

THE PHILOSOPHY OF GLENBARD DISTRICT #87	5
COMPREHENSIVE PROGRAM OF STUDIES AND SERVICES	5
Graduation Requirements	5
Credit for Alternative Courses and Programs and Course Substitutions.....	6
Provision for Individual Differences.....	6-7
STUDENT SERVICES	7
School Counseling Services	7
Learning Resource Center.....	8
Audio Visual Media	8
Health Services.....	8
ACADEMIC PLANNING	8
Orientation and Enrollment of Students	8
Academic Classification of Students	9
Planning a Four-Year Program	9
NON-DISCRIMINATION – TILE IX	11
NEW COURSES.....	12-13
COURSE DESCRIPTIONS AND PREREQUISITES	
Art	14-17
Business.....	18-22
Driver Education	23
English	23-30
ELL	31-34
Family and Consumer Science	35-40
Mathematics	41-45
Music.....	47-49
Physical Education and Health.....	50-53
Science	54-58
Social Studies	59-65
Special Education	66-69
Speech Arts	70-72
Technology and Engineering.....	73-76
World Languages.....	77-81
TECHNOLOGY CENTER OF DUPAGE	82-83
Approximate Fees for TECHNOLOFY CENTER OF DUPAGE PROGRAM	83
Illinois State Universities High School Preparation Requirements	84
Student Conduct	85

GLENBARD NORTH HIGH SCHOOL

990 Kuhn Road
Carol Stream, Illinois 60188
(630) 653-7000
Fax (630) 653-7259



Dr. John T. Mensik
Principal

Dear Glenbard North Students:

The purpose of the Enrollment Handbook is to provide you and your parents with information concerning the comprehensive educational programs that are available at Glenbard North. This guide contains specific course descriptions, high school graduation requirements and specialized programs. There are also descriptions of academic policies, academic honors, and college admission requirements. Please read all of the information found in this manual carefully before registering for classes.

You are about to undertake a very important task in your high school education - choosing your courses for the upcoming school year. Selecting the right courses not only prepares you for life after high school, but also creates opportunities for you to challenge your academic abilities. As you read through this guide, consider your interests, talents, activities and career goals. I encourage both students and parents to speak with our guidance staff, if you have any questions.

John Mensik

Glenbard North High School

ADMINISTRATIVE STAFF

John T. Mensik - Principal
John Healy - Assistant Principal for Instruction
Eric Johansen - Assistant Principal for Operations
Debra Cartwright - Assistant Principal for Student Services
Matthew Bowser - Assistant Principal for Athletics
Ryan Hall - Dean of Students
Erika Willis - Dean of Students
Limaris Pueyo - Dean of Students
Susanna Melon- Dean of Students

DEPARTMENT CHAIRMEN

Art Nathan King
Business,
Family & Consumer Science.....Adam Butcher
Driver Education Gary Heilers
English..... Laura Payton
Mathematics Michele Hawbaker
Media.....Eric Sundquist
Music Nathan King
Physical Education Gary Heilers
School Counseling..... Colleen Joyce
Science Eric Day
Social Studies..... Kevin Coon
Special Education..... Tina Saviano
Speech Arts Nathan King
Technology and Engineering Eric Day
World Languages Tracy Balhan

BOARD OF EDUCATION

Glenbard Township High School District #87

596 Crescent Blvd.
Glen Ellyn, IL 60137

SUPERINTENDENT OF SCHOOLS

Dr. David Larson
Office: Glenbard Administrative Center - (630) 469 - 9100

ELECTED MEMBERS

Mr. Richard Heim - President
Term Expires April, 2021
Ms. Mary Ozog - Vice President
Term Expires April, 2019
Mr. Robert Friend - Parliamentarian
Term Expires April, 2021
Ms. Margaret DeLaRosa
Term Expires April, 2019
Jennifer Jendras
Term Expires April, 2021
Ms. Martha Mueller
Term Expires April, 2019
Ms. Judith Weinstock
Term Expires April, 2021

APPOINTED OFFICIALS

Ms. Roberta Crowe - Secretary
Term Expires April, 2019
Mr. Chris McClain - Treasurer
Term Expires April 2019

I. THE PHILOSOPHY OF GLENBARD DISTRICT #87

"We view education as a lifelong process to which many institutions contribute, including the family, the community and its organizations, and society in general. The task given by society to the school is the formal education of its youth.

The fundamental purpose of the Glenbard High Schools is to provide educational experiences that will enable each student to develop talents and capabilities in order to assume a responsible role in our democratic society. While maintaining high standards for achievement, we emphasize intellectual, physical, emotional and social development with each student. We recognize the dignity and worth of the individual, and we seek to preserve and enhance within each student responsibility, tolerance and freedom.

In providing these educational experiences, we acknowledge that the interaction between teacher and student is central. We also recognize that our commitment to education can best be fulfilled if we seek the cooperation and active involvement of those who share responsibility for the welfare and development of the students."

II. COMPREHENSIVE PROGRAM OF STUDIES AND SERVICES

The educational program provided by the Glenbard District 87 is comprehensive in nature. As such, it provides for two kinds of educational experiences — regular classroom activities, and co-curricular activities.

The course-of-study as set forth in this book is designed to provide for the common and the individual educational needs of students. Course content is planned to develop knowledge, understanding, attitudes, ideals, and skills, which are important to life in the American democracy.

A. GRADUATION REQUIREMENTS

Twenty-three credits including the classroom phase of Driver Education must be earned by a student to be eligible for a Glenbard diploma. No more than six credits earned at Technology Center of DuPage and/or in the Cooperative Work Training Program may be applied toward graduation. In earning the necessary credits, a student shall successfully complete the following to be eligible to receive a Glenbard diploma:

1. **Applied Arts** - (1 semester)

May be chosen from Business, Family and Consumer Science, Technology and Engineering, Technology Center of DuPage

2. **Communication** - (8 semesters)

a. Seven semesters of English

b. One semester of Speech, Theatre, or Acting

3. A program of **Consumer Education** instruction (1 semester).

The following classes satisfy the consumer education requirement:

a. Business and the Consumer	See Page 21
b. Consumer Management	See Page 21
c. Cooperative Work Training	See Page 21
d. Economics	See Page 64
e. AP Macroeconomics	See Page 64

4. **Cultural Education** - (1 semester) -to be chosen from art, music, world languages or speech arts.
This does not satisfy the 1 semester speech requirement.
5. The classroom phase of **Driver Education** (1 semester)
6. **Health Education** (1 semester)
7. **Mathematics** (6 semesters) with at least one year of Algebra 1 and one year of course work that includes Geometry content.
8. **Physical Education** (6 semesters)
9. **Science** - laboratory science (6 semesters)
10. **Social Studies** (6 semesters)
 - a. Two semesters must be United States History and one must be U.S. Government
 - b. Pass an examination on the Constitution of the United States and the State of Illinois, the Flag Code and the Declaration of Independence.
11. **SAT examination** - Complete the examination.

B. CREDIT FOR ALTERNATIVE COURSES AND PROGRAMS, AND COURSE SUBSTITUTIONS

The approval of "credit" shall be interpreted as an award of credit(s) toward graduation. Unless specifically approved by the building's School Counseling Department Chair, a grade will not be entered on the student's transcript.

Extramural Credit Options

According to Board of Education policy 6:310, students may earn up to four units of credit from any combination of correspondence or Internet courses, high school courses offered by other institutions, world language courses or college courses. All programs must be part of an accredited institution and must meet the standards of the Illinois State Board of Education. All courses must have the pre-approval of the School Counseling Department Chair prior to enrollment. Only two of the four courses can be applied to Glenbard's graduation requirement. For additional information on this policy, please reference school board policy 6:320 at www.glenbard.net.

Limit on Credits Granted

Glenbard will not accept more than 4 units of credit from any combination of correspondence and internet courses, high school courses offered by other institutions, world language courses, and college courses.

Correspondence and Internet Courses

A student enrolled in correspondence or internet courses may receive credit for work completed, provided:

1. The course is given by an institution accredited by the North Central Association of Colleges and Secondary Schools;
2. The student is a junior or a senior;
3. The student assumes responsibility for all fees; and
4. The course is approved in advance by the School Counseling Department Chair

C. PROVISION FOR INDIVIDUAL DIFFERENCES

In addition to efforts by each teacher, Glenbard attempts to meet individual needs of students by providing ability grouping in several academic areas. A student's permanent record is marked to indicate if a higher level of the course is taken.

1. Honors Program

Honors courses are offered at Glenbard as full four-year sequences in English, Math, Science and Social Studies. In World Languages, honors courses are offered at levels 3, 4 and 5. Courses with designation of honors are designed for students who demonstrate high ability and motivation in particular subject areas. These courses have added weight for grading purposes and meet the following criteria:

The content of the course is rigorous, enriched and rapid paced. Students are given greater opportunity to assume responsibility for development through research, in-depth study and discussion.

The learning objectives of the course emphasize the higher levels of cognition: analysis, synthesis and evaluation.

Students must be recommended for admission in freshmen level honors classes. For all students scoring above the 90th percentile on a standardized national test, consideration is given for entrance into honors classes. Continuation in the honors program is dependent upon satisfactory performance in the honors classes. If a student's performance indicates that the student should not continue in the honors sequence, the teacher will make that recommendation to the department chairperson, and the student and the student's parents will be notified of the recommendation.

a. Humanities

The Humanities course is an interdisciplinary approach to cultural history where students may earn honors Social Studies credit. Registration preference is given to seniors.

In addition to specific courses designated honors (H), the following programs are available:

b. Advanced Placement

An advanced placement course is an honors course which follows at least 75% of the syllabus provided by the College Board Advanced Placement Division. Advanced placement courses are college level courses which prepare students to take the advanced placement exams developed by the College Board. College credit, applicable to graduation, is granted by several thousand American and Canadian colleges for grades on the College Board examinations. Sophomore standing is granted by approximately 400 American universities to students who have passed four (sometimes three) advanced placement exams.

2. Regular Program - The majority of students will be enrolled in regular classes which offer an excellent general education for students entering careers and/or preparing for college.

3. Independent Study - Options are provided for motivated and mature students. Study projects can be initiated through any faculty member subject to the approval of the particular department chair, student's counselor and Assistant Principal for Instruction.

4. Special Education - Special education programs are made available to students who are deemed eligible. Persons interested in information about referral for placement in a special education program should contact the Special Education Department Chair or the Assistant Principal for Student Services.

5. Learning Support Programs

a. Academic Strategies I - Fr., Soph. – 1 yr., 1 elective cr. - Criteria: Standardized reading test scores, 8th grade reading scores, students reading below grade level and in need of academic strategy development. - This course will develop and strengthen academic reading strategies and skills necessary for success in all content areas. Students will improve in the areas of comprehension, Project C.R.I.S.S. strategies for learning, writing development, content area support strategies (i.e. note taking, highlighting, and study strategies), academic vocabulary and fluency.

III. STUDENT SERVICES

A. School Counseling Services are provided for all Glenbard students. Students are assigned counselors who are available to them and their parents throughout their four years of high school as an aid in planning educational programs, career education, college admission or for addressing personal issues. Additional information about guidance services is available at www.glenbardnorthhs.org, click on Glenbard North, click on Students, then School Counseling.

Included among the many student support services are: the Glenbard North Pupil Personnel Services Team, which meets weekly to discuss at-risk students. The team consists of the Assistant Principal for Student Services, deans, counselors, psychologists, social workers and nurse. A student must be recommended for these services. The Student Assistance Team is comprised of staff members specially trained in the area of identifying interfering behaviors and initiating interventions. For information regarding our other services, please contact your child's counselor or the Assistant Principal for Student Services.

B. Learning Resource Center Students are encouraged to visit the Glenbard North LRC, open daily from 7:00 a.m. through 3:30 p.m. The LRC houses a wide variety of resources. The collection includes approximately 27,000 print and media items. We also subscribe to many magazines and several newspapers. Patrons are encouraged to use these materials to complete homework assignments and for personal enjoyment. Students have access to a great deal of information through electronic subscriptions. These subscriptions provide students with current and reliable information. Students may access these sites at the LRC Home page www.glenbardnorthhs.org. The computers in the LRC and multimedia lab are for research only, not personal browsing. Librarians are available to work with students and teachers concerning various aspects of Internet use including copyright, search strategies and information literacy.

C. Audio Visual Media opportunities include a Macintosh multimedia lab with desktop publishing, presentation software and video editing capabilities. There is full Internet access. The television studio is available for classroom projects involving video taping and editing as well as radio broadcasts and photographic work. Scanning, color printing, laminating, as well as poster and banner creation can be accomplished in our production workroom. We have a multimedia PC workstation, and equipment such as camcorders and digital cameras are available for checkout to students working on classroom projects. The facility and all it has to offer is available to students.

D. Health Services - Two registered nurses maintain an office in the building. It is very important that the nurse be informed of any health problems that may affect a student at school or in related activities.

E. Open Technology Labs - Open Technology labs are located in room 1201(Windows) and (Macintosh), 2231 (Macintosh), and 2233 (Windows). These labs are provided for all Glenbard students. Hours vary, but an open technology lab is available from 7:00 a.m. - 3:45 p.m. and during study hall. A variety of software and applications are available. Examples are Microsoft Office and Internet.

IV. ACADEMIC PLANNING

A. Orientation and Enrollment of Students

1. Eighth Graders - The School Counseling Office mails information to students concerning enrollment procedures, academic requirements and courses of study. Students and parents will be scheduled for an enrollment appointment with a counselor for the purposes of selecting courses for the freshman year.
2. Freshmen, sophomores, juniors - Glenbard North counselors will meet with groups of students during the school day to provide enrollment information. Students will select courses online through the student PowerSchool portal. Parents are encouraged to review course choices with their son or daughter.

It is anticipated that all students will be enrolled in seven periods daily, plus lunch. All students must take a minimum of five credits.

3. Transfer students should contact the School Counseling Office for a registration appointment with a counselor. Academic and health records should be transferred as quickly as possible so that students will be properly placed in classes. Health records must be current and received before an enrollment appointment is made.

4. The state law requires a physical examination at the beginning of ninth grade. All out-of-state transfer students must have a physical. State law also mandates that student immunizations be up-to-date. During the spring, examination forms are given to all students in eighth grade. Parents are urged to have their son/daughter get an examination as soon as possible. STUDENTS WILL NOT BE ABLE TO REGISTER OR TO ATTEND CLASSES UNTIL PHYSICAL EXAMINATION FORMS WITH IMMUNIZATION DATES HAVE BEEN SUBMITTED TO THE SCHOOL NURSE.

B. Academic Classification of Students

Students at Glenbard are classified as freshmen, sophomores, juniors and seniors. They are also commonly referred to through the predicted year of their graduation. For example, the freshman class of 20119-20 is referred to as the "Class of 2023"

The following are the standards for the classification of all Glenbard students:

1. A student will be classified as a freshman by earning 5.5 or less credits.
2. A student will be classified as a sophomore by earning 6.0 - 11.0 credits.
3. A student will be classified as a junior by earning 11.5 - 17.0 credits.
4. A student will be classified as a senior by earning 17.5 or more credits.

Regardless of when a student completes requirements for graduation, there will be only one annual graduation exercise held at the end of the second semester.

C. Planning a Four-Year Program

Counselors will conduct conferences with freshmen to develop a four year academic plan outlining course selections for sophomore, junior and senior years. Four-year plans are revised yearly.

1. Definition of terms

- a. Credit** is the measure of school achievement. For successful completion of a semester's work in a subject meeting daily for one period, a student receives one-half credit.
- b. A Prerequisite** is a course or level which a student must complete before other courses may be taken. Prerequisites are listed in the course descriptions.
- c. Required courses** are courses which a student must complete in order to earn a Glenbard diploma.

2. Transfer of Credits

- a. From another school** - The School Counseling Office will evaluate the credits transferred from another school and specify what is needed for the student to meet the graduation requirements at Glenbard.
- b. By correspondence or college courses** - Third and fourth year students, with parental and School Counseling Department Chair approval, may receive up to two (2) Glenbard credits for correspondence or work. Approval of such courses must be secured prior to registration. We accept correspondence credit in order to satisfy graduation requirements.

3. Career Preparation

- a. Career after High School** - The Glenbard High Schools provide students many opportunities to prepare themselves for entrance into specific careers. In a sense, the entire curriculum can be considered as career preparation. Students are encouraged to discuss with their counselors the sequence of courses which will provide them with the prerequisite training needed for further work in a career area.

b. Technical Careers - Technology Center of DuPage (TCD). The Glenbard High School District belongs to the Technology Center of DuPage consortium which provides a comprehensive vocational/technical education for high school students. Features of the Technology Center of DuPage program are diversified curriculum, up-to-date equipment, specialized teachers, coordinated guidance services with participating schools and placement services for area center enrollees.

Students at Technology Center of DuPage are third and fourth year students who have career objectives related to vocational and technical education. Attendance at the Center is for 2.5 hours with all students being bussed from the home high school. Glenbard grants credits to the students in District 87. During the other part of the day, students attend classes and participate in extra-curricular activities at their home school. In order to insure that students take full advantage of this opportunity, we have established the following guidelines. Priority for enrollment at TCD will be given to those students possessing a history of good attendance, grades and behavior. Juniors who wish to continue at TCD for their senior year must meet the following criteria: absences less than 10 days, except for personal emergencies as determined by the counselor, no significant discipline issues at TCD or on the bus, and a TCD grade of 3 or better. Some TCD programs experience a large demand for limited space. If a TCD program is closed or enrollment is capped by the District; School Counseling Department Chair will maintain a wait list. The aforementioned guidelines will apply to students on the wait list.

See Technology Center of DuPage course offering – pages 82-83

c. The Cooperative Work Training Program is designed to provide students on-the-job training correlated with specific classroom instruction. The student is required to carry two regular high school courses, physical education, the work internship class and a minimum of 15 hours per school week at an approved and supervised job training station. See course descriptions in the Family and Consumer Sciences and Special Education sections for lists of specific career areas. Students interested in the Cooperative Work Training Program should apply through their counselors and the cooperative work training coordinator. Final enrollment is dependent upon coordinator approval.

d. College - Because colleges vary greatly in their admission requirements, students should carefully plan a four-year program. The Illinois Board of Higher Education recommends that students enroll for at least four years of English; three years of Math; two to four years of one World Language; three years of Laboratory Sciences; and three years of Social Science. Many private colleges follow similar guidelines. See page 84 for Illinois State University High School Preparation Requirements.

e. College Entrance Tests - It is recommended that the student participate in two major testing programs which are used by colleges for admission purposes. If these tests are taken in the student's junior year, it will facilitate admissions procedures. These are:

1. The American College Testing Program (A.C.T.)
2. The College Entrance Examination Board Program (S.A.T.)

In addition to these tests, students should plan on taking the following:

1. The P.S.A.T./N.M.S.Q.T - This test is taken junior year and is the qualifying test for National Merit Scholar.
2. PSAT8/9 - Required freshman year. This test helps prepare students for the SAT. and provides career information.
3. PSAT10 - Required sophomore year. This test helps prepare students for the SAT.

The Glenbard High Schools provide many services for college bound students and their parents. Informational meetings for students and parents are held throughout the year. College representatives regularly visit the high schools to talk to interested students. Parents are encouraged to discuss college plans with members of the School Counseling staff and access the School Counseling website and Naviance for college and career exploration. It is also highly recommended that the student and parents visit several college campuses before a final selection is made. An annual College Fair showcases more than 200 college representatives providing information for students and parents to learn about a variety of post high school opportunities. This event takes place in the fall at the College of DuPage.

f. **College of DuPage** awards articulated or dual credit when learning experiences at the secondary level of instruction duplicate those at the postsecondary level. In order for credit to be given, assigned course-to-course agreement must have been made between Glenbard North and College of DuPage. Glenbard North courses which qualify for articulated or dual credit are so designated in the course description.

g. **NCAA Requirements for Division I and II Eligibility** - Students wishing to be Division I or II athletes should contact their counselor for information on scholarship processes and recruitment regulations. The NCAA Guide for the College-Bound Student Athlete and information required to enter the NCAA Clearinghouse for scholarship processing is available at www.NCAA.org. Caution: Some colleges may require athletes to meet regular admission requirements in addition to NCAA requirements to receive a scholarship. Athletes are responsible for meeting these requirements. Signing a letter of intent does not guarantee that a scholarship will be given. Athletes must meet the college's requirements by the end of their senior year to guarantee the scholarship.

4. Planning Assistance

a. **Instructors** - Many courses have units, speakers, or projects related to helping students gain information about careers in order to make good career choices. Instructors give orientations about advanced courses in their department during Curriculum Awareness Week and make recommendations as to which students are best suited to go on to advanced programs.

b. **Counselors** - Counseling activities begin for each student while he/she is still in eighth grade. Group orientation and enrollment appointments are used to develop each student's ninth grade program. In the fall of freshman year, all students develop a 4-year Academic Plan with their counselor.

c. **Naviance** is a web-based resource that supports career and college planning. Students can conduct college searches, process college applications and view colleges visiting Glenbard North. In addition, students can find scholarship information, take career interest inventories, and develop a resume in Naviance.

d. **Parents** obviously play a vital role in assisting their sons and daughters in educational and career planning. We encourage all parents to not only utilize our student management system, PowerSchool, but to also communicate with teachers and counselors so that they can gain greater insight into their children's abilities and interests.

NON-DISCRIMINATION — TITLE IX

In accordance with law, District #87 does not discriminate on the basis of sex in the educational programs or activities which it operates. Administrative Regulation #4000 governing Sex Discrimination provides for the District's compliance with Title IX requirements. The District's Title IX coordinator is the Superintendent of Schools. Inquiries regarding Title IX may be directed to the Office of the Superintendent, Glenbard Township High School District #87, 596 Crescent Blvd., Glen Ellyn, Illinois 60137. Telephone number: 630-469-9100.

New Courses – Glenbard North

3D DESIGN 2 - AR1413 Fr., Soph., Jr., Sr., 1 sem., 1/2 cr. - Prerequisite: Ceramics 1. 3D Design 2 is designed to refine and build skills and methods learned in Ceramics 1. In addition to clay, students will explore media such as plaster, metals, glass and found objects. Using processes including wheel throwing, hand building, glass fusing, carving, and form casting, students will create both functional objects and non functional sculptures. This course builds technical and artistic proficiency necessary for success in AP Studio Art 3D.

LATIN AMERICAN HISTORY - SS3213 - Jr., Sr. - 1 sem., 1/2 cr. - Latin American History is a semester elective course that explores the Latin American experience from the pre-colonial period to contemporary 21st Century America. Students will explore Latin America's rich diversity that includes Mesoamerica, South America and the Caribbean. This exploration includes a cultural and historical perspective to better understand the experiences and processes that have shaped the region. Students will reflect on identity, independence movements, revolutions, Latin America's role in the world, and immigration issues based on analysis of primary sources such as films, music, literature, art and historical documents along with secondary sources. Students will discuss the multiple and changing identities of Latinos in America and analyze key events in 20th century Latin American to understand the context of the region in the world.

INTRODUCTION TO ENGINEERING DESIGN (PLTW) - IT1511(2) - Fr., Soph., Jr., Sr. - 1 yr, 1 cr. - Prerequisite: Students should be comfortable with Algebra. Introduction to Engineering Design (IED) is a high school level foundation course in the PLTW Engineering Program. In IED students are introduced to the engineering profession and a common approach to the solution of engineering problems, an engineering design process. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

MANDARIN 1 - FL1411(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: None. This class serves as an introduction to the Mandarin dialect of the Chinese language. The four language skills of reading, writing, listening and speaking are developed. Cultural information regarding daily life, social customs and traditions will be incorporated into the curriculum. Good study skills and classroom participation are essential to success.

HIP HOP PRODUCTION 2 - MU2713 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Hip Hop Production 1 or consent from instructor. Deeply expands on the content and techniques used in recording, producing, and performing hip hop music learned in Hip Hop Production 1. With professional software including Logic Pro, students will create a wide portfolio of music that have both impact and real-world applications. Students will also explore multiple genres to deepen and inspire the music making process. This course will apply to the cultural arts requirement for graduation. This course is repeatable.

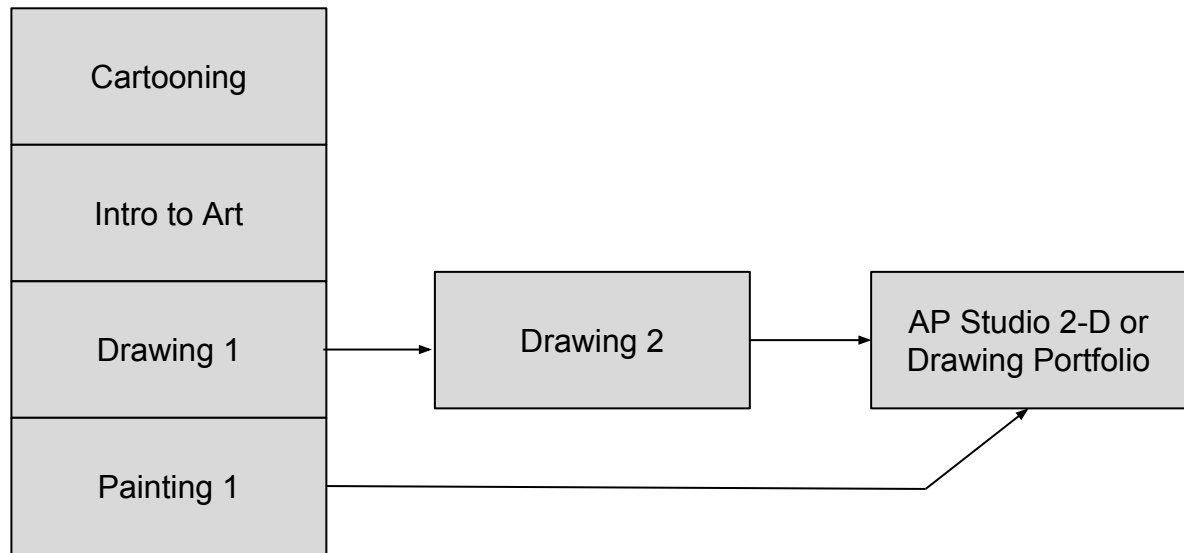
MULTIVARIABLE CALCULUS H MA5531/2 – Sr. – 1 yr. – 1 cr. + 4 hours undergraduate credit from University of Illinois. Prerequisite: AP Calculus BC (U of I only offers MVC credit for a 4 or 5 on the BC exam). This course is the capstone of our calculus course sequence and is offered at Glenbard North through a dual enrollment model with the University of Illinois @ Urbana-Champaign. There is a \$350.00 enrollment fee per student. This fee also avails the student to 4 hours of undergraduate credit at the University of Illinois upon completion of the course (along with earning a 4 or higher on the AP Calculus BC Exam). Students receive personal help from on-line mentors under the guidance of the Glenbard teacher trained to guide this computer-aided course. While students are expected to perform calculations by hand, abstracting away from the algebraic calculations can often make it easier to initially learn the connections between concepts. Technology allows students to quickly produce and easily change graphics and representations of their formulas.

ART COURSE SEQUENCE

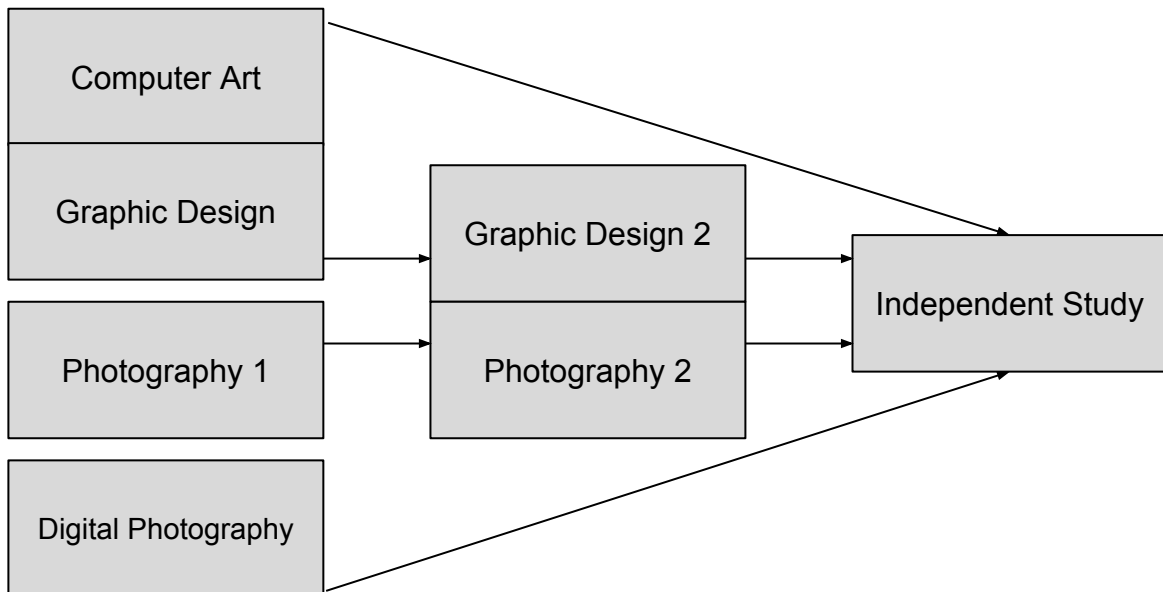
3-DIMENSIONAL COURSES



2-DIMENSIONAL COURSES



COMPUTER AND PHOTOGRAPHY COURSES



ART

The ability to communicate visually is a necessary skill for success in contemporary society; these courses help students develop those skills. These courses fulfill the graduation requirement for Cultural Arts.

INTRODUCTION TO ART - AR1013 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: None. This is a great way to sample many of our art courses in one single semester class. Intro to Art will give you a wide variety of art experiences as you do projects in drawing, graphic design, painting, ceramics, computer art and photography.

COMIC ARTS- AR2813 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Drawing 1 is helpful. This course is for the naturally talented and interested cartoonist, as well as the curious beginner. We will teach you the basics of drawing cartoons and then invite you to develop your own personal style as we explore a variety of cartooning styles, including hero comics, manga, comic strips, graphic novels, and even get in some exposure to simple animation techniques.

DRAWING 1 - AR2313 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: None. Learn how to draw figures, faces, and objects from observation and your imagination. Learn how to use charcoal, pencil, chalk, and pen and ink like artists. Discover how to talk about art and look at the world like an artist. Are you afraid you can't draw? Don't worry, we'll teach you how.

DRAWING 2 - AR3313 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Drawing 1 or teacher approval. This class brings your original ideas to life by using charcoal, pencil, pastels, and ink. Learn perspective and figure drawing, and create multiple prints in relief printmaking. This is an advanced class that will build on the techniques you learned in Drawing 1.

PAINTING 1 - AR2513 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: None (Drawing 1 recommended). Create original paintings with acrylic and watercolor. Learn how you can bring your ideas to life with color and brushstrokes. We'll teach you the painting techniques you need to create artwork your friends will envy.

GRAPHIC DESIGN 1 - AR2213 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: None. In this interesting course you will learn what it takes to be a designer, solving problems and communicating through composition, typography and images. You will solve real client problems like logos, page design, package design, advertising and illustration. In this Apple Mac-based course, you will work every day on computers, learning the software that actual designers use.

GRAPHIC DESIGN 2 - AR3213 - Fr., Soph., Jr., Sr. - 1 sem 1/2 cr. - Prerequisite: Graphic Design 1. If Graphic Design 1 showed you how satisfying it is to communicate through visual design, this second level course will help you to develop your own design style and offer you even more design problems to solve. We step it up a notch, design our own fonts, layout web pages, design our own books and create more complex multimedia works. This class can really help prepare you for a college experience in art by building your portfolio.

CERAMICS 1 - AR2113 - Fr., Soph., Jr., Sr. -1 sem., 1/2 cr. - Prerequisite: None. You will get to work with clay all semester. We'll make mugs, vases, sculptures, and more! You will also get to use the pottery wheel. We'll teach you the entire ceramic process of constructing, firing, and glazing your artwork.

PHOTOGRAPHY 1 - AR2613 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: None. You will learn how to make classic black and white photographs in true old school style in this interesting class. No digital photography here, as we learn to shoot film with 35mm cameras, develop our own film, and then print personal work in our school darkroom. You will learn to take better pictures with any camera. No film camera? No problem since we supply the 35mm cameras - and all your film and photo paper too.

PHOTOGRAPHY 2 - AR3613 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Photo 1. - If you fell in love with the darkroom and mastered the technical challenges of making great photographs, this second level course will start where you left off. Creativity and curiosity are the keys to this advanced black and white photo class. Building on the foundations we laid in Photo 1, we will push creative expression even further with assignments in hand coloring, toning, mixed media, and reverse printing. By studying the quality and control of light, we will master portraits. By adding text and color to change your photo's impact, you will produce amazing, original art. We will finish the semester with a strong series that showcase your independent creative vision. No film camera? We supply 35mm cameras - and all your film and photo paper too.

DIGITAL PHOTOGRAPHY - AR4113 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: None (Photo 1 or Computer Art is helpful). Ever wonder how art photographers make such cool photos? This photoshop class is perfect for anyone interested in digital photography. First you will learn how to work your digital camera - including all the strange settings mentioned in the manual. You will use your digital photographs as the start, but will push the images to new levels of creativity by learning Photoshop software. You will create dreams or nightmares, make photos that purposely lie and paint digitally. We will play with scanners as cameras and work every day in our newest Apple Mac lab.

COMPUTER ART - AR2913 - Fr., Soph., Jr., Sr., - 1 sem., 1/2 cr. - Prerequisite: None. Art and technology blend wonderfully in this fun course. Students are invited to create interesting computer-based artwork using Adobe Photoshop and Illustrator and other programs. Projects include composition, photo manipulation, drawing and painting, creating cartoon storyboards and simple animation. Working in our Mac lab every day makes this course a great choice for an independent, creative student.

INDEPENDENT STUDY - AR6012 - Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Student must have taken the entire sequence of courses in the chosen area of study offered by the Art department. The student must contract with the individual teacher and have departmental approval. This is an advanced course for the serious student, tailored to the student's interest. It requires self-motivation and self-discipline, with the teacher functioning as mentor to the student's goals and objectives. Final pieces are expected to be of portfolio quality.

3D DESIGN 2 - AR1413 - Fr., Soph., Jr. Sr., 1 sem., 1/2 cr. - Prerequisite: Ceramics 1

3D Design 2 is designed to refine and build skills and methods learned in Ceramics 1. In addition to clay, students will explore media such as plaster, metals, glass and found objects. Using processes including wheel throwing, hand building, glass fusing, carving, and form casting, STUDENTS will create both functional objects and non functional sculptures. This course builds technical and artistic proficiency necessary for success in AP Studio Art 3D.

AP STUDIO ART - 2D DESIGN - AR5231(2) Jr., Sr., 1 yr., 1 cr. - Prerequisite: Teacher

Approval. Grade of C or above in Drawing 1, Drawing 2, and/or Painting are strongly encouraged for a good foundation. Throughout the school year, you will produce a minimum of 24 pieces of art that address two-dimensional (2-D) design issues. Design involved purposeful decision making about how to use the elements and principles of art in your work. For this portfolio, you can use any 2-D medium or process, such as graphic design, digital imaging, photography, collage, fabric design, weaving, fashion design, fashion illustration, painting and printmaking. At the end of the year, you will submit your portfolio of artwork to the AP College Board where it will be scored. There is no "traditional" AP test in this class. This class is fast paced; expect to complete one assignment per week and to set aside time outside of class to produce quality work.

AP STUDIO ART - 3D DESIGN - AR5131(2) Jr., Sr., 1 yr., 1 cr. - Prerequisite: Teacher

Approval. Grade of C or above in Ceramics 1, Ceramics 2 and/or Sculpture are strongly encouraged for a good foundation. Throughout the school year, you will produce a minimum of 16 pieces of art that address sculptural issues. You will be asked to demonstrate your understanding of design principles as they relate to depth and space, volume and surface. Students can use any 3-D approach: figurative or nonfigurative sculpture, architectural models, ceramics, glass, installation, performance, assemblage and 3-D fabric/fiber arts. At the end of the year, students will submit their portfolio of artwork to the AP College Board where it will be scored. There is no "traditional" AP test in this class. This class is fast paced; expect to complete one assignment per week and to set aside time outside of class to produce quality work.

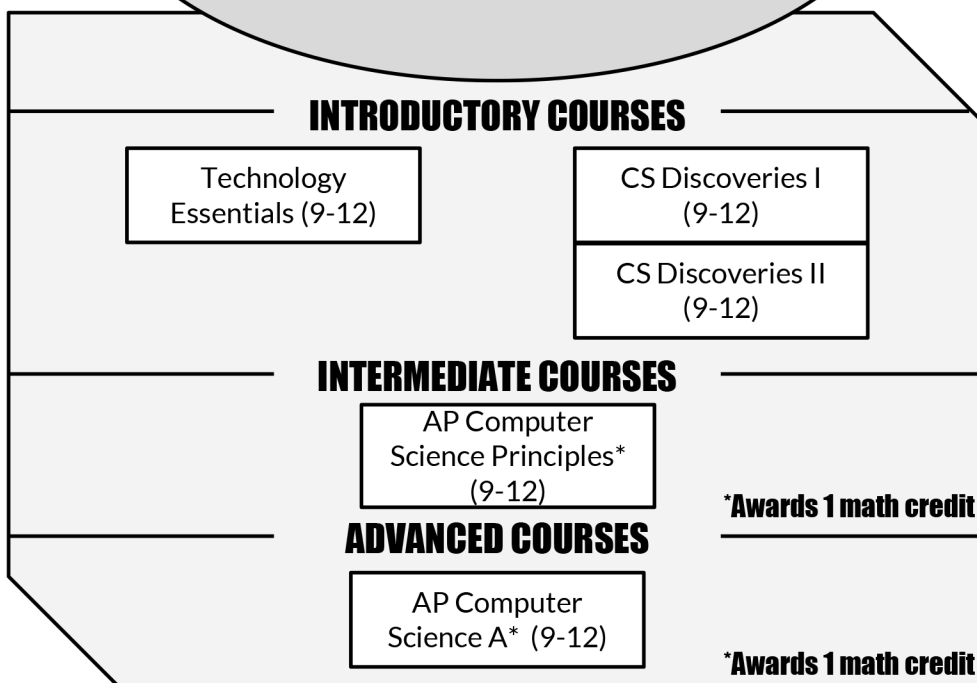
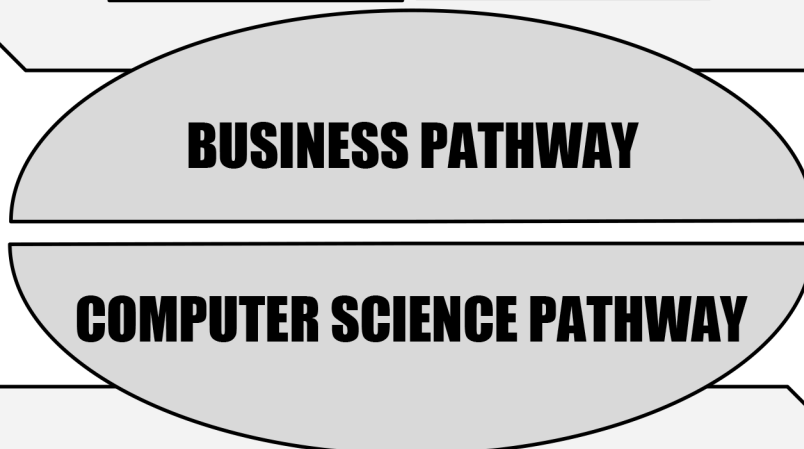
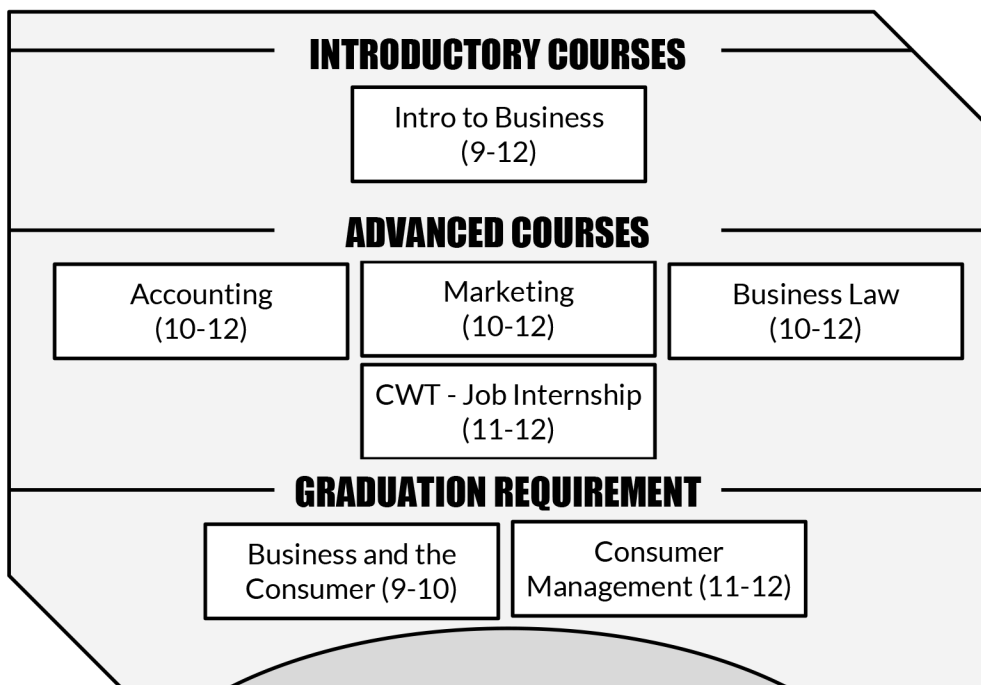
AP STUDIO ART - DRAWING - AR5031(2) - Jr., Sr., - 1 year, 1 cr. - Prerequisite:

Teacher Approval. Grade of C or above in Drawing 1, Drawing 2, and/or Painting are strongly encouraged for a good foundation. Throughout the school year, you will produce a minimum of 24 pieces of art that address drawing issues: line quality, light and shade, rendering of form, composition, surface manipulation, the illusion of depth and mark-making. These issues can be addressed through a variety of media: painting, printmaking, mixed media, graphite, charcoal, etc. At the end of the year, you will submit your portfolio of artwork to the AP College Board where it will be scored. There is no "traditional" AP test in this class. This class is fast paced; expect to complete one assignment per week and to set aside time outside of class to produce quality work.

BUSINESS

The mission of our department is to provide all students relevant and challenging educational opportunities while supporting a greater understanding of post-secondary careers and pathways. Our students will acquire critical life, technical and employability skills while engaging in professional experiences that relate to the 16 national career clusters.

- Courses offered in these areas meet the Applied Arts Graduation Requirement.
- Consumer Management and Business and the Consumer meet the Consumer Education Graduation Requirement. Either of these courses emphasize Personal Financial Literacy beyond basic economics.
- AP Computer Science Courses satisfy Math Graduation Requirements in Illinois as of June, 2014.



TECHNOLOGY ESSENTIALS - BU1013 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. -

Prerequisite: None. How fast are you on a desktop keyboard? Can you enter formulas in a spreadsheet? Can you create a video for online viewing? Become a technology expert. This course will give students the technology skills needed for mobile and tablet devices, as well as, laptops or desktop computers. Microsoft Word and Excel, as well as, Google Apps are used to help students develop and enhance necessary technology skills. Students will create documents useful for the school and the work environment. Students will also learn the importance of recognizing the digital footprints left behind when using any computer device.

COMPUTER SCIENCE DISCOVERIES 1 - BU2113 - Fr., Soph., Jr., Sr.- 1 sem., 1/2 cr. -

Prerequisite: None. This course takes a wide lens on computer science by covering topics such as programming, physical computing, and HTML/CSS. Students are empowered to create authentic artifacts and engage with CS as a medium for creativity, communication, problem solving, and fun.

COMPUTER SCIENCE DISCOVERIES 2 - BU2512 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. -

Prerequisite: Computer Science Discoveries 1. Students will see how a thorough user-centered design process produces a better application, how their personal data is collected and used on the web, and they will work with bare circuit boards to see how computers collect input and return output in a variety of ways. Student groups will continue to iterate on and refine a mobile app that integrates everything they've learned throughout the course into one capstone project.

AP COMPUTER SCIENCE PRINCIPLES - BU5231(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr., 1 Math cr. -

Prerequisite: None. AP computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact our everyday world. The goal of this course is to create leaders in computer science fields and attract and engage those who are traditionally underrepresented with essential computing tools and multidisciplinary opportunities. Successful completion of this course will provide students with the opportunity to take the Advanced Placement examination in Computer Science. Students are expected to take this exam.

AP COMPUTER SCIENCE A - BU5131(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr., 1 Math cr. -

Prerequisite: Algebra 1. This course teaches the methods and techniques of programming design as well as an in depth study of algorithms, data structures, data abstractions and object-oriented programming using the language Java. Successful completion of this course will provide students with the opportunity to take the Advanced Placement examination in Computer Science. Students are expected to take this exam.

CONSUMER EDUCATION

The following courses fulfill the graduation requirement for consumer education.

BUSINESS AND THE CONSUMER - BU1213 - Fr., Soph. - 1 sem., 1/2 cr. - Are you looking for a straightforward business approach to personal consumer issues? Business and the Consumer is for you because it provides a basic background of business as it functions in our American economic system. Topics included in this course are budgeting, banking and financial services, income tax preparation, the nature of credit and installment buying and comparison shopping through an on-line shopping experience. Students will investigate business careers and occupations and learn how to apply for a job. Basic business mathematics is also included.

CONSUMER MANAGEMENT – FC3813 - Jr., Sr. – 1 sem., 1/2 cr. - Learn to “live” the concepts of budgeting, investing, renting or buying a home, reconciling your checkbook, getting credit, and preparing income taxes as a consumer, worker, and a citizen in our market economy! This Junior/Senior course is designed to assist students with the challenges of living with a roommate or marriage partner.

JOB INTERNSHIP

COOPERATIVE WORK PROGRAM - BU3011(2) - Jr., Sr. - 1 yr., 3 cr. -

Prerequisite: 16 years of age, transportation. The Cooperative Work Training Program provides opportunities for students to explore careers in a variety of occupations, develop good work habits, attitudes, self-confidence and sense of job security and independence. The overall goal of the program is for students to obtain work experience and develop desirable employment and academic skills in preparation for potential career choices. This course fulfills the applied arts and consumer education requirement.

Students who enroll in this program MUST be employed for at least 15 hours a week and show proof of employment by Friday of the first week of school.

BUSINESS

ACCOUNTING - BU2311(2) - Soph., Jr., Sr. - 1 yr., 1 cr. - Are you considering a college major in Business? Accounting is the language of business. This course is designed to teach the double entry accounting system through the entire basic business accounting cycle for a proprietorship, partnership and corporation. Learn the systematic process of reading, analyzing and preparing financial statements of a business. Computerized accounting software will be introduced and used throughout the course. Guest speakers discuss the profession and job outlook.

BUSINESS LAW - BU4113 - Soph., Jr., Sr. - 1 sem., 1/2 cr. This course emphasizes the basic principles of law, which underlie everyday personal and business transactions. Topics covered include: the nature of law and legal problems, criminal law, contractual obligations, bailments, basic rights of individuals, employment law and a variety other activities that students will encounter.

MARKETING: SPORTS & ENTERTAINMENT - BU4613 - Soph., Jr., Sr. - 1 sem., 1/2 cr. This course will introduce students to the role of marketing in the sports and entertainment industry. The emphasis is on employing basic marketing concepts and strategies such as developing, researching, advertising and selling goods and services. Particular attention will be focused on the development and implementation of marketing plans. Manage a professional football team by operating a computer simulation.

INTRODUCTION TO BUSINESS - BU3613 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr.
Prerequisite: None. Introduction to Business explores the role and purpose of business in our economic system with emphasis on what everyone should know to function effectively as a consumer and a worker in a free-enterprise economy. Units will include marketing, accounting, business law, entrepreneurship, and international business. Some topics that would be discussed: the 4 P's of the marketing mix, understanding financial statements and how they impact a business, a general overview of the U.S. legal system, an understanding on the types of business ownerships, and an emphasis on how businesses must understand the differences when operating outside of the U.S. The overall goal of this course is to give students a general overview of business, and provide students the opportunity to explore topics related to the business world.

CAREER INTERNSHIP – BU4213 - Jr., Sr., 1 sem., 1/2 cr.
Students explore careers in fields such as accounting, dentistry, medicine, law, real estate, social work, journalism, architecture, and education. Students learn both through classroom instruction and on-site (unpaid) working experience. In the classroom, students complete a career self-analysis and acquire career-readiness skills. Based upon the analysis and the interests of the individual student, he/she then must participate in a supervised internship. The internship will span twelve (12) weeks for approximately 3 1/2 hours per week for a total of 40 hours. Students benefit by testing a career interest before choosing a college major, taking classroom learning into the real world, and realizing personal growth and development in an actual career field. Students must provide their own transportation to internship sites. Students are covered at the internship work site by their parents' or guardian's health insurance.

DRIVER EDUCATION

DRIVER EDUCATION - DE2011(2) -Soph., Jr., Sr. - 1 sem., 1/2 cr. - Classroom phase required for graduation. This course consists of three phases - classroom, simulation, and “behind-the-wheel.” To qualify for a certificate of satisfactory completion, a student must pass all phases of the course. In addition to the license fee of \$20.00, all students enrolled in BTW will be assessed a \$350.00 fee to defray the cost of the program. When not attending Driver Ed class, students are assigned to study hall.

Glenbard North is a part of the cooperative testing program with the State of Illinois. This program allows students with a grade of four in each of the three phases of driver education to be tested for their driver's license at the high school.

Core Coursework--English

Year	Regular	Honors/AP
9	English 1	English 1H
10	English 2	English 2H
11	English 3 American Studies	AP Language & Composition
12	Semester-long options: Modern Literature & Comp Senior Comp World Literature Major British Writers Creative Writing Journalistic Writing Literature of War Literature & Psychology	AP Literature & Composition AP Research

Academic Assistance—Administrative Placement Only

Year	Regular
9	Extended English English 1/Academic Strategies

ENGLISH

Graduation requirement: 3.5 credits

ENGLISH 1 - EN1011(2) - Fr. - 1 yr., 1 cr. - English 1 introduces students to the major genres, themes, and approaches that they will encounter throughout their high school career in the English classroom. Activities, assignments, and thematic units will encourage students to make meaningful connections and to extend understanding beyond the text. Through a balance of contemporary and classic works from a multitude of genres, students will improve their writing, reading, speaking, and listening skills.

ENGLISH 1H* - EN1021(2) - Fr. - 1 yr., 1 cr. - English 1 Honors is offered to students with strong reading and writing ability and interest in the study of English. This course thematically integrates the study of language, composition and literature in order to develop and enhance critical thinking skills. Course content is enriched, rigorous and rapidly paced, designed to prepare students to take Advanced English Placement courses as juniors and seniors. **Placement in English Honors depends upon test scores and teacher and department chair recommendations. Honors students may be required to read selected works of literature during the summer and complete an assignment as preparation for the course.**

ENGLISH 2 - EN2011(2) - Soph. - 1 yr., 1 cr. - This course includes units in literature and composition to strengthen skills in reading as well as expository and descriptive writing. Composition work focuses on improvement of sentence structure, vocabulary, and usage. In literature, students read selected poems, short stories, drama, and novels, which demonstrate effective use of language. In addition, students complete a library research project.

ENGLISH 2H* - EN2021(2) - Soph. - 1 yr., 1 cr. - This course offers highly motivated students the opportunity to study the classic works of Hugo, Bronte, Shakespeare, Rostand, and Sophocles, along with non-fiction works, which contribute to a world-literature focus. Composition activities provide experience in formal expository and creative writing. Research focuses on enrichment of experience in the study of literature. ***Honors students may be required to read selected works of literature during the summer and complete an assignment as preparation for the course.**

ENGLISH 3 - EN3011(2) - Jr. - 1 yr., 1 cr. - This course offers an in-depth study of some of America's most prized literary works in various genres. Students will learn to question, predict, and interpret the ways in which great literature can illuminate the human experience. Activities and assignments will encourage students to think critically about authorial intent and a text's enduring understanding. Students will also practice expository, persuasive and research writing to learn the various components of delivering an effective argument.

ENGLISH 3 - AMERICAN STUDIES - EN3111(2) - Jr. - 1 yr., 2 cr. - This two-credit course is an alternative to enrolling in U.S. History and English 3 separately; it satisfies the graduation requirements for both. Team-taught by an English and a history teacher during two consecutive periods, this course traces America's historical, artistic, and philosophical growth. Students analyze the American experience as a cultural whole: its institutions, literature, politics, economics, and ethnic groups. They are involved in essay writing, journaling, reading and discussing as well as several hands-on projects. The study of the U.S. Constitution and state and local government will be included in this course. Because of the two credits attached to this course, only students with a history of strong academic commitment are advised to select this course.

AP ENGLISH LANGUAGE AND COMPOSITION* - EN3031(2) - Jr. - 1 yr., 1cr. - This course is designed according to the guidelines found in the AP English Course Description. In addition to meeting the standards set by the College Board, AP Language also provides students with a survey of the body of American Literature. Students will analyze, discuss, and write about various types of American prose, particularly essays, short stories, speeches, and novels, with an emphasis on the effectiveness of language, rhetorical strategies, and argument. Upon completion of this course, students will be prepared to take the Advanced Placement Examination in English Language and Composition. ***Honors/ AP students are required to read selected works of literature during the summer and respond in journal entries as preparation for the course.**

CREATIVE WRITING - EN4513 - Jr. - 1 sem, 1/2 cr. - Creative Writing explores the basic elements of fiction writing, including narrative, character, and dialogue, as well as the habits necessary to grow as a writer. Students will read a wide variety of short stories and poetry alongside essays on writing craft in order to develop a language for talking about how fiction works. Frequent writing exercises, often inspired by the readings, will explore genres such as poetry, memoir, as well as generate longer stories and experimental fiction. In the second half of class, students will compose a final portfolio that will be the culmination of their semester work and will include polished and publishable pieces. ***NOTE: Creative writing may also be taken by seniors as an elective towards their 3 1/2 credits for graduation. See the English Senior Electives page for details.**

JOURNALISTIC WRITING - EN4813 Jr. - 1 sem., 1/2 cr. - In this semester course, students will explore the foundational principles of journalism and its crucial role in a functioning democracy. Writing practices such as balanced reporting, evaluating sources, effective research and interviewing techniques will challenge students to develop their skills. Students will explore the evolution of journalism from the inception of the television to the 24-hour news cycle of today, our current “fake-news” epidemic, and reporting in the age of social media. Specific issues such as ethical decision making and journalistic integrity will be scrutinized through the exploration of current events. This course emphasizes the importance of critical thinking, challenging the status quo, and seeking the truth. ***NOTE: Juniors in Journalistic Writing take this course in addition to their core junior English course. Seniors may also take this as an elective towards their 3 1/2 credits for graduation. See the English Senior Electives page for details.**

AP ENGLISH LITERATURE AND COMPOSITION * - EN5031(2) - Sr. - 1 yr., 1 cr. - This course is designed for those students who have demonstrated a special interest and high level of competence in English. Concentrated instruction and practice in writing plus a chronological study of British literature through the twentieth century will enhance student preparation for the AP exam. Successful completion of this course qualifies the student to take the AP examination which can result in the awarding of college credit and/or advanced placement at the undergraduate level. Also, a major research project is required for successful completion of this course. ***Honors/AP students are required to read selected works of literature during the summer and respond in journal entries as preparation for the course.**

AP RESEARCH – EN5131(2)– Sr. – 1 yr. English cr. - In the second year of the AP Capstone curriculum, students will design, plan, and conduct a year long research-based investigation on a topic of individual interest. Through this mentored inquiry and investigation, students will learn research methodology and ethical research practices while accessing, analyzing and synthesizing information to address their research question. This course culminates in a 5000 word academic thesis paper, an oral defense, and a public presentation of their research.

ENGLISH SENIOR ELECTIVES

Senior students may choose from any of the following semester-long options. All students are encouraged to consult their teacher for recommendations.

***AP RESEARCH is a year-long course with specific requirements. See course description for details.**

SENIOR COMPOSITION - EN4713 - Sr. - 1 sem., 1/2 cr. - This is a challenging college-preparatory course designed to further develop competence in composition writing and prepare them for their freshmen-level college composition course requirement. It includes an intensive review of style, coherence, grammar, and mechanics. Assignments require students to write a variety of essays in different rhetorical modes such as comparison/contrast, argumentative, research, and personal narrative. A student electing to take this course should expect to write on a constant basis, incorporating mature content along with sophistication in writing style. In addition, a term project focuses on writing a literary analysis paper based on the independent reading of a novel and researched criticism in order to support a thesis. **Successful completion of the research paper is required to earn credit for the course.**

LITERATURE AND PSYCHOLOGY - EN4214 - Sr., 1 sem, 1/2 cr. - This course is designed for students who are interested in studying literature through a psychological lens. Divided into units that address sensitive issues such as anxiety and depression, grief and guilt, and love and relationships, students will apply psychological theories, especially those of Freud and Jung, to literature in order to deepen and enrich their understanding of a text.

MAJOR BRITISH WRITERS - EN4413 - Sr. - 1 sem., 1/2 cr. - In this college-preparatory course, students study the early history of English and the origins of the English language. They will meet remarkable characters and reflect upon the wisdom of literary giants like Chaucer, Shakespeare, Donne, and Joyce. The class will open up a treasure-trove of what Mathew Arnold called “the best that has been thought and said” in human history, and students’ study will give them the tools for accessing other great literature in the future.

WORLD LITERATURE - EN4313 - Sr. - 1 sem., 1/2 cr. - This college-preparatory course is designed for students with above-average reading skills and a special interest in global literature. Students will be involved in an active search for meaning in the texts as well as creative, critical reflections on questions of enduring significance. Students will have the opportunity to explore important works of literature from a variety of time periods and genres and from every continent.

MODERN LITERATURE AND COMPOSITION - EN4111(2) - Sr. - 1 sem., 1 cr. - This course is designed for students who wish to acquire additional skills in academic writing and further develop a critical understanding of literature. The study of literature includes selections that reflect multicultural issues and global social concerns of 21st century culture. Students should select this course if they are looking to balance more contemporary texts with academic writing.

LITERATURE OF WAR - EN4114 - 1 sem., 1/2 cr - This course examines literature through the lens of war, including the psychology, evolution, and ethos of both war and the warrior. The course will also encompass the history and consequences of both World Wars, and students will analyze two novels from not only a personal and a societal perspective but from a global one as well.

CREATIVE WRITING - EN4513 - Sr. - 1 sem., 1/2 cr. - Creative Writing explores the basic elements of fiction writing, including narrative, character, and dialogue, as well as the habits necessary to grow as a writer. Students will read a wide variety of short stories and poetry alongside essays on writing craft in order to develop a language for talking about how fiction works. Frequent writing exercises, often inspired by the readings, will explore genres such as poetry, memoir, as well as generate longer stories and experimental fiction. In the second half of class, students will compose a final portfolio that will be the culmination of their semester work and will include polished and publishable pieces. ***NOTE: Creative writing may also be taken by juniors as an additional elective. See General English course descriptions.**

JOURNALISTIC WRITING - EN4813 Jr. - 1 sem., 1/2 cr. - In this semester course, students will explore the foundational principles of journalism and its crucial role in a functioning democracy. Writing practices such as balanced reporting, evaluating sources, effective research and interviewing techniques will challenge students to develop their skills. Students will explore the evolution of journalism from the inception of the television to the 24-hour news cycle of today, our current “fake-news” epidemic, and reporting in the age of social media. Specific issues such as ethical decision making and journalistic integrity will be scrutinized through the exploration of current events. This course emphasizes the importance of critical thinking, challenging the status quo, and seeking the truth. ***NOTE: Juniors in Journalistic Writing take this course in addition to their core junior English course. Seniors may also take this as an elective towards their 3 1/2 credits for graduation. See the English Senior Electives page for details.**

ACADEMIC ASSISTANCE COURSES

These classes are by administrative placement only.

**** This credit will not apply toward the three-year English requirement.**

ACADEMIC STRATEGIES 1 - EN1301(2) - Fr. - 1 yr., 1 elective cr. -** Criteria:

Standardized reading test scores, 8th grade reading scores. For students reading below grade level and in need of academic strategy development. This course will develop and strengthen academic reading strategies and skills necessary for success in all content areas. Students will improve in the areas of comprehension, Project C.R.I.S.S. strategies for learning, writing development, content area support strategies (i.e. note taking, highlighting, and study strategies), academic vocabulary and fluency.

EXTENDED ENGLISH I - EN0011(2) - Two period course - Freshmen - 1 English cr. & 1 elective cr. - Prerequisite: For students reading significantly below grade as determined by standardized reading test scores and recommendation. - This double period English course is designed to support the most at-risk reader. Students will be immersed in a standard English program emphasizing vocabulary acquisition, fluency, grammar, writing, and communication skills. Importance is placed on intensive reading strategies in order to accelerate reading growth toward grade level proficiency.

ENGLISH LANGUAGE LEARNERS

*These classes are by administrative placement only.

TECHNOLOGY ESSENTIALS ELL - BU1143 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: None. This course will develop the technology skills of ELL students, as well as, support their development of English as a second language. Students first develop speed on a desktop keyboard. This important course will give students the technology skills for mobile and tablet devices and laptop or desktop computers. Microsoft Word and PowerPoint, as well as, Google Apps are used to help students develop and enhance their technology skills.

ENGLISH 1 ELL - EN1041(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Recommendation by the ELL counselor and the ELL department chair. This class is appropriate for non-English speaking students. An intense immersion in English language and American culture will prepare students to transition into ELL 2 and other appropriate academic classes.

LANGUAGE SKILLS 1 ELL - EN1141(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Recommendation by the ELL counselor and the ELL department chair. Students from non-English speaking backgrounds will become proficient in literacy skills necessary to be successful in academic settings.

ENGLISH 2 ELL - EN1241 (2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Recommendation by the ELL counselor and the ELL department chair. This course is designed to develop English language and study skills of students from non-English speaking backgrounds. English 2 ELL is intended to immerse the novice English student in the language, resulting in a faster acquisition of skills. Instruction in ELL emphasizes practical listening, speaking, reading and writing skills. Students have daily opportunities to listen to spoken English and to manipulate vocabulary and structures that they will need in their content-area classes. Grammar is taught formally by rules and informally through practice and repetition.

LANGUAGE SKILLS 2 ELL - EN1341(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Recommendation by the ELL counselor, and the ELL department chair. Language Skills ELL 2 is the second daily period of English 2 ELL. Students will learn structural patterns to effectively communicate in content-area topics. Reading material is guided and controlled to ensure practice of grammatical structures and vocabulary. Beginning writing is taught.

ENGLISH 3 ELL - EN2041(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Recommendation by the ELL counselor, and the ELL department chair. ELL 3 students will be introduced to adolescent literature to help familiarize the language-minority students with American society and culture. The students will practice basic comprehension skills and utilize inferential and other higher-level thinking skills.

LANGUAGE SKILLS 3 ELL - EN2141(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Recommendation by the ELL counselor, and the ELL department chair. This course will familiarize students with the library and research skills. The student will continue to improve composition and grammar skills. Students will develop an understanding of the writing process and be able to apply it to various types of writing.

ENGLISH BRIDGE ELL - EN3041(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Recommendation by the ELL counselor, and the ELL department chair. ELL Bridge will expose the students to reading and writing at an appropriate level. Emphasis will be placed on reading strategies and the writing process. The students will be introduced to various types of literature and will be expected to do independent reading. Upon successful completion of the program of study, the student will be placed in a regular English course.

CONSUMER MANAGEMENT ELL - FC3343 - Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: ELL 3 and Bridge. This course fulfills the consumer education requirement for graduation. While supporting students continued development of English as a second language, this course will teach students financial responsibility. Money management, credit and debt, use of banking institutions for savings and checking accounts, and investment options are topics students will learn.

CULINARY ARTS ELL - FC1143 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - This course is designed for students from non-English speaking backgrounds to develop vocabulary and preparation skills related to basic American food items. Units of study include quick breads and cereals, fruits, vegetables, dairy/meat and cookies and simple nutrition. Laboratory experiences will emphasize vocabulary, safety, sanitation and the proper use and care of food preparation equipment.

SPEECH - ELL - SP1043 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: ELL 3 and Bridge. This course is designed with the English Language Learner in mind. Students will build and expand their communication skills and vocabulary. The class incorporates individual, partner, and group work that explore a variety of speech activities. The highlights include job interviewing, a Radio/TV News report, and speeches that focus on cultural celebrations, a demonstration, personal narratives and informative topics. The class is interactive and is adapted to meet the needs of the students. Students must be able to demonstrate an intermediate level of competency in English in order to take this course.

PRE-ALGEBRA ELL - MA0641(2) - Fr. - 1 yr, 1 cr. - Pre-Algebra ELL is a sheltered content class that covers pre-algebra material, including whole numbers, decimals, fractions, percents, proportions and equations with one variable. The class provides a solid math foundation of skills, processes and vocabulary on which future classes will build.

ALGEBRA ELL - MA1141(2) - Fr., Soph., Jr., Sr. - 1 yr. 1 cr. - Prerequisite: Recommendation of the ELL teacher. The purpose of this course is to prepare English language deficient students for their transition into courses offered by the mathematics department. Students may be moved out any time during the year, and their placement will be determined by both their English language proficiency and their mathematics proficiency.

GEOMETRY ELL - MA2141(2) - Soph., Jr. - 1 yr., 1 cr. - Prerequisite: Algebra 1 and recommendation of Department Chair. Geometry is an integrated course in plane, solid, and coordinate geometry. This course emphasizes problem-solving skills as opportunities for review of algebra.

HEALTH ELL - HE1043 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: ELL 3 and Bridge. This course is designed for those students who have demonstrated a need for English as a second language instruction. The course includes the study of mental health, personal hygiene, human sexuality, disease, nutrition, drug education and safety and first aid. This course fulfills the health requirement for graduation.

PHYSICAL SCIENCE ELL - SC1441(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Recommendation of the ELL teacher and counselor. This course is based on laboratory work where physical science principles are learned through experimentation. This course presents an introduction to chemistry and physics where scientific data are collected and interpreted, using skills such as measurement of length, mass, volume and temperature. Emphasis is placed on record keeping, organizing facts and problem solving. ELL Science will prepare English language deficient students for their transition into other courses offered by the science department.

BIOLOGY ELL - SC2041(2) - Fr., So., Jr., Sr., - 1 yr., 1 cr. - Prerequisite: Recommendation of the ELL teacher and the Science ELL teacher. This course is based on laboratory work where the biological principles are learned through experimentation. Topics covered include the study of cells, biochemistry, reproduction, physiology, diversity of plants and animals, heredity and evolution. ELL Biology will prepare English Language learners for their transition into other courses offered by the science department.

CHEMISTRY ELL - SC3341(2) - Sop., Jr., Sr., 1 yr., 1 cr. - Prerequisite: Algebra with a "C" or better and Biology ELL. Chemistry ELL is a course that deals specifically with the nature of matter. This is a lab-based class that will focus on quantitative problem solving and scientific literacy. Topics include: atomic structure, nature of matter and chemical reactions, mathematics of chemical reactions, gas laws, periodicity, thermodynamics and acid-base chemistry.

US HISTORY ELL - SS3041(2) - Fr., Soph., Jr., Sr., 1 yr., 1 cr. - Prerequisite: ELL Level 3 and Bridge. This course is designed to meet two objectives: to improve each student's English language ability and to learn about United States History. Students will explore significant events from the Colonial Period through the 20th Century and will be encouraged to think critically about the events and people that have come to define the United States. Students will also practice reading, writing, speaking and listening in English. Successful completion of U.S. History ELL will provide students with the skills and background knowledge needed in U.S. Government and Politics ELL. **Successful completion of this course is required for graduation.**

UNITED STATES GOVERNMENT AND POLITICS ELL - SS4303 - Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Students must have successfully completed U.S. History ELL. This course is especially crafted for students who are participating in the ELL program; attention to language and communication skills will complement the study of the political structure of the United States at the national, state, and local levels. Students will begin their study examining classical political philosophies and explore the practical operations of government at the local, state and national levels. Students will be encouraged to think critically about the role of individual citizens in the political process and are expected to engage in activities which involve active citizenship in and outside of the classroom.

State Requirement: Passing grade on the U.S./Illinois Constitution exam is required for graduation.

Glenbard Requirement: Successful completion of this course fulfills the civics requirement for graduation.

STUDY METHODS ELL - EN9941(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Basic study skills are taught and reinforced. Time management, outlining, note-taking and test-taking are some examples of skills taught in this course. Daily study time is provided for practical application of study skills.

FAMILY and CONSUMER SCIENCE

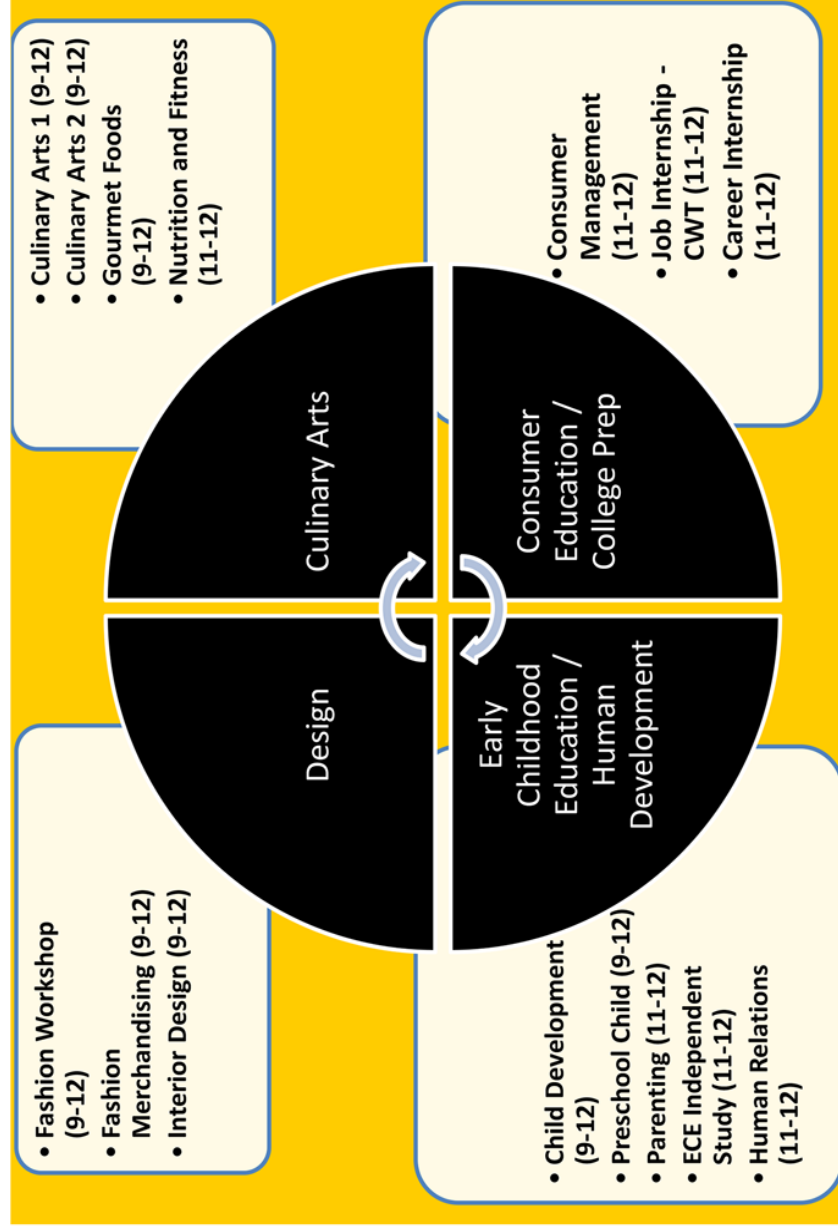
The mission of our department is to provide all students relevant and challenging educational opportunities while supporting a greater understanding of post-secondary careers and pathways. Our students will acquire critical life, technical and employability skills while engaging in professional experiences that relate to the 16 national career clusters.

- Courses offered in these areas meet the Applied Arts Graduation Requirement.
- Consumer Management meets the Consumer Education Graduation Requirement. This course emphasize Personal Financial Literacy beyond basic economics.
- Nutrition and Fitness can meet a Physical Education Graduation Requirement.

How can you earn College Credit at College of DuPage by taking Family and Consumer Science Courses?

**Consumer Education Graduation Requirement*

Glenbard North Family and Consumer Science Department



Articulated Credit

In this program, Family and Consumer Science students earn college credit at College of DuPage for courses taken at high schools within Community College District 502 with, usually, a course grade of "A" or "B."

Articulated credit may be earned at Glenbard North in the areas of Early Childhood Education and Fashion.

Early Childhood Education Child Development and Preschool Child

To qualify for articulated credit, complete the following within two years of high school graduation:

- Submit a completed Application for Articulated Credit to the Records office at COD
- Request an official transcript be sent from Glenbard North to the Records office at College of DuPage.
- You must complete at least one credit course at College of DuPage to establish a transcript record before the Records office can record any credit earned from the Credit by Demonstrated Competence program.

CULINARY ARTS 1 - FC1113 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Acquire teamwork skills that will last a lifetime. Explore culinary techniques and cooking methods while learning to work safely and efficiently in the kitchen. A la carte food items and meals are prepared in lab including quick breads, fresh pasta, pizza, and desserts. Catering projects apply the concept of small businesses in the hospitality industry. Apply information about nutrition and wellness to your lifestyle. Develop skills that can be used for job placement in the hospitality industry or for personal use.

CULINARY ARTS 2 - FC2113 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Culinary Arts 1. Continue expanding the food preparation skills learned in Culinary Arts 1 while using more advanced cooking methods to prepare pastries, meat and poultry dishes, soups, sauces, cakes, and yeast breads. Work together to create meals for entertaining throughout the semester. Quantity food preparation is practiced during catering projects. Students take a field trip to encounter new experiences in dining.

GOURMET FOODS - FC4113 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Culinary Arts 1. Advance your food preparation skills from Culinary Arts 1 to prepare regional cuisine and advanced culinary arts projects. Current food and restaurant trends will be explored. Experience international cuisine and food customs. Carry out marketing and production plans for catering and commercial food projects. Learn advanced techniques for candy making, cake decorating, and other gourmet food projects.

NUTRITION AND FITNESS - PE3113 - Jr., Sr.- 1 sem., 1/2 cr. (.5 in PE) This one-semester course is an integrated program which incorporates the principles of foods and nutrition. The student will analyze his/her diet, prepare nutritious foods, and participate in a variety of fitness and stress management activities. Each student will participate in a health and fitness evaluation at the beginning of the semester and will then establish his/her own fitness and nutritional goals for the semester. Activities include: computer diet analysis, selection and preparation of low fat foods and menus, running, walking, aerobics other fitness related activities, and speakers related to health and fitness. **This class may be repeated once; different topics are covered in the fall and spring semester.** This course fulfills the Physical Education requirement. Each student will receive .5 credit per semester for successful completion of the program. If a student chooses to take this course and an additional PE course, they could elect to receive a .5 credit for applied arts rather than the .5 PE credit.

FASHION WORKSHOP - FC1213 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - The main focus of the course is the world of fashion, how it changes and how to make fashion work for you. Design your own fashions as you create a wearable art project. Find out your figure type and learn to choose clothes that will make you look your best. Students learn to coordinate fashion looks and accessories by applying design elements and principles to their design projects. Hands-on projects are used throughout the course. Some projects may involve sewing techniques.

FASHION MERCHANDISING - FC2213 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - No prerequisite required. An adventure into the fashion world: fashion merchandising, apparel design, advertising, retail buying, visual display, modeling, fashion show production or textile design! Class projects allow students to learn skills used in fashion related businesses. This course includes many hands-on projects. This is a college-prep level course and earns three hours of articulated credit from College of DuPage.

INTERIOR DESIGN - FC3613 - Fr, Soph., Jr., Sr. - 1 sem., 1/2 cr. - Learn about the many factors involved in creating a satisfying living environment. Analyze residential and commercial floor plans and learn basic drafting skills to draft your own. Choose fabrics and furniture styles to create a specific look in a room. Apply design, color and art principles to design projects. Work with space planning and traffic patterns to create practical, interesting furniture arrangements. Projects are used extensively so students can apply the concepts they learn. This is an excellent course for the student who plans a career in design or architecture.

CHILD DEVELOPMENT - FC2313 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Learn how children grow and develop, how they express their emotions and expand their knowledge. Children from birth to age eight will be studied. Examine the importance of toys and play in a child's life. Study the theories of child psychologists, including Piaget. Student laboratory work will be with 3-5 year old children during the ten-week session in the Little Panther Playschool, our on-site child development lab. This class provides information for anyone considering a career working with children, in social services, teaching and beyond. Purchase of a Little Panther Playschool T-shirt is required; approximately \$10.

PRESCHOOL CHILD - FC3913 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Child Development. Learn about communication techniques that are successful with young children. Explore the use of positive discipline methods. Learn about the professions in early childhood development and how to plan and present age-appropriate activities to preschool children. Apply developmental information learned in the previous course. Students will plan and present lessons to 3-5 year old children during the ten-week session in the Little Panther Playschool, our on-site development lab. The course is highly recommended for anyone planning a career in education, psychology, or social services. This is a college-prep level course and earns three hours articulated credit at College of DuPage. Independent Study in early childhood education is available after this course is completed.

INDEPENDENT STUDY IN EARLY CHILDHOOD EDUCATION - Jr., Sr. - 1 or 2 sem., 1/2 cr. per sem. - Prerequisite: Child Development, Preschool Child and Dept. Chair approval. Students will learn the business of running a Playschool from set up in fall to shut down in spring. Administrative tasks will include parent correspondence, computer generated forms for children, room management, and Playschool inventory. Preparation and teaching of activity centers for 18-36 month old children occur during a ten-week session in conjunction with the Little Panther PlayGroup, our on-site child development lab. Student must be self-motivated, able to work steadily on his/her own, and love children. See page 7 of the enrollment handbook regarding school guidelines for independent study.

PARENTING - FC3713 - Jr., Sr. - 1 sem., 1/2 cr. - No prerequisite required - Explore and prepare for the future of parenting including today's key controversies. Investigate children's physical and emotional needs; discover why parents are crucial to their children's development. Family dynamics, planning, challenges, and crisis are covered along with parenting strategies and styles. This class interacts with 18-36 month old children during a ten-week session in the Little Panther Playgroup, our on-site child development lab. This class is very applicable to career choices in education, nursing, psychology and social services. Purchase of a Little Panther Playschool T-shirt is required; approximately \$10

HUMAN RELATIONS - FC3413 - Jr., Sr., - 1 sem., 1/2 cr. - Look closely at the relationships you have with the important people in your life. Learn about yourself and others. Examine personality development theories and how they apply to the individual. Explore future relationships such as marriage and parenthood as you develop an understanding of the person you are now and the person you want to become. This course examines positive communication skills and techniques essential to everyone as they interact with others in their careers and relationships.

CAREER INTERNSHIP – BU4213 - Jr., Sr., 1 sem., 1/2 cr. -

Students explore careers in fields such as accounting, dentistry, medicine, law, real estate, social work, journalism, architecture, and education. Students learn both through classroom instruction and on-site (unpaid) working experience. In the classroom, students complete a career self-analysis and acquire career-readiness skills. Based upon the analysis and the interests of the individual student, he/she then must participate in a supervised internship. The internship will span twelve (12) weeks for approximately 3 1/2 hours per week for a total of 40 hours. Students benefit by testing a career interest before choosing a college major, taking classroom learning into the real world, and realizing personal growth and development in an actual career field. Students must provide their own transportation to internship sites. Students are covered at the internship work site by their parents' or guardian's health insurance.

JOB INTERNSHIP

COOPERATIVE WORK PROGRAM - BU3011(2) & BU3111(2) - Jr., Sr. - 1 yr., 3 cr. -

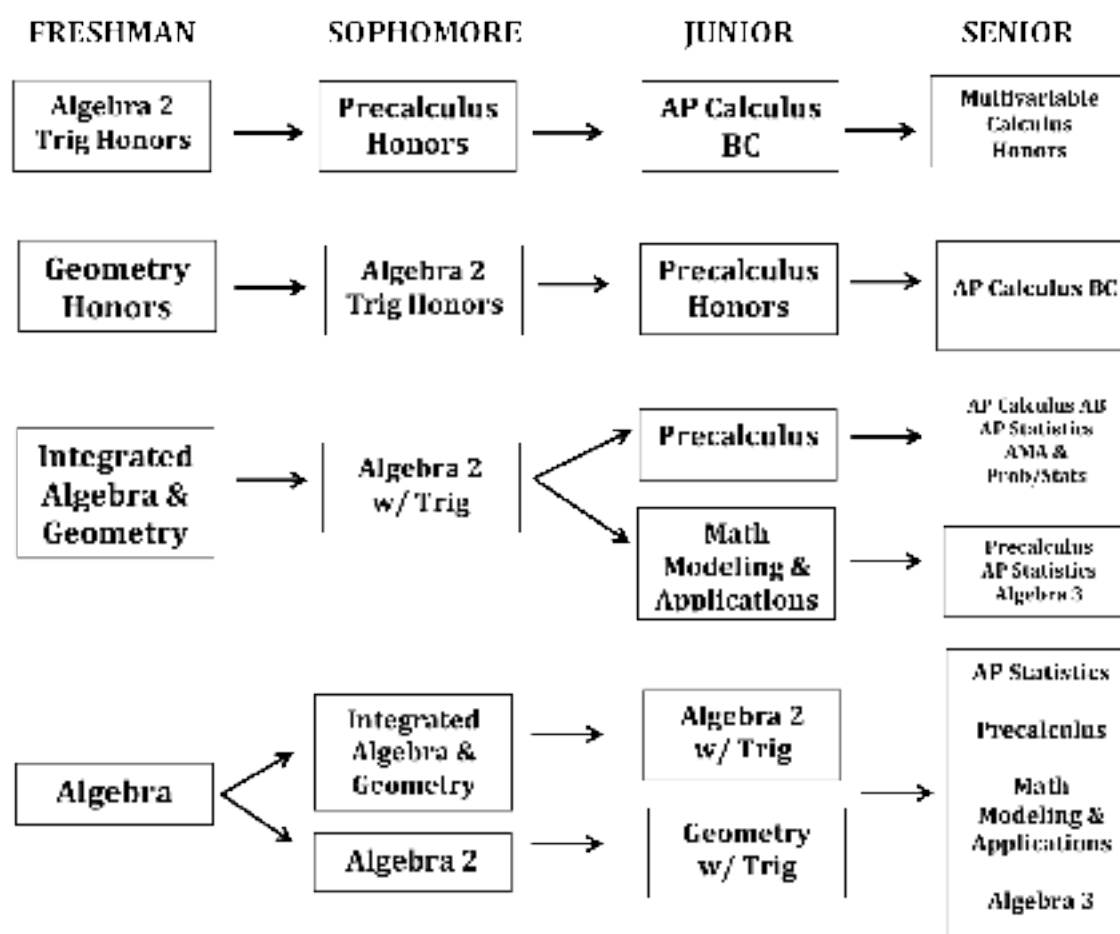
Prerequisite: 16 years of age, transportation. The Cooperative Work Training Program provides opportunities for students to explore careers in a variety of occupations, develop good work habits, attitudes, self-confidence and sense of job security and independence. The overall goal of the program is for students to obtain work experience and develop desirable employment and academic skills in preparation for potential career choices. **This course fulfills the applied arts and consumer education requirement.** *Students who enroll in this program MUST be employed for at least 15 hours a week and show proof of employment by Friday of the first week of school.*

CONSUMER EDUCATION

CONSUMER MANAGEMENT – FC3813 - Jr., Sr. – 1 sem., 1/2 cr. - Learn to “live” the concepts of budgeting, investing, renting or buying a home, reconciling your checkbook, getting credit, and preparing income taxes as a consumer, worker, and a citizen in our market economy! This Junior/Senior course is designed to assist students with the challenges of living with a roommate or marriage partner.

CONSUMER MANAGEMENT IS OFFERED AS A ZERO HOUR OPTION.

Mathematics Department 2019-2020



MATH

A TI-84 calculator (or equivalent) is required for ALL math courses. It is important to note that due to recording, camera, and internet capabilities, the use of iPad is NOT allowed on any assessment.

A number of the courses listed are part of our Honors (H) or Advanced Placement (AP) series of courses. These courses are rich in mathematics theory and application; they will provide students with a solid foundation on which to build a career heavy in mathematics. Students interested in pursuing these courses should have a strong affinity for mathematics and truly enjoy problem solving. Students enrolled in these classes may be required to complete summer work.

ALGEBRA ENRICHED - MA0111(2) - Fr. 1 yr., 0 cr. - Algebra Enriched is a course designed to be a flexible support for students who need assistance to be successful in Algebra. This is a needs-based course in which students will be selected based on 8th grade teacher recommendations and performance on the PSAT8/9. At times, students may be dismissed to a regular study hall to work on course work in other areas. This will allow the mathematics teacher to target instruction to specific skills and competencies necessary for success in Algebra. A determination will be made at the conclusion of semester 1 regarding the students continued placement in this course. Upon availability, students who are successful in Algebra will have the option of taking a regular study hall or an elective of their choice during semester 2 in place of Algebra Enriched.

ALGEBRA 1 - MA1111(2) - Fr. - 1 yr., 1 cr. - Prerequisite: Previous school recommendations and PSAT 8/9 scores. This course is designed for the first year algebra student or for a continuation of algebra in 8th grade. It integrates the language and application of algebra with geometry, statistics, and probability. Problem solving is emphasized throughout the course. The content focuses on the application of algebraic skills in real-world situations.

INTEGRATED ALGEBRA AND GEOMETRY - MA1311(2) - Fr. - 1 yr., 1 cr. - Prerequisite: Previous school recommendations and PSAT 8/9 scores. This accelerated course reinforces conceptual understanding and procedural fluency of foundational Algebra 1 content, while integrating plane, solid, and coordinate geometry. Problem-solving, multiple representations of mathematical relationships, and effective use of technology are emphasized. This course satisfies the requirement for Algebra and Geometry. Successful completion prepares a student for Algebra 2 with Trigonometry.

GEOMETRY H - MA2121(2) - Fr., Soph. - 1 yr., 1 cr. - Prerequisite: Algebra. This is a course in plane, solid and coordinate geometry. In addition to topics of regular geometry, students will study inequalities and coordinate proofs. Formal proofs will be emphasized and students will be exposed to a variety of non-routine problems.

ALGEBRA 2 - MA3211(2) - Soph - 1 yr., 1 cr. - Prerequisite: Algebra 1. Algebra 2 reinforces the concepts of Algebra and gives a more thorough understanding of the number system, of graphical representation, and of the function concept. The study of topics such as quadratic functions, complex numbers, matrices and determinants, and probability, gives the student increased computational skills, as well as ability to apply them to wider fields.

ALGEBRA 2 WITH TRIGONOMETRY - MA3411(2) - Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Integrated Algebra & Geometry. This is a course in advanced algebra. Algebra 2 with Trigonometry emphasizes an understanding of the number system, the concept of a function, graphical representations of functions, and trigonometry. Topics include linear, quadratic, exponential, trigonometric functions, complex numbers, logarithms, matrices, and sequences.

ALGEBRA 2 WITH TRIGONOMETRY H - MA3421(2) - Fr., Soph. - 1 yr., 1 cr. - Prerequisite: Geometry or Geometry Honors. The content is similar to that of Algebra 2 with Trigonometry but also includes extensions and problem-solving activities designed to challenge, enrich, and deepen students' math understanding. *Students choosing to level-up are expected to complete the Algebra 2 with Trigonometry Honors Summer Bridge course to prepare for the rigorous course work in honors Mathematics.

GEOMETRY WITH TRIGONOMETRY - MA3911(2) - Jr. - 1 yr., 1 cr. - Prerequisite: Algebra 2. Geometry with Trigonometry includes a continuation of Algebra 2 topics that focus on exponential and logarithmic functions and trigonometry. Geometry will focus on plane, 3D-space, and coordinate geometry. Topics include triangles, circles, polygons, parallel lines and an introduction to coordinate and solid geometry.

MATHEMATICAL MODELING AND APPLICATIONS - MA4121(2) - Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Algebra 2 with Trigonometry. This course will provide an emphasis on business, social science, and natural science applications to enhance the numerical literacy of the student. The application will focus on statistical analysis, financial literacy, social science trends, and business analysis. This course will also enhance students' ability to communicate mathematically both orally and in written form. Students' critical thinking skills will be further developed in preparation for their college work, or entry into the traditional Pre-calculus, Calculus sequence, or an AP Statistics course.

PRECALCULUS - MA4511(2) - Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Algebra 2 with Trigonometry or Algebra 2 with Trigonometry Honors. Pre-calculus is a one year course that emphasizes an in-depth understanding of functions, including linear, quadratic, exponential, and trigonometric functions. Other topics include vectors, matrices, logarithms, and complex numbers. Real world applications are used. There is extensive graphing calculator use in this course.

PRECALCULUS H - MA4521(2) - Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Algebra 2 with Trigonometry or Algebra 2 with Trigonometry Honors. This course combines the study of trigonometry and analytic geometry with advanced work in functions, logarithms, complex numbers, vectors, matrices, sequences, and series. In addition, students will be introduced to some topics which are usually covered at the beginning of calculus, such as the formal definition of the limit of a function, continuity of a function, and the first and second derivatives of a function.

ALGEBRA 3 - MA4611(2) - Sr. - 1 yr., 1 cr. - Prerequisite: Algebra 2 with Trigonometry or both Algebra 2 and Geometry with Trigonometry. This course is designed to develop mathematical reasoning and maturity and to facilitate placement into the College of DuPage (COD) math program by reinforcing the fundamental concepts of algebra. The course emphasizes problem solving utilizing multiple approaches (algebraic, geometric, and numeric). Students completing this course with a C or better and successful performance on the COD placement test (ALEKS) will transition into a credited math class at COD. This course is not only for COD bound students. It will help prepare any student for the mathematics needed for career and college.

ADVANCED MATHEMATICAL APPLICATIONS – MA4113 – Sr. – 1 sem – 1/2 cr. - Prerequisite: Precalculus. In this course students will learn new skills from the field of linear algebra and discrete and finite mathematics, as well as, an introduction to applied calculus. Students will work to understand how mathematical applications and models play a role in economics and social, life, and physical sciences.

PROBABILITY AND STATISTICS – MA4213 – Sr. – 1 sem – 1/2 cr. - Prerequisite: Precalculus. Statistics is the science of collecting information; organizing and displaying the information in the form of numerical data; and analyzing, interpreting, and making predictions from the data. This course familiarizes students with experiment design, formulation and testing of hypotheses, and adoption of confidence intervals to predict future behavior using probability. Students will pursue solutions to real and challenging problems in business and economics, biology and medicine, social sciences, psychology and education.

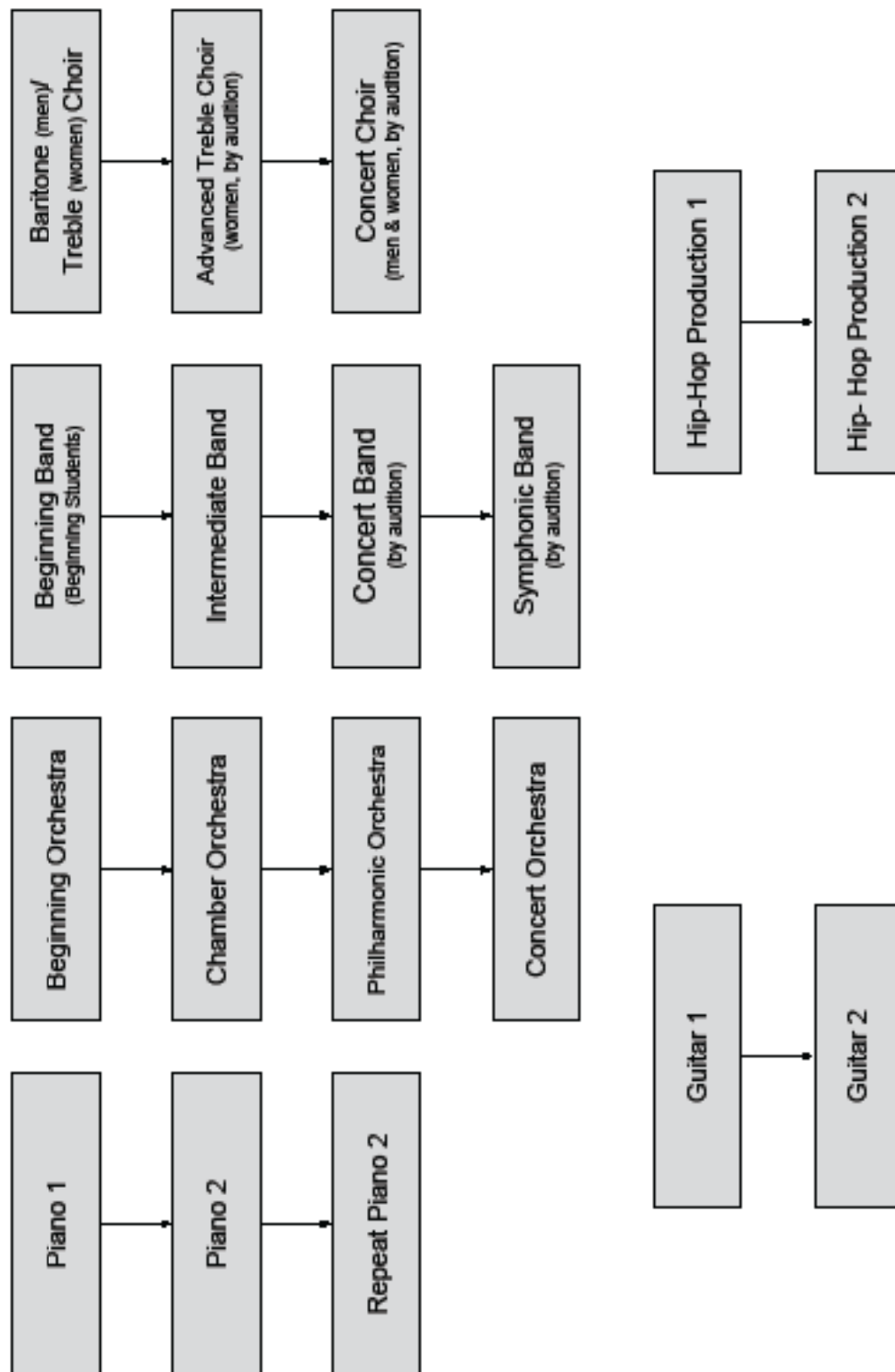
AP STATISTICS - MA5131(2) - Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Algebra 2 with Trigonometry or equivalent. This course will provide a full year junior/senior mathematics course for college bound students. This course will cover both descriptive and inferential statistics and will cover topics like experimental design, probability, sampling distributions, confidence intervals and hypothesis tests. Successful completion of this course should qualify the student to take the AP examination and can result in the awarding of college credit and/or advanced placement at the undergraduate level of college.

AP CALCULUS (AB) - MA5231(2) - Sr. - 1 yr., 1 cr. - Prerequisite: Pre-Calculus or Pre-Calculus H. This is a course in introductory calculus with elementary functions and includes all the topics that are part of the AP-AB syllabus for differential and integral calculus. Successful completion of this course should qualify the student to take the AP examination and can result in the awarding of one semester of college credit and/or advanced placement at the undergraduate level of college.

AP CALCULUS (BC) - MA5331(2) - Sr. - 1 yr., 1 cr. - Prerequisite: Pre-Calculus H. This course includes all the topics normally included in the differential and integral calculus. It is quite likely that a student who successfully completes this course will receive either advanced placement or credit at the college level. Successful completion of this course should qualify the student to take the AP examination and can result in the awarding of two semesters of college credit and/or advanced placement at the undergraduate level of college.

MULTIVARIABLE CALCULUS H - MA5531/2 - Sr. - 1 yr. - 1 cr. - + 4 hours undergraduate credit from University of Illinois. Prerequisite: AP Calculus BC (U of I only offers MVC credit for a 4 or 5 on the BC exam). This course is the capstone of our calculus course sequence and is offered at Glenbard North through a dual enrollment model with the University of Illinois @ Urbana-Champaign. There is a \$350.00 enrollment fee per student. This fee also avails the student to 4 hours of undergraduate credit at the University of Illinois upon completion of the course (along with earning a 4 or higher on the AP Calculus BC Exam). Students receive personal help from on-line mentors under the guidance of the Glenbard teacher trained to guide this computer-aided course. While students are expected to perform calculations by hand, abstracting away from the algebraic calculations can often make it easier to initially learn the connections between concepts. Technology allows students to quickly produce and easily change graphics and representations of their formulas.

Music Curriculum



MUSIC

Enrollment in any of the Music Department courses satisfies the cultural education requirement needed for graduation.

BEGINNING BAND - MU1311(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - This is a class for students who have no previous or very limited experience playing a musical instrument. The class will prepare wind and percussion students for further study in Intermediate Band. All students will develop their own individual skills and techniques.

GUITAR 1 - MU1513 - Fr., Soph., Jr., Sr. – 1/2 yr., 1/2 cr. - This course offers beginning instruction on acoustic guitar. Instruction emphasizes music fundamentals, chord structures, music notation, picking, strumming, and instrumental techniques for accompanying and playing traditional and contemporary songs. Students must supply their own acoustic guitar.

GUITAR 2 - MU3513 - Fr., Soph., Jr., Sr. – 1/2 yr., 1/2 cr. - Prerequisite: Guitar 1. This course is an extension of Guitar 1 and offers more advanced instruction on acoustic guitar. Instruction continues to emphasize music fundamentals, chord structures, music notation, picking, strumming, and instrumental techniques for accompanying and playing traditional and contemporary songs. Students must supply their own acoustic guitar.

PIANO 1 - MU2513 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: None. This class is for students with little or no piano experience and will teach students the basics of piano keyboarding performance. Using these piano skills, students will also explore elements of music theory, history, notation, and composition.

PIANO 2 - MU4513 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Successful completion of Piano 1 or approval of instructor. This class is a continuation of Piano 1, stressing the development of advanced piano skills. This class will allow students to develop their skills both within a group as well as through independent projects that are coordinated on a “one-to-one” type basis with the instructor. This class will be geared to students with piano background: either private piano lessons or successful completion of Piano 1. This course is repeatable.

HIP HOP PRODUCTION 1 - MU2613 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - This class is for students with an interest in or curiosity about Hip Hop music. The main purpose of the course is to create original Hip Hop music (both lyrics and beats). Students use and learn about loop-based software on their iPad to create and sample beats. Students will have access to recording equipment to create studio-quality audio recordings of their rapping and/or singing. While the focus of the class is on creating new material, students will also explore Hip Hop origins, current Hip Hop music, Hip Hop culture (graffiti art, beatboxing, and break dancing), as well as Hip Hop’s impact on society and social issues. Students do not need any experience or background in Hip Hop music to take this course.

HIP HOP PRODUCTION 2 - MU2713 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. -

Prerequisite: Hip Hop Production 1 or consent from instructor. Deeply expands on the content and techniques used in recording, producing, and performing hip hop music learned in Hip Hop Production 1. With professional software including Logic Pro, students will create a wide portfolio of music that have both impact and real-world applications. Students will also explore multiple genres to deepen and inspire the music making process. Hip Hop Production 1 is a prerequisite for this course. This course will apply to the cultural arts requirement for graduation. This course is repeatable.

BEGINNING ORCHESTRA - MU1411(2) - Fr., Soph., Jr. - 1 yr., 1 cr. - Prerequisite:

None. This class is for the beginning stringed instrument player with little or no musical training. Instruction is offered on orchestral stringed instruments: Violin, Viola, Cello and Stringed Bass. Fundamentals of string playing are taught with an emphasis on proper instrument and bow position, tone production, intonation, rhythm, note reading, basic music theory, ensemble playing, and the development of basic aural skills. Upon completion of this course the student may gain membership in the Chamber Orchestra.

CHAMBER ORCHESTRA - MU2411(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite:

Previous instruction on the chosen instrument at the Middle School level or successful completion of Beginning Orchestra. In this class, students receive additional technical and musical training. Emphasis is placed on bowings, vibrato, intonation, and rhythm. Several types of compositions are prepared and presented in public concert.

INTERMEDIATE BAND - MU2211(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite:

Approval by band director. This is a class for students who have experience playing in band, but have not auditioned into either Concert or Symphonic Band. This class will prepare students for participation in Concert Band, Symphonic Band and Marching Band. The type of instrument studied is limited to winds and percussion.

CONCERT BAND - MU3111(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Audition

in the spring prior to the start of the school year. Concert Band is composed of students who have exhibited a sufficient technical proficiency to perform advanced literature. Students will continue to progress in their musical skills. Members of the Concert Band also play in Marching Band and Pep Band.

SYMPHONIC BAND – MU4211(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite:

Audition in the spring prior to the start of the school year. Symphonic Band is composed of students who have exhibited the highest level of technical proficiency on their instrument. Emphasis is placed on giving the individual a comprehensive background and experience in performance of traditional and contemporary music. Members of the Symphonic Band also play in Marching Band and Pep Band.

BARITONE CHOIR - MU1111(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - This course is for the beginning singer with little or no musical training. Fundamentals of music notation, sight reading, breath control, and tone production, as well as basic aural skills are taught. Each year members are required to participate in several formal concerts presented by both the individual choruses and the combined choral department. Upon completion of this course, students may audition to progress to Concert Choir.

TREBLE CHOIR - MU1211(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - This course is for the beginning singer with little or no musical training. Fundamentals of music notation, sight reading, breath control, and the tone production, as well as basic aural skills are taught. Each year the members are required to participate in several formal concerts presented by both the individual choruses and the combined choral department. Upon completion of this course, students may audition to progress to Advanced Treble Choir or Concert Choir.

TREBLE-BARITONE CHOIR ii - MU1371(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - In Treble-Baritone Choir ii, the focus is on developmentally appropriate music skills. Peers will be partnered with Life Skills students and will be responsible for assisting and participating with the students in all music activities. Activities will include singing, playing instruments, and movement. This class may also perform at Glenbard North choir concerts throughout the year, as well as other performance opportunities.

ADVANCED TREBLE CHOIR - MU3011(2) - Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Audition in the spring prior to the school year or recommendation of the director - This vocal ensemble is an advanced group for singers who have had experience in a high school chorus. Continued study of tone production, breath control, sight reading and music theory concepts are stressed. Each year members are required to participate in several formal concerts presented by both the individual choruses and the combined choral department. Upon completion of this course, students may audition to progress to Concert Choir.

CONCERT CHOIR - MU4011(2) - Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Audition in the spring prior to the start of the school year - Concert Choir is an advanced mixed vocal ensemble for students who have satisfactorily completed Advanced Treble Choir or Baritone Choir. With the choir, vocal techniques and performance skills are developed and refined at a high level. A wide variety of music is studied and mastered. Concert Choir performs in four formal concerts per year, as well as occasional out-of-school performances.

AP MUSIC THEORY - MU5031(2) - Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Enrollment in another music course or instructor recommendation. - This course gives the student a thorough introduction to advanced music theory as well as the study of music history. Included in this course is ear training, sight singing, melodic dictation, conducting, and a broader understanding of music as a listener as well as a performer. Music Theory is an especially helpful course for the individual who is considering enrolling in music at the college level.

PHYSICAL EDUCATION AND HEALTH

PHYSICAL EDUCATION REQUIREMENT FOR GRADUATION

Daily Physical Education Program:	Semester 1	Semester 2
Grade 9	P.E. or Health	P.E. or Health
Grade 10	P.E. or Driver Ed.	P.E. or Driver Ed.
Grade 11	P.E.	P.E.
Grade 12	P.E.	P.E.

For juniors and seniors, the state mandates a program of physical education. Three credits in physical education are required for graduation (1/2 credit per semester course). Due to the continuing state mandate of physical education, except during the semesters that health and driver education are taken, the normal student progress toward accumulating the necessary three credits in physical education will be a one semester course in physical education during the freshman year, a one semester course in physical education the sophomore year, and full years of physical education during junior and senior years. (Students may choose to take elective physical education classes in addition to the required courses- up to four credits may be used toward graduation.) However, it should be noted that additional elective courses taken in physical education during a particular school year cannot be substituted for the state physical education requirement in a later school year. Grades earned in physical education will be used in computing a student's grade point average.

The Glenbard North physical education uniform is required for all students.

COMMON ASSESSMENTS

Performance Assessment: Students are required to complete a pre and post-fitness assessment measuring their health related fitness: cardiovascular endurance (mile run), muscular strength (push-ups), muscular endurance (sit-ups) and flexibility (sit and reach). Students will be assessed on growth in these respective areas throughout the semester as well as their junior and senior year. Student data will be stored in Mastery Manager. Student data will be collected with Mastery Manager and student's fitness test scores will be tracked through a database.

Cognitive Assessment: Freshmen and sophomore students will complete a common district assessment at the end of the semester showing their knowledge, understanding, and applications of various fitness and wellness concepts. Student data will be stored in Mastery Manager. Student data will be collected with Mastery Manager and student's fitness test scores will be tracked through a database.

FITNESS AND LIVING (1 AND 2) PE1111(2)/PE2111(2) - Fr. and Soph. - 1 sem., 1/2 cr. - This course emphasizes knowledge and development of fitness and wellness concepts through instruction and participation in diverse physical activities. The semester long courses challenge students with individual and team sports, physical fitness skills, fitness pre- and post-assessments, and may include heart rate monitor use, social dance and team challenge activities.

NUTRITION AND FITNESS - PE3113 - Jr., Sr. - 1 sem, 1/2 cr. - This one semester course is an integrated program which incorporates the principles of foods and nutrition. The student will analyze his/her diet, prepare nutritious foods, and participate in a variety of fitness and stress management activities. Each student will participate in a health and fitness evaluation at the beginning of the semester and will then establish his/her own fitness and nutritional goals for the semester. Activities include: computer diet analysis, selection and preparation of low fat foods and menus, running, walking, aerobics, other fitness related activities, and speakers related to health and fitness. This class may be repeated once, different topics are covered in the fall and spring semester. This course fulfills the Physical Education requirement. Each student will receive .5 credit per semester for successful completion of the program. If a student chooses to take this course and an additional PE course, they could elect to receive a .5 credit for applied arts rather than the .5 PE credit.

ADVANCED STRENGTH TRAINING - PE4811(2) - Jr., Sr. - 1 sem., 1/2 cr. - This class is offered to students who want to improve their strength, speed, quickness and cardiovascular fitness. This course includes high intensity weight, functional, and plyometric training. The advanced strength training class is designed to provide each student with the knowledge needed to understand the importance of strength and fitness training.

MODIFIED PHYSICAL EDUCATION - PE0111(2) - Fr., Soph., Jr., Sr. -1 sem., 1/2 cr. - An annual physician's written statement is required. This program is designed to provide physical education for the enrollees based on the specified limitations of each student. Emphasis will be placed on the awareness of one's capabilities and limitations, and the scope of activities in which the student may participate. Those students capable of participating in the regular program will be mainstreamed into appropriate activities.

ZERO HOUR PHYSICAL EDUCATION - PE1001(2) - Jr., Sr. - 1 sem., 1/2 cr. - The purpose of this class is to provide a student with opportunities to develop an individual level of fitness, acquire knowledge of physical fitness concepts, and improve personal fitness. This class will include strength training, cardiovascular fitness, speed training, team sports, and leisure sports.

STUDENT LEADER TRAINING PROGRAM - PE0311(2) - Jr., Sr. - 1 sem, 1/2 cr. - (Recommendation required) In peer tutor physical education, the focus is on team sports with a focus on personal fitness. Junior and senior peer partners will be matched up with a Life Skills Program student and rotate on a unit to unit basis. Peers will be responsible for assisting the student in learning and demonstrating the fundamental skills in each team sport. Units of activity may include: soccer, basketball, volleyball, softball, floor hockey, bowling, dance, and others. Students wishing to take this class should contact their P.E. teacher for a recommendation form.

DANCE ARTS - PE4411(2) - (Co-Ed Elective)- Jr., Sr. - 1 sem., 1/2 cr.- Students will develop the knowledge, understanding and skills of dance as an art form through dance performance. Basic forms of dance, fitness and cardiovascular development are taught for the beginner and advanced learner. Students will learn and develop locomotor & non-locomotor combinations, sequences & choreographed dances.

Semester Themes:

Dance of the Decades- (1900-Present) Flappers, Jitterbug, Swing, Disco, MJ, Boy Bands, HipHop, etc.

Dance Around the Worlds- Philippines, Africa, India, Germany, Italy, Poland, Mexico, Israel, USA

SYTYCD/DWTS- Tap, Ballet, Jazz, Hip Hop, Tango, Cha Cha, Salsa, Merengue, Waltz, Swing
Movies/Musicals & Videos- Hairspray, Thriller, Beat-It, Footloose, High School Musical, K-pop!

BODY SCULPTING - PE3911(2) – Jr., Sr. – 1 sem., 1/2 cr. - This course is a great mixture of Cardio, Strength and Functional Fitness. Using a wide variety of cross training methods you will receive a couple days of cardiovascular conditioning the form of Kickboxing, Hiit Training, Interval Station Work, Tabatas and Speed Ladder / Rope work. This Cardio training will be mixed with Strength and Body Sculpting course work such as Pilates, Yoga, Definition (Free Weights) and Functional Strength Training Core Stability and TRX station work. You will be fit like never before!! Geared toward all fitness levels – modifications will be given to suit the needs of beginning to advanced exercisers.

CIRCUS STUNTS - PE4011(2) - Jr., Sr. – 1 sem., 1/2 cr. - Looking for a unique and creative way to stay healthy and fit – Circus Stunts is the class for you. Using principles of Functional Strength Training and Teambuilding as a building foundation, students will be asked to demonstrate an understanding of basic tumbling and cooperative activities and lifts. Starting with individual work and advancing to group team work, students will be asked to combine stunting skills, rolls, human pyramid building in to a season ending team performance. Students will learn how to juggle, hoola hoop, jump rope, balance on a roller boards and walk on stilts – these are just some of the skills practiced and developed in class. Try something new and talk about it for a lifetime!

SELF DEFENSE – PE3411(2) - Jr., Sr. – 1 sem., 1/2 cr. - This course will provide a terrific introduction to Self Defense strategies, skills and personal safety practices that will work for a lifetime. Many topics are addresses in discussion, lecture and practice. Students will review case studies and discuss current self-defense issues and topics. Strikes, kicks, elbows, knees, grabs/holds, choke defense, distract and attack strategies will be introduced and practiced to elude an attacker. Development of muscle strength, muscular endurance and agility of fast strikes and kicks will be emphasized. Speed work will be developed via agility ladders, boxing, stairs and ropes.

TEAM SPORTS I – PE3311(2) - Jr., Sr. – 1 sem., 1/2 cr. - This class is designed for boys interested in competing in team sports. Emphasis will be placed on cardiovascular development, strength development, knowledge of the rules, improvement of basic skills and concentration on teamwork and strategies. Additionally, students will learn concepts associated with strength training and periodization as they will spend two days per week in the weight room.

There will be a strong emphasis on cardiovascular and general fitness development; students' physical fitness levels will be evaluated annually. Grades are based upon daily participation and activity, fitness, and knowledge and understanding.

Sports Included are as follows:

*Touch Football	*Volleyball	*Speedaway	*Team Handball
*Softball	*Badminton	*Basketball	

TEAM SPORTS II – PE4311(2) - Jr., Sr. – 1 sem., 1/2 cr. - This class is designed for girls interested in competing in team sports. Emphasis will be placed on cardiovascular development, strength development, knowledge of the rules, improvement of basic skills and concentration on teamwork and strategies. Additionally, students will learn concepts associated with strength training and periodization as they will spend two days per week in the weight room.

There will be a strong emphasis on cardiovascular and general fitness development; students' physical fitness levels will be evaluated annually. Grades are based upon daily participation and activity, fitness, and knowledge and understanding.

*Touch Football	*Volleyball	*Speedaway	*Team Handball
*Softball	*Badminton	*Basketball	

HEALTH - HE1011(2) - Fr. – 1 sem, 1/2 cr. -

Course Description: Students will focus on the promotion of a healthy lifestyle through knowledge gained in the following units of study: nutrition, disease prevention, emotional health, misuse and abuse of drugs, human sexuality. Other areas of focus may incorporate stress management, death and dying, first air, and CPR/AED training.

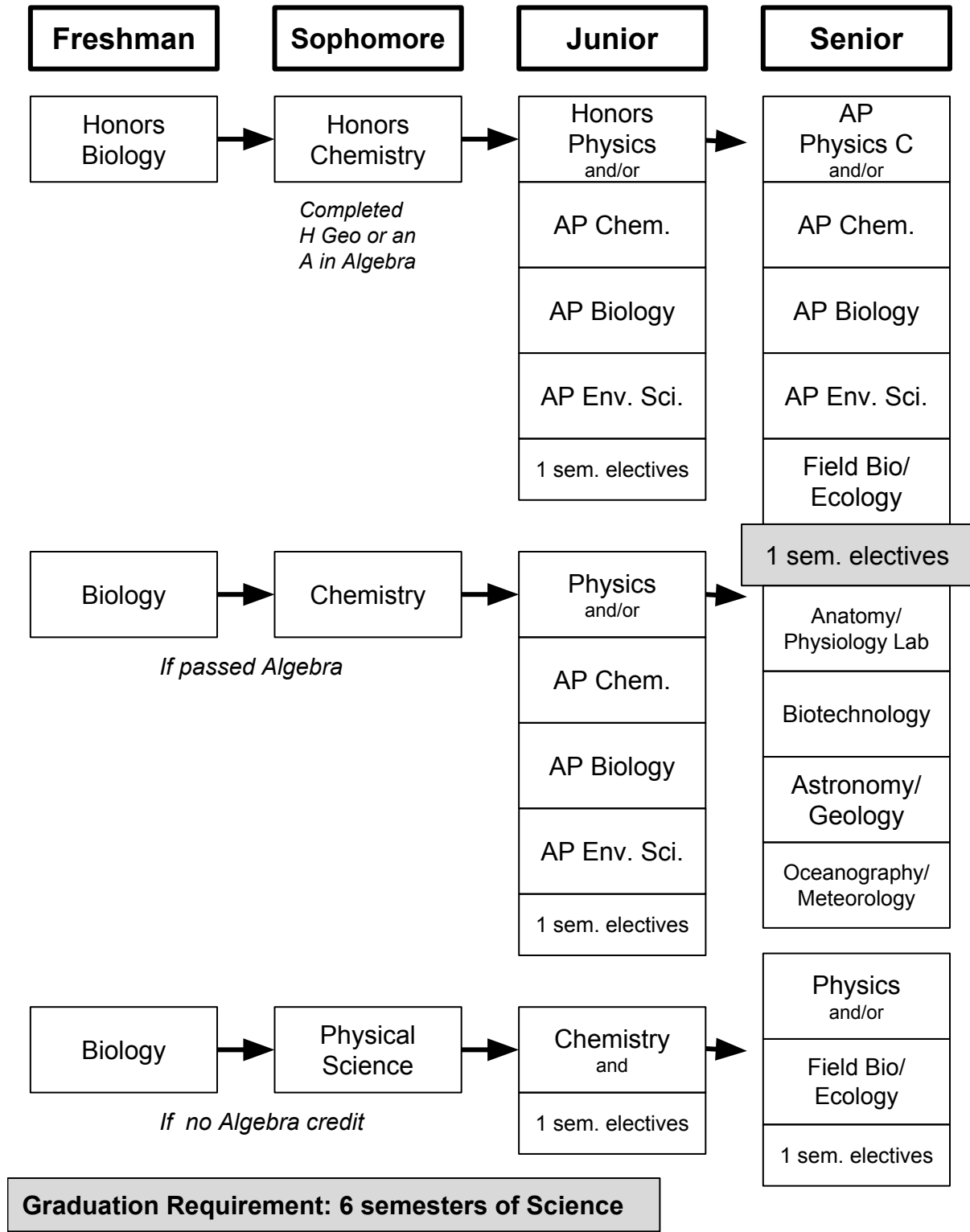
Common Assessment: Students enrolled in Health Education will complete a common district assessment at the end of the semester showing their knowledge and understanding regarding nutrition, disease prevention, emotional health, misuse and abuse of drugs, and human sexuality.

All students shall be permitted to participate in physical education classes that correspond with their gender identity and/or in ways that make them feel safest and most included.

Students may enroll in physical education classes that correspond with their gender identity, physical education classes that correspond with their sex assigned at birth, or physical education classes that are not gender-specific.

The student's Gender Support Coordinators and, if convened, Gender Support Team shall work with the student to determine the student's placement. In this process, they can engage the physical education staff once they have received authorization from the student.

Glenbard North Science Department



SCIENCE

BIOLOGY - SC2011(2) - Fr. - 1 yr., 1 cr. - This course presents an introduction to living organisms, how they function, and how they interact in the biosphere. Included are topics such as: Scientific method, biochemistry, genetics, evolution, cells (structure, division, and energy usage), ecology and exploration of the various kingdoms (including some dissection). Biology is aligned with the Next Generation Science Standards.

BIOLOGY H - SC2021(2) - Fr. - 1 yr., 1 cr. - Placement is based on PSAT 8/9 assessment scores and the recommendation of 8th grade teacher and the Science Department Chairperson. Honors Biology focuses on the major themes of life. Topics of study include cell structure and function, genetics, evolution, biochemistry, ecology and body systems. Laboratory investigations are an integral part of the student experience including animal dissection. Students who have not completed Algebra should complete Algebra in summer school or they may be eligible for Integrated Algebra and Geometry (based on PSAT 8/9 scores).

PHYSICAL SCIENCE - SC1111(2) - Soph., Jr. - 1 yr., 1 cr. - Prerequisite: Biology. Physical Science is a lab-based course which provides comprehensive practice and assessment of science skills. While using the scientific method, emphasis is placed on problem-solving, measuring, analyzing data and higher-order thinking skills such as inferring, questioning, designing experiments and drawing conclusions. Students will learn the fundamentals of matter, including chemical and physical properties, phases of matter, and types of matter. Students will have a basic understanding of forces, motion, electricity and magnetism. Studies will also include Earth and Space science.

CHEMISTRY - SC3311(2) - Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Algebra and 1 year of Biology. Chemistry is a course that deals specifically with the nature of matter. Through lecture, laboratory activities and demonstrations, students will improve their ability to observe accurately, organize information effectively, become adept at making valid conclusions, and improve their problem-solving skills. Special emphasis is placed on quantitative problem solving. Topics include: (1) atomic theory and structure, (2) the properties of matter and how matter changes, (3) thermodynamics and equilibrium, (4) acid-base chemistry, and (5) reaction kinetics. This is a lab-based course that is aligned with Next Generation Science Standards.

CHEMISTRY HONORS - SC3021(2) - Fr., Soph. - 1 yr., 1 cr. - Prerequisite: Geometry, or (an A in Algebra) Biology or Biology H. This course deals specifically with the nature of matter and the type of changes that matter can undergo. Topics covered will include atomic theory, thermodynamics, equilibrium, kinetics, acid-base, electrochemistry, and periodic properties. Chemistry Honors has a strong laboratory component designed to supplement each topic. Completion of this course prepares students to take AP Chemistry. This course is designed for college-bound students who are interested in medical, science or math careers.

PHYSICS - SC4011(2) - Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Chemistry and concurrently taking Algebra 2 with Trigonometry or higher. This course presents the subject not as a body of facts, but rather as a continuing process by which we seek to understand the nature of the physical universe. Emphasis is placed on logical and mathematical analysis of theoretical and experimental situations. The concepts of physics are investigated and discovered in the laboratory followed by problem solving and graphical analysis. Among the topics studied are: measurement, motion, energy, Newton's Laws, light, waves, sound, electricity and magnetism.

PHYSICS H - SC4021(2) - Jr. - 1 yr., 1 cr. - Prerequisite: Chemistry or Chemistry Honors, concurrent with Pre-Calculus Honors, Pre-Calculus or higher. This course is a laboratory oriented course designed to give the student an overview of various areas of the physical universe. The laboratory experience is designed to permit the student to inquire into the nature of physical law, a process which is transferable to any discipline. The student then applies these physical principles to in depth problem solving. Topics covered in this course include kinematics mechanics, light waves, electricity and magnetism, and atomic structure. This course is intended as an honors course for juniors and seniors.

ANATOMY AND PHYSIOLOGY - SC4313 - Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Biology. This science semester course introduces students to the fundamental concepts of human anatomy and the inner workings of the body. An understanding of key concepts about the body, rather than rote memorization, is emphasized. The book, CD-ROM, web sites, labs and the cat dissection, provide students an opportunity to explore the fascinating world of human structure and function.

BIOTECHNOLOGY - SC4813 - Jr., Sr. - sem., 1/2 cr. - Prerequisite: Biology, Chemistry or Chemistry H (may be taken concurrently). This science semester course is a comprehensive class that introduces high school students to various biotechnology concepts. The ability to use and understand advanced laboratory equipment, new science concepts and career exploration will be emphasized throughout the semester. Some of the topics covered include: DNA Science (Forensics), Microbiology, Pharmaceuticals, Genetic Disorders, Diseases and Cancer Research.

FIELD BIOLOGY & ECOLOGY - SC4111(2) - Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Biology. Ecology is the study of the relationships among plants, animals and their environment. In this course, the student will study ecological concepts (communities, food webs, succession, etc.) and man's relationship to the environment. Students will learn to identify the common vertebrates and invertebrates of the DuPage County area. Several field trips will allow the student to study first hand pond, stream, forest and prairie ecosystems. The skills necessary for the collection, analysis and the reporting of data are emphasized.

GEOLOGY AND ASTRONOMY - SC4613 - Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: One full year of science and an algebra equivalent course. This semester long lab-based course will introduce students to the study of nonliving earth systems, including plate tectonics, rocks and minerals and field geology, as well as the study of the universe. The astronomy segment will introduce students to astronomy within our solar system, as well as deep space astronomy. Geology and Astronomy pairs with Oceanography and Meteorology to form a yearlong earth science course.

OCEANOGRAPHY/METEOROLOGY - SC4713 - Jr., Sr. - 1 sem - 1/2 cr. -

Prerequisite: One full year of science and an algebra equivalent course. This course focuses on the science behind the ocean, weather, and the connections between these two areas of science. Students will study the atmosphere and its effects on our weather, understand how to read and interpret weather data, and connect the physical and chemical properties of water to our weather and life on Earth. Oceanography and Meteorology pairs with Geology and Astronomy to form a yearlong earth science course.

AP BIOLOGY - SC5131(2) - Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Biology/Biology H and Chemistry/Chemistry H (Concurrent with Chemistry H by DC approval). This course is a college-level approach to biology, building on the understanding of biology gained in Biology or Honors Biology. The class is designed to emphasize problem solving and inductive and deductive thinking in a laboratory setting. Students will do lab work in metabolism respiration, photosynthesis, taxonomy, comparative anatomy, morphology, ecology, and evolution. Students completing the course are expected to take the AP Biology examination which may result in the awarding of college credit and/or advanced placement in biological sciences at the undergraduate level.

AP ENVIRONMENTAL SCIENCE - SC5141(2) - Soph., Jr., Sr. - 1 yr., 1 cr.-

Prerequisite: Biology/Biology H and current enrollment in Chemistry (or higher). This is a course that will provide students with the scientific principles, concepts and methodologies required to understand the interrelationships of the natural world, to identify and analyze environmental problems both natural and human-made, to evaluate the relative risks associated with these problems, and to examine alternative solutions for resolving or preventing them. Environmental science is multidisciplinary: it embraces diverse topics such as energy conversion, biogeochemical systems, and the development and management of sustainable systems. Field work, data analysis, and a laboratory component, complement the readings and discussions in class. Students in AP Environmental Science are expected to take the AP exam in May.

AP CHEMISTRY - SC5031(2) - Jr., Sr. - 1 yr., 1 cr. - Chemistry/Chemistry H and Algebra 2 with Trigonometry. Physics/Physics H is usually taken concurrently. This is an enrichment course building on concepts gained in the first year of Chemistry. In addition, the course follows those objectives outlined in the standardized AP curriculum and, therefore, approximates college level general chemistry. Laboratory experiences are emphasized in exploring topics, which include analytical chemistry, kinetics, thermodynamics, oxidation-reduction, chemical equilibrium, and acid-base chemistry. Advanced concepts in chemical bonding, atomic theory, and introductory organic chemistry are also covered. Successful completion of this course will qualify the student to take the AP examination which can result in the awarding of college credit and/or advanced placement at the undergraduate level. Students in AP Chemistry are expected to take the AP exam in May.

AP PHYSICS C MECHANICS ONLY - SC5231(2) - Sr. - 1 yr., 1 cr. - Prerequisite: Prequisite: Physics or Physics H, Calculus (can be taken concurrently), Noncalculus students may enroll with permission of Department/Instructor. - This course follows the advanced placement level C syllabus, the university-level general physics course taken by math, science and engineering majors. Emphasis is placed on problem- solving in mechanics. Laboratory work involves in-depth experiments in the above mentioned area. Depending on time constraints, successful completion of this course should qualify the student to take the AP examination which can result in the awarding of college credit and/or advanced placement at the undergraduate level. Students in AP Physics C are expected to take the AP exam in May.

Core Coursework

Year	Regular	Honors/AP**
9	World History	World History Honors**
10	U.S. Government & Politics (sem) Contemporary World History (sem)	AP European History AP Human Geography
11	U.S. History American Studies	AP U.S. History
11/12	Electives American Law 1 (sem) Latin American History (sem) Sociology (sem) Psychology 1 (sem) Psychology 2 (sem) Economics (sem)**	Electives AP U.S. Government and Politics (sem) AP Psychology AP Macroeconomics (sem) * Humanities Honors*** AP Human Geography**** AP European History AP Seminar *****

Sem These are semester courses.

* Both Economics and AP Macroeconomics satisfy the consumer education graduation requirement.

** A student's placement in World History Honors is based on the PSAT 8/S score as well as the recommendation of the 8th grade teacher. Students requesting a level change from regular to honors must receive the approval of the Social Studies Department Chairperson.

*** In order to be accepted into the Humanities course, students must complete an application.

**** AP Human Geography is listed as a sophomore level course, but it is also recommended for juniors and seniors who are interested in taking their first AP course or are interested in the course topics.

***** AP Seminar qualifies for elective credit; not Social Studies credit.

SOCIAL STUDIES

All students are required to earn three credits in Social Studies for graduation. It is strongly recommended that courses in the global studies be taken by freshmen and sophomores. The following courses are included in the global studies program: World History, World History Honors, Contemporary World History, AP Human Geography and AP European History. Students are also required to take a semester course in government in order to graduate; students may take U.S. Government and Politics (during their sophomore year) or AP U.S. Government and Politics (during their junior or senior year) to satisfy this requirement. U.S. History is a required course for juniors. Students may also take Economics or AP Macro Economics to satisfy the Consumer Education requirement for graduation. Finally, Social Studies also offers students an opportunity to explore various disciplines in the Social Sciences by selecting from a variety of elective courses. The Illinois Board of Higher Education suggests that high school students take six semesters of social studies for admission to most Illinois public universities.

FRESHMAN COURSE OPTIONS

WORLD HISTORY - SS1211(2) - Fr. - 1 yr., 1 cr. - World History studies the diverse cultures of the world as well as significant events from the first civilizations to the modern age so that students may better appreciate the story of humankind. By analyzing the contributions of past civilizations and investigating key periods in history, students can better understand the modern world. The course utilizes many primary and secondary sources to develop a global perspective and to foster growth in reading, writing, critical thinking, and geography skills. This course fulfills District 87's global studies recommendation.

WORLD HISTORY HONORS - SS1221(2) - Fr. - 1 yr., 1 cr. - Prerequisite: Placement is based on PSAT 8/9 scores and the recommendation of 8th grade teacher and the Social Studies Department Chairperson. World History Honors chronicles human development from the earliest civilizations through the major conflicts of the first half of the 20th Century. By analyzing the political, economic, and social institutions of Western and non-Western societies as well as key historical events, students will better appreciate the diversity and development of the modern world. Using both primary and secondary sources, students will be challenged to develop their critical and creative thinking skills as well as their research, reading, and writing skills. This course goes into greater depth, moves at a faster pace, and presents students with more challenging reading and writing assignments. World History Honors will provide students with the necessary skills and knowledge to pursue AP/honors level courses in Social Studies. This course fulfills District 87's global studies recommendation.

SOPHOMORE COURSE OPTIONS

UNITED STATES GOVERNMENT AND POLITICS - SS4314 - Soph., Jr., Sr. - 1 sem., 1/2 cr. - Students in U.S. Government and Politics will begin their study by examining classical political philosophies and explore the practical operations of government at the local, state, and national levels. Students will be encouraged to think critically about the role of individual citizens in the political process and are expected to engage in activities which involve active citizenship both in and outside of the classroom. State of Illinois and Glenbard District 87 Requirement: Successful completion of this course fulfills the civics requirement for graduation. State Requirement: A passing grade on the U.S. and Illinois Constitution exam is required for graduation.

CONTEMPORARY WORLD HISTORY - SS2011(2) Soph. – 1 sem., 1/2 cr. - Contemporary World History focuses on the modern world by investigating significant political, economic, and social developments since 1945. Students will explore the Cold War and the collapse of the Soviet Union, the rise of modern China, conflicts in the Middle East, and issues facing sub-Saharan African countries. By studying the world since 1945, students develop a historical perspective while analyzing current trends in today's world systems including global interdependence, terrorism, nuclear diplomacy, and human rights concerns. Students will use a variety of current events sources to further develop the reading, writing, and critical thinking skills introduced in their freshman World History course. This course fulfills District 87's global studies recommendation.

AP HUMAN GEOGRAPHY - SS5331(2) - Soph., Jr., Sr. - 1 yr, 1 cr. - AP Human Geography studies human behavior across the Earth. Its purpose is to introduce students to the systematic study of patterns and processes that have shaped human understanding, use, and alteration of Earth's surface. Students employ spatial concepts and landscape analysis to examine human social organization and its environmental consequences. They also learn about the methods and tools geographers use in their science and practice. Major units of study include population, migration, culture, religion, ethnicity, agriculture, and urban patterns. This course prepares students for the AP exam in May. Students are expected to take this exam. This course fulfills District 87's global studies recommendation. **While this course is listed as a sophomore level course, APHG is also recommended for juniors and seniors who are looking to take their first AP course and are interested in the course topics.**

AP EUROPEAN HISTORY- SS5031(2) - Soph., Jr., Sr. - 1 yr., 1 cr. - The AP European History course focuses on developing students' understanding of European history from approximately 1450 to the present. The course has students investigate the content of European history for significant events, individuals, developments, and processes in four historical periods. Students in the course will also explore European history in the context of five themes (interaction of Europe and the world; poverty and prosperity; objective knowledge and subjective visions; states and other institutions of power; and individual and society) so that students can make connections among historical developments in different times and places. Furthermore, students will develop and use the same thinking skills and methods (analyzing primary and secondary

sources, making historical comparisons, chronological reasoning and argumentation) employed by historians when they study the past. Overall, by understanding some of the principle themes in modern Western history and by analyzing historical evidence and interpretation, students will be asked to express their historical understanding through writing. This course prepares students for the AP exam in May; students are strongly encouraged to take this exam. This course fulfills district 87's Global Studies recommendation. **Summer reading is required for this course.**

JUNIOR COURSE OPTIONS

U.S. HISTORY - SS3011(2) - Jr. - 1 yr., 1 cr. - U.S. History is a survey course covering the history of the United States from the Colonial Period through the 20th Century. By examining the political, social, and economic foundations, students will better understand the current developments that affect their lives. Students will expand their reading, writing, speaking, and critical thinking skills as they analyze primary and secondary historical materials and evaluate the ideals upon which the United States was built. **Successful completion of this course fulfills the U.S. History graduation requirement.**

AMERICAN STUDIES - SS3111(2) - Jr. - 1 yr., 1 cr. - American Studies is an interdisciplinary, team-taught course which meets for a double period; students can earn credits for English 3 and U.S. History. American Studies explores the relationship between history and literature, providing a unique experience in the culture and history of the United States. The course will emphasize the use of primary source documents including art, music, and literature. American Studies is a project-based course that encourages students' creativity and responsibility for their own learning. Students will take several field trips in order to enhance their experience. Successful completion of this course fulfills the U.S. History graduation requirement.

AP U.S. HISTORY - SS5131(2) - Jr. - 1 yr., 1 cr. - The AP U.S. History course covers U.S. history from 1491 to the present and focuses on seven themes which include American and National Identity; Migration and Settlement; Politics and Power; Work, Exchange, and Technology; America in the World; Geography and the Environment; and Culture and Society. Students in APUSH will also develop historical thinking skills which include chronological reasoning, comparing and contextualizing, crafting historical arguments using historical evidence, and interpreting and synthesizing historical narrative. These skills will allow students to reason historically about continuity and change over time and make comparisons among various historical developments in different times and places. This course prepares students for the AP exam in May; students are strongly encouraged to take this exam. **Summer reading is required for this course. Successful completion of this course fulfills the U.S. History requirement for graduation.**

ELECTIVE COURSE OPTIONS

LATIN AMERICAN HISTORY - SS3213 - Jr., Sr. - 1 sem., 1/2 cr. - Latin American History is a semester elective course that explores the Latin American experience from the pre-colonial period to contemporary 21st Century America. Students will explore Latin America's rich diversity that includes Mesoamerica, South America and the Caribbean. This exploration includes a cultural and historical perspective to better understand the experiences and processes that have shaped the region. Students will reflect on identity, independence movements, revolutions, Latin America's role in the world, and immigration issues based on analysis of primary sources such as films, music, literature, art and historical documents along with secondary sources. Students will discuss the multiple and changing identities of Latinos in America and analyze key events in 20th century Latin American to understand the context of the region in the world.

AMERICAN LAW - SS4613 - Jr., Sr. - 1 sem., 1/2 cr. - This course emphasizes the effects of the legal system on contemporary society and how the legal system functions at the federal, state, and local levels. Students will explore Supreme Court cases and examine criminal and civil law, search and seizure, and criminal procedure. This course includes hands-on activities to investigate various roles in the legal system. At the end of the semester (time permitting) a current and topical issue is individually researched and reported on by students. Students may have opportunities to meet, question and discuss legal issues with lawyers, judges and law enforcement officers. Individual judgements are respected, and classroom debate is encouraged. The development of skills in critical thinking and writing will be developed. **This course is only offered at Glenbard North and South.**

AP UNITED STATES GOVERNMENT AND POLITICS - SS5033 - Jr., Sr. - 1 sem., 1/2 cr. - Students develop a critical perspective on politics and government in the United States. They study general concepts used to interpret American politics, and they examine various institutions, groups, beliefs, and ideas which make up the American political reality. Students focus on the philosophical basis for the Constitution, citizens' political beliefs and behavior, political parties and interest group, the institutions and processes of national government, and civil rights and civil liberties. This course prepares students for the AP exam in May. Students are strongly encouraged to take this exam. **State of Illinois and Glenbard District 87 Requirement: Successful completion of this course fulfills the civics requirement for graduation. State Requirement: A passing grade on the U.S. and Illinois Constitution exam is required for graduation.**

SOCIOLOGY - SS4113 - Jr., Sr. - 1 sem., 1/2 cr. - Sociology is the study of people in groups. Students will learn the structure, function, and behavior of human society. Special emphasis is placed on the interaction between society and its members and how the individual is affected by society. Topics include social institutions, gender issues, marriage and the family, adolescence, the adult world, mass media, and deviance, discrimination and inequality. Students will design and conduct a social research project.

ECONOMICS - SS4213 - Jr., Sr. - 1 sem., 1/2 cr. - This course introduces students to fundamental economic concepts, the basic principles of capitalism, and personal finance. Students study supply and demand, stocks and bonds, mutual funds, interest rates and banking, unions and labor, taxes, monetary and fiscal policy, and international trade. Students will learn how to create a monthly budget and how to effectively build an investment portfolio. They also gain an overview of how our society and government make decisions which affect the future of our nation. **This course satisfies the consumer education requirement.**

AP MACROECONOMICS - SS5433 - Jr., Sr. - 1 sem., 1/2 cr. - The purpose of this course is to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Concepts such as supply and demand, unemployment, inflation, gross domestic product are understood in light of fiscal policy, monetary policy, and foreign exchange rates by exploring the role of the Federal Reserve Bank. Students engage in decision making processes to create an environment where high employment, stable prices and a higher standard of living are achievable. This course prepares students for the AP exam in May. Students are expected to take this exam. **This course also satisfies the consumer education requirement.**

PSYCHOLOGY 1 - SS4013 - Jr., Sr. - 1 sem., 1/2 cr. - Psychology is the study of human behavior and mental processes. Students investigate the scientific explanation for the “how” and “why” of behavior, particularly of their own behaviors. Topics studied include learning process, emotional development, the physiology of brain and body development, learning and memory, personality, sensation, perception, psychological disorders, and other factors which affect individual human development.

PSYCHOLOGY 2 - SS4012 - Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Successful completion of Psychology 1. This course is a continued examination of human behavior and mental processes. The course will enable students to view behavior more objectively by studying additional topics and principles in psychology. Topics include altered states of consciousness, human development, stress and conflict, and abnormal psychology. This course also uses many hands on activities to enhance one’s understanding of explored topics. **This course is only offered at Glenbard North.**

AP PSYCHOLOGY - SS5231(2) - Jr., Sr. - 1 yr., 1 cr. - AP Psychology is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the basic concepts and principles of psychology such as sensation and perception, human development, learning and cognition, as well as personality, social, psychological disorders. They also explore the history of psychology as well as ethics and research techniques. This course prepares students for the AP exam in May. Students are expected to take this exam.

HUMANITIES HONORS - SS4021(2) - Sr. - 1 yr., 1 cr. - Humanities is the study of the art, literature, music, history, philosophy and religions of both Eastern and Western civilizations from ancient civilization to modern society. Students will be led to investigate, question, and discuss past human achievements as illuminations of the present. Field trips to cultural events will be essential parts of the curriculum, along with independent study projects. Students pay a portion of the field trip costs. The course is designed to give students a broad cultural background before they begin to specialize in college level work, and to give students the opportunity to develop reasoning skills and to practice independent thinking. This is a college preparatory course which offers honors Social Studies credit. **Students must complete an application in order to be accepted into the course.**

AP SEMINAR - SS4023 - Jr., Sr. - 1 elective cr. - AP Seminar will empower students to think critically about contemporary societal issues. In previous years, these issues have included: wealth and poverty, education, race, and the role of the government. While exploring these various topics, students will develop inquiry and research skills through reading, writing, reasoning, and collaboration. These inquiry skills will be exercised when completing a team project, an individual project, and the AP exam. For the team and individual research projects, students have the opportunity to select areas for research that they are passionate about. While this course is open to seniors, AP Seminar is part of a two-year AP Capstone program which includes AP Research, the senior component that counts for English credit. (The course description for AP Research is listed in the English section.) Juniors who successfully complete AP Seminar have the opportunity to continue in AP Research. By joining the AP Capstone program, students have the privilege of listing their pursuit of the AP Capstone Diploma on their common application for college under the "Honors and Distinctions" section. Additionally, they have the opportunity to earn college credit for both AP Seminar and AP Research.

SPECIAL EDUCATION

The Pre-requisite for enrollment in the courses listed below is based on eligibility for special education services. Students are staffed into courses based on recommendations in their Individualized Education Plan (IEP). Course availability is dependent strictly on student need as documented in each student's IEP. Not all courses are offered every year.

EXTENDED ENGLISH 1- EN0051(2) - Fr. - 1 yr, 2 cr. - This double period English course is designed to support the most at-risk reader. Students will be immersed in a standard English program emphasizing vocabulary acquisition, fluency, grammar, writing, and communication skills. Importance is placed on intensive reading strategies in order to accelerate reading growth toward grade level proficiency. **Prerequisite: For students reading significantly below grade as determined by standardized reading test scores and IEP recommendation.**

ENGLISH 1 - EN1051(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Approval of Special Education Department. This course is designed for those students who require special assistance in reading and composition. Composition work focuses on improvement of sentence structure, mechanics of writing, and the construction of simple paragraphs. Reading for inferences, improving vocabulary, and developing study skills are also emphasized. This course fulfills the English requirement.

ENGLISH 2 - EN2051(2) - Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Approval of Special Education Department. English 2 is an activity-concept course. It gives the students experiences in all language skills: listening, speaking, reading and writing. The students will read a collection of short anthology selections and a short novel. This course fulfills the English requirement.

ENGLISH 3 - EN3051(2) - Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Approval of Special Education Department. This course emphasizes reading and writing. Novels and short stories are read, with the emphasis on developing inference-making skills. Composition objectives include improvement of sentence structure, grammar and usage as well as construction of unified paragraphs. This course fulfills the English requirement.

ENGLISH 4 - EN4051(2) - Sr. - 1 yr., 1 cr. - Prerequisite: Approval of Special Education Department. This course is designed to emphasize literature and focuses on making students readers "for life". This course will expose students to a wide variety of novels and short stories that are of high interest to young adults. This course fulfills the English requirement.

SPEECH - SP1053 - Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Approval of Special Education Department. This course deals with improving the Special Education students' ability to communicate effectively. Topics explored include: informational, persuasive, demonstrative speeches, verbal and non-verbal communication, oral interpretation and mass communication. This course fulfills the speech requirement. There will be a \$5.00 fee for performances.

STUDY METHODS - EN9951(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr., 1 cr. - Prerequisite: Approval of Special Education Department. Basic study skills are taught and reinforced. Time management, outlining, note-taking and test-taking are some examples of skills taught in this course. Daily study time is provided for practical application of study skills.

WORLD HISTORY - SS1151(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. – Prerequisite: Approval of Special Education Department. World History is the study of the human cultures throughout the world developing from the first civilizations to the 20th Century. The story of how humankind organizes culturally and establishes political, economic, and social institutions is the central part of this course. Students will develop and use the skills of reading, writing, critical thinking, and collaboration. World History should give students an appreciation of the accomplishments of other people and cultures, as well as a better understanding of their own culture. The course utilizes both primary and secondary, narrative and non-narrative sources to develop a global perspective and to foster growth in reading and critical thinking. This course is recommended for those students willing to mutually respect differing cultures and viewpoints.

CONTEMPORARY WORLD HISTORY - SS2053 - Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Approval of Special Education Department. During this course, students investigate major political, economic, and social developments in the post-1945 world in order to understand the modern world. Major themes include Modern Europe and the relationship between the United States and Russia, the rise of China as a global power, and conflict and crisis in central Asia and the Middle East. This course is an excellent choice for those students who are creating a program of study that includes 3-4 years of Social Studies credit. This course fulfills the Global Studies recommendation.

U. S. GOVERNMENT - SS4353 - So., Jr., Sr., - 1 sem., 1/2 cr. - Prerequisite: Approval of Special Education Department. Students in American Government will study both the classical political philosophies, or ideas, and the practical operation of government at the local, State, and national levels. Specific areas of study will include the formulation of foreign and domestic policies, the operation of the executive, judicial and legislative branches and the political culture of the United States. The role of the individual in state, local, and federal government will be studied too. To this end, students will be able to roll-play and engage in simulations throughout the semester. These types of activities will help to make the course more relevant to young citizens and future participants in the political process. This course fulfills the constitutional requirement.

U.S. HISTORY - SS3051(2) - Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Approval of Special Education Department. A study of the development of our country from colonial America through the twentieth century wars. This course fulfills the U.S. History requirement.

PHYSICAL SCIENCE - SC1251(2) - Fr., Soph., Jr., Sr - 1 yr., 1cr. - Prerequisite: Approval of Special Education Department. Physical science is a lab-based course which provides comprehensive practice and assessment of science skills. While using the scientific methods, emphasis is placed on problem-solving, measuring, analyzing data and higher order thinking skills such as inferring, questioning, designing, experiments and drawing conclusions. Students will learn the fundamentals of matter, including chemical and physical properties, phases of matter, and types of matter. Students will have a basic understanding of forces, motion, electricity, and magnetism. Students will also learn about Earth, weather, and astronomy.

BIOLOGY - SC2051(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Approval of Special Education department. This course studies the similarities, differences and interrelationships of living things. Topics covered include the study of cells, biochemistry, reproduction, physiology, the diversity of plants and animals, heredity and evolution.

FIELD BIOLOGY & ECOLOGY - SC4151 - Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Ecology is the study of the relationships among plants, animals and their environment. In this course, the student will study ecological concepts (communities, food webs, succession, etc.) and man's relationship to the environment. Students will learn to identify the common vertebrates and invertebrates of the DuPage County area. Several field trips will allow the student to study first hand pond, stream, forest and prairie ecosystems. The skills necessary for the collection, analysis and the reporting of data are emphasized.

CONCEPTUAL CHEMISTRY – SC3051(2) - Soph., Jr., Sr. -1 yr., 1 cr. – Prerequisite: Approval of Special Education Department. This non-quantitative chemistry course is designed to develop a practical understanding of chemical concepts and applications. Students will explore selected topics of chemistry through lab activities, projects and discussion.

PHYSICS - SC 4351(2) - Soph., Jr., Sr., 1 yr., 1 cr. - Prerequisite: Recommendation by IEP team. This course will explore the process by which we seek to understand the nature of the physical universe. Emphasis is placed on logical and mathematical analysis of theoretical and experimental situations. The concepts of physics are investigated and discovered in the laboratory followed by problem solving and graphical analysis. Topics covered are measurement, motion, energy, Newton's Law, light, waves, sound, electricity and magnetism.

MATH CONCEPTS - MA0151 - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Approval of Special Education Department. This course is designed for students who need to work on developing greater fundamental basic math skills such as basic computation and math concepts and basic geometry. Course can be repeated for credit as designated by IEP. This course fulfills the math requirement.

PRE-ALGEBRA - MA0651(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Approval of Special Education Department. This course is designed for students to continue to build fundamental basic math skills and begin instruction in pre-algebra and geometric concepts. This class prepares students for Algebra. Course can be repeated for credit as designated by IEP. This course fulfills the math requirement.

ALGEBRA - MA1251(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Approval of Special Education Department. This course integrates the language and application of algebra with geometry, statistics, and probability. Problem solving is emphasized throughout the course. The content focuses on the application of algebraic skills in real-world situations. This course's curriculum also contains geometry content. Course can be repeated for credit as designated by IEP. This course fulfills the math requirement.

ALGEBRA 2 - MA3211(2) - Soph. - 1 yr., 1 cr. - Prerequisite: Algebra. Algebra 2 reinforces the concepts of Algebra and gives a more thorough understanding of the number system, of graphical representation, and of the function concept. The study of topics such as quadratic functions, complex numbers, matrices and determinants, and probability, gives the student increased computational skills, as well as ability to apply them to wider fields.

APPLIED MATH - MA3151(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Approval of Special Education Department. The focus of this class is using mathematic concepts taught to solve "real world" issues, such as managing your money, managing your expenses, and making financial decisions. Course can be repeated for credit as designated by IEP. This course fulfills the math requirement.

GEOMETRY - MA4051(2) - Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Approval of Special Education Department. This course is the study of points, lines, planes and their relationships. Polygons will be studied in detail, and formal proofs are emphasized. Algebraic skills will be strengthened and extended throughout the course. Course can be repeated for credit as designated by IEP. This course fulfills the math requirement.

CONSUMER MANAGEMENT - FC3151(2) - Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Approval of Special Education Department. This class is designed to teach students the essentials of establishing and maintaining a first home away from parents. Basic consumer skills: banking, credit, apartment leases, insurances, consumer purchases, and leisure activities will be examined. The foods unit in a laboratory setting covers basic nutrition, shopping, meal planning and meal preparation. A parenting/relationship unit includes basic child development and psychology of the family. This course fulfills the applied arts and consumer education requirement.

HEALTH - HE1051(2) - Fr., Soph., Jr., Sr. - 1/2 yr., 1/2 cr. - Prerequisite: Approval of Special Education Department. This course includes the study of individual growth and development, mental health, human sexuality, protection and promotion of health, disease, use of drugs, alcohol, and tobacco, body structure and function, nutrition, and first aid, and cardiovascular resuscitation. Health is computed into the student's grade point average. Satisfactory completion of this course is required of all students.

SPEECH ARTS

Required courses: All Glenbard students are required to satisfy the “Speech” requirement for graduation. This Speech requirement may come from any of the following courses: Acting, Forensics, Theatre or Speech. It is strongly recommended that this requirement be met as soon as possible, as the skills you will learn will help you in other classes and in life. A percentage of the grade in all courses is made up of performance activities. Students who are truly interested in becoming involved in the Speech Arts Department program are encouraged to take on Stagecraft or Acting as a freshman. Acting serves as a great introduction and leads in to many of the other courses in the Speech Arts Department listed below. Acting can also be repeated as many times as the student wishes during their high school career and at any time.

THEATRE

THEATRE - SP1023 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Develop the skills of an effective communicator through the art of theatre. You will learn about many aspects of the theatre world as you develop your performance skills through games and presentations. You will become more confident with your skills while you improve in various types of performances: improvisation, pantomime, playwriting, monologue and scene work. Most performance projects are collaborative in nature.

ACTING - SP2213 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Sharpening the actor’s ability to use his/her tools - body, voice and imagination - is the chief goal of this course. Every semester will focus on a different dramatic style, genre, or period of theatre history. Activities focusing on acting, play-writing, and production skills will help to build the theatre artist’s portfolio and resume. Some work in improvisation supplements the scene and monologue work. This course may be repeated each year, each semester for additional credit, as each semester, a different acting style will be explored. One semester of this class will satisfy the Speech requirement.

ACTING AND DIRECTING 1 - SP3011 - Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Passing grade in Acting or Department Chair/Instructor approval. Upper classmen who have had success and enjoyment in the Acting class can elect to take this course. Refine and sharpen skills in acting and directing to an even higher degree. Learn about college theatre programs. Explore employment opportunities in professional theatre. This course is offered first semester. This course is repeatable.

ACTING AND DIRECTING 2 - SP3012 - Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Passing grade in Acting. Higher levels of acting skills will be developed and the opportunity to direct scenes will be available. This course is offered second semester. This course is repeatable.

STAGECRAFT - SP2113 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Scene design, construction and painting are areas you will get to experience when you take Stagecraft, as well as lighting, sound effects, property construction and special effects. Find out how these parts come together as you work on the current theatre productions. This course is repeatable.

DESIGN FOR THEATRE - SP2613 - Soph., Jr., Sr. - (Students are encouraged to enroll the entire year for this class) - Students may choose to explore an overview of the design elements of the theatre or the student may take this course as an independent study of specialized interest through the functions and responsibilities of the various areas of theatrical design - scenery, lighting, sound, stage management, props, publicity or costumes. Emphasis is on the effective use of line, color, light and space in designing a concept that is both functional and artistic. This course is repeatable.

PUBLIC SPEAKING

SPEECH - SP1013 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - A variety of useful and interesting speech activities will be included. You will learn how to present yourself confidently before an audience and how to organize your thoughts through effective speech - writing techniques, research, as well as how to be poised and dynamic. Learn about words and body language, how to listen and evaluate what you hear and other daily communication needs, including how to effectively communicate in group settings requiring teamwork.

FORENSICS (Speech) - SP2313 - Soph., Jr., Sr. - 1 sem, 1/2 cr. - Students learn techniques to perform short stories, poetry, news, plays and speeches and practice each different style following the rules and techniques of competitive speech team activities. Many performances require memorization. In order to pass this course, students are required to participate in at least two speech competitions for every semester they are enrolled. This course is repeatable.

BROADCASTING

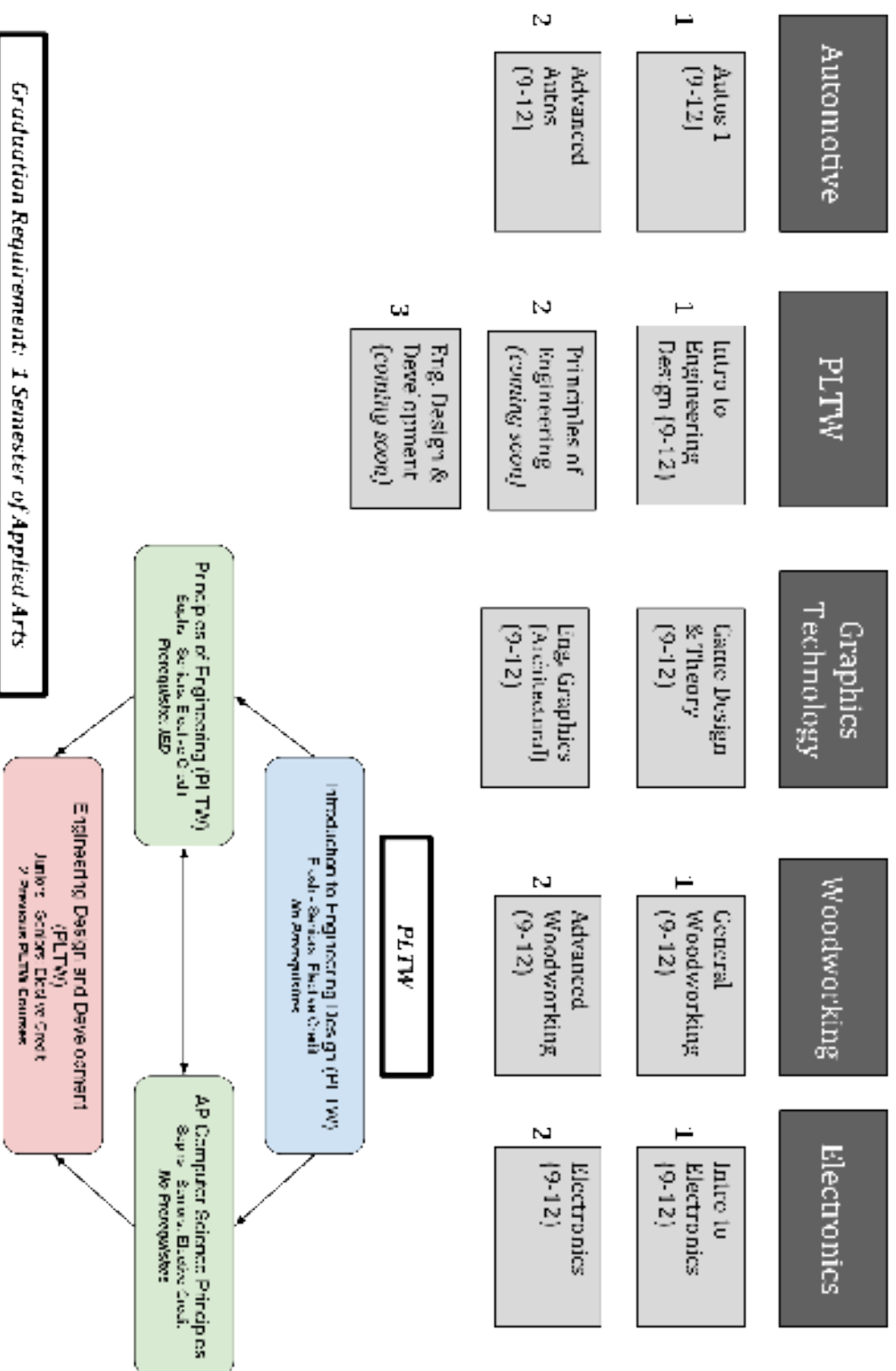
VIDEO PRODUCTION 1 - SP2413 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Students will produce their own video projects as they study videos' impact on modern society. Students will explore the functions of broadcast personnel and work with many types of equipment. Understanding video as a popular medium of entertainment, education, and advertising is a particular focus of the class. This course is repeatable.

VIDEO PRODUCTION 2 - SP2713 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - This course is for students who have already participated in Video Production 1 or have substantial knowledge and experience in filmmaking. We will explore more advanced cinematic techniques regarding cinematography, film direction, lighting, sound, and editing. This course will have access to more advanced filmmaking equipment and raise the level of production value for their work. Each student will explore their own particular style and filmmaking techniques. These students will also be presented with film opportunities for filming outside of class. This course is repeatable.

FILM STUDY - SP2513 - Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Speech, Theatre Forensics, or Acting. A recent major motion picture had its audience sit looking at a blank screen for one hour of its two hour run time. Which one was it? Find out by taking Film Study. Explore the medium of motion pictures from its historic, scientific, and artistic aspects. Watch numerous films ranging from classic silents starring Charlie Chaplin to modern epics as well. Other genres include horror, animation, comedy, and much much more! You will develop a greater appreciation of film as an art form. This course is repeatable.

TECHNOLOGY AND ENGINEERING

Technology & Engineering Courses



PROJECT LEAD THE WAY (PLTW)

INTRODUCTION TO ENGINEERING DESIGN (PLTW) - IT1511(2) - Fr., Soph., Jr., Sr., - 1 yr., 1 cr. - Prerequisite: Students should be comfortable with Algebra. Introduction to Engineering Design (IED) is a high school level foundation course in the PLTW Engineering Program. In IED students are introduced to the engineering profession and a common approach to the solution of engineering problems, an engineering design process. Utilizing the activity-project-problem-based (APB) teaching and learning pedagogy, students will progress from completing structured activities to solving open-ended projects and problems that require them to develop planning, documentation, communication, and other professional skills.

Principles of Engineering (PLTW) – IT _____ – So. Jr. Sr. – 2 sem, 1 cr
Prerequisite: IED. Coming soon

Engineering Design & Development – IT _____ – Jr. Sr. – 2 sem, 1 cr
Pre-requisite: IED; POE or AP Comp Sci or Department Approval. Coming soon.

AUTOMOTIVE

AUTOS 1 - IT2013 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - This is a consumer oriented course with the emphasis on auto preventive maintenance and minor repairs. It is appropriate for any student who will drive a car in the future and those who have a related career goal or interest. This is a lab course which provides hands-on activities. Topics studied include engines, tire and routine vehicle maintenance, insurance and legal issues are also included. Students are NOT required to bring a car to class.

ADVANCED AUTOS - IT2113 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Autos 1. In this course, students are introduced to modern diagnostics, operation and maintenance of automobiles. Units cover the major car systems: cooling, lubrication, fuel, brakes and small engine rebuilding. Engine Theory and brake operation are emphasized. Career opportunities and consumer information are also provided. This is a lab-based course with hands-on activities. Students are NOT required to bring a car to class.

ELECTRONICS

INTRODUCTION TO ELECTRONICS - IT1213 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Electronics drives all "high technology" and this course gives students a well-rounded background in the field of electronics. This course will be meaningful for all students but especially those planning a career in Physics, Engineering, Computer Science or any other technical field. This is a lab-based course focused on lab activities. Students will study basic electricity, electronic components, test equipment and complex electronic circuits. Students will utilize computers and other test equipment to design, trouble-shoot and test lab projects.

ELECTRONICS - IT2813 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Introduction to Electronics. This course explores alternating current electronics with text, lab, and project building experiences. Active A.C. components are studied, including: inductors, capacitors, transistors, and amplifiers. Additional study is provided in Solid State Electronics, which examines the operation of basic semiconductor devices in a circuit. Applications to digital logic are emphasized through laboratory experiments and project construction. Adders, half adders, flip-flops, and other computer components are studied. This course is ideal for those looking for careers in Electrical Engineering and Computer Science.

GRAPHICS TECHNOLOGY

GAME DESIGN & THEORY - IT2913 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. -

Prerequisite: C or better in Algebra. This course is designed for students who have an interest in game element development. The focus will be on gaming design concepts, such as beginner skills and techniques needed for character, scenery, and action development as well as information pertaining to collegiate options. Learn to use the most popular game design software. Students will gain an understanding about real-time 3D graphics programming.

ENGINEERING GRAPHICS 2 (ARCHITECTURAL) - IT2413 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: Introduction to Engineering Design. This course will focus on using Building Information Modeling (BIM) to design and create architectural drawings. This course should be included in the four-year plan of students who are interested in being an engineer, architect, drafter, technician or tool and die makers.

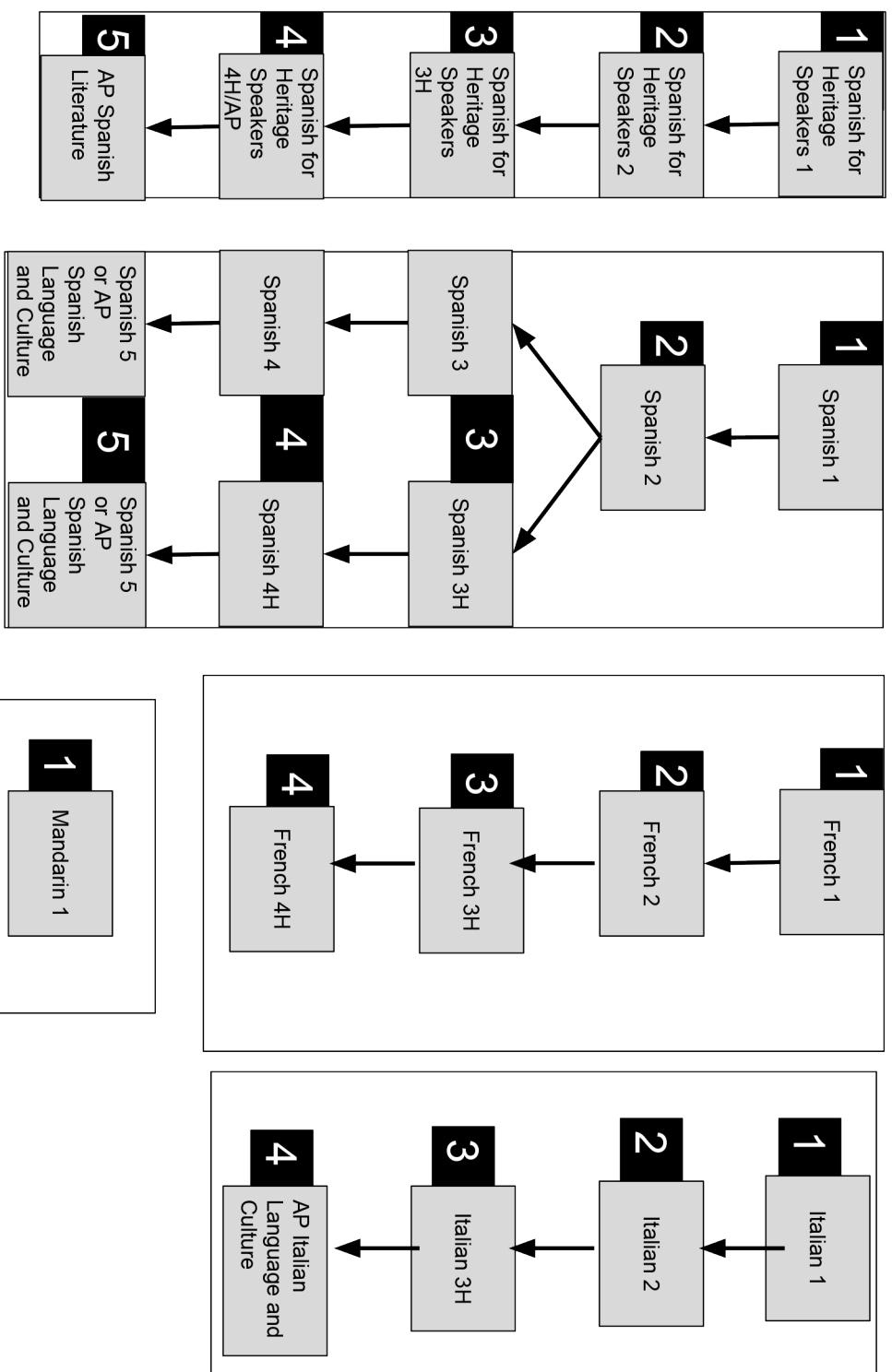
WOODWORKING

GENERAL WOODWORKING - IT1113 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - This course is appropriate for any student who enjoys working with wood or has a career goal related to construction, carpentry or manufacturing. Students will learn the safe operation of many power tools and use them to construct well designed projects, simulating industry. This course is required for entrance into the Technology Center of DuPage Building and Machining programs.

ADVANCED WOODWORKING - IT2513 - Fr., Soph., Jr., Sr. - 1 sem., 1/2 cr. - Prerequisite: General Woodworking. Students will work on advanced woodworking projects through safe use of tools and equipment. Review of safety principles and practices is an essential transition into planning layouts, blue print reading, drafting, the properties of various woods, jointing and fitting methods and applications, properties of glues and their applications, and the proper use of hand and power tools. Experiences in cutting, shaping, fitting, assembling and finishing wood products are carried through to installing hardware, such as hinges, catches and drawer pulls to include all steps of productions. Students who enroll for the second semester will be working on different projects than semester 1. This course can be repeated and earn additional credit.

WORLD LANGUAGES

World Languages Curriculum



WORLD LANGUAGES

The World Languages Department highly recommends that every college bound student begin or continue world language study in his/her freshman year. Many benefits can be derived from a four year sequence. Research has shown that each additional year of language study (3rd, 4th and 5th year) enhances ACT/SAT scores. Students entering the work force immediately after high school can also benefit from world language study. Before advancing to the next level, however, it is strongly recommended that a student earn a C or better in the language course.

FRENCH 1 - FL1011(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - This course is designed for students without prior exposure to the French language. This introductory course begins to explore the French language and culture through a variety of authentic resources. Students achieve novice proficiency in listening, speaking, reading, and writing. The teacher and the students are expected to speak French.

FRENCH 2 - FL2011(2) - Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: French 1. This course builds on the communicative skills developed in French 1. It continues to explore French language structures and culture using more advanced authentic resources. Students achieve intermediate-low proficiency in listening, speaking, reading, and writing. The teacher and the students are expected to speak French.

FRENCH 3H - FL3021(2) - Jr., Sr. - 1 yr., 1 cr. - Prerequisite: French 2, instructor's and department recommendation. This course applies the skills developed in French 1 and 2. It explores advanced French language structures and culture in depth. Students achieve intermediate-mid proficiency in listening, speaking, reading, and writing. This class is conducted entirely in French.

FRENCH 4H - FL4021(2) - Jr., Sr. - 1 yr., 1 cr. - Prerequisite: French 3H or instructor's and department recommendation. In this course students will expand their knowledge through a variety of media and cultural units utilizing authentic resources. Students will achieve intermediate-high proficiency in listening, speaking, reading, and writing. This class is conducted entirely in French. This course precedes AP French Language and Culture.

ITALIAN 1 - FL1511(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - This course is designed for students without prior exposure to the Italian language. This introductory course begins to explore the Italian language and culture through a variety of authentic resources. Students achieve novice proficiency in listening, speaking, reading, and writing. The teacher and the students are expected to speak Italian.

ITALIAN 2 - FL2511(2) - Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Italian 1. This course builds on the communicative skills developed in Italian 1. It continues to explore Italian language structures and culture using more advanced authentic resources. Students achieve intermediate-low proficiency in listening, speaking, reading, and writing. The teacher and the students are expected to speak Italian.

ITALIAN 3H - FL3521(2) - Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Italian 2.

This course applies the skills developed in Italian 1 and 2. It explores advanced Italian language structures and culture in depth. Students achieve intermediate-mid proficiency in listening, speaking, reading, and writing. This class is conducted entirely in Italian.

AP ITALIAN LANGUAGE AND CULTURE - FL5431(2) - Sr. - 1 yr., 1 cr.

Prerequisite: Italian 3 or Italian 3H and department recommendation. This course will explore the six overarching themes from the College Board in a variety of units. Students will be required to complete a selection of activities during the summer preceding the course. Students who successfully complete this course and the AP Italian Language and Culture examination may receive college credit and/or higher placement in college. This class is conducted entirely in Italian.

MANDARIN 1 - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Pre-requisite: none

This course is designed for students without prior exposure to the Mandarin language. This introductory course begins to explore the Chinese language and culture through a variety of authentic resources. Students achieve novice proficiency in listening, speaking, reading, and writing. This course is designed for non-native/non-heritage students; simplified characters are taught. The teacher and the students are expected to speak Mandarin.

SPANISH 1 - FL1211(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - This course is designed for students without prior exposure to the Spanish language. This introductory course begins to explore the Spanish language and culture through a variety of authentic resources. Students achieve novice proficiency in listening, speaking, reading, and writing. This course is designed for non-native/non-heritage students. The teacher and the students are expected to speak Spanish.

SPANISH 2 - FL2211(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite:

Spanish 1. This course builds on the communicative skills developed in Spanish 1. It continues to explore Spanish language structures and culture using more advanced authentic resources. Students gain intermediate-low proficiency in listening, speaking, reading, and writing. This course is designed for non-native/non-heritage students. The teacher and the students are expected to speak Spanish.

SPANISH 3 - FL3211(2) - Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Spanish 2.

This course applies the skills developed in Spanish 1 and 2. It explores advanced Spanish language structures and culture in depth. This course will prepare students for Spanish 4. Students gain intermediate-mid proficiency in listening, speaking, reading, and writing. This class is conducted entirely in Spanish.

SPANISH 3H - FL3221(2) - Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Spanish 2, department recommendation. This course applies the skills developed in Spanish 1 and 2. It explores advanced Spanish language structures and culture in depth. Students will be required to complete a selection of activities during the summer preceding the course. The pacing and workload of an Honors course in the WL Department is more rigorous. This course will prepare students for Spanish 4 Honors. Students achieve intermediate-mid proficiency in listening, speaking, reading, and writing. This class is conducted entirely in Spanish.

SPANISH 4 - FL4211(2) - Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Spanish 3 or instructor's and department recommendation. In this course, students will expand their knowledge through a variety of media and cultural units utilizing authentic resources. This course will prepare students for Spanish 5. Students will achieve intermediate-high proficiency in listening, speaking, reading, and writing. This class is conducted entirely in Spanish.

SPANISH 4H - FL4221(2) - Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Spanish 3H or instructor's and department recommendation. In this course, students will expand their knowledge through a variety of media and cultural units utilizing authentic resources. A selection of activities will be required during the summer preceding the course. The pacing and workload of an Honors course in the WL Department is more rigorous. This course will prepare students for AP Spanish Language and Culture. Students will achieve intermediate-high proficiency in listening, speaking, reading, and writing. This class is conducted entirely in Spanish. This course precedes AP Spanish Language and Culture.

SPANISH 5 - FL5113, FL5213 - Jr., Sr., -1 yr., 1 cr. - Prerequisite: Spanish 4 or Spanish 4H. This course will continue to refine the four skills of listening, reading, writing and speaking. The capstone of this course is the AAPPL test. Students who successfully complete this course and meet the requirements set by the State of Illinois will be awarded the Illinois State Seal of Biliteracy. This may result in college credit and/or higher placement in college. This class is conducted entirely in Spanish.

AP SPANISH LANGUAGE - FL5231(2) - Jr., Sr., - 1 yr., 1 cr. - Prerequisite: Spanish 4 or Spanish 4H and department recommendation. This course will explore the six overarching themes from the College Board in a variety of units. A selection of activities will be required during the summer preceding the course. Students who successfully complete this course and the AP Spanish Language and Culture examination may receive college credit and/or higher placement in college. This class is conducted entirely in Spanish. Completion of this course prepares students for the Advanced Placement Examination in Spanish Language in May.

SPANISH FOR HERITAGE SPEAKERS 1 - FL1311(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Proficiency test. This course, intended for students who speak Spanish in the home, but need to develop basic skills of reading and writing. The structure of the language is studied, with particular emphasis on writing and spelling. Class is conducted entirely in Spanish. The study of contemporary society in the Spanish-speaking world is included. Specific cultural information is introduced through reading selections and audio-visual media. If students qualify for this program but elect not to take it, they may NOT take nonnative Spanish, but may consider other language programs.

SPANISH FOR HERITAGE SPEAKERS 2- FL2311(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. Prerequisite: Spanish for Heritage Speakers 1, proficiency test. Intended for students who speak Spanish in the home, this course is a continuation of Spanish for Heritage Speakers 1. Conducted entirely in Spanish, this course places continued emphasis on reading, writing and literature. Students also improve their writing, listening, and speaking skills using a variety of audio-visual media and technology. If students qualify for this program but elect not to take it, they may NOT take non-native Spanish, but may consider other language programs.

SPANISH FOR HERITAGE SPEAKERS 3 - FL3311(2) - Fr., Soph., Jr., Sr. - 1 yr., 1 cr. - Prerequisite: Spanish for Heritage Speakers 2, department recommendation, proficiency test. This course is specifically for students who speak Spanish as their first language and wish to continue with the Spanish for Heritage Speaker course sequence. Students will continue to improve their literacy skills with much emphasis on reading, writing, and discussion of literature. Conducted entirely in Spanish, this course will concentrate on improving skills in communication using a variety of audiovisual media and technology. Students are encouraged to move into this level in order to be able to take Spanish for Heritage Speakers 4H/AP Component.

SPANISH FOR HERITAGE SPEAKERS 4H/AP SPANISH LANGUAGE & CULTURE - FL4311(2) - Soph., Jr., Sr., 1 yr., 1 cr. - Prerequisite: Spanish for Heritage Speakers 3H, department recommendation. This course is designed for students who have continued with the Spanish for Heritage Speakers program and wish to further polish their abilities in the language. This course will also prepare students to take the Spanish Language Advanced Placement Exam in May as well as to advance into AP Spanish Literature.

AP SPANISH LITERATURE - FL5331(2) - Jr., Sr., 1 yr., 1cr. - Prerequisite: Spanish 4, Spanish 4H, or Spanish for Heritage Speakers 3 and department recommendation. This course is designed for students who have demonstrated interest, motivation, and high achievement in previous Spanish courses. This course requires students to read a wide variety of literary genres in Spanish and engage in literary analysis of the texts through classroom discussion and formal essays. This course will also explore the culture and history of Spanish-speaking countries during each literary movement. Because this course is comparable to university level work, students are expected to have a high level of interest as well as sufficient time to read and prepare assignments outside of class. This course is conducted solely in the target language. This course prepares students for taking the Spanish Literature Advanced Placement Exam in May.

TECHNOLOGY CENTER OF DUPAGE

In considering the Technology Center of DuPage (TCD) course, please study the recommended and suggested course- lists carefully. The courses listed as recommended and suggested may be taken prior to going to TCD. The prerequisite course should be completed with a passing grade.

<u>PROGRAM TITLE</u>	<u>RECOMMENDED</u>	<u>SUGGESTED</u>
AGRICULTURE, FOOD & NATURAL RESOURCES		
Landscape Design & Turf Management		
ARCHITECTURE & CONSTRUCTION		
1. Civil Engineering & Architecture (CEA-PLTW)	Intro to Engineering Design (PLTW)	Interior Design
2. Construction Trades	General Woodworking Advanced Woodworking	Engineering Graphics 1
3. Heating, Ventilation, AC & Refrigeration	Intro to Electronics Electronics	Engineering Graphics 1
4. Residential Wiring	Intro to Electronics	Interior Design
ARTS, A-V TECHNOLOGY & COMMUNICATIONS		
Multimedia & Television Production	Television Production	Speech
EDUCATON & TRAINING		
Early Childhood Education & Care	Child Development Parenting	Preschool Child
HEALTH SCIENCE		
1. Nursing Assistant Training Program	Lab Science	Chemistry or Conceptual Chemistry
2. Medical Terminology & Health Careers	Lab Science	Chemistry or Conceptual Chemistry
HOSPITALITY & TOURISM		
Professional Cooking, Baking & Service Hospitality Management	Culinary Arts 1 & 2 Sports Marketing	Gourmet Foods
HUMAN SERVICES		
Cosmetology Healthcare Foundations	Fashion Workshop Fashion Merchandising	
INFORMATION TECHNOLOGY		
Computer Information Systems & Game Design	Computer Science Discoveries 1 & 2	AP Computer Science A AP Comp Science Principles
LAW, PUBLIC SAFETY, CORRECTIONS & SECURITY		
1. Criminal Justice	Business Law	Chemistry, American Law
2. Fire Science/Emergency Medical Technician	IAB SCIENCE	Chemistry

MANUFACTURING

Precision Machining
Welding Technology

SCIENCE, TECHNOLOGY, ENGINEERING & MATHEMATICS (STEM)

“Pathway to Engineering” Courses (PLTW)

Precision Engineering & Design Technology
Engineering Design & Development (EDD)
Introduction to Engineering Design (IED)
Principles of Engineering (POE)
Digital Electronics (DE)
Civil Engineering & Architecture (CEA)
Computer Science Principles

ENGINEERING GRAPHICS & 2 (Arch)

Recommended for all PLTW courses

OTHER RECOMMENDED COURSES

Introduction to Engineering Design
Intro to Electronics
Engineering Graphics & 2 (Architectural)

TRANSPORTATION & LOGISTICS

1. Auto Body Repair & Refinishing	Autos 1	Advanced Autos
2. Automotive Technology	Advanced Autos Intro to Electronics	Engineering Graphics & 2 (Architectural)

APPROXIMATE FEES FOR TECHNOLOGY CENTER OF DUPAGE PROGRAMS

All TCD programs have a yearly \$100 participation fee. Each student will pay the \$100 fee while attending TCD with the exception of the Cosmetology program. Cosmetology students will pay a \$525 fee during the first year and a \$370 fee the second year.

In cases where a program fee will cause a special hardship for the student and his/her family, special arrangements can be made, such as allowing the student to purchase materials on a "time payment" basis. In no case, however, should a supply fee prevent a student from enrolling in a Technology Center of DuPage program.

***COSMETOLOGY - Students enter this program as juniors. Successful completion of the program allows students an opportunity to take the Illinois State Cosmetology exam and become licensed in the areas of cosmetology, nail technology and esthetics. Cosmetology is a two-year program. Seniors may enroll as first year cosmetology students but will not be able to meet licensing requirements before high school graduation.

TECHNOLOGY CENTER OF DUPAGE “NO-DROP” POLICY

Please be advised that registration for Technology Center of DuPage programs constitutes a year long placement for your son or daughter. April 30, 2019 is the final date that withdrawal from a Technology Center of DuPage program for the 2019-2020 school year will be allowed. On August 1, 2019, the Glenbard district will be charged approximately \$4,400.00 tuition for each student registered at Technology Center of DuPage, and that tuition is non-refundable to Glenbard.

It is important to understand that a student who drops out of a Technology Center of DuPage program after April 30, 2019 may not be able to schedule classes at any Glenbard campus during the class periods that had been scheduled at Technology Center of DuPage.

TRANSPORTATION ARRANGEMENTS FOR TCD STUDENTS

Students are transported back and forth between Technology Center of DuPage and Glenbard North High School. Afternoon T.C.D. students are transported back to Glenbard North at 2:25 pm and are able to take their assigned bus route home from school or participate in extra-curricular activities.

ILLINOIS STATE UNIVERSITIES HIGH SCHOOL PREPARATION REQUIREMENT

Admission as a freshman to a state university in Illinois is based primarily on a combination of GPA, ACT or SAT score, and high school subject pattern requirements.

Minimum Requirements For Graduation From Glenbard North High School Class of 2020		Admission Requirements To Public Universities in Illinois	
Course	Current Credits	Course Requirement	Credits
English	3.5	English - Emphasis on written & oral communications & literature	4.0
Speech	0.5		
Social Studies	1.5	Social Studies - Emphasis on history and government	3.0
U.S. History	1.0		
Government/Civics	0.5		
Mathematics - including Algebra and Geometry	3.0	Mathematics - Including geometry, algebra, algebra 2 with trigonometry, or fundamentals of computer programming	3.0
Science	3.0	Science - Emphasis on laboratory sciences	3.0
Cultural Education	0.5		
Applied Arts	0.5		
Health Education	0.5		
Driver Education	0.5		
Consumer Education	0.5		
Physical Education	3.0		
Electives	4.5	Electives - Four semesters in world language, art, music or theatre	2.0
TOTAL CREDITS:	23.0		

Specific application of these course requirements varies among the state universities. The chart on the following page provides specific information on each of the state schools. For more information, contact your counselor or the Admission Office at one of these Illinois state universities.

STUDENT CONDUCT

ATTENDANCE: Names of students who will be absent, tardy or leaving school early must be called in by their parents or legal guardian by 10:00 a.m. on the day of the absence. Notes are not accepted. Students who arrive to school late should report directly to the Attendance Office. Parents must make prior arrangements with the Attendance Office when students must leave school for appointments. Students leaving school early should pick up an attendance slip in the Attendance Office in person and show that slip to their teacher at dismissal time. The attendance telephone number is (630)653-9092, and all attendance calls are taken at that number. The recorder will be on from 4:00 p.m. until 7:00 a.m. for those who are unable to call during school hours.

SPECIAL CONDUCT: Students at Glenbard North are expected to take pride in their good manners and to have respect for each other and for authorities in and out of school. Students are responsible and accountable for their actions. Selfdiscipline, which implies responsibility for one's actions, is one of the important goals of education and a mark of maturity. Respect for property, deference to authority, and pride in personal accomplishments shall be expected of all students. Students' pride in the high standards of Glenbard North shall be reflected in their behavior. All students should become thoroughly familiar with the contents of the *Panther Planner*.

NOTE: IF YOU MOVE OUT OF THE GLENBARD NORTH HIGH
SCHOOL ATTENDANCE AREA OR DECIDE TO ATTEND A
PRIVATE SCHOOL BEFORE SCHOOL OPENS IN THE FALL,
PLEASE NOTIFY THE GLENBARD NORTH SCHOOL COUNSELING
DEPARTMENT AT 630-653-7000 EXTENSION 3242

Glenbard Township High School District 87 does not discriminate in any programs or activities on the basis of sex, race, creed, religion, color, national origin, age, veteran or military status, sexual orientation, gender expression or identity, marital status, disability, or the use of a trained dog guide or service animal and provides equal access to the Boy Scouts and other designated youth groups. Glenbard offers classes in several college preparedness courses, as well as career classes at TCD, admission to which is non-discriminatory. Lack of English-language proficiency will not be a barrier to admission and participation in those programs.

[illegible]