

DUPAGE HIGH SCHOOL

DISTRICT 88

*Building Futures*

ADDISON TRAIL  
WILLOWBROOK

**COURSE LISTING  
GUIDE**



**2015 - 2016**



## **The 21<sup>st</sup> Century Vision for DuPage District 88**

**VISION...**The successful vision for DuPage District 88 is one of a desired, hopeful future to chart its path of action. It is intended to be a source of pride, to instill the courage to make thoughtful and responsible decisions, and to be a compass for the future.

The 21<sup>st</sup> Century for DuPage District 88 is one of a learning community that welcomes, excites, and challenges. This envisioned future is described by:

### **Schools that...**

- are safe and modernized promoting a learning environment that is healthy and conducive to optimal learning
- are structured as engaging and small learning communities that value and embrace diversity and allow for personalized and collaborative learning
- maximize a variety of learning spaces and arrangements that accommodate and sustain rigorous, creative, and innovative 21<sup>st</sup> Century learning
- form a tightly-connected and highly-interactive Addison Trail-Willowbrook (district-wide) learning community
- are part of a collaborative network of schools that represent an expanded global learning community

### **Classrooms that...**

- are inspiring, caring, respectful, and empowering for all students
- emphasize robust, experiential, personalized and collaborative learning focused on real-world (local and global) issues and challenges
- have accessible digital tools that are used for the acquisition of 21<sup>st</sup> Century knowledge and skills

### **Learning Programs that...**

- rigorously and dynamically integrate core knowledge instruction with 21<sup>st</sup> Century literacy skills\*
- maintain high local and global standards and enable students to develop intellectual and life skills through critical thinking and applied learning in all programs of study
- are interdisciplinary, project-based, career-connected, and linked with elementary, middle level, and higher education programs
- forge partnerships with business/community sectors, develop mentoring-tutoring relationships, and provide local/global service learning opportunities
- provide opportunities for diverse learners to thrive in an environment of inclusion and acceptance

*\*global awareness, financial, economic, business, entrepreneurial, civic, health, environmental, media and technology*

**Learners who...**

- are respectful, self-directed, enthusiastic, positive, and responsible
- are critical, creative thinkers prepared to use 21st Century learning tools in responsible ways that contribute to the good of our global society
- are proactive, productive and ethically-appropriate consumers and contributors to the local and global community
- are engaged, resilient, and view 21st Century change as opportunities for growth and development

**Teachers and professionals who...**

- continuously connect existing content, skills, and assessment practices with vigorous intellectual, creative, and forward thinking associated with 21st Century essential educational changes
- are caring, respectful, and adaptable in meeting the needs of all learners
- are highly qualified and collaborative team players

**School-Community partnerships that...**

- embrace its youth by providing a healthy, safe, and nurturing school-community environment
- share the responsibility for providing appropriate and inclusive learning and recreational opportunities for youth before/during/after school hours

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# GENERAL INFORMATION

This guide lists courses offered in DuPage High School District 88. The guide lists district-wide offerings (both Addison Trail and Willowbrook) first, and continues to list courses specific to each school. Please read this guide carefully and discuss your course selection with your parents, teachers and counselor. A printed copy of your course selections will be mailed to you in the spring. Some courses may be canceled due to insufficient enrollments. If this happens, your counselor or the summer counselor will help you select another course.

## CREDIT:

1. A full-year course, such as Biology, Algebra 9, etc., receives two credits per year, one each semester.
2. A semester course, such as Business Law, Speech, Health, receives one credit.
3. Physical Education receives one credit per semester.
4. Credits may be made up through summer school, county continuing education, or College of DuPage; however, courses from these alternatives must be pre-approved by your counselor.

## REQUIRED COURSES

### English

Every student must take and pass four years of English in sequence.

### Speech

Every student must take and pass one semester of Speech or Speech/Technology, which may be used to meet the English requirement.

### Mathematics

All students are required to take and pass three years of mathematics. **All students must take one year of math that includes algebraic thinking and one year of math that includes geometric thinking.**

### Science

Every student must successfully complete three years of science: one year in biology, one year in a physical science, or one year of chemistry, and then two additional semesters. Counselors will help choose science course(s) based on science background, vocational/career objectives, and the recommendation of the Science Department.

### Social Studies

Every student is required to successfully complete one year of U.S. History, one semester of Government, one semester Economics, and one year of Human Geography, or AP Human Geography. The United States and Illinois Constitution exams, which are given in the U.S. Government classes, must be passed in order for a student to graduate.

### General Education Requirements

All students are required to pass three semesters from the following subjects: world language, art, family & consumer science, industry & technology, business education, or music. Students must successfully complete 3 credits in general education in the following manner:

- a. One credit from fine arts, which includes a world language, music, or art course.
- b. One credit from Career and Technical Education, which includes a business, family & consumer science, industry & technology, or science vocational course.
- c. One additional credit from either a or b above.

**\*\* Note: The Consumer Education course requirement does not meet the applied art general education requirement.**

### Physical Education

Illinois School Code requires daily physical education for all students. All District 88 students will be scheduled into a PE class every semester. Health and Driver's Ed count as PE classes under the School Code. PE classes carry full credit, grade point average, and rank. Students can count PE credits towards elective credit for graduation.

### **Reading**

Students will take a reading test when they enter Addison Trail or Willowbrook prior to their placement in courses. District 88 establishes cut scores on the Reading Placement exam; based on these cut scores, some students may be placed into a reading intervention, which may include a separate course.

### **Consumer Education**

The Consumer Education requirement may be met through one of the following options: Introduction to Business, Sheltered Introduction to Business, and Consumer Management (offered by the Business and the Family and Consumer Education departments).

### **REQUIRED PERFORMANCES:**

#### **Constitution Test**

#### **Information Literacy Sampling**

#### **Health Proficiency Project**

**Educational Plan** An educational plan will be required for all students. A counselor will meet with each student to prepare a realistic plan based: on the student and parent's educational and vocational goals.

**Transportation:** Students who elect to take a course at the Technology Center of DuPage will have transportation provided by the district. Students who elect Invitation to Teaching or Medical Careers will need to provide their own transportation.

#### **Credits/year**

Students in District 88 are evaluated for year in school based upon the number of credits they have earned\*.

**Grade 9** 0 to 10 credits and year 1

**Grade 10** 11 to 21 credits and year 2 or higher

**Grade 11** 22 to 32 credits and year 3 or higher

**Grade 12** 33 to completion of graduation requirements and year 4 in school

\*The evaluation of credits for determining year in school will take place three times a year in August, January, and June.

## **REGISTRATION FOR SCHOOL**

Every August a registration packet is sent to each home with the necessary registration information and dates and times for students to register by class. Students are expected to register on the date that is designated for their class. When an extenuating circumstance occurs, and a student cannot register on the assigned date, the guidance office needs to be notified. **Any student who registers after registration week and has NOT previously notified the Guidance Office will be charged a \$25.00 late registration fee.**

## District 88 Graduation Requirement Summary

<b>English</b>	<b>8 semesters</b> (includes a semester of Speech) (English 9,10, & 11) (1 additional semester)
<b>Mathematics</b>	<b>6 semesters</b> (2 semesters algebraic thinking) (2 semesters geometric thinking) (2 additional semesters)
<b>Science</b>	<b>6 semesters</b> (2 semesters biological science) (2 semesters physical science) (2 additional semesters)
<b>Social Studies</b>	<b>6 semesters</b> 2 semesters U.S.History 2 semesters Social Studies (Economics, Government, Political Science) 2 semesters of Human Geography, or AP Human Geography
<b>Reading</b>	<b>1 semester</b> – unless exempt. Based on proficiency, a student may need additional reading courses.
<b>General Education</b>	A.) <b>1 semester</b> in: World Language, or Art, or Music  B) <b>1 semester</b> in: Career and Technical Education which includes Business, or Industry & Technology, or Family & Consumer Science  C.) <b>1 additional semester</b> in either A or B
<b>Consumer Education</b>	<b>1 semester</b>
<b>Elective Credits</b> ** Per Illinois School Code, all students are required to be enrolled in daily Physical Education for every semester they are enrolled in high school. <b>The PE credits will allow students to complete 8 of the 13 elective credits necessary for graduation.</b>	<b>13.0</b>
<b>Total Credits</b>	<b>44.0</b>
<b>Performance Requirements</b>	<b>Constitution Test</b>
	<b>Health Proficiency Requirement</b>
	<b>Information Literacy Proficiency Requirement</b>

## **FUTURE PLANS**

### **College Planning:**

College and university entrance is primarily based on the results of an entrance exam, the student's grade point average, class rank and the student's high school courses. These requirements vary from school to school and are even somewhat flexible within a school. Please check with your counselor or the college you are considering for specific information. **Students should confirm with their counselor that they are taking college accepted courses in the required areas since some courses will not meet the entrance requirements of some universities.**

### **Trade, Industry and Vocational Planning:**

Students wishing to pursue a specific trade or vocation are encouraged to examine and pursue TECH PREP sequences. Please see your guidance counselor for more information.

### **Career Planning:**

**See your counselor for help in exploring your career options, making some initial decisions, and developing a plan for reaching your educational and career goals.**

## **GRADE WEIGHTING SYSTEM AND HONOR ROLLS**

The course as well as the grade earned determines how many honor points a student receives toward class rank. Class rank is used primarily for college admission. Students will be able to earn an A, B, C, D, or F in all classes. Students who take more challenging courses are able to earn additional honor points. Thus, a student who enrolls in four high weighted courses and receives one A, two B's and one C at the end of the semester will have a 4.00 grade point average, whereas another student with the same grades, but is in all regular courses, would have a 3.00 grade point average. This would give the student in the high weighted courses a higher class rank and a better chance for college admission. High weighted courses are identified with in the course outlines.

	A	B	C	D	F
High weighted courses	5 pts	4 pts	3 pts	2 pts	0 pts
Regular weighted courses	4 pts	3 pts	2 pts	1 pt	0 pts

Students must be enrolled in a minimum of four academic courses to be considered for the honor roll. The Distinction Honor Roll requires a grade point average of at least 3.5 for the marking period and all grades must be an A or B. The Merit Honor Roll requires an average of 3.0 to 3.49. No student with the grade of I is given honor roll status until the work is completed. Sophomores, juniors and seniors may be elected to the National Honor Society on the basis of scholarship, leadership, service and character. The entire faculty is involved in the selection process.

**All students must be enrolled in a minimum of four classes to be considered for the honor roll.**

## **FEES**

Course fees **DO NOT** include the price of textbooks. Fees are estimated costs and may need to be adjusted.

## **IHSA ELIGIBILITY**

To participate in competitive athletics, extra-curricular and co-curricular activities, a student must have a passing semester grade in four (4) full-credit courses in the semester immediately preceding the activity. (Duration of suspension from activities is one semester.)

In addition, to participate in competitive athletics, cheerleading, pom pons, etc., a student must be passing four (4) full-credit courses in the week immediately preceding the activity. (Duration of the suspension is one week.)

## **TEACHER QUALIFICATIONS**

In accordance with ESEA Section 1111(h)(6) *PARENTS RIGHT-TO-KNOW*, DuPage High School District 88 will provide the parents, upon request, (and in a timely manner), information regarding the professional qualifications of the student's classroom teachers, including, at a minimum, the following:

1. Whether the teacher has met State qualification and licensing criteria for the grade levels and subject areas in which the teacher provides instruction.
2. Whether the teacher is teaching under emergency or other provisional status through which State qualification or licensing criteria have been waived.
3. The baccalaureate degree major of the teacher and any other graduate certification or degree held by the teacher, and the field of discipline of the certification or degree.
4. Whether the child is provided services by paraprofessionals and, if so, their qualifications.

For additional information, please contact Mrs. Jean Barbanente, Asst. Superintendent at (630) 530-3985.

# ART



## \*Art Honors Option

Students can elect to receive weighted credit in all certain Art courses at Addison Trail and Willowbrook. Requirements will include the following: 1. Research Paper on a significant artist or style. 2. Art Project based on the artist or style. 3. Presentation on Research paper and Art Project. 4. One Extra Project selected from class assignments. 5. Participation in an Art Related Event. Students select the Honors Option within the first ten days of the semester.

\*Senior students are exempt from prerequisites.

## AR44253 Advanced Placement Studio Art

The Advanced Placement Studio offers a choice of AP Drawing, AP 2-D Design, and AP 3-D Design. These classes are intended for independent art students who wish to develop individual skills, style, and technique along with a portfolio of work. This course is meant to provide students with an experience equivalent to a college level foundations class. Students will work on self-directed as well as teacher-directed assignments and will learn how to shoot professional quality photographs of their work. The Advanced Placement Art Exam is offered in May at an additional cost.

**Semesters: 2**

## AR55015 Introduction to 2-D Art

This is a general introductory art course which deals with the principles of two dimensional design and composition. Students will learn drawing, painting, cartooning and computer art completing still life drawings, portraits, digital drawing, design and cartoons. Significant 2-D art from the past and present will be explored. **This course is a prerequisite for drawing and painting classes. *Honors Option is available.***

**Semesters: 1**

## AR55025 Introduction to 3-D Art

This is an introductory, 3-dimensional art course designed to be welcoming for students of all artistic experience levels. Students will learn the elements of art and the principles of 3-dimensional design and composition through a variety of art projects in sculpture, pottery, and jewelry. Students will learn to work with clay, wire, glass, foam, and found objects. Significant 3-D art from the past and present will be explored. **This course (or Introduction to 2-D Art) is a prerequisite for clay and sculpture/jewelry courses. *Honors Option is available.***

**Semester: 1**

## AR55115 Animation and Cartoon Drawing 1

This course will introduce students to basic drawing techniques in the field of cartooning and animation. Single-panel cartoons, editorial cartoons, caricatures, original characters, comic strips, comic books/graphic novels will be explored with an emphasis on creativity, composition, and craft. A drawn animation with storyboards will be filmed and edited using the computer. 3-dimensional claymation and cut-paper animation will be explored. Career pathways, along with significant cartoons and animations from the past and present, will be studied. ***Honors Option is available.***

**Semester: 1**

## AR55125 Graphic Design 1

This course explores the use of computer-generated art as an introduction to the computer as an artistic tool. Adobe Photoshop and Illustrator are the software programs that will be used to alter and manipulate images and typography in order to create strong designs and compositions. Students will be complete CD package design, concert posters, concert tickets, portraits, photo collages, optical illusions, logo symbol design, letterhead mailers and digital images. ***Honors Option is available.***

**Semesters: 1**

## AR55205 Graphic Design 2

**Prerequisite: Graphic Design 1**

This class continues to develop artistic and technical skills needed to solve complex design problems using Adobe Photoshop, Illustrator and InDesign software programs. Students will complete an advertising campaign, candy box package design, magazine layout, invitations, digital photography, logo design, restaurant menus and posters. ***Honors Option is available.***

**Semesters: 1**

## AR55225 Animation and Cartoon Drawing 2

**Prerequisite: Animation and Cartoon Drawing 1**

This is an advanced studio course designed for the student who wishes to explore advanced cartooning and animation techniques in the areas of character development, storyboarding, publishing, filming and editing, while further developing their own personal style. Students will focus on creating an in-depth cartoon series or a drawn, 3-D, or experimental animation with an emphasis on

creativity, composition, and craft. Career pathways, along with significant cartoons and animations from the past and present, will be studied. *Honors Option is available.*

**Semester: 1**

### **AR55235 Advanced Animation**

**Prerequisite:** Animation 1 / Animation 2 or instructor's permission.

Students who are interested in going into the growing field of animation need to have a block of studio time to produce animations to be used for scholarship opportunities and admission into art schools. Advanced Animation allows students to have time to work on an in-depth semester long project. In addition to working in a more independent manner, students will learn new software that allows them to add special effects and sound layers to their animations. (Past student films created during this class have been featured in The Ottawa Animation Festival in Canada and Chicago Youth Film Festival).

**Semesters: 1 (may also be taken for 2 semesters) *Honors Option is available.***

### **AR56035 Drawing and Painting 1**

**Prerequisite:** Introduction to 2-D or 3-D Art.

This is a course that explores the fundamentals of both drawing and painting techniques. Students will learn the basics of sketching using a variety of media including pencil, pastels, colored pencils and charcoal. Watercolor and acrylic paints will be used to learn a variety of painting techniques. Subjects include still lives, landscapes, portraits, figure studies and abstract designs. *Honors Option is available.*

**Semester: 1**

### **AR56045 Ceramics 1**

**Prerequisites:** Introduction to 2-D or 3-D Art

This is a studio art course in which students create original artwork from a variety of clay working methods. Basic hand building (coil, pinch, and slab), basic potter's wheel-throwing, and glazing will be explored with an emphasis on creativity, composition, and craft. Significant ceramic art from the past and present will be studied. *Honors Option is available.*

**Semester: 1**

### **AR56065 Ceramics 2**

**Prerequisite:** Ceramics 1

This is an advanced studio art course in which students create original artwork from a variety of clay working methods. Advanced and large-scale hand building (coil, pinch, slab), advanced and large-scale potter's wheel-throwing, and a variety of surface and glazing techniques will be explored with an emphasis on creativity, composition, and craft. Students will learn and participate in the kiln loading and firing process. Significant ceramic art from the past and present will be studied. Recommended for the student who was successful in, Ceramics 1. *Honors Option is available.*

**Semester: 1**

### **AR56075 Ceramics 3**

**Prerequisite:** Ceramics 2

This is an advanced studio art course for students who wish to create ambitious and/or large-scale works in clay. Students will learn modern trends in ceramic art and develop a concentration of art pieces that explore their choice of handbuilt pottery, wheelthrown pottery, or clay sculpture with an emphasis on creativity, composition, and craft. Students will learn and participate in the kiln loading and firing process. Significant ceramic art from the past and present will be studied. Recommended for the student who was successful in, Ceramics 2. *Honors Option is available.*

**Semester: 1**

### **AR56135 Drawing and Painting 2**

**Prerequisite:** Drawing and Painting 1

This course will provide students with the opportunity to expand their drawing and painting skills to learn advanced techniques using a variety of media including conte, pen and ink, watercolor pencils, pastels, oil paints and water based oil paints. Subjects include still life and nature, anatomical sketching, photographic reference and imaginative design. Students will study how artists of the past and present use drawing and painting as a form of personal expression and communication. *Honors Option is available.*

**Semester: 1**

### **Additional courses offered at Addison Trail HS:**

#### **AR55055 Mixed Media Photography**

This is a course for students who want to visually express themselves through the combination of photography, collage and various other art media. Students will learn basic photocomposition, black and white darkroom techniques. Throughout the semester, students will create a “visual journal” in their sketchbooks.

**Semesters: 1**

### **Additional courses offered at Willowbrook HS:**

#### **AR55305 Jewelry/Sculpture**

**Prerequisite: Intro to Art 3-D or Intro to Art 2-D.**

This course is designed for students to explore 3-Dimensional art and design on both a small and large scale. Original art jewelry will be explored in glass, copper, brass, silver, and semi-precious stone setting, and original sculpture will be explored in clay, wood, wire, glass, plaster, and found objects with an emphasis on creativity, composition, and craft. Both additive and subtractive jewelry and sculpture processes will be explored along with mold making processes. Significant jewelry and sculpture from the past and current art trends of the present will be studied. *Honors Option is available.*

**Semester: 1**

#### **AR65125 Game Design 1**

**Prerequisite: Introduction to 2-D or Introduction to 3-D or Animation and Cartoon Drawing 1 or Graphic Design 1.**

**Prerequisite waived for seniors.**

This is a class that will teach visual and audio game design through game mechanics, player design with animation and the principles of modeling environmental levels. The students will use current software programs to design games from concept through final production utilizing special effects and terrain rendering for game levels. *Honors Option is available.*

**Semester: 1**

#### **AR65155 Game Design 2**

**Prerequisite: Game Design 1**

This course will continue to investigate the visual and audio game design fundamentals through game mechanics in the integrated development environment which allows the student to control all game details such as path finding, physics, object interaction, particles and data structure. Students will use current software to design complex games from concept through final production implementing previously learned techniques to advance game development into multi-platform and multi-player games for mobile devices, computers and the internet. *Honors Option is available.*

**Semester: 1**



## CAREER AND TECHNICAL EDUCATION – BUSINESS EDUCATION

### **BU55013 Introduction to Business**

This course presents the everyday business activities that the student will experience in his or her own personal life. It is a general orientation course in the business field, including such topics for exploration as business careers, money management, investing, banking services, consumerism, and types of insurance. The course contributes to a better understanding of American business and where we as consumers and business persons will fit into this social and economic environment. **This course meets the consumer education graduation requirement and one elective graduation requirement.**

**Semesters: 2**

### **BU55025 Sheltered Introduction to Business**

This course introduces limited English speaking students to consumer problems that may be encountered now and in their adult years. Placement in this class is based on recommendations of both the ESL and Guidance departments. The topics covered in class relate to everyday living situations and help prepare individuals for making wise purchasing decisions in the marketplace. Some of the areas of study include: budgeting, savings, checking accounts, comparison-shopping, using credit wisely, deceptive advertising practices, taxation, and various consumer protection laws. **This course meets the consumer education graduation requirement.**

**Semesters: 1 or 2 NOTE: This is 2 credits at AT**

### **BU55035 Keyboarding/ Word Processing 1**

This semester course is strongly recommended for college-bound students as well as those students interested in entering the workforce. The objective of this course is to develop the skills necessary to accurately keyboard and word process reports, letters, outlines, and a variety of materials that the individual may have occasion to use. The objective of this course is to develop the skills necessary to type and format material for personal, professional and school use quickly and accurately. Students will learn basic Microsoft Word functions to complete business documents. ***Dual credit option is available through the College of DuPage.***

**Semesters: 1**

### **BU55065 Consumer Management**

This one-semester course focuses on specific consumer problems that students will encounter now and as an adult. This subject relates to everyday living and helps prepare individuals for making wise purchasing decisions. Topics include: budgeting, saving/checking, investments, comparison-shopping, using credit wisely, tax preparation, insurance, advertising practices, labor relations, and various consumer protection laws. **This course meets the consumer education graduation requirement.**

**Semesters: 1**

### **BU55073 Accounting 1**

This course is highly recommended for students who plan to study any field of business in college. The study of accounting emphasizes the accounting principles and concepts necessary to process financial data. Students acquire the background essential for a solid foundation for the further study of accounting, as well as work in a wide range of accounting, clerical, and data processing jobs or any other business field. Computerized accounting software and spreadsheets are integrated into the curriculum. Accounting simulations are used to bring the content to life and show real life applications ***Honors Option is available.***

**Semesters: 2**

### **BU55083 Accounting 2 - Honors**

**Prerequisite: Accounting I, and/or teacher recommendation.**

This course is highly recommended for students who plan to study any field of business in college. This is an introductory college accounting course. It includes departmentalized accounting, cost accounting, accruals, deferrals, controlling financial resources, accounting for partnerships and corporations. Computerized accounting software and spreadsheets are integrated. **Completion of this course (partnered with Accounting I) with a B average will provide articulated credit with the College of DuPage. *Dual credit option is available through the College of DuPage at WBHS.***

**Semesters: 2**

### **BU55125 Business Law**

This course informs the student of everyday law. The course discusses one's legal rights and benefits as well as one's legal duties, obligations, and liabilities. Topics covered in business law include criminal and civil law, contracts, juvenile law, and a variety of current legal issues that arise. Debates, court house field trip, and mock trial are excitingly included. *Honors Option is available.*

**Semester: 1**

### **BU55136 Entrepreneurship**

Managers play an important role in the success of a business. This course prepares students with the skills managers need to make a positive impact on implementing change in the workplace. Topics include characteristics of good leadership, motivational strategies, the study of entrepreneurs, writing a business plan, marketing, types of ownership, accounting, and completing a business simulation. The course explores all aspects of business operation and investigates new and popular trends in business management- including up to date software simulations.. *Honors Option is available.*

**Semester: 1**

### **BU55275 Marketing – Sports and Entertainment Focus**

The student will study the four P's of marketing—product, price, place and promotion and how they relate to sales, advertising, and the distribution of goods and services. Sales, promotion, consumer behavior, interviewing, and market research are broken down to show how these areas benefit the business world and the student. Students will practice their marketing skills by utilizing role playing and engaging in realistic business simulations. Field Trips to apply marketing knowledge are also optional. *Honors Option is available.*

**Semesters: 1**

### **BU55555 College & Career Technology formerly Computer Applications**

Don't be left out when it comes to learning and knowing how to use Microsoft Office Suite. Learn word processing, database, spreadsheet, and presentation applications (Microsoft Word, Access, Excel, and PowerPoint) and how to integrate them all together. In addition, students will explore and use free online resources. These are skills you should know whether you plan on going to college or entering the world of work immediately. Keyboarding/Word Processing highly recommended or ability to key with speed and accuracy. *Honors Option is available. Dual credit option is through the College of DuPage.*

**Semesters: 1**

### **BU56065 Consumer Management- Online Blend**

This one-semester course focuses on specific consumer problems that students will encounter now and as an adult. This subject relates to everyday living and helps prepare individuals for making wise purchasing decisions. Topics include: budgeting, saving/checking, investments, comparison-shopping, using credit wisely, tax preparation, insurance, advertising practices, labor relations, and various consumer protection laws. **This course meets the consumer education graduation requirement. This SECTION is online - meeting physically for specific instruction and assessments; however, a majority of the work - including uploading assignments and student blogged responses - will be individual and kept on a calendar pace with the Instructor.**

**Semesters: 1**

### **BU65343 From School to Work**

This course will help students prepare for the workplace by making a smooth transition from the classroom to a satisfying job or post-secondary education. Students will focus on development of valuable thinking skills, personal qualities of a valuable worker, improve their reading/writing/listening/speaking skills, learn to solve on the job math problems, development of their soft skills, and the process of preparing for a full-time career. Also included is research and assessment of one's needs, strengths and weaknesses to choose the correct career path and exploration of the various career clusters. A short job shadow experience is planned.

**Semesters: 2**

### **Additional courses offered at Addison Trail HS:**

### **BU55053 ESL Keyboarding/Advanced Word Processing**

Placement in this class is based on recommendations of both the E.S.L. and Guidance Departments. This class is an alternative to Keyboarding/Word Processing with Advanced Word Processing. The objective of this course is to develop the skills necessary to type and format reports, letters, tables, and a variety of other documents. Focus skills include: capitalization rules, punctuation, grammar, spelling, and spacing. Students will learn to type properly and to format material for personal, professional, and school use quickly and accurately.

**Semesters: 2**

### **BU55195 Hotel/Restaurant/Travel Industry**

This is two-period course that is sponsored by Addison Trail, local hotels, restaurants, and other hospitality establishments. Students will gain experience with duties performed in the hotel, restaurant, and travel industry. Time will be spent in the classroom and at the sponsoring facilities. Class time consists of various projects including food preparation, concessions, computer lab time, and speakers. When on the cooperating site, the students will shadow/train with hotel personnel.

**Semesters: 1**

### **BU65143 / BU65163 Work Program—Business**

#### **BU65153 / BU65173 Advanced Work Program—Business**

Work Program is a designed to provide students with an opportunity to develop real-world work experience for academic credit. The students will receive one period of instruction in the classroom each day and will also spend a minimum of 15 hours per week on a job in the community, thereby earning two credits per semester. Classroom instruction during the school day focuses on developing business-oriented vocabulary, the job application process, employment reading skills, utilizing a variety of computer applications commonly found in a work environment—Microsoft Office Suite, work related business math skills, marketing and office related concepts, and emphasis on human relations skills. Students can also participate in national professional associations, called BPA or DECA, where they have the opportunity to compete in area, state, and national competitions.

**Semesters: 2**

### **Additional courses offered at Willowbrook HS:**

### **BU35313 Financial Math and Analysis**

Focuses on mathematical skills necessary for personal and corporate use. Topics include: personal financial math & analysis (i.e. payroll – gross and net pay, banking services, loans, credit, spending, owning a home and car, insurance and investments) and business/corporate financial math & analysis (i.e. data analysis, inventory, business costs, sales & marketing, profit & loss, and international business). Students will utilize mathematical concepts such as solving problems involving whole numbers, decimals, fractions, percents, ratios, average, and proportions, using algebraic operations to solve problems, and analyzing and interpreting data using common statistical procedures. *This course satisfies the math graduation credit requirement at WBHS.*

**Semester: 2**

### **BU55215 Sheltered Keyboarding**

This class introduces limited English speaking students to the computer keyboard. This course will be beneficial for those students entering the workforce or continuing their education beyond high school. The objective of the course is to develop the skills necessary to accurately keyboard and format a variety of documents used in business and educational settings. Students will work on basic proofreading strategies to improve accuracy. Upon completion of this course, students will know how to use basic functions of Microsoft Word.

**Semesters: 1**

### **EN55225 Introduction to Speech/Technology (Course is also listed under English)**

#### **Prerequisite: Sophomore standing**

This course is an integrated English/Business Education course designed to teach students the basic elements of oral communication in combination with technology. Students will perform several different types of speeches utilizing presentation software. The class also will stress research, listening skills, and the impact technology can bring to the communication process.

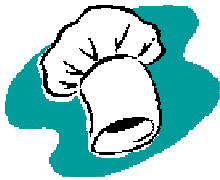
*This course is one semester/one period and fulfills the Speech graduation requirement. Dual credit option is available through the College of DuPage at WBHS.*

**Semesters: 1**

### **BU55265 Business Explorations**

This course will provide students with basic career management tools required in today's workforce, which includes how to design an impressive resume and cover letter. The class is designed to prepare students to successfully enter today's rapidly changing job market and develop skills to ensure lifelong career success. One of the main objectives of the course is to allow students to examine a variety of employment opportunities in the business world that range from professional careers to those that involve technical and service-based training. Areas of study will include desktop publishing, accounting, advertising, international business and management and website publishing skills.

**Semester: 1**



## **CAREER AND TECHNICAL EDUCATION – FAMILY & CONSUMER SCIENCES**

### **FC15125 Human Growth and Child Development formerly Family Living**

Students explore topics focusing on child growth and care from conception through childhood with emphasis on the techniques and skills necessary to promote healthy physical, social, emotional, intellectual and moral development. This course incorporates concepts from child psychology, educational research, biology, sociology and philosophy. Students will spend a full weekend with a computerized baby to further their understanding of the care needed for an infant.

**Semester: 1**

### **FC25125 Preschool I**

**Prerequisite: Human Growth and Child Development or Family Living (or teacher approval)**

Students will apply the knowledge that they learned in Human Growth & Child Development, in the preschool lab setting. Children from the community attend The Little Blazer Preschool (AT) and Little Warrior Preschool (WB) which is directed by the course instructor and the assistance of the high school students. Students will have the opportunity to observe the preschoolers as well as work with each child on a one on one basis. The course curriculum includes positive guidance techniques, observation skills, reflection and additional information that can be used in Preschool II and a future career related to young children. 4 Certificates in alignment with Gateways to Opportunity Early Childhood Education programs – including scholarships and university credits available.

*Note: When taking Pre-School I and II in sequence (recommended), it is considered a year-long course and the first semester final exam is required. Completion of this course (partnered with Preschool II) with a B average will provide articulated credit with the College of DuPage.*

**Semester: 1**

### **FC35125 Preschool II**

**Prerequisite: Preschool I**

Students will research, explore and implement the most current teaching trends and techniques children with a variety of needs in The Little Blazer Preschool (AT) and Little Warrior Preschool (WB). Students will apply the knowledge and practice the skills gained in previous courses. Students will gain further knowledge about a career in education and other child related professions.

**Semester: 1**

### **FC45125 Preschool Teaching Internship**

**Prerequisite: Preschool II and teacher approval**

**Grades 11-12**

This internship opportunity is given those students who have successfully completed Human Growth & Child Development, Preschool I and Preschool II and have been given permission, after an application process, to enroll in this course. As an advanced continuation of Preschool II, the student works as an individual lead teacher in the Little Warrior Preschool acting as a facilitator to those students enrolled in Preschool I. The student will further their education and knowledge in working with young children by conducting research, observing, planning, implementing and individual reflection. The student will work closely with the classroom teacher who will guide them in throughout the course.

**Semesters: 1**

### **FC55076 Fashion 1**

This laboratory class is designed for the student interested in all aspects of the fashion apparel industry. Emphasis is upon fashion trends, methods of basic fashion design, design principles, color theory, and personal fashion analysis.

**Semester: 1**

### **FC55115 Interior Design**

This laboratory course is designed for the student interested in the study of interior design. Emphasis is upon the application of art design principles to achieve effective interiors. Units of study include: personal needs and housing, historical development, consumer issues, elements and principles of design, floor plans, and construction basics of the interior design industry.

**Semester: 1**

### **FC55305 Culinary Arts 1**

This course combines both a classroom setting and a laboratory experience. The course focuses on kitchen safety and sanitation, recipe selection and reading, food assembly techniques, and the nutritional value of basic recipes. This course is designed for both everyday cooking and those aspiring to work in the food service industry.

**Semesters: 1**

### **FC55405 Culinary Arts 2**

**Prerequisite: Culinary Arts 1**

This laboratory course expands upon the knowledge and culinary skills obtained in Culinary Arts 1. Emphasis will be on the exploration of American regional cuisines, meal planning, more advanced cooking/preparation skills and careers within the food service industry. Food Handler Certification available through instructors.

**Semesters: 1**

### **FC55655 Introduction to Elementary Education (One Semester)**

**Prerequisite: Preschool II and instructor approval**

Students are given the opportunity to further explore the career possibilities in teaching. This course offers the unique classroom experience in local elementary schools under the supervision of a cooperating school teacher and a school coordinator. This course is designed for those students interested in pursuing a teaching certificate following high school graduation. A seminar is held one day a week to explore materials and principles of education. Students must make arrangements for transportation to the elementary school.

**Semesters: 1 (2 period block)**

#### **Additional courses offered at Addison Trail HS:**

### **FC45055 Food for Life**

**Prerequisite: Senior Status**

This laboratory course provides cooking skills and techniques that will aid in successful independent living upon graduation. The focus is upon tips for making wise nutritional and economical food choices, and cooking techniques to prepare simple, well-balanced snacks/meals. *Dual credit option is available at ATHS through College of DuPage.*

**Semesters: 1**

### **FC55065 Hotel/Restaurant/Travel Industry**

This course is a two- period course that is sponsored by Addison Trail, local hotels, restaurants, and other hospitality establishments. Students will gain experience with duties performed in the hotel and restaurant industry. Time will be spent in the classroom and at the sponsoring facilities. Class time consists of various projects including food preparation and computer lab time. When on site, the students will shadow/train with hotel personnel.

**Semester: 1**

### **FC55105 Clothing Construction**

This laboratory class focuses primarily on basic clothing construction techniques. Students will learn to read patterns to create a variety of garments using self-selected patterns and fabrics.

**Semester: 1**

### **FC55185 Advanced Clothing Construction**

**Prerequisite: Clothing Construction**

This laboratory class focuses on exploring in further depth advanced clothing construction techniques.

**Semester: 1**

#### **Additional courses offered at Willowbrook HS:**

### **FC55055 Fitness & Nutrition**

**Prerequisite: Junior or Senior status**

This course is an inter-departmental course taught by the Physical Education and Family & Consumer Science departments. The focus of the course is upon physical fitness activities that can be pursued into adulthood and today's nutritional needs. Included topics are body composition testing, computer dietary analysis, laboratory experiences in nutritional food preparations and physical conditioning activities, like yoga. **This course can fulfill daily PE requirement. Dual credit option is available through the College of DuPage at WBHS.**

**Semesters: 2**

### **FC55303 Culinary Arts 3**

**Prerequisite: Culinary Arts 1 and 2**

Students in grades 10, 11, 12 will learn how to operate a small catering business located at the high school. Course content will include food preparation including plating and garnishing, serving food on occasion, and addressing the cleanup activities that follow. Students gain real life experience along with high school credit as part of their school day. Activities include planning, scaling recipes, ordering of groceries, and figuring costs in a lab setting. Opportunities to work with clients to determine themes and menus for morning, afternoon, and evening events will be included. Students should expect to work some hours before/after the school day throughout the semester/year as is typical in the Hospitality industry. This course is designed for students having an interest in food service as a possible career. Food Safety and Sanitation Managerial Certification available. ***Dual credit option is available through the College of DuPage at WBHS.***

**Semesters: 2; 1 or 2 period block; repeatable**

# CAREER AND TECHNICAL EDUCATION – INDUSTRY AND TECHNOLOGY



## **IT25043 Automotive Technology 1**

**Prerequisite:** None

This course consists of an in depth study of the following vehicle systems: engine mechanical, electrical, starting and charging. In each of these areas the students will learn about the modern parts, operation, diagnosis and repair of the system. Modern tools and diagnostic procedures will be stressed. The student will work toward developing mechanical skills, technical knowledge, and manipulative operations necessary for entry-level employment in the automotive field. Time is split between the classroom and lab. Most units will entail a service component that will resemble a job-shop situation where students are working on live vehicles that are currently being driven on the road. Safety glasses and coveralls required (cost of overalls is estimated to be \$35.00 at AT).

**Semesters:** 2

## **IT55125 Photography 1**

**Prerequisite:** None

This is an introductory course in which students will learn basic photographic processes– including black and white film and digital photography. This course covers the technical areas of photography, but stresses the proper practices and techniques as they apply to taking and printing of good pictures. Areas to be covered include: history of photography, camera types, light, lenses, camera handling, film, composition, filters and color. The program focuses on camera operation, film processing, printmaking and presentation. Students will also investigate the use of photography for the communication of ideas through an understanding of the elements of art and principles of design as well as Adobe Photoshop to edit, process, and print high quality, professional photographs. *Dual credit option is through the College of DuPage.*

**Semester:** 1

## **IT55135 Photography 2**

**Prerequisite:** Photography 1

This is an advanced level course that will expand the student's knowledge and skill with the photographic medium, as well as utilizing black and white and digital photography techniques. Students will investigate fine printmaking techniques and the use of different films and papers as well as working with studio and commercial lighting and proper techniques for flash photography and use of Advanced Adobe Photoshop. Students will employ a more extensive manipulation of images and alternative process techniques. Students will learn processes and do assignments similar to those demanded of a professional photographer. *Dual credit option is available through the College of DuPage.*

**Semester:** 1

## **IT55335 Architectural Drafting**

This course will explore the options, careers, education and skills related to architecture and building construction. It will focus primarily on residential design and the required drawings for constructing buildings ranging from as small as a shed or garage up to large houses. Topics will include building codes, construction plans, room layouts, roofing and more. Students will learn principles of CAD Drafting software and design as well as modeling with balsa wood and foam core board. *Dual credit option is available through the College of DuPage at WBHS.*

**Semesters:** 1

## **IT55345 Advanced Architectural Drafting**

**Prerequisite:** Architectural Drafting

This course will further explore the concepts of architecture and architectural design. Students will also learn about energy efficiency and green building practices as well as supplemental construction plans related to electricity, plumbing, heating and air conditioning, framing practices, and detailed plans for kitchens and bathrooms. This course will use 3-dimensional CAD software and modeling materials.

**Semesters:** 1

## **IT65025 Home Repair and Maintenance**

This course is designed for students interested in completing some of their own home maintenance and repair work and for those who may be interested in learning about a career in the building trades. Students learn the basic information and techniques necessary to use the major tools and various building materials required for routine repair and maintenance of a residential

structure and its systems, including exterior and interior walls, roofs, windows, plumbing, masonry, and insulation. Students will work independently, in a large group, and/or in pairs while going through individual units of study throughout this course. Safety Glasses are required.

**Semesters: 1**

### **IT65063 Automotive Technology 2**

**Prerequisites: Automotive Technology 1**

This course consists of an in depth study of the following vehicle systems: tires, braking, fuel, and computerized engine performance. In each of these areas the students will learn about the modern parts, operation, diagnosis, troubleshooting, and repair of the system. Modern tools and diagnostic procedures will be stressed along with use of analyzers and scanners. The student will work toward developing mechanical skills, technical knowledge, and manipulative operations necessary for entry-level employment in the automotive field. Time is split between the classroom and lab. Most units will entail a service component that will resemble a job-shop situation where students are working on live vehicles that are currently being driven on the road. Safety glasses and coveralls required (cost of overalls is estimated to be \$35.00 at AT). ***Dual credit option is available for Sophomores, Juniors, and Seniors through College of DuPage at ATHS.***

**Semesters: 2**

### **IT66063 Automotive Technology 3**

**Prerequisite: Automotive Technology 2**

This course consists of an in depth study of a variety of vehicle systems including but not limited to: , air conditioning, manual transmissions and driveline, automatic transmissions, and electrical systems In each of these areas the students will learn about the modern parts, operation, diagnosis and repair of the system. Modern tools and diagnostic procedures will be stressed. The student will work toward developing mechanical skills, technical knowledge, and manipulative operations necessary for entry-level employment in the automotive field. Time is split between the classroom and lab. Most units will entail a service component that will resemble a job-shop situation where students are working on live vehicles that are currently being driven on the road. Safety glasses and coveralls required. Continuation of text from Automotive Technology 2. Ford AAA, Skills USA, and Autos certification available.

**Semesters: 2 (2 Periods per day at AT) (1 period per day at WB)**

### **IT66083 Automotive Technology 4**

**Prerequisite: Automotive Technology 1 and 2**

This course consists of an indepth study of steering, suspension and alignment on todays modern automobile. Students will learn about the parts, operation, diagnosis and repair of the systems. Most labs will be completed on live vehicles that are currently being driven on the road. Customer service and customer interaction are also covered and put into practice during this course.

Students will be required to diagnose steering, suspension and alignment problems, quote the repair to the customer and then complete the repair. **Safety glasses and coveralls required**

**Semesters: 2**

### **IT66093 Automotive Technology 5**

**Prerequisite: Automotive Technology 1,2,3 , and 4**

This course consists of an indepth study of the vehicle emission system and hybrid vehicles. Students will spend time working on practicing diagnosis of vehicle engine performance and emission failures along with electrical diagnosis. Most labs will be completed on live vehicles that are currently being driven on the road. Customer service and customer interaction are also covered and put into practice during this course. Students will be required to diagnose quote the repair to the customer and then complete the repair.

**Safety glasses and coveralls required**

**Semesters 2**

### **Additional courses offered at Addison Trail HS:**

#### **IT55085 Computer Aided Drafting 1 (Mechanical CAD 1)**

In this course the student will learn to use the computer as a drafting and design tool. The basics of machine drawing and design are explored as well as an introduction and utilization of AutoCAD software. Another purpose of this course is to present to the student different types and procedures for drawing pictorial illustrations. Some of the units covered will include isometric drawings, perspective, exploded views, and different types of rendering and 3-D Modeling. AutoCAD is one of the most commonly used drafting software packages in the world today and mastery of its skills can prove to be very valuable in a variety of career fields including engineering, construction, and manufacturing.

**Semester: 1**

#### **IT55095 Computer Aided Drafting 2 (Mechanical CAD 2)**

**Prerequisite: CAD 1**

In this course the student expands and improves their CAD skills working with Inventor software. In addition, the course is to acquaint the student with a basic fundamental knowledge of manufacturing and engineering. By means of projects, the student

will develop proper designs, familiarity with different types of engineering processes, manufacturing basics, and learn different engineering and manufacturing careers. Students interested in manufacturing, or any of the engineering fields would benefit from a study in CAD II.

**Semester: 1**

### **IT55173 Manufacturing Technology**

This course consists of an in-depth study of how people convert raw materials into useful usable products. Students will design, build and test their products. This course will also focus on manipulative skills in the safe and proper use of industrial manufacturing machines, (metal – milling, computer CAD/CAM, (computer assisted machining), drill press, lathe, welding, etc.) Safety glasses required.

**Semesters: 2**

### **IT55185 Woods Technology Lab**

This project filled one semester class will teach you life-long skills with a variety of hand tools, hand power tools, and stationary power tools, while completing interesting useful projects. Students will learn how to build projects from prepared plans. This class can establish a foundation for advanced woods, a career in the building trades, or an introduction to a rewarding hobby.

**Semesters: 1**

### **IT55263 Principles of Technology**

**Prerequisite: Algebra**

This course is designed to acquaint the student with the physical laws of science as they apply to the technological world. Mechanical, fluid, electrical and thermal systems are studied through a laboratory approach that requires data recording and analysis. This course will be useful to those students who are planning on pursuing a career in engineering or in a technical field.

**This course fulfills the science requirement to meet graduation requirements.**

**Semester: 2**

### **IT55303 Advanced Woods**

**Prerequisite: Woods Technology Lab**

This course is offered to juniors and seniors as a continuation of Woods Technology Lab. Individual projects will be completed based on skill level. Safety will be emphasized throughout the course. Safety glasses required.

**Semesters: 1**

### **IT65015 Technology Survey I**

As the name implies this course allows a student to explore a variety of technical skill areas that they may know little about, and it provides a wide range of student activities related to all areas of technology and engineering education in the areas of: Woodworking, Technical Drawing & CAD, STEM (Science Technology Engineering and Mathematics), Automotive Service and Maintenance, and Small Engines. This broad technical background will aid in making future education and career choices. It is primarily a hands-on lab activity class with discussions to reinforce student learning. Students will be exposed to various career possibilities through discussions in class and lab experiences. Safety glasses are required and may be purchased at registration for approximately \$5.00.

**Semesters: 1**

## **Additional courses offered at Willowbrook HS:**

### **IT15113 Introduction to Engineering Design (IED) (Full-Year Course)**

**Prerequisite: None**

**Introduction to Engineering Design (IED)** is a high school level course for students who are interested in design and engineering. The major focus of the IED course is to expose students to design process, research and analysis, teamwork, communication methods, global and human impacts, engineering standards, and technical documentation. IED gives students the opportunity to develop skills and understanding of course concepts through activity-project, and problem-based (APPB) learning. Students will employ engineering and scientific concepts in the solution of engineering design problems. In addition, students use Auto Desk INVENTOR a 3D solid modeling design software package to help them design solutions to solve proposed problems. Students will develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges that increase in difficulty throughout the course. ***Honors Option is available. University credit is available.***

**Grades: 9, 10, 11, and 12**

**Semester: 2**

### **IT25045 Automotive Upkeep**

**Prerequisite: None**

Do you plan on owning a car? This course is designed to introduce students to the basic operation and maintenance of the automobile. Topics covered will be beneficial to ALL current and future car owners, both male and female, and will provide students with the skills necessary for owning and maintaining a car. This course will include classroom demonstrations and lab

activities including oil changes, under the hood inspections, under the car inspections, changing and rotating tires, replacement of essential maintenance parts on an automobile, and how to properly care for your vehicle. This is the first step to owning a vehicle. **Safety glasses and coveralls required. *Dual credit option is available through the College of DuPage at WBHS.***

**Grades:** 9, 10, 11, and 12

**Semester:** 1

### **IT55035 Digital Imaging**

Students will explore the many applications of digital media. The focus includes processing, comprehension, storage, printing, and professional display of images. Time will be dedicated to edit and utilize still shots as well as digital video. Student will learn how to manipulate images creatively from various genres including, but not limited to photo editing, illustrations, and typography. The Adobe Create Suite with emphasis in Adobe Photoshop will be used in production of projects.

**Semester:** 1

### **IT55213 Principles of Engineering**

**Prerequisite:** Introduction to Engineering

Principles of Engineering (POE) exposes students to major concepts they will encounter in a post-secondary engineering course of study. Topics include mechanisms, energy, statics, materials, and kinematics. Students develop problem-solving skills and apply their knowledge of research and design to create solutions to various challenges, document their work and communicate solutions, along with utilization of a 3D printer and APPB learning. This course will lead to paths of other specializations, including aerospace, biotechnical, civil engineering and architecture, computer integrated manufacturing, digital electronics, and engineering design and development. ***Honors Option is available. University credit is available.***

**Semester:** 1

### **IT55215 Computer Repair-Servicing**

**Prerequisite:** None

This course is designed to equip beginner and semi-experienced students with entry-level computer technician proficiencies. The course follows CompTIA A+ Certification objectives for computer hardware. Students will become proficient with computer hardware components including the motherboard, processor, memory, drives, power supplies, and other devices. Classroom activities including demonstrations, videos, and lab work to help master the theory and operation of computer hardware. This course follows industry-recognized curriculum and is strongly recommended for students who have an interest in pursuing Computer Servicing and Technology as a career or as a computer enthusiast. ***Dual Credit option is available through the College of DuPage at WBHS.***

**Semester:** 1

### **IT55285 Screen Printing**

**Prerequisite:** None

This is one of the introductory courses in Graphic Communications. It includes study and projects in the areas of layout and design, computer assisted design, desktop publishing, scanning, and an emphasis in screen-printing. Screen-printing is more than T-shirts and reflects a growing employment market. The projects will survey various stencil preparation methods. The projects are designed by the students and printed on a variety of materials. The student will learn the proper techniques and methods for printing on T-shirts, mirrors, posters and paper in single and multiple colors.

**Semester:** 1

### **IT55315 Woods 2**

**Prerequisite:** Woods 1

This course is a continuation of Woods I where students will enhance their woodworking skills by creating more complex projects that require them to follow proper project planning guidelines, safety procedures, machine operation techniques, and finishing techniques. Students choose which projects they will work on throughout the year. This is primarily a hands-on lab activity course with projects to reinforce student learning. All projects must have approval by the instructor before students begin work. Students are required to pay for the materials they use in class; price will vary depending on project and wood used. Safety glasses are required.

**Semesters:** 1

### **IT55325 Advanced Screen Printing and Production**

**Prerequisite:** Screen Printing

This course is a continuation of Screen Printing with a greater emphasis on equipment operation, long run production, and the creation of professional screen print designs. Varying levels of specialization are undertaken with emphasis upon the area of the student's choice. Activities and projects will allow students to develop the skills necessary to seek employment in the field of Graphic Communications. After a general level of competency is achieved, specific advanced skill development can be directed into the following areas: desktop publishing, design and screen-printing. Basic math computation skills and the ability to read a

ruler are recommended. **Completion of this course with a B average will provide dual credit with the College of DuPage.**

**Semesters: 1**

### **IT65185 Woods 1**

**Prerequisite: None**

This course will introduce students to basic woodworking skills. Students will learn how to properly operate and maintain woodworking tools and machines, learn to identify different types of wood, and the characteristics of various types of woods while completing basic projects. This is primarily a hands-on lab course where students learn through demonstration and project-based learning activities. Through the completion of projects and classroom activities, students will learn and improve skills in safety, organization, basic math, project planning, and reading. Safety glasses are required.

**Semesters: 1**

# ENGLISH



## **EN12013 English 9**

### **EN13023 English 9 Honors**

These courses combine the study of language and literature, including the short story, the novel, drama, the essay, and the narrative and lyrical poem, with a writing focus. These courses integrate research and writing skills with the study of vocabulary, grammar and literary classics. Special emphasis is given to basic language review, effective sentence writing, and paragraph development. Honors placement is made by the department and is based on teacher recommendation, placement scores, and prior grades. The final grade of the honors course is weighted. *Note: Students enrolled in English 9 Honors will participate in a summer reading program* **Either of these two courses satisfies the graduation “writing intensive” requirement.**

**Semesters: 2**

## **EN22043 English 10**

### **EN23053 English 10 Honors**

**Prerequisite: English 9**

These courses build upon the language arts skills established in English 9. Thematically-based units of instruction will reflect more difficult literary selections and writing which has more complex structure and vocabulary. Students will study the research process more in depth. Honors placement is made by the department and is based on teacher recommendation, placement scores, and prior grades. The final grade of the honors course is weighted. *Note: Students enrolled in English 10 Honors will participate in a summer reading program.* **Either of these two courses satisfies the graduation “writing intensive” requirement.**

**Semesters: 2**

## **EN32083 English 11**

### **EN23053 English 11 Honors (Willowbrook only)**

This courses surveys American literature from the Colonial period to the present. Much attention is given to our American heritage and to the development of American ideals and culture. Well-organized compositions are expected, and there is an extensive library research project. *Note: Students enrolled in English 11 Honors will participate in a summer reading program.* **Either of these two courses satisfies the graduation “writing intensive” requirement.**

**Semester: 2**

## **EN33093 AP English Language and Composition**

**Prerequisite: Departmental approval. Students will be selected by teacher recommendation and standardized test scores.**

This course offers a challenging program of literary study and rhetorical analysis designed to prepare the student to take the Advanced Placement Test in Language and Composition. A satisfactory score on this exam could result in students receiving college credit and/or advanced placement in those colleges that accept advanced placement credits. The curriculum includes an emphasis on major American writers and some world authors and philosophers of comparable literary merit. The primary focus will be on American fiction and non-fiction. Students participate in a summer reading program that requires a reading of several texts and the writing of critical responses. This is a high-weighted course. Students will take the AP exam, which currently costs \$89.00. **This course satisfies the English 11 requirement for graduation. Also, this course satisfies the graduation “writing intensive” requirement.** *Note: Students enrolled in AP English Language and Composition will participate in a summer reading program.*

**Semesters: 2**

## **EN44133 AP English Literature and Composition**

**Prerequisite: Departmental approval. Students will be selected by teacher recommendation and standardized test scores.**

This course offers a challenging program of literary analysis designed to prepare the student to take the Advanced Placement Test in Literature and Composition. A satisfactory score on this exam could result in students receiving college credit and/or advance placement in those colleges that accept advanced placement credit. The curriculum includes an emphasis on major English and some world authors of comparable merit from Sophocles to Shakespeare with an emphasis on British literature. Students participate in a summer reading program that requires the reading of several texts and the writing of critical responses. This is a high-weighted course. Students will take the AP exam, which currently costs \$89.00. **This course satisfies the graduation “writing intensive” requirement.** *Note: Students enrolled in AP English Literature and Composition will participate in a summer reading program.*

**Semester: 2**

### **EN45105 Creative Writing**

**Prerequisite:** English 9. This course may be taken multiple times in 9<sup>th</sup> through 12<sup>th</sup> grade.

Students will write, read, and analyze fiction. Several projects may include poetry, a one-act play, a short story, and, time permitting, a children's book. Ongoing work will include brainstorming sessions, literary analysis, practice of fictional writing techniques, definitions of fictional terms, reports on authors, and writer's workshop sessions. This course will not count as a graduation credit; however, the course will be an elective credit.

**Semester:** 1

### **EN45123 English 12 Core**

#### **EN45133 English 12 Honors (Willowbrook Only)**

**Prerequisite:** English 11

This course offers a challenging program in American and British fiction as well as nonfiction/informational texts. Extensive research and preparation for college-level writing will be the focus for this course. Analysis of drama including but not limited to an American playwright and Shakespeare. Written and oratorical arguments are created for real audiences and purposes, which will be another facet of this course's college-bound preparation. *Note: Students enrolled in English 12 Honors will participate in a summer reading program. Either of these two courses satisfies the graduation "writing intensive" requirement.*

**Semesters:** 2

### **EN45165 New Humanities-Cinema**

**Prerequisite:** English 10 and junior or senior standing, and may be taken multiple years

This course weaves together the study of film, literature, art, philosophy, psychology, history and social issues. It stresses communication, focusing upon the ways that film and required readings relay their messages. Students submit a variety of types of writing assignments: essays, reviews, and critical analyses. New Humanities combines the study of visual and written expression, and emphasizes a variety of thinking skills. This course may contain mature subject matter. This course will not count as a graduation credit; however, the course will be an elective credit.

**Semester:** 1

### **EN55065 Introduction to Speech**

**Prerequisite:** Sophomore standing

This is a course designed to teach students the basic elements of the communication process, further their listening skills, and afford students the opportunity to perform several different types of speeches in front of an audience. This class will stress the research, organization, and nonverbal aspects of speech presentation. Students will also study group dynamics and have the opportunity to work in small groups to discuss current issues. **This course is one semester and is a graduation requirement.**

**Semester:** 1

### **EN55135 Introduction to Theatre Arts**

This fine arts class is open to all students and is a full-credit, one semester English course. It will provide an overview of the Theatre Arts, from historical perspectives to current theatre. It will focus on various areas of theatre; the technical areas (including scenery, lights, props, costumes); the performance areas (including mime, improv and basic acting skills); and production concerns. Students will complete various projects demonstrating skills in these areas, including putting on their own performances. This course will not count as a graduation credit; however, the course will be an elective credit.

**Semester:** 1

### **EN55265 Acting 1**

**This course may be taken multiple times in 9<sup>th</sup> through 12<sup>th</sup> grade.**

Students work on analyzing and developing characters in order to perform scenes. Fun and dynamic units on film and television, pantomime, improvisation and ensemble building will prepare students for the final performance project. This course will not count as a graduation credit; however, the course will be an elective credit.

**Semesters:** 1

### **EN55275 Advanced Acting**

**Prerequisite:** Acting I. This course may be taken multiple times in 9<sup>th</sup> through 12<sup>th</sup> grade.

For the serious actor! Students will read, analyze and perform modern comedy/drama and Shakespeare. Students will also learn to master audition, improvisation, movement and vocal skills. They will also explore the personal/societal history of their characters and synthesize improvisation, movement, and vocal work into character development. Performances include monologues, scenes, and potentially a play.

**Semester:** 1

### **EN55323 Publications**

**Prerequisite:** None. This course may be taken multiple times in 9<sup>th</sup> through 12<sup>th</sup> grade.

Capture history in the making! Those who would like to demonstrate a proficiency in writing or layout design can register for this course. Publications teaches layout and design for several publications, focusing on yearbook and newspaper formatting.

Staff members conduct interviews, write stories, take photographs, edit, and use computers to design page-layouts. Students should demonstrate some proficiency in writing or computer skills and be capable of working independently. This course will not count as a graduation credit; however, the course will be an elective credit.

**Semesters: 2**

### **Additional courses offered at Addison Trail HS:**

#### **EN22073 English 10 - Journalism**

#### **EN22083 English 10 – Journalism Honors**

**Prerequisite: A or B in English 9 and consent of instructor.**

This course, an English-Journalism combination, may be taken in lieu of the regular English 10 requirement. Students electing this course will concentrate on developing their communication skills in the collecting, writing, and editing of news. In addition to reading, interpreting, and evaluating newspaper information, they will learn about the rights, responsibilities, and power of the press. Class activities will focus on helping students become effective communicators. Students will also study literature, further developing the comprehension and evaluation skills begun in the English 9 course.

**Semester: 2**

#### **EN32083 American Studies English**

This course is open to all juniors and will satisfy the requirements for English 11. Two periods count for American history and English 11 graduation requirements. An English teacher and a history teacher cooperate to develop important themes in American culture; students learn connections between our country's literature and its history. In addition to history and literature, American Studies explores other aspects of our culture such as art, music, and architecture. Additional resources outside the traditional classroom, supplemental speakers, and field trips are also used to enrich the American Studies curriculum. The classes frequently cooperate on common projects designed to help develop reading, writing and thinking skills. American Studies meets for two consecutive periods, and two credits in English and two credits in American History are earned for the year's study. An extensive research project is required. **This course satisfies the graduation "writing intensive" requirement.**

**Semesters: 2 (2 periods per day)**

### **Additional courses offered at Willowbrook HS:**

#### **EN45223 American Cultures: Contemporary Literature and the Arts**

**Prerequisite: English 11**

This course will examine the various cultures of contemporary America as they are reflected in the literature, film, music, and art that have been produced during the last fifty years. Students will use the journey motif to examine the American dream, immigration, minority perspectives, and America's role in the world. Creative projects based on a variety of writing styles will be collected in a course yearbook. This course contains mature content. This course will not count as a graduation credit; however, the course will be a two semester elective credit.

**Semesters: 2**

#### **EN55225 Introduction to Speech/Technology**

**Prerequisite: Sophomore standing**

This course is an integrated English/Business Education course designed to teach students the basic elements of oral communication in combination with technology. Students will perform several different types of speeches utilizing presentation software. The class also will stress research, listening skills, and the impact technology can bring to the communication process.

**This course is one semester/one period and fulfills the Speech graduation requirement. *Dual credit option is available and is earned in CTE through the College of DuPage at WBHS***

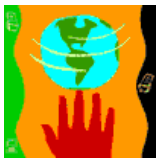
**Semesters: 1**

#### **EN55245 Public Speaking and Mass Communication**

**Prerequisite: Intro to Speech or Speech Tech with at least a C average**

The purpose of this class is to give students the opportunity to develop skills necessary to present facts, ideas, or information in a number of different formats which include informative speeches, persuasive speeches, debate and news broadcast. Students will learn different techniques in analyzing audiences, interviewing skills and oral presentation skills. Students will be introduced to mass media and its effectiveness in our society. This course will not count as a graduation credit; however, the course will be an elective credit.

**Semesters: 1**



## ENGLISH AS A SECOND LANGUAGE (ESL)

### **ES15013 ESL 1 (Beginning)**

This three period program offers two (2) periods of English skill instruction and one (1) period of reading. This beginning level ESL course is designed for students who need intensive entry-level assistance with listening, speaking, reading and writing English. Students receive both English and reading credit for their work. Exit criteria are based on standardized test scores, achievement of state standards, and teacher recommendation.

**Semesters: 2**

**(2-English credits), (2-Reading credits), (2-elective credits)**

### **ES25023 ESL 2 (Intermediate)**

This two-period program consists of one (1) period of English instruction and one (1) period of reading. Students continue to develop and strengthen literacy skills in listening, speaking, reading and writing English. Students receive both English and reading credit for their work. Exit criteria are based on standardized test scores, achievement of state standards, and teacher recommendation.

**Semesters: 2**

**(2-English credits), (2-Reading credits)**

### **ES35033 ESL 3 (Advanced)**

This two-period program consists of one (1) period of English instruction and one (1) period of reading. Students interpersonal language may have reached the level of a native speaker, but their academic language proficiency still places them at a disadvantage in content area classes taught in English. Emphasis is on attaining the English literacy skills needed to transition out of ESL classes. Exit criteria are based on standardized test scores, achievement of state standards, and teacher recommendation.

**Semesters: 2**

**(2-English credits), (2-Reading credits)**

### **ES55041/55042 ESL Resource**

Students enrolled in ESL are entitled to receive academic assistance in all content area classes. These academic resources are designed to meet the individual needs of the students' in academic skills building, homework assistance and personalized goal setting.

**Semesters: 1 & 2**

***\*Sheltered/ bilingual content area course descriptions are available through other departments to English Language Learners who need language assistance with content material. Below represents the list of other courses offered in the content areas to English Language Learners:***

BU55025 Sheltered Introduction to Business  
BU55053 ESL Keyboarding/Advanced Word Processing – AT  
BU55215 Sheltered Keyboarding – WB  
MA12323 Bilingual Algebra  
MA12333 Sheltered Algebra  
MA22353 Sheltered Geometry  
PE15035 Sheltered Health  
PE25065 Sheltered Driver Education / CPR  
SC12323 Bilingual General Science  
SC11223 Sheltered Biology  
SC21223 Sheltered Physical Science  
SC31113 Sheltered Earth Science -AT  
SC42123 Sheltered Physics -WB  
SS32083 Sheltered U.S. History - AT  
SS32165 Sheltered United States Government  
SS45175 Sheltered Economics  
SS12163 Sheltered Human Geography  
RD15073 Reading ESL I  
RD25083 Reading ESL II  
RD35093 Reading ESL III

# MATHEMATICS



## MA12063 Algebra

**Calculator Requirement:** Graphing Calculator (TI 83+ or TI84), no calculator with a symbolic manipulator allowed. Algebra is designed to prepare students to use algebraic concepts, terms, and symbols to solve problems. The course includes performing operations on real numbers and algebraic expression, solving equations in one and two variables, solving quadratic equations, using graph relationships, and data analysis. **Honors Option available at WB only.**  
**Semesters:** 2

## MA12323 Bilingual Algebra

**Calculator Requirement:** Graphing Calculator (TI 83+ or TI84), no calculator with a symbolic manipulator allowed. This course for Spanish-speaking students is designed to prepare students to use algebraic concepts, terms, and symbols to solve problems. The course includes performing operations of real numbers and algebraic expression, solving equations in one and two variables, solving quadratic equations, using graph relationships, and data analysis.  
**Semesters:** 2

## MA12333 Sheltered Algebra

**Calculator Requirement:** Graphing Calculator (TI 83+ or TI84), no calculator with a symbolic manipulator allowed. This course for the student with limited English proficiency is designed to prepare students to use algebraic concepts, terms, and symbols to solve problems. The course includes performing operations of real numbers and algebraic expression, solving equations in one and two variables, solving quadratic equations, using graph relationships, and data analysis.  
**Semesters:** 2

## MA22073 Geometry

**Calculator Requirement:** Graphing Calculator (TI 83+ or TI84), no calculator with a symbolic manipulator allowed. Geometry is the study of plane Geometry and includes some three-dimensional Geometry. Algebra is used as a tool to enhance the understanding of geometric concepts.  
**Semesters:** 2

## MA22353 Sheltered Geometry

**Calculator Requirement:** Graphing Calculator (TI 83+ or TI84), no calculator with a symbolic manipulator allowed. This course for the student with limited English proficiency is the study of plane Geometry and includes some three-dimensional Geometry. Algebra is used as a tool to enhance the understanding of geometric concepts.  
**Semesters:** 2

## MA23083 Geometry Honors

**Calculator Requirement:** Graphing Calculator (TI 83+ or TI84), no calculator with a symbolic manipulator allowed. Geometry Honors is the study of the mathematical system that develops plane and solid geometry through formal proof. In depth Algebra applications are used throughout the course.  
**Semesters:** 2

## MA32093 Advanced Algebra and Trigonometry

**Calculator Requirement:** Graphing Calculator (TI 83+ or TI84), no calculator with a symbolic manipulator allowed. Advanced Algebra and Trigonometry is designed to reinforce and expand algebraic concepts. The following advanced algebra topics will be covered: solving equations; systems of linear equations; quadratic equations; operations with polynomials; radicals; quadratic relations and systems; conic sections; exponential functions, logarithms and trigonometry  
**Semesters:** 2

## MA33103 Advanced Algebra and Trigonometry Honors

**Calculator Requirement:** Graphing Calculator (TI83+ or TI84), no calculator with a symbolic manipulator allowed. This course contains the traditional topics of an advanced algebra course in addition to trigonometry, sequences and series, matrices. A graphing calculator is used throughout the course.  
**Semesters:** 2

## MA33123 Algebra 2

**Calculator Requirement:** Graphing Calculator (TI83+ or TI84), no calculator with a symbolic manipulator allowed. Algebra 2 is designed to reinforce and expand algebraic concepts. The following algebra topics will be covered: the set of complex numbers; solving equations; systems of linear equations; linear inequalities; systems of linear inequalities; quadratic equations;

operations with polynomials; radicals; quadratic relations and systems; conic sections; exponential functions; logarithms; and trigonometry.

**Semesters: 2**

### **MA42123 Precalculus**

**Calculator Requirement: Graphing Calculator (TI83+ or TI84), no calculator with a symbolic manipulator allowed**

Precalculus prepares the student for the study of calculus. Topics include sequences and series; polynomial functions; exponential and logarithmic functions; analytic geometry; complex numbers; trigonometry and circular functions.

**Semesters: 2**

### **MA43133 Precalculus Honors**

**Calculator Requirement: Graphing Calculator (TI83+ or TI84), no calculator with a symbolic manipulator allowed**

This course prepares the student for the study of calculus. Topics include sequences, series, limits; polynomials, rationals, logarithmic, and exponential functions; analytic geometry; complex numbers; trigonometry, parametric equations, circular functions; polar coordinates; vectors and determinants.

**Semesters: 2**

### **MA44213 AP Calculus AB**

**Calculator Requirement: Graphing Calculator (TI83+ or TI84), no calculator with a symbolic manipulator allowed**

Calculus AB is designed to prepare the student for the Calculus AB Advanced Placement Examination. A satisfactory score on this exam could give the student credit and advanced placement at college. This course includes limits and continuity; differentiation of algebraic functions; applications of the derivative; the definite integral; trigonometric and exponential functions; formal integration; applications of the integral.

**Semesters: 2**

### **MA44223 AP Calculus BC**

**Calculator Requirement: Graphing Calculator (TI83+ or TI84), no calculator with a symbolic manipulator allowed**

Calculus BC is designed to prepare the student for the Calculus BC Advanced Placement Examination. A satisfactory score on this exam could give the student credit and advanced placement at college. This course includes limits and continuity; differentiation of algebraic functions; applications of the derivative; the definite integral; trigonometric and exponential functions; formal integration; applications of the integral, polar coordinates; vectors; parametrically defined functions; sequences and series; elementary differential equations.

**Semesters: 2**

### **MA44243 AP Statistics**

**Calculator Requirement: Graphing Calculator (TI83+ or TI84), no calculator with a symbolic manipulator allowed**

**AP Statistics** is designed to prepare the student for the Statistics Advanced Placement Examination. A satisfactory score on this exam could give the student credit and advanced placement in college. This course includes analysis of data, planning and conducting a research study, producing models using probability and simulation, and methods of statistical inference. Students who plan to take an AP science course in their senior year will benefit greatly from AP Statistics in the junior year.

**Semesters: 2**

### **MA44263 College Algebra**

**Calculator Requirement: Graphing Calculator (TI83+ or TI84), no calculator with a symbolic manipulator allowed**

College algebra is designed to prepare students for a college credit-bearing mathematics course. Successful completion of the course will prepare students to take a college placement test (COMPASS). College algebra will expand on algebraic concepts with a concentration on the following topics: solving equations; systems of linear equations; quadratic equations; operations with polynomials; radicals; quadratic relations and systems; rational functions; exponential functions, and logarithms.

**Semesters: 2**

### **MA54203 AP Computer Science**

Advanced Placement Computer Science will introduce many of the programming concepts that are covered in a first year college computer science course and prepare the student for the Computer Science Advanced Placement Exam. Using the Java Language, the topics include: string manipulation, recursion, analysis of searching and sorting algorithms, structures, and classes.

**Semesters: 2**

### **MA55183 Computer Science**

Computer Science will explore programming concepts, the elements of Visual Basic language, and an introduction to JAVA. Structured programming principles such as problem solving, object-oriented programming, structured coding, and programming style will be emphasized. Programming applications range from standard numeric processing to problems in the real world.

**Honors Option is available at AT and WB.**

**Semesters: 2**

## **MA55193 Computer Science 2: Mobile App Development**

Computer Science 2: Mobile App Development continues the development of computer programming, but is specific to programming applications for mobile devices. Students use previous knowledge learned through Computer Science or AP Computer Science with the programming language LUA to create the apps. Students will start with the basics and templates as they build towards creating their very own app.

**Semesters:**2

### **Additional courses offered at Addison Trail HS:**

## **MA42153 Statistics**

**Calculator Requirement: Graphing Calculator (TI 83+ or TI84), no calculator with a symbolic manipulator allowed** The course is a one-year statistics course designed for college bound students who have an interest in biology, business, psychology, education, mathematics and/or the medical careers. The TI-83+ graphing calculator technology has been incorporated throughout the course with an emphasis on hands-on investigations. Topics include organizing data, regression correlations, normal distributions, binomial and geometric distributions, inference, probability, and significance. Simulations will be explored as a technique for solving real-world problems.

**Semesters:** 2

## **MA44253 Calculus**

**Calculator Requirement: Graphing Calculator (TI 83+ or TI84), no calculator with a symbolic manipulator allowed.**

Calculus is designed to prepare the student for college level calculus. The course is designed to move as quickly as learning allows with topics including limits and continuity; differentiation of algebraic functions; applications of the derivative; the definite integral; trigonometric and exponential functions; formal integration; applications of the integral.

**Semesters:** 2



# MUSIC

## Music Honors Option

Students enrolled in courses below marked **Honors Option** can elect to receive weighted credit. To earn this credit, students do all the regular coursework and then also prepare advanced performance materials including the ILMEA audition, solo and ensemble literature, and keep a performance reflection journal. Honors performance recitals are held each semester to showcase students work.

## **GUITAR**

### **MU55033 Beginning Guitar**

#### **No prerequisite**

This class is open to any students with little or no previous training on the guitar. This class combines group instruction with supervised practice. Students will learn to read and play music in a developmental sequence. Elements of basic guitar technique will be studied including tuning, fingering, basic strum patterns, elementary chords, and reading music notation. Second semester will deal with more advanced strum patterns, bar chords, and classical guitar techniques.

**Semesters: 2**

### **MU55053 Guitar Ensemble**

#### **Prerequisites: Beginning Guitar or Consent of Instructor.**

Guitar Ensemble is for guitarists wishing to continue studies of Guitar playing after Beginning Guitar or for students who already have guitar skills and can read music. The Guitar Ensemble will perform at school concerts and community events, as well as study music of these styles: Classical, Jazz, World, Rock, Alternative, and other varieties of popular music. ***Honors Option is available.***

**Semesters: 2**

## **STRINGS**

### **MU15073 Symphony Orchestra**

#### **Prerequisite: Membership by audition.**

This course is open to those who play violin, viola, cello, or string bass. Activities include the study of symphony orchestra compositions from various style periods of music history. Emphasis is placed upon interpretation, ensemble skills, style, and individual tone quality and intonation. This group performs regularly during the school year. ***Honors Option is available.***

**Semesters: 2**

### **MU25053 Chamber Orchestra**

#### **Prerequisite: Membership by audition.**

String students seeking the highest level of performance in the orchestra may audition for Chamber Strings. Chamber Music is used for community performances, and students study advanced string techniques and ILMEA music. Honors Option is available at AT and WB.

**Semesters: 2**

***Additional courses offered at Addison Trail HS:***

## **VOCAL**

### **MU15043 Beginning Mixed Chorus**

#### **No prerequisite**

Beginning Mixed Chorus is a group designed for beginning singers at all grade levels. Students will learn fundamentals of singing technique, music theory, and ear-training skills. This choir will perform at all concerts throughout the year. These students may be placed in "Concert Choir" based on class enrollment. ***Honors Option is available.***

**Semesters: 2**

### **MU25083 Treble Choir**

#### **Prerequisite: Membership by audition or teacher approval.**

Treble Choir is comprised of 18-24 advanced female vocalists. The group will focus on Soprano/Soprano/Alto/Alto repertoire and build upon prior knowledge of singing technique, music theory, and ear-training skills. This choir will perform at all concerts throughout the year. ***Honors Option is available.***

**Semesters: 2**

### **MU35093 Concert Choir**

**Prerequisite: Membership by audition or teacher approval**

Concert Choir is a mixed chorus designed for intermediate singers in their sophomore, junior, or senior year. Students will build upon prior knowledge of singing technique, music theory, and ear-training skills and perform a more advanced repertoire. This choir will perform at all concerts throughout the year. *Honors Option is available.*

**Semesters: 2**

## **WINDS & PERCUSSION**

### **MU15013 Symphonic Band**

**Prerequisite: Membership by audition**

This band is for all freshmen, and for sophomore, junior, and senior students who have previous band experience. Emphasis is given to the development of musicianship through scales, arpeggios, and suitable literature. The band performs at athletic events, parades, concerts, and contests. The individual members prepare solos and participate in small ensembles for the class and, if they wish, for competitions. Attendance at sectionals is required. Students who successfully complete the performance objectives may advance to the Wind Ensemble. *Honors Option is available.*

**Semesters: 2**

### **MU35103 Jazz Ensemble**

**Prerequisite: Membership by audition.**

The Jazz Ensemble is an ensemble that performs jazz/rock and other styles. Any student may audition for Jazz Ensemble. Rehearsals are held at mutually convenient times for the students and teacher and performances are given at school concerts and community events. Emphasis will be on developing each student's improvisational skills and the ability to perform different styles of music. *Honors Option is available.*

**Semesters: 2**

### **MU55303 Music Production**

Music Production is a career-focused course designed for students interested in all aspects of music and music production. Student projects will include a music video, video game/movie soundtrack composition, live sound recording techniques, learning how to DJ, Creating promotional materials, and basic music theory.

**Semesters: 2**

## **Additional courses offered at Willowbrook HS:**

## **VOCAL**

### **MU15043 Beginning Mixed Chorus**

The Beginning Mixed Chorus the entry level choir and open to freshman through seniors. No experience is necessary to register for this choir. Students will learn proper vocal technique, music literacy, and the fundamentals of choral singing. This choir performs in five major concerts during the school year. *Honors Option is available.*

**Semesters: 2**

### **MU25083 Treble Choir**

**Prerequisite: Membership by audition.**

The Treble Choir is comprised of treble voices (SSA) and performs women's literature of the highest quality. This course focuses on proper vocal technique, music literacy, and vocal independence. Entry to this choir is by audition with the director. The Treble Choir performs in five major concerts during the school year on campus and also shares their music with the community through run-out performances. *Honors Option is available.*

**Semester: 2**

### **MU35093 Concert Choir**

Concert Choir is the highest level of choir at Willowbrook. This mixed ensemble (SATB) performs choral music of the highest quality often singing in many different languages. It is a goal for this choir to sing in many acoustically wonderful spaces. This course focuses on proper vocal technique, music literacy, and vocal independence. The Concert Choir performs in five major concerts during the school year, assemblies, school events and community performances. Entry to this choir is by audition with the director. *Honors Option is available.*

**Semesters: 2**

## **WINDS & PERCUSSION**

### **MU25063 Wind Ensemble**

**Prerequisite: Membership by audition.**

The Wind Ensemble includes students who have attained a high level of proficiency on their instrument. Musical ability and a positive mental attitude, along with a desire to achieve fine musical results, are the prime requisites for this organization. The band performs at athletic events, parades, concerts, and contests. The individual members prepare solos and participate in small ensembles for the class and, if they wish, for competitions. Attendance at sectionals is required. Membership in the band is through audition or permission of the director. *Honors Option is available.*

**Semesters: 2**

### **MU55193 Percussion Method**

**Prerequisite: None**

Percussionists not in the Symphonic Band or Wind Ensemble enroll in Percussion Methods. Technique on snare drum, keyboard instruments, and timpani is emphasized. Members of this class form the percussion section for the Symphonic Band and the Freshman Band. Non-freshman percussionists are members of the Marching Band and all class members will participate in Pep Band. Percussion ensemble is also a featured part of this class. *Honors Option is available.*

**Semesters: 2**

### **MU15203 Freshman Band**

**Prerequisite: Membership in middle school band or audition for the teacher.**

The Freshman Band groups together all ninth grade wind players. Concentrated drill on the major and minor scales and arpeggios is emphasized as well as basic rhythmic counting. Students will gain an understanding of the basic performance skills needed for the high school level. Freshman Band will perform in formal concerts at least four times a year. In addition, marching fundamentals will be presented. The Freshman Band members will perform with the Marching Warriors in selected parades and with the pep band at home basketball games. The Freshman Band may also provide opportunity for participation in band contests or festivals and for solo and ensemble performance. *Honors Option is available.*

**Semesters: 2**

### **MU15013 Symphonic Band**

**Prerequisite: Membership by audition**

This band is for all sophomore, junior, and senior students who have previous band experience. Emphasis is given to the development of musicianship through scales, arpeggios, and suitable literature. The band performs at athletic events, parades, concerts, and contests. The individual members prepare solos and participate in small ensembles for the class and, if they wish, for competitions. Attendance at sectionals is required. *Honors Option is available.*

**Semesters: 2**

## **OTHER MUSIC COURSES OFFERED DISTRICT-WIDE**

### **MU55023 Class Piano**

**No prerequisite**

This course is designed for students who wish to learn basic keyboard skills or to improve on skills already learned. Students will learn how to read musical notation and use basic fingerings and chord patterns. In the second semester, sight-reading, improvisation and harmonization will be studied.

**Semesters: 2**

### **MU54123 AP Music Theory**

**Prerequisite: 4 music credits with a "B" average.**

This high-weighted course will examine the fundamentals of musical structure through many different techniques including written analysis, listening, composing ear training, singing, and playing. Elements of music, music history, music analysis, and aural skills will be studied and developed. Students will be prepared to take the AP Music Theory Exam at the end of the course.

**Semesters: 2**



# PHYSICAL EDUCATION

## **PE15015 Physical Education 9**

Students will be involved in a variety of activities with an emphasis on personal fitness.

**Semesters: 1**

## **PE15025 Health**

This course deals with intellectual, psychological, and social dimensions relating to activities which will educate the students on how to make informed decisions affecting themselves, their family and community well being. **The successful completion of the Health proficiency component is required for graduation.**

**Semesters: 1**

## **PE15035 Sheltered Health**

This classroom course is offered to any student that does not have English as their native language. The course deals with intellectual, psychological, and social dimensions relating to activities which will educate the students on how to make informed decisions affecting themselves, their family and community well-being. **The successful completion of the Health proficiency component is required for graduation.**

**Semesters: 1**

## **PE25045 Physical Education 10**

Students will be involved in a variety of activities with an emphasis on personal fitness.

**Semesters: 1**

## **PE25055 Classroom Driver Education / CPR Training / D.A.R.E.**

Students will be given the state mandated thirty (30) hours of classroom driver education instruction, along with learning CPR and other life threatening emergency techniques.

**Semesters : 1**

## **PE25065 Sheltered Driver Education / CPR**

This classroom course is offered to any student that does not have English as their native language. Students will be given the state mandated thirty (30) hours of classroom driver education instruction, along with learning CPR and other life threatening emergency techniques.

**Semesters: 1**

## **PE35073 Physical Education 11/12**

**Prerequisite: Junior/Senior standing**

Students will be involved in a variety of activities with an emphasis on personal fitness. Lifetime fitness activities will also be included during this unit.

**Semesters: 2**

## **PE45113 PE SENIOR Leaders**

**Prerequisite: Successful completion of Leadership Training**

**(AT & WB -Seniors only)**

Students will continue practicing leadership skills by assisting Physical Education classes in the areas of skill development and assessment.

**Semester: 1**

## **PE55085 Dance/ Aerobic Exercise (Semester)**

## **PE55083 Dance/ Aerobic Exercise (Full Year)**

**Prerequisite: Junior/Senior standing**

The purpose of this class is to present a variety of different dance styles, along with various aerobic activities. Students will participate in group fitness exercise workouts that will improve their personal fitness levels.

**Semesters: 1 or 2**

## **PE55093 Weight Training/Conditioning**

**Prerequisite: Junior/Senior standing**

This class is designed to provide individualized instruction in strength and cardiovascular endurance through weight training and running. Students will learn and perform proper training techniques.

Cardiovascular conditioning will also be included in this total fitness-based class.

**Semester: 2**

### **PE55125 Adapted Physical Education**

This course is designed to meet the Physical Education requirement of individuals who are physically unable to participate in the regular Physical Education curriculum. Students will be provided a variety of activities and teaching procedures that are specific to the physical limitations of individual students.

**Semesters: 1**

### **PE55145S1 Online Individualized Fitness and Training**

### **PE55155S2 Online Individualized Fitness and Training**

The objective of the online physical education course is to keep students actively engaged in physical fitness while allowing them to have the flexibility to take additional courses during the day. Students enrolled in this course will be expected to upload daily exercise data and complete weekly online assignments.

**Semesters: 1**

#### **Additional courses offered at Addison Trail HS:**

### **PE35103 Junior Leadership Training (Year Long)**

**(Juniors only)**

**Prerequisite: Teacher recommendation**

This course is designed to allow students, who have excelled in previous physical education classes and have completed the Physical Educational Leadership class to practice the principles and skills of leadership in regular Physical Education classes.

**Semester: 2**

### **PE55173 Learning Readiness PE**

Learning Readiness Physical Education was designed based on research indicating that students who are physically active and fit are more academically alert and experience growth in brain cells or enhancement in brain development. Addison Trail pairs a physical education class that incorporates cardiovascular exercise, core strength training, cross lateral movements, literacy, and math strategies with literacy and math classes, that utilizes movement to enhance learning and improve achievement.

**Semesters: 1**

#### **Additional courses offered at Willowbrook HS:**

### **PE35105 Leadership Training (Semester)**

**(Juniors only)**

The course is designed to prepare each student in becoming an effective Physical Education Leader by teaching leadership, knowledge of each sport, and being a positive role model. Each student will be expected to use his/her leadership skills by leading his/her peers in warm-up, cool-down, sport activity, and fitness days throughout the semester. At the end of the semester all leaders will be required to complete the written final exam and project. In order to be assigned a Physical Education Leader the following semester, the student must meet the following criteria:

- Must receive an "A" in the class
- Must have demonstrated competent leadership

**Semester: 1**

### **PE55053 Fitness & Nutrition**

**Prerequisite: Junior or Senior status**

Fitness & Nutrition is an inter-departmental course taught by the Physical Education and Family & Consumer Science departments. The focus of the course is upon physical fitness activities that can be pursued into adulthood and today's nutritional needs. Included topics are body composition testing, computer dietary analysis, laboratory experiences in nutritional food preparations and physical conditioning activities, like yoga and balance movements. **This course can fulfill daily PE requirement. Dual Credit option is available for Juniors, and Senior through College of DuPage at WBHS.**

**Semester: 2**

### **PE55133 Individualized Fitness and Training**

Students will learn how to develop and implement personalized fitness plans that are tailored to their specific fitness needs and goals. Students will gain a stronger knowledge base of strength training anatomy, physiology and fitness safety which will aid them in reaching their goals as well as lessen the chance of injury while they train now and into their post-secondary lives.

**Semesters: 2**



## READING

### **RD53015 College Literacy Strategies**

Juniors and seniors who have been deferred from reading placement and whose NCE scores are between 40.0 and 59.0 are scheduled for College Literacy Strategies. This one-semester course fulfills District 88 reading graduation requirements and focuses on research skills, advanced vocabulary building, college test preparation, and other post-high school skills.

**Semesters: 1**

### **RD55253 Reading 2 (11-12) Remedial Reading Intervention**

Juniors and seniors reading at a Normal Curve Equivalent (NCE) level between 30 and 40, and/or not yet meeting EPAS requirements are assigned to Reading 2 (11-12). Placement is based on standardized test scores, EPAS scores, and teacher recommendation. The class focuses on building comprehension and vocabulary skills to support college and career success. Students must meet exit criteria to be withdrawn from the class.

**Semesters: 2**

### **RD55153 Reading 2 – (9-10) Remedial Reading Intervention**

Freshmen and sophomores reading at a Normal Curve Equivalent (NCE) level between 30 and 40, and/or not yet meeting EPAS requirements are assigned to Reading 2 (9-10). Placement is based on standardized test scores, EPAS scores, and teacher recommendation. The class focuses on building comprehension and vocabulary skills, using materials requiring literal, inferential and critical thinking. Students must meet exit criteria to be withdrawn from the class.

**Semesters: 2**

### **RD55163 Reading 3 – Remedial Reading Intervention**

Freshmen through seniors reading at a Normal Curve Equivalent (NCE) level between 1 and 29, and/or not yet meeting EPAS requirements are assigned to Reading 3. Placement is based on standardized test scores, EPAS scores, and teacher recommendation. Each student will be assessed using a Qualitative Reading Inventory in order to diagnose reading deficits. They will then receive intensive individual interventions. Progress monitoring will be done on a regular basis, using various classroom measurements. Students must meet exit criteria to be withdrawn from the class.

**Semesters: 2**

### **RD15073 Reading ESL I**

This one-period course is designed for intensive reading instruction in English for students whose basic language skills and cognitive academic language proficiency make it almost impossible for them to succeed in classes where the language of instruction is English. The course emphasis is on acquiring the comprehension and vocabulary skills necessary to become proficient readers, writers and speakers of the English language. Students enrolled in this course are concurrently registered in English as a Second Language I. Students enrolled in Reading ESL I are eligible to receive tutoring in all content area classes at no cost to them. Exit criteria are based on standardized test scores, achievement of state standards, and teacher recommendation.

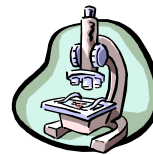
### **RD25083 Reading ESL II**

This one-period course provides continued intensive reading instruction in English for students whose basic interpersonal language has developed to a level that allows them to begin reading independently in English, but whose cognitive academic language proficiency makes it difficult for them to succeed in classes where the language of instruction is English. The course emphasis is on acquiring the comprehension and vocabulary skills necessary to become proficient readers, writers and speakers of the English language. Students enrolled in this course are concurrently registered in English as a Second Language II. Students enrolled in Reading ESL II are eligible to receive tutoring in all content area classes at no cost to them.

Exit criteria are based on standardized test scores, achievement of state standards, and teacher recommendation.

### **RD35093 Reading ESL III**

This one-period course continues to develop reading skills in English for students whose basic interpersonal language has reached the level of native speakers, but whose cognitive academic language proficiency still places them at a disadvantage in classes where the language of instruction is English. The course emphasis is on acquiring the comprehension and vocabulary skills necessary to become proficient readers, writers and speakers of the English language. Students enrolled in this course are concurrently registered in English as a Second Language III. Students enrolled in Reading ESL III are eligible to receive tutoring in all content area classes at no cost to them. Exit criteria are based on standardized test scores, achievement of state standards, and teacher recommendation.



## SCIENCE

### SC11223 Sheltered Biology

Placement for ESL II or ESL III students. This course for English Language Learners covers the basic principles of biology through laboratory and classroom activities at a level and pace that should provide the student with limited reading ability a successful experience.

**Semesters: 2**

### SC12023 Biology

Placement based on reading scores, math scores, and 8th grade science placement scores. This course offers the student an opportunity to become acquainted with the fundamental process carried on by living organisms and the relationship existing between the organisms and their environment. The concepts of form and function, reproduction and genetics, populations and ecosystems, diversity and adaptation, and biological systems will be addressed by this course. In addition to the content, considerable laboratory work will be performed.

**Semesters: 2**

### SC13183 Biology Honors

Placement based on reading scores, math scores, and 8th grade science placement scores. This high-weighted honors course in biology is an accelerated program with an emphasis at the molecular level. The course emphasizes conceptual skills dealing with experimentation and the scientific method. Extensive lab and written work.

**Semesters: 2**

### SC21223 Sheltered Physical Science

Placement for ESL II or ESL III students. This course will give students a thorough understanding of the concepts of chemistry and physics. It emphasizes the major topics, laboratory skills, and principles of the physical sciences through extensive experimentation, group discovery, and discussion.

**Semesters: 2**

### SC31073 Sheltered Chemistry

Placement for ESL II or ESL III students. This course will give students a thorough understanding of the concepts of chemistry. It emphasizes the major topics, laboratory skills, and principles of the chemistry through extensive experimentation, group discovery, and discussion.

**Semesters: 2**

### SC31173 Bilingual Chemistry

**Prerequisite:** Placement based on completion of Algebra with a C or better, completion of Physical Science, or teacher recommendation

Chemistry is designed to introduce the principles and laws that apply to chemical changes and to explore their applications to daily experiences. Laboratory experiments provide a basis for experiencing and interpreting chemical activities. This course is recommended for all students who plan to attend college. *Couse is thought in Spanish.*

**Semesters: 2**

### SC32073 Chemistry

**Prerequisite:** Placement based on completion of Algebra with a C or better, completion of Physical Science, or teacher recommendation

Chemistry is designed to introduce the principles and laws that apply to chemical changes and to explore their applications to daily experiences. Laboratory experiments provide a basis for experiencing and interpreting chemical activities. This course is recommended for all students who plan to attend college.

**Semesters: 2**

### SC33083 Chemistry Honors

**Prerequisite:** Placement based on completion of Honors Biology, Algebra, and/or Geometry with a B or better, or teacher recommendation

Chemistry Honors will study the concepts of chemistry in great depth through a problem solving and experimental approach involving extensive data collection and processing. A solid foundation in algebra and self-disciplined study habits are characteristics of successful students in this program. Those students who are planning on entering a science related field or program at the college or university level should take this course.

**Semesters: 2**

## **SC42113 Physics**

**Prerequisite:** Placement based on completion of Biology and a Physical Science, completion or concurrent enrollment in trigonometry

Physics is a college preparatory course based on laboratory experimentation, demonstrations and the application of basic algebra and geometry to the principles that govern the universe. There is extensive use of computers and graphical tools.

**Semesters:** 2

## **SC44063 AP Biology**

**Prerequisite:** Placement based on completion of Biology and Chemistry (preferably honors) and teacher recommendation

The Advanced Placement Biology course is a high-weighted course designed to meet the objectives of a first-year college general biology course and prepares students to take the AP Exam. Topics include biochemistry, cell biology, genetics, biotechnology, evolution, biodiversity and ecology. This course will involve extensive laboratory experiences requiring time before or after school.

**Semesters:** 2

## **SC44093 AP Chemistry**

**Prerequisite:** Placement based on completion of Biology and Chemistry (preferably honors) and teacher recommendation

The Advanced Placement Chemistry course is designed to meet the objectives of a first-year college general chemistry course, with the focus on test preparation for the AP exam. Topics include atomic theory, chemical bonding, states of matter, reactions, acid-base chemistry, stoichiometry, electrochemistry, equilibrium, kinetics, and thermodynamics. There is an emphasis on the quantitative aspects of chemical concepts and of the formulation of principles.

**Semesters:** 2

## **SC44133 AP Physics 1**

**Prerequisite:** Passing Honors Biology, Honors Chemistry, Honors Geometry and Honors Advanced Algebra with a minimum grade of C.

**Algebra-Based** is the equivalent to a first-semester college course in algebra-based physics. The course covers Newtonian mechanics (including rotational dynamics and angular momentum); work, energy, and power; and mechanical waves and sound. It will also introduce electric circuits. Science practices are emphasized. The ability to develop and use physics knowledge by applying it to the practice of scientific inquiry and reasoning is at the heart of the new physics courses and exams. Scientific inquiry will be used to promote a more engaging and rigorous experience for AP Physics students. Inquiry-based investigations are emphasized. The amount of instructional time devoted to laboratory investigations is 25 percent. These investigations foster student engagement in the practice of science through experimenting, analyzing, making conjectures and arguments, and solving problems in a collaborative setting, where they direct and monitor their progress toward an academic goal.

**Semesters:** 2

## **SC44143 AP Physics 2**

**Prerequisite:** Completion of AP Physics 1 and Honors Pre-Calculus with a minimum grade of C.

**Algebra-Based** is the equivalent to a second-semester college course in algebra-based physics. The course covers fluid mechanics; thermodynamics; electricity and magnetism; optics; and atomic and nuclear physics. Science practices are emphasized. The ability to develop and use physics knowledge by applying it to the practice of scientific inquiry and reasoning is at the heart of the new physics courses and exams. Scientific inquiry will be used to promote a more engaging and rigorous experience for AP Physics students. Inquiry-based investigations are emphasized. The amount of instructional time devoted to laboratory investigations is 25 percent. These investigations foster student engagement in the practice of science through experimenting, analyzing, making conjectures and arguments, and solving problems in a collaborative setting, where they direct and monitor their progress toward an academic goal.

**Semesters:** 2

### ***Additional courses offered at Addison Trail HS:***

## **SC24143 Bio-Medical Science**

**Science elective: Open to Freshmen and Sophomores.**

This course provides an introduction to the biomedical sciences through exciting hands on projects and problems. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. They determine the factors that led to the death of a fictional person, and investigate lifestyle choices and medical treatments that might have prolonged the person's life. The activities and projects introduce students to human physiology, medicine, research processes and bioinformatics. Key biological concepts including homeostasis, metabolism, inheritance of traits, and defense against disease are embedded in the curriculum. Engineering principles including the design process, feedback loops, and the relationship of structure to function are also incorporated. This course is designed to provide an overview of all the courses in the Biomedical Sciences program and lay the scientific foundation for subsequent courses.

**Semesters:** 2

### **SC31103 Earth/Space Science**

**Prerequisite: Biology**

This laboratory-based course will emphasize the development of essential skills for life long success while exploring how humans interact with earth and space. Topics include the changing earth, energy flow, earth resources and cosmology. Geometric concepts will be integrated into this course.

**Semesters: 2**

### **SC31113 Sheltered Earth/Space Science**

Placement for ESL II or ESL III students. This course for English Language Learners will emphasize the development of essential skills for life long success while exploring how humans interact with earth and space. Topics include the changing earth, energy flow, earth resources and cosmology. Geometric concepts will be integrated into this course.

**Semesters: 2**

### **SC31053 Ornamental Horticulture**

**Prerequisite: Biology**

The major aim of Ornamental Horticulture is to give the student practical experiences needed to enter ornamental horticulture occupations. These experiences take place outdoors, in the greenhouse, and in the home environment. Emphasis is placed on greenhouse crop production; landscape design, construction and management; turf grass management; floriculture and floral design. There is a minimum of traditional classroom activity as emphasis is centered on greenhouse and hands on experience.

**Semesters: 2**

### **SC31153 Greenhouse Operation and Management**

**Prerequisite: Ornamental Horticulture**

Advanced work in four areas of Horticultural Science will be emphasized namely propagation of plants (both asexually and sexually, plant nutrition and soils, bedding plant production, merchandising, and greenhouse management. Each student will select and complete a significant project in the area of his/her particular interest.

**Semesters: 2**

### **SC32193 AP Environmental Science**

**Prerequisites: Biology, Chemistry (or Physical Science with an A), Algebra**

The goal of the AP Environmental Science course is to provide students with the scientific concepts and methodologies that are required for them to understand the interrelationships of the natural world. The course is a full-year course intended to be the equivalent of a one-semester introductory college level course in Environmental Science and prepares students to take the AP exam. The course is interdisciplinary; it stresses scientific concepts in geology, biology, chemistry, geography, environmental ethics, and economics. Topics include: global water resources, ecosystem diversity, energy flow, soil dynamics, weather and climate change, impacts of population growth, land use and conservation, alternative energy sources and pollution. This course will involve extensive laboratory experiences, possibly requiring time before or after school.

**Semesters: 2**

### **SC35143 Anatomy & Physiology**

Anatomy & Physiology is an elective science class in which the students study the basic anatomy and physiology of the human organism. Included in the class is an extensive laboratory program designed to illustrate physiological concepts. The class is designed not only for students interested in pursuing a medical career, but also for the interested biology student. **This is a prerequisite for the Medical Careers Class.**

**Semesters: 2**

### **SC55165 Medical Careers**

**Prerequisite: Open to seniors only with completion or concurrent enrollment in Anatomy and Physiology, departmental approval**

Anatomy & Physiology must have been taken previously or while enrolled in Medical Careers. Medical Careers is a one semester, two period course that is cosponsored by Addison Trail HS and GlenOaks Medical Facility. Through this course, students experience the duties performed by many medical professionals. Students spend three hours a week at GlenOaks and four hours a week at Addison Trail. When at the hospital, the students will be under the direction of medical professionals.

**Semesters: 1**

**Additional courses offered at Willowbrook HS:**

### **SC32203 Environmental Science**

**Prerequisite: Biology**

Students will examine human influences on the environment. Basic ecological concepts will be explored including population dynamics, pollution, biomes and biodiversity, conservation and resource overuse. Current events and environmental case studies will be discussed.

**Semesters: 2**

### **SC34143 Human Anatomy & Physiology Honors**

**Prerequisite: Biology and Chemistry with a grade of “C” or better or recommendation of teacher. (A Chemistry prerequisite is strongly recommended)**

This high-weighted course is an elective offered after the tenth grade. The course is a concentrated study of the anatomy and functions of the organ systems of the human body. The course is recommended for college bound students, especially those who plan on entering a medical related field.

**Semesters: 2**

### **SC42123 Sheltered Physics**

Placement for ESL II or ESL III students. This course for English Language Learners is based on laboratory experimentation, demonstrations and the application of basic algebra and geometry to the principles that govern the universe.

**Semesters: 2**

### **SC55223 Comparative Zoology**

**Prerequisite: Biology**

Live animals in the classroom provide students with an understanding of animal anatomy, nutrition, care and diseases. Humane laboratory experiments are conducted on small mammals, fish, birds, reptiles and amphibians. In addition, students are given information on career opportunities in the field of animals and are provided with realistic views of the requirements and responsibilities of these careers. Topics of study include zoonotic diseases, ecology, taxonomy, evolution, animal behavior, and current events.

**Semesters: 2**



## SOCIAL STUDIES

### **SS12123 Human Geography**

This course engages student interest in the social sciences by connecting contemporary "what" and "where" questions to the historical "why" questions. Students will engage in the systematic study of patterns and processes that have shaped the human understanding of, use of, and alteration of Earth's surfaces. It explores the location of countries and human institutions (ethnic groups, cities, and industries) and examines why and how they exist. Students will employ spatial concepts and landscape analysis to examine human social organization and its historical and environmental consequences.

**Semesters: 2**

### **SS12163 Sheltered Human Geography**

**Prerequisite: Placement in this class is based on recommendations of both the E.S.L. and Guidance departments**

Designed for students with limited English language proficiency, this course engages student interest in the social sciences by connecting contemporary "what" and "where" questions to the historical "why" questions. Students will engage in the systematic study of patterns and processes that have shaped the human understanding of, use of, and alteration of Earth's surfaces. It explores the location of countries and human institutions (ethnic groups, cities, and industries) and examines why and how they exist. Students will employ spatial concepts and landscape analysis to examine human social organization and its historical and environmental consequences.

**Semesters: 2**

### **SS13113 AP Human Geography**

This honors level course emphasizes the importance of geography as a field of inquiry and discusses the emergence of academic geography in nineteenth century Europe. Geographic concepts emphasized throughout the course are location, space, place, scale, pattern, regionalization, and globalization. These concepts are basic to students' understanding of spatial interaction and spatial behavior, the dynamics of human population growth and movement, patterns of culture, economic activities, political organization of space, and human settlement patterns, particularly urbanization. **A satisfactory score on the Advanced Placement test could result in students receiving college credit and/or advanced placement in college.**

**Semesters: 2**

### **SS24093 AP European History**

This challenging course provides an in-depth study of Western Civilization from the dawn of the Renaissance (1450) to the fall of communism (1989). In addition to political history, this course will also cover aspects of culture, including philosophy and art. This elective course has been designed to prepare students for the Advanced Placement exam in European History. A college level textbook will be used for the course, as well as supplementary materials. Students should expect to be assessed through objective tests, document-based essay questions, class discussions, library research, and simulations. **A satisfactory score on the Advanced Placement test could result in students receiving college credit and/or advanced placement in college.**

**Semesters: 2**

### **SS32073 AS U.S. History - American Studies**

This double-period American Studies course uses U.S. History as a framework for a one year chronological study of political, cultural and military events. Such topics as drama, poetry, music, art, novels and intellectual history are integrated. The wide variety of class activities is limited only by the creativity of students who enroll; cooperative strategies are frequently used in class. **Students who choose this option will receive credit for both United States history and English.**

**Semesters: 2 (2 periods per day)**

### **SS32083 Sheltered U.S. History**

**Prerequisite: Placement in this class is based on recommendations of both the E.S.L. and Guidance departments**

Many issues confront American citizens in our complex world. Sheltered US History focuses on integrating the issues of American history such as cultural, pluralism, imperialism, foreign policy, and bridging the gap of the English language and vocabulary. This course helps the student to understand the roots of these issues and link the comprehension and understanding of the English language. A wide variety of activities are used to develop these skills.

**Semesters: 2**

### **SS32165 Sheltered United States Government**

**Prerequisite: Placement in this class is based on recommendations of both the E.S.L. and Guidance departments**

The purpose of this class is to provide an opportunity for students with limited English language skills to study our American political system while working on the development of comprehension and vocabulary skills. Students will learn the basics of the American government and the process of governmental decision making at the local, state, and national levels. Areas of study will include the legislative, executive, and judicial branches of government, campaigns and elections, and the Constitution. Current events and technology will be used extensively to enhance the learning opportunities.

**Semesters: 1**

### **SS34083 AP United States History**

This high-weighted course is a survey of the American past from the time of European discovery and settlement of the continent to the present. Students are required to draw upon analytical and interpretive skills to deal with the factual knowledge and problems of United States history. Students will develop critical thinking skills to assess a variety of historical materials, including both primary and secondary sources, and weigh their relevance, reliability and their importance—all goals of historical scholarship. Class discussions and independent library research are integral activities in each unit, and formal written essays will be used in conjunction with tests to evaluate student progress during the year. **A satisfactory score on the AP test could result in students receiving college credit and/or advanced placement in college.**

**Semesters: 2**

### **SS42145 Economics**

This course studies the basic principles of macro and micro economics -- to understand our current economic situation as well as the components of a market economy. It is a study of the American economic system - the role of government and the system of taxation, as well as its role in the global economy. The course is highly recommended for college bound students to fulfill the economics requirements.

**Semester: 1**

### **SS44123 AP Psychology**

This high-weighted course covers all areas of psychology in depth. Students will learn the major core concepts and theories of psychology; they will learn to define key terms and to use these terms in their everyday vocabulary. They will also learn the basic skills of psychological research, devise simple research projects, and evaluate the general validity of research reports. Students will be able to develop critical thinking skills, build their reading, writing and discussion skills, learn about the ethical standards governing the work of psychologists, and to apply psychological concepts to their own lives. **A satisfactory score on the Advanced Placement test could result in students receiving college credit and/or advanced placement in college.**

**Semesters: 2**

### **SS44245 AP Microeconomics**

In this high-weighted courses, students will be introduced to the principles of economics and their application to decision making, both as consumers and producers. Topics in microeconomics include: the market system, supply and demand, the determination of price and output levels, surpluses and shortages, and market structures such as monopoly, oligopoly, and perfect competition. Students will learn to apply basic economic principles to personal decision-making, as well as to analysis of the economy's operation. **A satisfactory score on the Advanced Placement test could result in students receiving college credit and/or advanced placement in college.**

**Semesters: 1**

### **SS44255 AP Macroeconomics**

**Prerequisite: Completion of AP Microeconomics is recommended.**

In this high weighted course, students will be introduced to elementary macroeconomic principles and methods of analysis. Topics in the course include: the national income, the monetary system, inflation, recession, national debt, international trade, and economic growth. Macroeconomic principles will be used to analyze selected social issues such as taxation, Federal spending, foreign trade, and stabilization policies. The class will track the performance of the economy as a whole. **A satisfactory score on the Advanced Placement test could result in students receiving college credit and/or advanced placement in college.**

**Semesters: 1**

### **SS44265 AP United States Government & Politics**

Students will develop an analytical perspective on government and politics in the United States. This high weighted course includes both the study of general concepts used to interpret U.S. politics and the analysis of many examples. Through this course the student will gain a familiarity with various institutions, groups, beliefs and ideals that constitute U.S. politics. This course will cover college level topics such as, the U.S. Constitution, American Political Parties, Civil Rights, Individual Liberties and the Development of Foreign and Domestic Policy. This course prepares the student for the AP examination. **A satisfactory score on the Advanced Placement test could result in students receiving college credit and/or advanced placement in college.**

**Semesters: 1**

### **SS44275 AP Comparative Government & Politics**

Students will develop conceptual tools necessary to understand some of the world's diverse political structures and practices. This high-weighted course will include the study of countries and their governments and general concepts used to interpret the relationships and institutions found in national and global politics. Six countries will be the emphasis of this course, which provide students a foundation for developing paradigms of different types of political systems. Study will be focused on topics such as political authority and power, and relationships between states and different political systems. This course prepares the student for the AP examination. **A satisfactory score on the Advanced Placement test could result in students receiving college credit and/or advanced placement in college.**

**Semesters: 1**

### **SS45175 Sheltered Economics**

**Prerequisite:** Placement in this class is based on recommendations of both the E.S.L. and Guidance departments.

Designed for students with limited English language proficiency, this course includes vocabulary and comprehension development as part of a look at the American economic system. Students in this course will look at the basic principles of economics and their daily application to their lives. Students will explore the role of the consumer, businessman, and government in shaping their economic world. A key goal of this class is to provide students with the knowledge to make good economic choices in the world in which they live.

**Semesters:** 1

### **SS55135 Sociology**

Why do we behave like human beings? Learn why American society works the way it does and gain some insight into why one acts the way they do. We will take an in-depth look at American society while exploring the various concepts of sociology while blending in some concepts from social psychology. The main topic areas of the course are human development, deviance, minorities and prejudice, group behavior and influence, social institutions, social and cultural change and moral development.

**Semester:** 1

### **SS55155 United States Government**

What are one's rights and responsibilities in a democratic society? How does the American legal and political system work? Students will learn the basics of the American political system and the process of governmental decision-making at the local, state, and national levels. Areas of study will include the legislative, executive, and judicial branches of government, campaigns and elections, and the U.S. and Illinois Constitution.

**Semester:** 1

#### **Additional courses offered at Addison Trail HS:**

### **SS55045 Latin American Studies**

With the growing attention directed to the Americas through forces such as economics and immigration, students need to be exposed to the rich heritage of the diverse people living south of the Rio Grande. This course is designed to help students of all nationalities to succeed in the business world as well as day-to-day living in the United States in the 21st century.

**Semesters:** 1

### **SS55105 Introduction to Psychology**

This is a one semester psychology course introduces students to the study of human behavior and mental processes. The course content includes, but is not limited to, an overview of the field of psychology, topics in human growth and development, personality and behavior, learning and memory, and abnormal psychology.

**Semesters:** 1

#### **Additional courses offered at Willowbrook HS:**

### **SS32073 U.S. History**

This course surveys the history of our country; it traces American history from post-Civil War through today focusing on the development and implications of nationalism, sectionalism, democracy, industrialism and foreign affairs. Teachers use a variety of approaches to help students understand concepts and topics in U.S. history and reading, writing, and thinking skills are practiced as students prepare to become intelligent decision makers in 21st century United States.

**Semesters:** 2

### **SS35113 The World of Psychology**

All of us have wondered at times what makes people tick. How do we develop and mature? How do we cope with stress in our lives? What forms our personality? The methods and theories of psychology will be explored with plenty of opportunities for discussion. The course is especially beneficial for those who are either interested in a career in psychology or are simply interested in gaining a better understanding of their own behavior, and the behavior of others.

**Semesters:** 2

# SPECIAL EDUCATION



The Special Education Departments in DuPage High School District 88 are committed to providing a comprehensive education to all identified students in accordance with their handicapping condition. It is believed that with appropriate curriculum and support services, all students can become life-long learners. Special Education has a critical responsibility to provide a structure that allows equal opportunities for all students, tailored to their individual needs. A major focus of each of the programs is to assist the students in developing needed skills including academics, self-advocacy, vocational and life skills to allow for a successful transition from school to adult life.

In compliance with IDEA and the "Rules and Regulations to Govern the Administration and Operation of Special Education," mandated by the Illinois State Board of Education, DuPage High School District 88 offers special education classes and services designed to meet the unique needs of students with the following handicapping conditions:

- |                                 |                            |
|---------------------------------|----------------------------|
| Visual impairment               | Physical impairment        |
| Specific learning disability    | Mental retardation         |
| Hearing impairment              | Speech/language impairment |
| Severe emotional disorder (SED) | Health impairment          |

The DuPage High School District 88 staff strives to provide an appropriate special education program in the least restrictive environment. Working to comply with State Board of Education inclusion initiative (including transitional programming), materials are selected according to the student's functional ability and vary depending on program and year in school. Specific programs may be offered within District 88 or at other appropriate, approved sites.

Appropriate District 88 staff participates on the Behavior Interventions Committee. This committee develops policies and procedures for students with disabilities who require behavioral interventions. This is in accordance with P.L. 89-191 and the guidelines set forth by the Illinois State Board of Education.

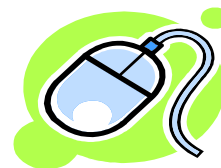
All students are expected to comply with the rules and regulations as stated in the Parent Student Handbook, which outlines the District 88 discipline policy. In specific circumstances where general policies are not sufficient /effective, an individual behavioral intervention plan may be developed.

Each year a copy of the procedural safeguards and rights for students with disabilities are furnished to all parents and/or guardians of students with disabilities receiving special education and related services. Additionally, all students and parents are notified concerning the District 88 policy on "Behavioral Interventions for Students with Disabilities."

Parents or students interested in knowing about the programs and specific classes available in District 88 should contact the Special Education Department Chair at the individual schools.

**Addison Trail High School**  
Mrs. Lisa Bollow, Department Chair  
(630) 628-3366

**Willowbrook High School**  
Mrs. Sara Courington, Department Chair  
(630) 530-3682



## TECHNOLOGY CENTER OF DUPAGE (TCD)

The TCD programs are considered elective subjects, but must fit into a student's career/education plan. Eligible juniors and seniors who choose the TCD elective spend a part of each school day at their home school and the TCD. District 88 pays TCD tuition and provides bus transportation to and from the Center. Attending TCD does not interfere with other classes or after-school activities. Morning and afternoon sessions are offered.

See your counselor for a copy of the Technology Center of DuPage 2015-2016 Program Guide and Registration Form.

### **BUILDING AND MACHINE GROUP**

#### **TD55013 Manufacturing Technology**

**Prerequisites or concurrent enrollment:** Technology Survey, Computer Aided Drafting, Principles of Technology I

The Machine Tool program provides the student with the skills and knowledge needed for employment as a machine tool operator, all-round machinist, tool and die maker or a mold maker (plastics). The student will have the opportunity to learn skills on computer numerically controlled milling machines and lathes, electrical discharge machines, plastic injection molding machines, conventional lathes, mills, drill presses and grinders. In addition, job seeking and keeping skills and assistance with job placement are provided. [Credit may be granted for acquired skills in Machine Tool toward meeting the requirements of apprenticeship programs certified by the Bureau of Apprenticeship and Training, U.S. Department of Labor.] Articulated credit is offered with the College of DuPage.

**Recommended courses:** Geometry 10 (M2083), Advanced Algebra and Trigonometry 11 (M3083)

### **COMMUNICATIONS GROUP**

#### **TD55023 Multimedia & Television Production**

Students will be given the opportunity to learn the essential skills needed to enter this fast-paced career field. They will start by learning the fundamentals of television production and editing techniques. In TCD's digital eight track recording studio you will learn skills in computer editing using a video toaster, and the AVID nonlinear editor. You'll have the opportunity to learn photography, digital photography, set design, studio lighting, and video graphics. Mastering these skills will lead to work with interactive multimedia. Interactive multimedia will combine all of the skills learned in the Multimedia & Television Production program.

*Articulated credit with the College of DuPage is available after successful completion of this program.*

**Recommended courses:** Keyboarding, Photography, Advanced Photography

**Semesters:** 2

### **HEALTH AND SAFETY SERVICE**

#### **TD55033 Fire Science**

**Prerequisite:** Principles of Technology

This course will follow the standards of training in NFPA 1001 Standard for Fire Fighters, preparing students for certification as a Firefighter II. Students will become acquainted with all aspects of fire fighting. These activities include practice in all areas of fire fighting including maintenance and use of equipment such as: ladders, ropes, hoses, hand tools, salvage operations, rescue operations, fire service procedures. This course does not meet the District 88 graduation requirement for science.

**Semesters:** 2

#### **TD55205 Criminal Justice**

The Criminal Justice program provides an excellent foundation for students interested in pursuing law enforcement as a career. This course will introduce you to the basics of communication skills, traffic laws/traffic enforcement, criminal law, juvenile law, crime prevention, homeland security and more. You will also learn which career paths require further training or education.

**Semsters:** 2

## **MEDICAL AND HEALTH CAREERS**

### **TD55053 Certified Nurse Assistant**

**Prerequisites or concurrent enrollment:** Keyboarding, Biology

Requirements are established by the Illinois Department of Public Health and currently include completing a minimum of 50 clinical hours. The clinical hours are achieved by attending eight, six-hour Saturday clinics. Monday through Friday, classroom theory and lab work is held at the Technology Center of DuPage. Upon successful completion of this course the student will have the skills to assist the professional nurse in providing quality care for patients in a variety of health care settings. A CNA student will have the opportunity to learn to:

- Communicate effectively with patients, family and staff
- Provide emotional and psychological support to patients and family members
- Establish and maintain a safe and pleasant environment
- Perform basic patient care nursing skills in the lab and at clinical
- Observe and report observations related to the patient's condition

*Articulated credit is available with the College of DuPage.*

**Recommended:** Chemistry 11 (S3083)

**Semesters:** 2

### **TD55063 Medical Laboratory Assistant**

**Prerequisites or concurrent enrollment:** Biology, Keyboarding

The Medical Laboratory Assistant program offers hands-on experience in the proper techniques of specimen collection, phlebotomy (the collection of blood specimens), EKG and various test procedures used in state-of-the-art medical laboratories. The student will have the opportunity to apply skills learned in the program at clinical sites. Observance of all established OSHA safety regulations, procedures and dress code are an integral part of the program. This program serves as a foundation for students entering the medical field.

**Recommended:** Chemistry 11 (S3083)

**Semesters:** 2

## **PERSONAL SERVICES GROUP**

### **TD55073 Culinary/Pastry Arts**

**Prerequisites or concurrent enrollment:** Foods I, Foods II

The Culinary/Pastry Arts program gives the student the opportunity to learn various aspects of the hospitality industry and gain real-world experience at the TCD Gateway Cafe and TCD Delicatessen. Eight different areas of culinary arts are experienced, including prep cook, pasta cook, pantry cook, line cook, bakery, sanitation, dining room attendant and deli attendant in the first year. During the second year in this program, the student will begin to develop supervisory techniques such as purchasing, inventory, bank deposits, payroll, and paying invoices. Additional areas of experience include chef of the day, pantry chef, pastry chef, dining room manager and deli manager. Successful completion of the program will prepare the student for employment in many areas of the hospitality industry. If the student is college bound, there will be the advantage of firsthand knowledge of the industry.

**Recommended:** Personal Fitness/Foods

**Semesters:** 2

### **TD55123 Cosmetology**

**Prerequisite:** None

Students will learn hair-cutting, hair-styling, hair coloring, permanent waving, nail technology, aesthetics, and the application of cosmetics. Hands-on experience provided in the "Technology Center of DuPage Hair Design" beauty salon to prepare students for the Illinois State Cosmetology Examination.

**Semesters:** 2

### **TD55133 Advanced Cosmetology**

**Semesters:** 2

**Prerequisite:** Cosmetology

## **TECHNICAL GROUP**

### **TD55043 Computer Information Systems**

**Prerequisite: Desktop Publishing**

The Computer Information Systems course offers students a wide variety of computer technology skills. In this program, students will be required to use data processing, communication skills (written and oral), math and problem solving skills, and technical reading skills. *Articulated credit is available with the College of DuPage.* Future education emphasis can include preparation to earn an associated degree in Computer Information Systems (CIS).

**Semesters: 2**

### **TD55083 Electronics & Pre-Engineering Technology**

**Prerequisite or concurrent enrollment: Technology Survey, Principles of Technology I, Computer Aided Drafting**

The Electronics & Computer Technology program will prepare the student for an exciting career in the high tech field of installation and repair of electronic equipment. The student receives hands-on learning using Lab Volts Fault Assisted Circuits for Electronics Training (FACET). FACET provides interactive opportunities to learn electronic principles and troubleshooting techniques. The student will have the opportunity to complete laboratory experiments using the Electronic Workbench System. Skill development in electronics will lead to troubleshooting and repair of electronics equipment.

*Articulated credit is available with the College of DuPage.*

**Semesters: 2**

### **TD55093 Heating, Ventilation, Air Conditioning & Refrigeration**

**Prerequisite or concurrent enrollment: Technology Survey, Principles of Technology I, Computer Aided Drafting**

In this program the student will learn the mechanical and electrical fundamentals needed to become a heating, ventilating, air conditioning, and refrigeration technician. As part of the hands-on program, the student will learn to maintain, diagnose, and correct problems on sophisticated technical equipment. Installation, maintenance, and repair of residential forced air heating systems, hydronic heating systems, electric furnaces, oil burners, heat pumps, and air conditioners are taught. Sheet metal work and light commercial HVAC equipment are included in the second year of the program.

*Articulated credit is available with the College of DuPage.*

**Semesters: 2**

### **TD55123 Network Technician**

**Prerequisites: Computer Repair Servicing and Computer Repair Troubleshooting**

The Network Technician program prepares students for a career in the computer-networking field. Students will learn about LANS and WANS, hubs, switches, and routers, the basic components that allow communications between computers in the same room and around the world via the Internet. In this program, students will use math, science, communication and reading skills. The curriculum is presented as a series of topics, along with hands-on lab exercises, to develop academic knowledge as well as real world hand-on experience. The Network Technician program follows the industry recognized Cisco CCNA Networking Academy curriculum. Successful completion of the Cisco Network Academy program prepares students to certify as a Cisco Certified Network Associate (CNNA).

**Semesters: 2**

# WORLD LANGUAGE



## **WL12063 German 1**

The aim of this course is to enable the student to understand German, to speak the language with correct pronunciation and intonation, and use the German language in simple, yet practical situations within the scope of a first-level course. The emphasis in this course is an active mastery of complete thought patterns to the point where the student can comprehend and use them practically and orally. Some attention is given to controlled writing of German. Performance-based activities include written and oral dialogues, simple written paragraphs and short skit presentations that reflect the culture and social behavior of Germans. German life style is also presented through various videos.

**Semesters: 2**

## **WL22073 German 2**

**Prerequisite: German 1**

This course continues with the aims and goals of German I at an intermediate level. The German language is used as much as possible in all phases of classroom work. Continued emphasis is placed on understanding, and more attention is given to reading and writing more complex sentence patterns, along with emphasis on simple impromptu conversation. Cultural items are stressed through more complex performance based activities and supplementary readings of authentic materials. Various videos are used to reinforce understanding of the German life style and language.

**Semesters: 2**

## **WL33083 German 3H**

**Prerequisite: Student must have earned an A or B in German 2, and/or teacher recommendation.**

German is used as much as possible in all phases of classroom work in this high-weighted course. More attention is given to reading authentic materials that offer a wide range of theme and treatment, which are representative of German life and character. Conversation is continued at an advanced level, and some work in composition is done. Various authentic videos without subtitles are used to reinforce understanding of German life style and language.

**Semesters: 2**

## **WL43093 German 4H**

**Prerequisite: Student must have earned an A or B in German 3H and/or teacher recommendation.**

In this course, students continue an in-depth study of the German language. This in-depth study will analyze and apply the four vital points of foreign language study including listening, speaking, reading and writing. Use of authentic materials to enhance learning will be emphasized as readings represent contemporary authors with some insight into the work of classical authors. Improving oral and written communication at a competent level with native speakers continues to be a prime-learning objective.

**Semesters: 2**

## **WL12143 Spanish 1**

This beginning course emphasizes listening, speaking, reading and writing through a variety of performance-based classroom activities. Basic vocabulary, grammar concepts and cultural perspectives are introduced in order to facilitate written and oral communication in the target language. Performance activities include written and oral dialogues, simple written paragraphs, and short oral presentations. Performances are based on practical life situations that relate to high school students. The Hispanic culture is presented through various classroom activities.

**Semesters: 2**

## **WL22153 Spanish 2**

**Prerequisite: Spanish 1 or skill test or feeder school language teacher recommendation.**

This course is a continuation of Spanish 1 further developing the oral and written communication skills in Spanish. Students will be creating original oral and written performances, as well as reading more complex selections. Various technological resources will engage learners while reinforcing Spanish language performances and cultural study. The cultural studies are an expansion introduced in the Spanish 1 level.

**Semesters: 2**

## **WL33163 Spanish 3H**

**Prerequisite: Students MUST have earned either an A or B in Spanish 1 and 2 and/or teacher recommendation.**

This high-weighted advanced level honors course is intended for the highly motivated student. It is a more in-depth and faster paced study of the Spanish language and culture. Students will engage in a variety of listening activities, sustained conversations and presentations.

An extensive selection of readings is provided to seamlessly integrate culture and real-life situations. Complex grammar concepts will be practiced in a variety of written and oral tasks. Students will continue to enhance listening, speaking, reading and writing skills in order to be effective communicators.

**Semesters: 2**

### **WL43173 Spanish 4H**

**Prerequisite: Students MUST have earned either an A or B in Spanish 3H and/or teacher recommendation.**

This high-weighted, advanced course provides students with a comprehensive grammatical analysis, as well as a historical and cultural overview of the Spanish-speaking world. Current events and social/political issues are also used as a vehicle to expose students to authentic language and foster practical comprehension and self-expression. Listening, writing, speaking, and reading correctly at a higher proficiency level is the primary goal of this course, as it will prepare students for further advanced studies.

**Semesters: 2**

### **WL44183 AP Spanish Language & Culture**

**Prerequisite: Successful completion of advanced Spanish courses and/or teacher recommendation.**

Students must have earned either an A or B in Spanish 3H and/or teacher recommendation. The AP Spanish Language course should help prepare students to demonstrate their level of Spanish proficiency across three communicative modes (Interpersonal [interactive communication], Interpretive [receptive communication], and Presentational [productive communication]), and the five goal areas outlined in the *Standards for Foreign Language Learning in the 21st Century* (Communication, Cultures, Connections, Comparisons and Communities). The course is meant to be comparable to third year (fifth or sixth semester) college and university courses that focus on speaking and writing in the target language at an advanced level.

**Semesters: 2**

### **WL44193 AP Spanish Literature & Culture**

**Prerequisite: Successful completion of advanced Spanish courses and/or teacher recommendation.**

***(Either AP course may be selected after successful completion of Spanish 4H)***

An AP Spanish Literature and Culture course is comparable to a third-year college Introduction to Hispanic Literature and Culture course. The following course description is taken from AP Central: The AP® Spanish Literature and Culture course is designed to introduce students to the formal study of a representative body of texts from Peninsular Spanish, Latin American and U.S. Hispanic literature. The course provides opportunities for students to demonstrate their proficiency in Spanish across the three modes of communication (interpersonal, interpretive and presentational) and the five goal areas (communication, cultures, connections, comparisons and communities) outlined in the Standards for Foreign Language Learning in the 21st Century. The overarching aims of the course are to provide students with ongoing and varied opportunities to further develop their proficiencies across the full range of language skills — with special attention to critical reading and analytical writing — and to encourage them to reflect on the many voices and cultures included in a rich and diverse body of literature written in Spanish. In particular, the course reflects a meaningful integration of the cultures, connections and comparisons goal areas of the Standards. Emphasis is placed on approaching the study of literature through global, historical and contemporary cultural contexts. A key objective of the course is to encourage students not only to understand and retell the content of the texts they read but also to relate that content to literary, historical, sociocultural and geopolitical contexts in Spanish. It is based on a required reading list. The works on the list are of literary significance and represent various historical periods, literary movements, genres, geographic areas, and population groups within the Spanish-speaking world. The objective of the course is to help you interpret and analyze literature in Spanish.

**Semesters: 2**

### ***Native Spanish Speakers Program - Programa de asignaturas para los hispanohablantes***

### **WL12103 Native Spanish 1**

**Prerequisite: Functional conversational Spanish ability and an informal written diagnostic.**

This beginning course is designed for native level speakers who speak Spanish, but need to further develop their reading and writing skills. Students will read a variety of Spanish literary works for a deeper understanding of their own cultural heritage, while reviewing basic language concepts through oral and written performance-based activities.

**Semesters: 2**

**Additional courses offered at Addison Trail HS:**

**WL12203 Italian 1**

This beginning course emphasizes listening, speaking, reading, and writing through a variety of performance-based classroom activities. Basic vocabulary and grammar concepts are introduced in order to facilitate written and oral communication in the language. Performance activities include oral and written dialogues, simple written paragraphs, and short oral presentations. Performances are based on practical life situations that reflect the culture and social behavior of Italy.

**Semesters: 2**

**WL22213 Italian 2**

**Prerequisite: Italian 1**

This course builds upon students' core knowledge base to enhance communication and performance in the Italian language. Students will be speaking, reading, writing, and listening at an advanced level through more complex performance-based activities. Performance activities at this level include longer oral and written dialogues, written essays, and individual as well as group presentations. All activities tie into a culminating project "Una Visita in Italia" where students will be performing all the necessary functions for a simulated trip to Italy.

**Semesters: 2**

**WL33223 Italian 3H**

**Prerequisite: Students must have earned an A or B, and/or teacher recommendation.**

In this high-weighted advanced course, Italian will be used in every aspect of classroom work. Students will be analyzing works of Italian literature and engaging in class discussion. Performance-based activities include sustained oral dialogues, longer written essays, and lengthy oral presentations. Students will be compiling written works throughout the year to create a class magazine including stories, advertisements, comic strips, book and movie reviews and poetry.

**Semesters: 2**

**WL43233 Italian 4H**

**Prerequisite: Students must have earned an A or B, and/or teacher recommendation.**

In this high-weighted advanced course, Italian will be used in every aspect of classroom work. Students will be reading a variety of literary selections, as well as news articles pertaining to current Italian issues/events. Performance-based activities will include sustained oral dialogues, longer written essays and lengthy oral presentations and discussions. Students will also be studying and writing an in depth research paper about a historical Italian figure.

**Semesters: 2**

**WL44243 AP Italian Language and Culture**

The AP Italian Language and Culture course is designed to be comparable to college/university Italian courses. Its aim is to develop student's reading, writing, listening, and speaking skills within a cultural framework, reflective of the richness of the Italian language and culture. Students will gain exposure to the knowledge and skills necessary to succeed at the college level.

**Semesters: 2**

**Additional courses offered at Willowbrook HS:**

**WL12013 French 1**

This course develops a basic understanding of the language, stressing the listening and speaking skills. The acquisition of meaningful speech patterns is gained through oral presentation of dialogues and structure drills. Dialogues and drills will progressively lead the student from a form of directed conversation to more spontaneous conversation. Grammar and vocabulary are treated functionally. Vocabulary expansion is also stressed. Cultural materials are presented through the language itself, in music, in videos, on bulletin board displays, etc.

**Semesters: 2**

**WL22023 French 2**

**Prerequisite: Feeder school language teacher recommendation for incoming freshmen**

This course is a continuation of French 1 further developing the student's communication skills in the French language and his/her understanding of French culture. More stress is placed on grammatical structural content and reading and writing.

**Semesters: 2**

**WL33033 French 3H**

**Prerequisite: 80% or higher on French 2 Skill Performances and recommendation of French 2 teacher**

This high-weighted third year of French provides a continuation of an intense language study introducing more complete structures, idiomatic expressions, and in general, more advanced content. Oral skills are particularly emphasized; concurrently,

writing skills are more fully developed by a variety of free composition and reports. Literary readings reinforce the grammatical content of the course and broaden the student's understanding of French culture.

**Semesters: 2**

### **WL43043 French 4H**

**Prerequisite: 80% or higher on French 3H Skill Performances and recommendation of French 3H teacher**

In this high-weighted fourth year study of French, students are encouraged to freely develop oral and writing skills through oral reports and original composition on a variety of topics. Their knowledge of the language is supplemented by an emphasis on culture and history which, in turn, is reinforced by the reading of current literary texts, both prose and poetry, and current events texts.

**Semesters: 2**

### **WL12213 Arabic 1**

This beginning course emphasizes listening, speaking, reading and writing through a variety of performance-based classroom activities. The Arabic alphabet, basic vocabulary, grammar concepts and cultural perspectives are introduced in order to facilitate written and oral communication in the target language. A unique feature of the course is that students will learn to write in Arabic using the Arabic characters. Performance activities include written and oral dialogues, simple written paragraphs, and short oral presentations. Performances are based on practical life situations that relate to high school students.

**Semesters: 2**

### **WL 22223 Arabic 2**

**Prerequisite: Arabic 1**

Arabic 2 will be a continuation of Arabic 1. This course will provide students with a continued learning experience of the Arabic language and culture. Students will be challenged with a higher level of producing communication skills in the common Arabic language and provided a deeper emphasis on grammatical structure and improving written composition in Arabic. Cultural study of the Arabic speaking countries will be stressed through more complex performance based activities and supplemented with reading of authentic materials in the Arabic language.

**Semesters: 2**

### **WL 32223 Arabic 3H**

**Prerequisite: 80% or higher on Arabic 2 skill performances and or recommendation of the Arabic 2 teacher.**

Arabic 3H will provide students a deeper experience with Arabic beyond just learning the common Arabic global language. Students will analyze sampled works of Arabic literature with a focus on modern poetry from various Arabic countries and regions. These literary works will unwrap a deeper study of the structures of the Arabic language. Non-Fictional selected readings will construct a framework of history, mapping out the creation and development of the modern Arabic countries and regions of today. Performance based activities will include Interpretive, Interpersonal and Presentational modes of communication and will be assessed as such in every aspect of this course. Arabic language structure and culture will be continually woven into all language producing performances.

**Semesters: 2**

### **WL 42223 Arabic 4H**

**Prerequisite: 80% or higher on Arabic 3 skill performances and or recommendation of the Arabic 3 teacher.**

Arabic 4H will provide students a deeper experience with Arabic beyond just learning the common Arabic global language. Students will analyze sampled works of Arabic literature with a focus on modern poetry from various Arabic countries and regions. These literary works will unwrap a deeper study of the structures of the Arabic language. Non-Fictional selected readings will construct a framework of history, mapping out the creation and development of the modern Arabic countries and regions of today. Performance based activities will include Interpretive, Interpersonal and Presentational modes of communication and will be assessed as such in every aspect of this course. Arabic language structure and culture will be continually woven into all language producing performances.

**Semesters: 2**