **not** guarantee a seat in any given course at ISU.

Illinois Virtual High School

IV201/202 *IVHS Class Request*

| | |
|---------------|----------------------------------|
| Credit: | 0.5 credit per semester |
| Prerequisite: | Sophomore standing |
| Lab Fee: | \$125.00 per course/per semester |

Registration Procedure:

- Work with your U-High counselor and obtain their approval.
- Select course you are requesting. Courses that are offered at University High School are only permitted with valid reasoning and Department Chair permission.
- Register on-line at www.ivhs.org by following the enrollment process.
- Print the page at the end of the enrollment process and attach to the IVHS request form.
- Attach a check for \$125.00 payable to University High School.
- Final approval and official enrollment in the course will only occur after **all** the above procedures have been followed.

Independent Study

IN301/302 *Independent Study Request*

| | |
|---------------|---|
| Credit: | 0 to 0.5 credit per semester |
| Prerequisite: | Junior standing |
| Lab Fee: | Varies depending on requirements of study |

Registration Procedure:

- Select a topic to study or project to perform
- Find a teacher who will teach/lead/facilitate your study
- Complete the Independent Study form with your sponsor.
- Students must commit to a minimum of 5 hours per week for credit.
- Return completed form to the Counseling Center within the first 3 days of the semester.

Inner-City Courses

IC101/102 *Inner-City Class Request*

| | |
|---------------|---|
| Credit: | 0.5 credit per semester |
| Prerequisite: | Approval of U-High and Receiving School |
| Lab Fee: | Varies, based on fees of receiving school and payable to the receiving school |

Registration Procedure:

- Inner-city courses may only be taken if the course requested is not offered at University High School.
- Complete form the inner-city request form
- Register with the High School that offers the course by following their procedures.

Office Assistant

TA201/202 *Office Assistant Request*

| | |
|---------------|--------------------|
| Credit: | None |
| Prerequisite: | Sophomore standing |
| Lab Fee: | None |

Registration Procedure:

- A student may elect to spend one of their six required classes working in a school office (main office or counseling center office).
- This is a mutual agreement on contract between a teacher/supervisor and the student. The student agrees to be on time daily to perform tasks given by their supervisor.
- No credit will be given.
- Complete the required form and return it to the Counseling Center within the first three days of the semester.

Teacher Assistant

TA211/212 Teacher Assistant Request

| | |
|---------------|--------------------|
| Credit: | None |
| Prerequisite: | Sophomore standing |
| Lab Fee: | None |

Registration Procedure:

1. A student may elect to spend one of their six required classes assisting a teacher
2. This is a mutual agreement on contract between a teacher/supervisor and the student. The student agrees to be on time daily to perform tasks given by their supervisor.
3. No credit will be given.
4. Complete the required form and return it to the Counseling Center within the first three days of the semester.

University of Missouri Correspondence School

UM201/202 UM Class Request

| | |
|---------------|--|
| Credit: | 0.5 credit per semester course |
| Prerequisite: | Sophomore standing |
| Lab Fee: | Tuition paid to University of Missouri |

Registration Procedure:

1. Work with your U-High counselor and obtain their approval.
2. Select course you are requesting. Courses that are offered at University High School are only permitted with valid reasoning and Department Chair permission.
3. Register on-line at www.cdis.missouri.edu by following their enrollment process. A credit card will be required at time of registration.
4. Print the page at the end of the enrollment process and attach to the request form.
5. Final approval and official enrollment in the course will only occur after the above procedures have been followed.

Note: Students are required to maintain a six-class course load each semester. A UM class may be used as one of those classes for one semester only.



2009-2010 UNIVERSITY HIGH SCHOOL COURSE OFFERING LIST

Key: x = Grade level courses may be taken
 * = This course is specifically required for graduation
 ** = Courses that may be repeated

| <u>Code</u> | <u>Course Name</u> | <u>Credit</u> | <u>09</u> | <u>10</u> | <u>11</u> | <u>12</u> |
|-------------------------------|--|---------------|-----------|-----------|-----------|-----------|
| Art | | | | | | |
| AR101/102 | Art Fundamentals | 1 | x | x | x | |
| AR212 | Ceramics | ½ | | x | x | x |
| AR213 | Art Media | ½ | | x | x | x |
| AR301/302 | Art History Survey | 1 | | | x | x |
| AR401/402 | AP Art, General Portfolio | 1 | | | x | x |
| Business | | | | | | |
| BU105 | Word Processing | ½ | x | x | x | x |
| BU115 | Computer Concepts and Applications | ½ | x | x | x | x |
| BU205 | Consumer Economics* | ½ | | x | x | x |
| BU301/302 | Accounting | 1 | | | x | x |
| English | | | | | | |
| EN101/102 | Freshman English* | 1 | x | | | |
| EN205 | Oral Communication* | ½ | | x | | |
| EN215 | Sophomore Writing* | ½ | | x | | |
| EN221/222 | Journalism** | 1 | | x | x | x |
| EN231 | Creative Writing and Desktop Publishing | ½ | | x | x | x |
| EN242 | Contemporary Literature | ½ | | x | x | x |
| EN261 | Masterpieces in Literature | ½ | | x | x | x |
| EN262 | Introduction to Mass Media | ½ | | x | x | x |
| EN271 | Introduction to Film | ½ | | x | x | x |
| EN272 | Story Telling in a Digital Age | ½ | | x | x | x |
| EN301/302 | American Literature and Composition | 1 | | | x | x |
| EN311/312 | British Literature and Composition | 1 | | | x | x |
| EN321/322 | World Literature and Composition | 1 | | | x | x |
| EN401/402 | AP English Literature and Composition | 1 | | | x | |
| EN501/502 | AP English Language and Composition | 1 | | | | x |
| Engineering Technology | | | | | | |
| ET101/102 | Introduction to Engineering Technology | 1 | x | x | x | x |
| ET101/102E | Introduction to Engineering Technology – Early Bird Section .. | 1 | x | x | x | x |
| ET111/112 | Computer Aided Drafting | 1 | x | x | x | x |
| SC201/202 | Principles of Technology | 1 | | x | x | x |
| ET211/212 | Architectural Design | 1 | | x | x | x |
| ET221/222 | 3D Graphics and Animation | 1 | | x | x | x |
| ET230 | Electronics/Computer Design | ½ | | x | x | x |
| ET235 | Technology: Past, Present, and Future | ½ | | x | x | x |
| ET240 | Adv Machining and Fabrication | ½ | | x | x | x |
| ET245 | Residential Maintenance | ½ | | x | x | x |
| ET250 | Problems-R-Us | ½ | | x | x | x |
| ET255 | Engine Mechanics | ½ | | x | x | x |
| ET260 | Biotechnology | ½ | | x | x | x |
| ET270 | Product Design | ½ | | x | x | x |

| <u>Code</u> | <u>Course Name</u> | <u>Credit</u> | <u>09</u> | <u>10</u> | <u>11</u> | <u>12</u> |
|---|---|---------------|-----------|-----------|-----------|-----------|
| ET275 | Landscape and Interior Design | ½ | | x | x | x |
| ET280 | Computer Programming | ½ | | x | x | x |
| Foreign Language | | | | | | |
| FL101/102 | French 1 | 1 | x | x | x | x |
| FL201/202 | French 2 | 1 | x | x | x | x |
| FL301/302 | French 3 | 1 | | x | x | x |
| FL401/402 | French 4 | 1 | | | x | x |
| FL501/502 | French 5 | 1 | | | | x |
| FL111/112 | Spanish 1 | 1 | x | x | x | x |
| FL111/112E | Spanish 1 – Early Bird Section | 1 | x | x | x | x |
| FL211/212 | Spanish 2 | 1 | x | x | x | x |
| FL311/312 | Spanish 3 | 1 | | x | x | x |
| FL411/412 | Spanish 4 | 1 | | | x | x |
| FL511/512 | Spanish 5 | 1 | | | | x |
| Mathematics | | | | | | |
| MA101/102 | Geometry | 1 | x | | | |
| MA111/112 | Accelerated Geometry | 1 | x | | | |
| MA111/112E | Accelerated Geometry – Early Bird Section | 1 | x | | | |
| MA221/222 | Algebra 1 | 1 | | x | x | |
| MA301/302 | Algebra 2 | 1 | | | x | x |
| MA311/312 | Algebra 2/Trigonometry | 1 | | x | x | x |
| MA401/402 | College Algebra | 1 | | | x | x |
| MA411/412 | Pre-Calculus | 1 | | | x | x |
| MA501/502 | Advanced Math Topic/AP Stats | 1 | | | | x |
| MA511/512 | AP Calculus | 1 | | | | x |
| Music | | | | | | |
| MU101/102 | Chorus 1** | 1 | x | x | x | x |
| MU111/112 | Treble Choir** | 1 | x | x | x | x |
| PE111E/112E | Dance and Orchestration** – Early Bird Section | 1 | x | x | x | x |
| MU121/122 | Orchestra** | 1 | x | x | x | x |
| MU131/132 | Band** | 1 | x | x | x | x |
| MU141 | Auxiliary Corps** | ½ | x | x | x | x |
| MU201/202 | Concert Choir** | 1 | | x | x | x |
| Physical, Health, and Driver Education | | | | | | |
| PE101/102 | Freshman Wellness* | 1 | x | | | |
| PE111E/112E | Dance and Orchestration** – Early Bird Section | 1 | x | x | x | x |
| PE201/202 | Physical Education Activities | 1 | | x | x | x |
| PE201/202E | Physical Education Activities – Early Bird Section | 1 | | x | x | x |
| PE211/212 | Personal Fitness | 1 | | x | x | x |
| PE213/214 | Advanced Strength and Conditioning – Early Bird Section | 1 | | x | x | x |
| PE221/222 | Driver Education | ¼ | | x | x | |
| Science | | | | | | |
| SC101/102 | Physical Science | 1 | x | x | | |
| SC111/112 | Biology 1 | 1 | x | x | | |
| SC201/202 | Principles of Technology | 1 | | x | x | x |
| SC211/212 | Chemistry | 1 | | x | x | x |
| SC221/222 | Accelerated Chemistry | 1 | | x | x | x |
| SC301/302 | Environmental Science | 1 | | | x | x |
| SC303 | Zoology | ½ | | | x | x |
| SC304 | Human Anatomy and Physiology | ½ | | | x | x |
| SC311/312 | Biology 2 | 1 | | | x | x |
| SC311E/312E | Biology 2 Early Bird | 1 | | | x | x |
| SC321/322 | Physics | 1 | | | x | x |
| SC401/402 | AP Chemistry | 1½ | | | | x |

Social Science

| <u>Code</u> | <u>Course Name</u> | <u>Credit</u> | <u>09</u> | <u>10</u> | <u>11</u> | <u>12</u> |
|-------------|---|---------------|-----------|-----------|-----------|-----------|
| SS101/102 | World Studies | 1 | x | | | |
| SS201/202 | United States Studies* | 1 | | x | | |
| SS201/202E | United States Studies – Early Bird Section* | 1 | | x | | |
| SS211 | Civil Rights, Civil Liberties, Issues and Cases | ½ | | | x | x |
| SS212 | International Relations..... | ½ | | | x | x |
| SS301 | Philosophy | ½ | | | x | x |
| SS302 | Multimedia History | ½ | | | x | x |
| SS321 | Government Studies: The State and Civil Responsibility..... | ½ | | | x | x |
| SS322 | Illinois History and Government | ½ | | | x | x |
| SS331 | American Rhetoric..... | ½ | | | x | x |
| SS332 | Senior Seminar | ½ | | | | x |
| SS341 | World Geography | ½ | | | x | x |
| SS342 | Non-West History: An Examination of Global Cultures..... | ½ | | | x | x |
| SS401 | Psychology | ½ | | | | x |
| SS402 | Sociology..... | ½ | | | | x |
| SS411/412 | AP United States History..... | 1 | | | x | x |
| SS421/422 | AP European History..... | 1 | | | x | x |

Bloomington Area Career Center

| | | | | | | |
|-------|--|---|--|--|---|---|
| AV100 | Digital Media/Graphic Arts 1 | 2 | | | x | x |
| AV200 | Digital Media/Graphic Arts 2 | 2 | | | | x |
| AV112 | Marketing and Management 1 | 2 | | | x | x |
| AV212 | Marketing and Management 2 | 2 | | | | x |
| AV120 | Health Occupations 1 | 2 | | | x | x |
| AV220 | Health Occupations 2 | 2 | | | | x |
| AV130 | Early Childhood Care and Education 1 | 2 | | | x | x |
| AV230 | Early Childhood Care and Education 2 | 2 | | | | x |
| AV131 | Cosmetology 1..... | 2 | | | x | x |
| AV231 | Cosmetology 2..... | 2 | | | | x |
| AV132 | Culinary Arts 1 | 2 | | | x | x |
| AV232 | Culinary Arts 2 | 2 | | | | x |
| AV133 | Criminal Justice and Law Enforcement 1..... | 2 | | | x | x |
| AV233 | Criminal Justice and Law Enforcement 2..... | 2 | | | | x |
| AV140 | Automotive Technology 1 | 2 | | | x | x |
| AV240 | Automotive Technology 2..... | 2 | | | | x |
| AV141 | A+ Computer Repair/Digital Electronics | 2 | | | x | x |
| AV241 | CISCO Networking | 2 | | | | x |
| AV142 | Construction Trades 1..... | 2 | | | x | x |
| AV242 | Construction Trades 2..... | 2 | | | | x |
| AV143 | Computerized Architectural Design | 2 | | | x | x |
| AV243 | Civil Engineering & Architecture..... | 2 | | | | x |
| AV144 | Metalworking Occupations 1..... | 2 | | | x | x |
| AV244 | Metalworking Occupations 2..... | 2 | | | | x |
| AV150 | Employment Prep/Internship 1 | 2 | | | x | x |
| AV250 | Employment Prep/Internship 2..... | 2 | | | | x |

Non-Traditional Coursework

| | | | | | |
|-----------|--|-------|---|---|-----|
| HC301/302 | Heartland Class Request..... | 1/2-1 | | x | x |
| IS301/302 | ISU High School Credit Class Request | 1/2-1 | | x | x |
| IS401/402 | ISU Dual Enrollment Request | 1/2-1 | | | x |
| IV201/202 | IVHS Class Request | 1/2 | | x | x x |
| IN301/302 | Independent Study Request | 0-1 | | | x x |
| IC101/102 | Inner-City Class Request | 1/2 | x | x | x x |
| TA201/202 | Office Assistant Request | 0 | | x | x x |
| TA211/212 | Teacher Assistant Request..... | 0 | | x | x x |
| UM201/202 | UM Class Request | 1/2 | | x | x x |

Student Name: _____

STUDENT FOUR-YEAR PLAN

University High School

| Grade 9 | | Grade 10 | | Grade 11 | | Grade 12 | |
|-------------------------|------------------------|--------------------------|--------------------------|-------------------------|---------------------|---------------------|---------------------|
| Semester 1 | Semester 2 | Semester 1 | Semester 2 | Semester 1 | Semester 2 | Semester 1 | Semester 2 |
| 1. _____ English | 1. _____ English | 1. _____ English | 1. _____ English | 1. _____ English | 1. _____ English | 1. _____ English | 1. _____ English |
| 2. _____ Math | 2. _____ Math | 2. _____ Math | 2. _____ Math | 2. _____ Math | 2. _____ Math | 2. _____ PE | 2. _____ PE |
| 3. _____ Science | 3. _____ Science | 3. _____ Science | 3. _____ Science | 3. _____ PE | 3. _____ PE | 3. _____ | 3. _____ |
| 4. _____ Social Sci | 4. _____ Social Sci | 4. _____ Social Sci | 4. _____ Social Sci | 4. _____ | 4. _____ | 4. _____ | 4. _____ |
| 5. _____ Wellness | 5. _____ Wellness | 5. _____ PE/Driver Ed | 5. _____ PE/Driver Ed | 5. _____ | 5. _____ | 5. _____ | 5. _____ |
| 6. _____ | 6. _____ | 6. _____ | 6. _____ | 6. _____ | 6. _____ | 6. _____ | 6. _____ |
| 7. _____ | 7. _____ | 7. _____ | 7. _____ | 7. _____ | 7. _____ | 7. _____ | 7. _____ |
| 8. _____ | 8. _____ | 8. _____ | 8. _____ | 8. _____ | 8. _____ | 8. _____ | 8. _____ |
| Summer School: _____ | | Summer School: _____ | | Summer School: _____ | | | |

| COURSE REQUIREMENTS |
|--|
| _____ English (4) |
| _____ Mathematics (3) |
| _____ Science (2) |
| _____ Social Science (2) |
| _____ Foreign Lang. or Fine Arts (2) |
| _____ Additional Courses (2) <i>Math, Science, Social Science, Foreign Lang, Fine Arts, and/or Technology</i> |
| _____ Wellness/Phys Ed (4) |
| _____ Cons Ed/Voc Ed (½) |
| _____ Electives (4½) |
| _____ US/IL Constitution Tests |

| TOTAL CREDITS (24) |
|---------------------|
| Grade 09: (6) _____ |
| Grade 10: (6) _____ |
| Grade 11: (6) _____ |
| Grade 12: (6) _____ |
| Total: (24) _____ |

| CAREER PLANS |
|-----------------|
| Grade 09: _____ |
| Grade 10: _____ |
| Grade 11: _____ |
| Grade 12: _____ |