

# STAFF DIRECTORY

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FAMILY AND CONSUMER SCIENCES (420-6530)	MS. GERRY ROUNDS
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# REGISTRATION INFORMATION

## GRADUATION REQUIREMENTS

In order to graduate, a student will be required to earn the following units of credit during grades 9-12:

- I. A minimum of 21 credits are required for graduation. (No class may be used to satisfy two graduation requirements.) Minimum enrollment per semester is 4 classes plus PE or Health.
- II. Courses totaling 21 credits are required as follows:

Communication Arts (A)	3.5 credits
Mathematics	2 credits
Science	2 credits
Social Science (B)	2.5 credits
Fine Arts (C)	.5 credits
Applied Sciences & Technology (D)	1.0 credits
Physical Education (E)	3.5 credits
Health	.5 credits
Consumer Education (F)	.5 credits
Electives (G)	5.0 credits

  - A. Within the three and one-half (3.5) credits required in Communication Arts, certain classes are required. See chart on p. 18
  - B. Within Social Science, each student must complete one (1.0) credit in United States history and one-half (0.5) credit in government.
  - C. The Fine Arts requirement of one-half (0.5) credit may be fulfilled through various departments:
    - Art: All Classes
    - Communication Art: Acting, Play Production, Film Composition and Analysis, Creative Writing, Humanities, Traditions in Literature
    - Family and Consumer Sciences: Fashion Merchandising, Interior Design, Applied Interior Design
    - Technology Education: Intro to Graphics, Architectural Drafting, Floral Design, Advanced Floral Design
    - Music: All Classes
  - D. To satisfy the Applied Science & Technology requirement, a total of one credit is required from one or more of the following departments: Business Technology, Family and Consumer Sciences, or Technology Education.
  - E. Every student is required by state law to enroll in and pass a physical education course during each semester of attendance except when enrolled in Health, usually during sophomore year. Physical Education will be included in the grade point average. (Exceptions will be considered for grades 11 and 12 only in accordance with the Board of Education Policy 5129.1 Physical Education Waiver.)
  - F. A one-semester course in Consumer Education is required. Students in grades 9, 10 and 11 may elect to take the Consumer Education proficiency exam for the State of Illinois. If a student successfully completes the proficiency examination, that student will be excused from the required Consumer Education course. No credit will be issued for the successful completion of the examination.
  - G. Electives are defined as any courses that are not required for graduation.
- III. No retroactive requirement shall be made of transfer students since recognition shall be given to courses successfully completed in other school systems which parallel local requirements.
- IV. Every student must take the Prairie State Achievement Exam to Graduate

## DEFINITIONS AND PROCEDURES STATEWIDE ADMISSION REQUIREMENTS

The Illinois State Board of Education has established statewide minimum admission standards for public universities and community colleges in Illinois. The following high school subjects will be required of freshmen entering community college transfer programs and public universities subject to individual institutional variations:

### MINIMUM REQUIREMENTS - SUBJECTS

#### Credits

- 4 English (emphasizing written and oral communication and literature)
- 3 Social Studies (emphasizing history and government)
- 3 Mathematics (introductory through advanced algebra, geometry, trigonometry, or fundamentals of computer programming)
- 3 Science (laboratory science)
- 2 Foreign language, music, art, or tech arts.

Admission requirements for colleges/universities vary. Applicants must contact each college or university individually for details about all of its requirements.

### EARLY GRADUATION

The opportunity for early graduation is provided in the senior year and at the end of the junior year. Seniors must apply for early graduation before December 1 of their senior year. Juniors must apply for early graduation before March 1 of their junior year.

Students applying for early graduation should be aware that all course expectations, course work and final exams must be completed prior to concluding attendance. Attendance at class through the end of the semester, including the final exam schedule is considered a course expectation.

### PASS-FAIL OPTION

The Pass-Fail option is available for junior and senior students for one course per semester. The Pass-Fail declaration must be submitted before the last Friday in September. The Pass-Fail option is not available for any course specifically required for graduation. The student is expected to complete all class assignments as a student would if receiving a regular grade. If the student receives a pass grade under the P/F basis, credit is awarded and no points are figured in the grade point average. If a student receives a "D" the D is recorded on the transcript and appropriate points are figured in the grade point average. If the student fails under P/F basis, no credit is awarded and the failure is figured in the grade point average as a regular failure.

### INDEPENDENT STUDY

Independent Study is available in most departments. Limitations for the program are as follows:

1. Independent Study is open only to junior and senior students who have exhausted the curriculum choices in a departmental area.
2. One Independent Study project is allowed per semester for a maximum of 1/2 credit.
3. Independent Study cannot be used to satisfy minimum requirements of 5 half-credit classes. Further details regarding Independent Study are available from Instructional Coordinators and counselors. An approved application must be on file.
4. It is the obligation of the student to initiate the process through an appropriate teacher. Approval for Independent Study is at the discretion of the teacher and the Instructional Coordinator.
5. No teacher may have more than 2 Independent Study students per semester

### Credit Transfer

Students enrolled at Naperville North High School must receive prior approval for any transcript they wish to transfer in

## ADDING OR DROPPING COURSES

Students will have the best opportunity for obtaining the courses they need if they make carefully considered decisions at the time they submit their total course requests for the next school year. **It is our expectation that students are responsible for their course selection decisions and that North High School will hold students accountable for those decisions.** Discretionary changes will not be possible.

## WITHDRAWAL PASSING (WP) AND WITHDRAWAL FAILING (WF)

Withdrawal from a course may be made without penalty up to 10 attendance days into the semester provided the student meets the criteria for dropping a course. After 10 days of attendance a WF will be recorded, except in cases of illness, clear misplacement, or full withdrawal from school. These procedures do not apply to level changes based on teacher recommendations.

## GRADING SYSTEM-INCLUDING GRADE WEIGHTING

The grading system has two scales, one for regular courses and the other for weighted courses. The specific grade points assigned for each letter grade and for regular and weighted courses are listed below. These grade points are used to compute a student's grade point average and rank in class. The weighted courses are designed and taught for high ability students pursuing advanced work at an accelerated pace. The grades of "D" and "F" are not weighted. PE is included in the grade point average.

Grade		Regular	Weighted
A	Excellent	4	5
B	Very Satisfactory	3	4
C	Average	2	3
D	Below Average	1	1
F	Failure	0	0

## INCOMPLETE GRADES

Incomplete work must be completed no later than the end of the next quarter. If not completed before this deadline, a grade of "F" will be recorded unless special permission has been obtained. Incomplete grades are issued mainly for prolonged illness or illness immediately before the end of the term. Incomplete work for the fourth quarter must be completed no later than the end of the summer school session.

## TEACHER ASSISTANT

A student may elect to serve as a teacher assistant for one teacher per semester for 1/4 credit. (They may choose to take this credit as pass/fail or for a letter grade. The letter grade is not averaged into the GPA. Teacher assistant approval forms must be processed within the first ten days of a semester.)

## REPEATING/AUDITING COURSES

A student may not repeat a passed course to improve a grade. A student may audit a class for purposes of review in order to proceed to the next course in the curriculum sequence (i.e., repeat Spanish I before going on to Spanish II).

# NCAA Athletic Eligibility

## ACADEMIC PREPARATION FOR COLLEGE ATHLETICS

For students who wish to participate in athletics at NCAA Division I or II universities or colleges, there are specific standards that must be met in high school. Students are urged to consult the NCAA Clearinghouse brochure for specific details. The NCAA forms need to be completed at the beginning of the senior year at NNHS. Students may also contact the NCAA directly.

NCAA Hotline: 800-638-3731

NCAA Clearinghouse: 319-337-1492  
www.ncaa.org

In order to be classified as a "qualifier" for any student entering a Division I college, the student is required to graduate from high school and successfully complete the NCAA's approved core-course curriculum of at least 13 academic courses. Also, a student must have a minimum core-course grade point average (GPA). The minimum core-course GPA is then linked to ACT/SAT scores on the NCAA's sliding scale. The sliding scale is published in the NCAA Clearinghouse Booklet. Please consult the Clearinghouse Booklet for details.

The NCAA's 13 academic core-course curriculum is listed below:

English	4 years
Mathematics (two years of mathematics courses at the level of Algebra I or above)	2 years
Natural or physical science (including at least one laboratory course, if offered by the high school)	2 years
Additional courses in English, mathematics, or Natural or physical science	1 year
Social science	2 years
Additional academic courses (in any of the above areas or foreign language, computer science, philosophy or non-doctrinal religion (e.g., comparative religion) courses)	2 years

## ADVANCED PLACEMENT PROGRAM

The Advanced Placement Program (AP) offers courses and examinations in a variety of subjects through which motivated students may experience rigorous college-level classes while still in a supportive high school environment. The work students do in AP courses helps prepare them for the demands of college by gaining knowledge in specific subject areas, and by acquiring skills and study habits needed to be successful.

Naperville North High School offers AP classes in many subjects for students who are prepared to meet that challenge. Please see the individual course descriptions for any prerequisites students must complete before selecting these classes.

AP American Literature	AP Statistics	AP Macro/Micro Economics
AP Literature & Composition	AP Calculus AB	AP Psychology
AP American Government	AP Calculus BC	AP European History
AP U.S. History	AP Chemistry	
AP Art History	Advanced Physics	
French V	AP Computer Prog.	
Spanish V	AP Biology	
German V		

AP Exams are optional examinations administered in May each year under College Board guidelines. It is by earning a qualifying score on these tests that students may earn college credit and/or placement into advanced college courses. There is a fee for these examinations which are ordered individually for each student. It is \$82.00 per test for 2005. Registration for these tests is done in March through the Guidance Office and the classroom teachers of the AP classes. Booklets describing the program in detail are available to all students prior to the registration period. A firm commitment and payment is required at registration as a test is purchased for each student who chooses to take the exam.

The vast majority of colleges and universities in the United States grants academic credit or advanced placement to incoming students with qualifying AP scores on the exams. Each college decides individually which AP exam scores it will accept, and it is the student's responsibility to learn about the specific policies that their prospective colleges may have regarding each of these exams. The college admissions office, the college catalog or the college web-site are the appropriate places to seek that information.

More detailed information about the AP Program is available in the Guidance Office of Naperville North High School, or directly through The College Board Advanced Placement Program (AP) information and services: Call 609-771-7300 or go to [www.collegeboard.com/apstudents](http://www.collegeboard.com/apstudents)

## ILLINOIS ARTICULATION INITIATIVE

The IAI is a major, statewide, cooperative agreement among participating Illinois colleges and universities to facilitate successful transfer of course credits from one participating institution to another, effective beginning summer 1998.

It can help assure a smooth transfer of credits from College of DuPage to your chosen four-year school. A General Education Core Curriculum has been defined by IAI. If you follow the prescribed curriculum, you can be assured that the credits satisfy general education requirements at a majority of Illinois colleges and universities.

General education consists of courses the colleges and universities consider essential for a student's success in college and life and are equivalent to the first two years of a four-year baccalaureate program. The IAI list includes courses in math, oral and written communication, social and behavioral science, physical and life science, humanities and fine arts.

To find out more information, see your counselor or go to <http://www.itransfer.org/>, which contains the most up-to-date list of IAI approved courses.

### DUAL CREDIT COLLEGE OF DUPAGE

IAI coursework offered at Naperville North High School in partnership with College of DuPage, include the following, listed as NNHS Course/COD Course.

French 5/French 251, 252, 253  
Spanish 5/Spanish 251, 252, 253  
Multi-Variable Calculus/ Mathematics 234, 245  
Health Occupations/Allied Health 100  
LAN-WAN/CIT 121, 122  
Computer Repair/CIT 231, 233  
Graphics Communication 2/ Graphics 100  
Electricity, Electronics/Electronics 100, 101  
Accounting II/Acct. 151, 152, 153  
Intro to Teaching/Educ 100

### NORTH CENTRAL COLLEGE'S LEDERMAN SCHOLARS PROGRAM

(EARLY COLLEGE DUAL CREDIT AT NORTH CENTRAL COLLEGE)

The Lederman Scholars Program is a highly selective college-within-a-college at North Central College which provides bright, motivated high school students with the opportunity to earn up to two years of college credit (the equivalent of an associate's degree) while continuing to attend their current high school. Admission to The Lederman Scholars Program is based on academic ability, personal maturity and the student's demonstrated commitment to becoming an informed, involved, principled and productive citizen and leader. Normally, students should be enrolled in honors coursework and be among the top 5 percent in their class. The minimum composite ACT score for admission is 30; for SAT the minimum total score needed is 1350. Students with extraordinary ability who do not meet these criteria are encouraged to discuss their potential application with their counselor.

In order to more fully inform you about this exciting new program, please see your counselor

# COURSES OFFERED 2005-2006

## ADMINISTRATION (301)

200 , 201	Frosh Study Hall
210 , 211	Soph/Jr. Study Hall
230 , 231	Senior Study Hall
240 , 241	Teacher Assistant
250 , 251	Internship Work

## ART (302)

012 , 013	Design Concepts
030 , 031	Drawing 1
032 , 033	Drawing 2
040	Painting 1
043	Painting 2
050	Comm Illustration & Design
070 , 071	Ceramics 1
072 , 073	Ceramics 2
074 , 075	Ceramics 3
090 , 091	Photography 1
092 , 093	Photography 2 Traditional
094 , 095	Photography 2 Digital
324 , 325	Digital Art 1
326 , 327	Digital Art 2
110 , 111	Studio Ceramics
112 , 113	Studio Photo
114 , 115	Studio Draw/Paint
116 , 117	Studio Digital Art
118 - 119 *	# AP Art History
120 , 121	Art Independent Study

## BUSINESS TECH. (303)

210 , 211	Intro to Business
410	Marketing/Sales
413	Adv Marketing
421	Business Management
430 , 431	* Business Law
500 , 501	Consumer Education
222 , 223	Technology & Keyboarding
224	Tech. & Keyboarding Skills
239	Word Processing Skills
250 , 251	Word Processing
482 - 483	Desktop Pub/ Yearbook
484 , 485	Desktop Publishing
480 , 481	* Business Computer Applications
450 , 451	* Computer Prog. 1
453	* Computer Prog. 2
455	* Visual Basic
464 - 465 *	# AP Computer Prog.
460 , 461	Web Design
486 , 487	Multimedia Design/Pres
370 - 371	Accounting I
372 - 373	Accounting II
392 - 393	Business Internship
432	International Business
442 - 443	Marketing Internship
458 , 459	L/Wide Area Network I
490 , 491	Bus. Indpt. Study

## COMM. ARTS (304)

018 - 019	Patterns of Comm. Skills
020 - 021	* Patterns of Comm.
030 - 031 *	# Enr. Patterns Comm.
118 , 119	Written Comm. Skills
120 , 121	* Written Comm.
127	*Print Communication
130 , 131	*# Enr. Written Comm.
140 , 141	* Speech Comm.
312 - 313	American Literature Skills
316 - 317	* American Lit/Comp
480 - 481	* American Studies
318 - 319 *	# AP Amer Lit/Comp
332	# Enr Print Comm.
334 , 335 *	# Essay Writing
432 , 433 *	# English Literature
459 *	# Humanities
460 - 461 *	#AP Lit/Composition
324 , 325	* New Rhetoric
340 , 341	* Creative Writing
500	* Acting
503	Advanced Acting
511	Play Production
521	* Adv Speech
558 , 559	Film Comp. Analysis
561	Film Production
452 , 453	* Literary Themes
352 - 353	Yearbook Writing
358 - 359	Journal Writ/Print
604 , 605	Literacy Tutor
606 , 607	Literacy Comp.Tutor
434 - 435	Senior English
620 , 621	Comm. Art Indpt. Study

## DRIVER EDUCATION (305)

100 , 101	Driver Ed
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## ELL (306)

100 - 101	ELL Tutorial
200 - 201	ELL Beginning
210 - 211	ELL Intermediate
220 - 221	ELL Advanced
320 - 321	ELL Comp/Lit

## FOREIGN LANGUAGE (307)

100 - 101	* French I
110 - 111	* French II
120 - 121	* French III
130 - 131 *	# French IV
140 - 141 *	# French V
200 - 201	* German I
210 - 211	* German II
220 - 221	* German III
230 - 231 *	# German IV
250 - 251 *	# German V
300 - 301	* Spanish I
310 - 311	* Spanish II
320 - 321	* Spanish III
330 - 331 *	# Spanish IV
334 - 335 *	# Spanish V
500 - 501	* Latin I
510 - 511	* Latin II
520 - 521 *	# Latin Honors

## HEALTH EDUCATION (308)

100 , 101	Health Education
127	Contemp Health Issues

## FAMILY & CONSUMER SCIENCES (309)

221	Fashion Merchandising
308	Food Science
310	Food/Nutrition
311	Food Ways and Culture
350 , 351	Senior Foods
410	Interior Design I
423	Applied Interior Design
512	Parenting
516	Child Development
521	Child Development Lab
530 , 531	Adult Living
550 , 551	Consumer Ed
532 , 533	Intro to Teaching
580	Intro to Health Occupations
583	Health Occupations
590 - 591	HHS Internship
592 - 593	Cosmetology
610 , 611	Fam & Cons Indept Study

(continued next page)

#	Weighted Grade
*	NCAA Core Course
,	One Semester Course (Select one Number)
-	Full Year Course

# COURSES OFFERED 2005-2006 - continued

## CAREER & TECH EDUCATION (310)

100	Plant & Landscape Sciences
130 , 131	Floral Design
133	Adv Floral Design
141	Greenhouse Crop Prod
160 , 161	Companion Animal Biology
163	Advanced Companion Animal
190 - 191	Ag Science Internship
196	Hort/Greenhouse Op
198 , 199	Independent Agriscience
210 , 211	Intro Graphics I
218 , 219	Graphic Comm. 2
222 - 223	Production Graphics
410	Basic Electricity
420 - 421	Electronics I
422	Electronics II
432 - 433	A+ Certification
510 , 511	Woods I
516 , 517	Woods II
522 - 523	Woods III
610	Draft 1-Auto CAD 2D
617	Draft 2-Auto CAD 3D
620 - 621	Pre-Engineering Draft
630 - 631	Architectural Drafting
702 - 703	Research and Design
724	Auto Maintenance
727	Auto Mechanics
730 - 731	Auto Service
790 - 791	High Tech Internship
792 - 793	Industrial Internship
794 - 795	CWT I Coop
796 - 797	CWT II Coop
800 - 801	Building Trades
890 - 891	Tech Ed. Independent Study

## MATHEMATICS (311)

128 - 129	Intro to Algebra
130 - 131	* Algebra I
210 - 211	* Fundamentals of Geometry
212 - 213	* Plane Geometry
214 - 215 *	# Honors Geometry
308 - 309	* Algebra II
310 - 311	* Advanced Algebra
312 - 313 *	# Honors Advanced Algebra
316 - 317	* Discrete Math
326 - 327	* Pre-Calculus w/Trig.
328 - 329 *	# Hon Pre-Calculus w/Trig.
420 - 421 *	# AP Calculus AB
422 - 423 *	# AP Calculus BC
424 - 425 *	# Multi -Variable Calculus
426 - 427	# AP Statistics
650 - 651	Applied Math
690 - 691	Math Ind Study

## MUSIC (312)

112 - 113	9th Percussion
114 - 115	10th Percussion
116 - 117	11th Percussion
118 - 119	12th Percussion
120 - 121	Symphonic Band
124 - 125	Symphonic Winds
126 - 127	Chamber Winds
128 - 129	Wind Symphony
130 - 131	Wind Ensemble
142 - 143	Concert Orchestra
144 - 145	Symphonic Orchestra
204 - 205	Bass Choir
206 - 207	Cecilian Singers
220 - 221	Concert Choir
234 - 235	Chorale
236 - 237	Treble Choir
240 , 241	Music Theory
250 , 251	Music Appreciation
290 , 291	Music Independent Study

## PHYSICAL EDUCATION (313)

140 - 141	Physical Education I
143	Physical Educ. I Repeat
240 - 241	Physical Education II
242 - 243	Physical Educ. II Repeat
490 - 491	Physical Educ IV (Jr/Sr)
492 - 493	Physical Educ. IV Repeat
532 - 533	Physical Educ. Spec. Ed.
662 - 663	Senior P.E. Leader
664	Junior P.E. Leader

## SCIENCE (314)

140 - 141	* Dynamic Earth Systems
200 - 201	* Ecological Biology
202 - 203 *	# Enriched Molecular Biology
250 - 251	Research & Design
300 - 301	* Chemistry
302 - 303 *	# Enriched Chemistry
510	* Weather/Environment
513	* Physical Geology
521	* Astronomy
398 - 399	* Physics
410 - 411 *	# Enriched Physics
530 , 531 *	# Advanced Biology
534 - 535 *	# AP Biology
544 - 545 *	# AP Chemistry
551 *	# Advanced Physics
590 , 591	Science Indpt. Study

## SOCIAL SCIENCES (316)

120 - 121	World Cultures Skills
122 - 123	* World Cultures
150	* World History : Ancient Wrld
155	* World History :Med History
158	* World History :Mod History
163	* World History :20th History
170 - 171 *	# AP Euro History
180 - 181	* U.S. History
200 - 201	U.S. History Skills
232 - 233	* American Studies
235 *	# Spec. Topics: Supreme Court
240 - 241 *	# AP U. S. History
242	* # Spec. Topics: Int Rel
245 *	# Spec. Topics: Military History
246	* # Spec. Topics: Urban History
300	* State/Local Politics
312 , 313	* American Government
315 *	# AP American Government
318 , 319	* Economics:Wealth & Investing
324 , 325 *	# AP Macro/Micro
330 , 331	* Amer Prob/Law
340 , 341	* Minorities/Amer. Society
351	* Sociology
360 , 361	* Intro to Psychology
365 *	# AP Psychology
370	* Comparative Religions
381	* Cultural Anthropology
420 , 421	Soc. Science Indpt. Study

## SPECIAL EDUCATION

Please review individual course listings.  
Course registration is by recommendation and placement only.

#	Weighted Grade
*	NCAA Core Course
,	One Semester Course (Select one Number)
-	Full Year Course

# GENERAL INFORMATION

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- JANUARY** Course Selection kickoff  
Freshmen Family Orientation  
Freshmen Course Selection
- MAY** Course verification mailed to students  
Freshmen Jamboree
- AUGUST** Freshmen registration  
Freshmen Enter with Pride  
First day of school

Students and parents should become thoroughly familiar with the information found in these pages. Counselors may offer suggestions and information; however, course selections must be your decision and responsibility. **Please consider course selection carefully. Discretionary changes in schedules will not be possible since many courses will be closed.** Please consider this booklet as an opportunity to explore the "wealth" and "depth" of course offerings here at Naperville North High School. This is a good time to begin setting career goals. They should be a part of your decision-making process.

## COURSE SELECTION/VERIFICATION QUESTIONS

Your high school counselor is available to answer any questions you may have regarding our curriculum and your course selection. Remember, however, that your junior high counselor, teachers and your parents know your interests and abilities best.

## COURSE LOAD

The minimum course load each semester is four courses and physical education. The typical course load for freshmen is five courses, physical education, and study hall.

## SUMMER SCHOOL

Incoming freshmen may attend summer school for high school credit. Registration information is available at the Junior High Schools. For further information, please call the Guidance Office at 420-6502. There is a strict attendance policy for summer courses. If you anticipate an attendance concern, please contact the summer school principal prior to signing up for a course.

## SPECIAL EDUCATION PROGRAM

Naperville North offers a broad range of support services for special education students including services of a school nurse, guidance counselors, social workers, psychologists, speech therapists, and special education teachers. Students qualifying for learning disability programs have the full range of services from L.D. Resource to self contained instruction. The Behavior Disorder Program provides an instructional environment for students who exhibit emotional/behavior disorders. A continuum of services for students with multi-needs is also available. Itinerant services can also be provided for students who are hearing or visually impaired, or physically challenged. In addition, alternate placements are provided when determined by the Multi-Disciplinary Team, to meet individual student needs.

Requests for special education services are normally made through the counselors at North. Parents whose students are new to North and whose students have had special education services in other schools should, if possible, present an Individual Educational Plan (I.E.P.) to the counselor when registering.

## RESIDENCY REQUIREMENTS

Naperville North High School serves students who establish residence with parents or legal guardians who live within the boundaries as established by District 203. Students enrolling in the school district for the first time must present a birth certificate or other reliable proof of identity and age such as a passport. State law makes it a misdemeanor for anyone to provide false residence information for the purpose of school attendance.

## PHYSICAL EXAMINATIONS

The Illinois School Code requires that students have a physical examination by a licensed physician within one year prior to entrance into ninth grade. For students interested in athletics, the physical should be administered during the summer immediately preceding the freshman year. Documentation of immunity to diphtheria, hepatitis, tetanus, pertussis, polio, measles, rubella, and mumps is also required for all students attending Illinois schools. No student will be allowed to register for or attend school unless he or she can show that the physical examination has taken place and that required immunizations are current.

## AVAILABILITY OF PHYSICAL EXAMINATION FORMS

All Naperville doctors have been supplied with the mandatory forms that are to be completed as evidence that a physical examination has been accomplished. In addition, forms are available in the junior high schools and through the Guidance Office at Naperville North. **The physical examination report, with complete immunization information documented on the report, must be submitted during registration in August.**



# CURRICULUM INFORMATION AND COURSE SELECTION

## CURRICULUM

The curriculum at Naperville North is comprehensive in nature and is supported by the Instructional Coordinators and an Assistant Principal for Curriculum and Instruction. A comprehensive curriculum offers courses for all students whether they are bound for a 4-year university, the work force or a technical/trade school after high school graduation.

Students concentrate in the core content areas and select electives to enhance their curriculum. Naperville North is an exemplary high school represented by high achieving students. There is a definite correlation between enrollment in core courses and increased student performance on the ACT and SAT college admission tests.

Naperville North's core courses are taught at the "skills" level, "academic" level, and "enriched/weighted" level. Each student's individual needs are taken into account to decide upon a placement that offers the best learning environment. While counselors and teachers are here to provide information, to answer questions, and to assist with the decision making process, the ultimate responsibility for educational plans rests with the student and parents.

## INSTRUCTIONAL SUPPORT

Three areas in the building support the instructional program at Naperville North High School.

### THE LIBRARY

The Library is a centrally located two floor facility which houses over 26,000 books, magazines, a vertical file and an extensive collection via an automated online catalog from all the computers in the library. The library currently subscribes to an Internet based magazine and newspaper full text database, which is available for student access here at school as well as at home. All the online databases are accessible from the library web page on the NNHS website. Students may pick up an up-to-date list of the various online services (and user names and passwords) at the circulation desk on the lower level.

The lower level is home to book materials, magazines and the vertical file, while the upper level houses the audio-visual collection. Computers with word processing software and Internet access are available on both levels of the library.

### THE CAI LAB

The Computer Assisted Instruction (CAI) lab is located on the second floor adjacent to the upper library. The lab allows students to work as a class under the direction of a teacher on specific projects. In addition, students can do word processing or conduct research on individual academic assignments during lunch and study hall.

### THE LITERACY CENTER

The Literacy Center offers a comprehensive program of services available to all students throughout the school day. Instruction is provided by certified staff and selected peer tutors in the following areas: drafting and revision of writing assignments, preparation and practice of oral presentations, development of reading strategies, mathematics, and enhancement of study and test taking skills. Computer tutors are available for help with Power Point, Microsoft Word, Excel, Writers Workbench, and the Internet. In addition, the Literacy Center provides areas for individual and small group conferencing, displays of student work and group and individual assessment.

The Literacy Center is located on the second floor above the Lower Resource Center and is open from 7:00 A.M. until 3:10 P.M. every day of student attendance. Students may make an appointment or drop in before school, during study hall or lunch periods.

## COURSE SELECTION AND DECISION-MAKING

Our school day consists of eight periods, fifty minutes each, beginning at 7:45 a.m. and concluding at 3:10 p.m. Within those eight periods, the typical freshman student enrolls in five or six academic classes, physical education, lunch, and possibly a study hall. All of our study halls are maintained as quiet study areas under the supervision of certified faculty. Over the course of 4 years, a student's schedule should lead toward a minimum graduation requirement of 21 credits. Each semester course is equivalent to .5 credit.

We have developed a 4-Year Plan model included at the end of this booklet. Core requirements and appropriate year of enrollment are indicated. Graduation requirements and suggested sequences are represented in the model as points of departure as you plan your high school educational sequence. A twice-yearly review of your educational plan is suggested so that you can maintain an accurate representation of your progress toward graduation, post-secondary education and career plans.

A blank 4-Year Plan Model is provided to begin your planning. Use pencil, make tentative plans, consult school staff and always include your parents in the discussion process. Do not wait until your senior year to decide on areas of interest. Planning ahead will allow time for both special interest and core classes.

Sharing ideas, discussing interests, reviewing strengths and limitations are all conversations that should be a part of the planning process. As you transition from freshman year to sophomore year, there may be changes in some of these areas. Review your plan and make changes, but always keep your personal goals and graduation requirements in mind.

### SELECTING "ACADEMIC" OR "ENRICHED/WEIGHTED" CLASSES

A decision that requires considerable thought is whether or not to enroll in enriched/weighted classes. While the student receives additional "points" in the GPA calculation, there are heightened expectations in the quantity of work and the level of performance.

Many students will be recommended for enrollment in one or more enriched courses. Recommendation does not mean that a student must take the class. We believe that each student should individually consider his/her enrollment in an enriched class in light of individual interests, abilities and participation in co-curricular activities. Students who are recommended may enroll in each class for which they are recommended. Parents and students should reach these decisions together after receiving junior high recommendations.

### COMMUNICATION ARTS

Enriched Patterns of Communication and Patterns of Communication are parallel courses. The premise and organizing principles, the learner outcomes, and the processes for teaching reading, writing, speaking and listening are the same. Both courses prepare students to complete the Naperville North High School Communication Arts curriculum 9-12 and to meet college expectations in English.

The significant differences between the two courses are the texts read and analyzed, the depth and development of spoken and written responses to the texts, and the communication skills expected from an entering 8th grade student. Students with significantly stronger communication skills and study habits should enter Enriched Patterns of Communication. The most significant factor in determining whether or not a student has these qualities are eighth grade English grades. A consistent "A" grade is the expectation. An "A" demonstrates both an advanced skill level and the study habits to demonstrate those skills consistently.

If students meet the expectations of Enriched Patterns of Communication as entering 8th grade students and choose not to enroll in Enriched Patterns of Communication for any reason, they may enroll in an enriched class at a later date. There are different levels in Communication Arts classes 9-12; they are not

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"tracks". These flexible levels are designed to accommodate different student abilities at different points of time in a student's progression through Communication Arts classes.

## **MATH**

The significant difference between Geometry and Honors Geometry is in the level of challenge. Honors students should have a natural enthusiasm for mathematics that allows them to enjoy the challenge of difficult problems. At times, students will learn and work independently. Students are expected to take on an active role in participation, presenting and explaining solutions to difficult problems.

In addition to the above, successful Honors Geometry students have good study habits, and good organizational skills they are able to grasp abstract concepts, and are comfortable with higher level thinking required by problems with multiple concepts.

## **SCIENCE**

Enriched science students at NNHS should be high-achieving students who are able to grasp abstract concepts and function as independent learners. Enriched classes demand that students take an active role participating in the generation of ideas and solutions to problems.

### **EXAMPLE FOR BIOLOGY:**

A typical concept is to learn the parts (organelles) of the cell and the function of those organelles. Most students can memorize the organelles and the function and expect to see a matching question pairing organelles with their functions on the examination.

An Enriched Biology class would ask each student to give four or five reasons why a particular cell would have trouble producing protein and to explain which cell organelles are causing the problem. Most successful Enriched Biology students can give a minimum of eight reasons.

### **EXAMPLE FOR CHEMISTRY:**

General chemistry will work with several types of chemical reactions using simple, representative examples. These kind of chemical reactions include combination, decomposition, single and double replacement, and combustion. Students will also study nuclear reactions associated with radioactive decay.

Enriched Chemistry will work in greater depth with all the chemical reactions listed in General Chemistry and in addition study redox reactions, the processes of chemical cells and electroplating, and thermochemistry, to name a few topics for enrichment.

## **SUMMER SCHOOL**

When developing a four-year plan, please keep in mind that the following courses are usually offered during District 203 summer school:

Introduction to Algebra  
Algebra I  
Geometry  
American Government  
U.S. History  
Consumer Education  
Literary Themes  
Keyboarding  
Greenhouse Operations  
Driver Education

These courses are also offered, but can only be taken if a student has already failed the course during the regular school year:

Speech  
Written Communication  
Patterns of Communication  
Health

# QUESTIONS AND ANSWERS ABOUT NAPERVILLE NORTH

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***Q: Course Selection seems pretty complicated. What can parents and students expect?***

There are two visits to the junior high schools by the high school counselors. The Athletic Director and the Dean of Student Activities also visit with information about the co-curricular programs. A course booklet is provided and the junior high counselors and teachers provide assistance through the recommendation process. There is also a program in late January for students and parents to learn more about life in high school and the curricular program.

***Q: What does the school day look like?***

The school day begins at 7:45 and concludes at 3:10. Within that day are eight 50-minute class periods.

***Q: In how many classes do most freshmen enroll?***

Each student's situation is different. Currently, about 55% of the students take 5 classes, Physical Education, lunch and study hall. The remaining 45% take six classes plus Physical Education. The sixth class is usually an elective that complements the student's interest.

***Q: Should ninth graders take electives?***

While very limited situations may require otherwise, the fundamental core of English, Science, Math and Social Studies should be part of almost every ninth grade schedule. Electives are frequently a part of the schedule in the form of Foreign Language, Music, Fine Arts or Applied Sciences. Parents and students should carefully review the graduation requirements and make an individual decision regarding appropriate scheduling of classes. In addition, some upper level courses have prerequisites. Review these carefully.

***Q: What do I do if I think my student needs special education services?***

District 203 offers comprehensive special education services for a broad spectrum of student abilities. For students, already receiving services in Jr. High, the transition is handled through the school in coordination with the parents. For students not presently identified as needing special services, the first contact should be with the high school counselor.

***Q: Can I change my mind regarding course selections?***

Students and parents should consider their course selections as final. Discretionary changes will not be possible.

***Q: Does every student go to college? What if my student seems to be headed in a different direction?***

Previous experience indicates that over 90% of our students will continue their education at a four or two-year college or university. However, many students follow other career paths. Our Developmental Counseling program for all students will help parents and students make course and career decisions. We also have available a number of internship programs and vocational schools and military contacts which will assist students.

***Q: What are enriched/weighted courses?***

Naperville North offers an extensive sequence of enriched/weighted courses in a variety of departments for academically talented students. These courses offer additional grade points to be included in GPA calculation. However, expectations in terms of amount of work and level of achievement are considerably increased.

***Q: What if I disagree with the eighth grade staff on placement or recommendations for my student?***

Historically, we can point to the appropriateness and correctness of the recommendations of Jr. High staff. However, the ultimate responsibility for course selection rests with the students and their parents. If you disagree, you should discuss the situation with your student's teachers. Be reminded that decisions may not be able to be reversed due to closed/full classes.

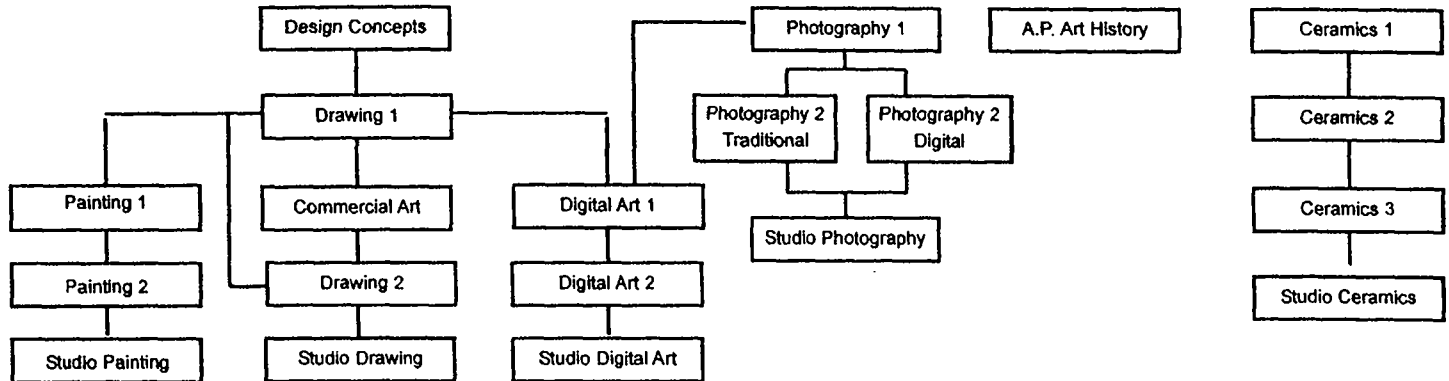
***Q: When do I schedule foreign language?***

We live in a global society and our foreign language program provides much more than language skills. As each college or university has different admission requirements, it is critical that parents and students investigate for themselves the role of languages in the college application process. Frequently, students begin their study in ninth grade, but many postpone enrollment until tenth or eleventh grade. Foreign language is not a high school graduation requirement, but may be required for admission to the college of your choice. (2 years of the same language is a typical requirement for college.)

# ART

The Art Department offerings are designed to develop in all students' visual sensitivity, creative talents, cultural appreciations, and lifelong skills that can enhance career and personal potentials. The Art program offers courses both for students with little or no background in visual arts as well as courses for advanced students who are interested in specializing on a career in the visual arts. One semester is required from the Fine Arts. From the courses listed below the department recommends either A.P. Art History, Design Concepts, Drawing 1, Ceramics 1, or Photography 1 to satisfy this graduation requirement. All courses satisfy the Fine Arts graduation requirement.

## ART COURSE SEQUENCE



## ART COURSE OFFERINGS

Subject	Open to Grades	Prerequisite
Design Concepts	9, 10, 11, 12	None
Drawing 1	9, 10, 11, 12	See Description
Drawing 2	9, 10, 11, 12	Drawing 1
Digital Art 1	9, 10, 11, 12	See Description
Digital Art 2	9, 10, 11, 12	Digital Art 1
Ceramics 1	9, 10, 11, 12	None
Ceramics 2	9, 10, 11, 12	Ceramics 1
Ceramics 3	10, 11, 12	Ceramics 2
Commercial Illustration & Design	10, 11, 12	Drawing 1
Painting 1	10, 11, 12	Drawing 1
Painting 2	10, 11, 12	Painting 1
Photography 1	10, 11, 12	None
Photography 2 - Traditional	10, 11, 12	Photography 1
Photography 2 - Digital	10, 11, 12	Photography 1
Studio Drawing, Ceramics, Photo, Digital Art	10, 11, 12	Completed Sequence
A.P. Art History	11, 12	1 Credit in Art or World History
Art Independent Study	11, 12	Studio

## ART COURSES

### 302012 , 302013

**DESIGN CONCEPTS**  
In this course students will explore the elements of the visual arts and the principles of design, use a variety of art media, and develop their drawing skills. This is an entry level course for students who have either little art experience, beginning drawing skills or are unsure of their art skills. It provides a good background in basic skills, vocabulary, and understanding of art before taking Drawing 1 or other Art offerings.

Level: 9,10,11,12

Semesters: 1

Credit: 1/2

Course Fee Required

### 302030 , 302031

**DRAWING 1**  
This course is concerned with composition and development of perceptual drawing ability through a variety of drawing media. Students should have a good foundation in the elements and principles of design and be familiar with the concepts of composition, as demonstrated in Design Concepts.

Level: 9,10,11,12,

Semesters: 1

Credit: 1/2

Prerequisite: Read descriptions for both Design Concepts and

Drawing 1. If any questions, ask for art teacher's recommendation.

Course Fee Required

### 302032 , 302033

**DRAWING 2**  
This course is for the more advanced student with emphasis on developing skills, perception, imagination, and aesthetic sensitivity. The course is arranged on an assigned project basis which requires knowledge of drawing composition. Each student works individually on these projects. This requires a high degree of personal responsibility.

Level: 9,10,11,12

Semesters: 1

Credit: 1/2

Prerequisite: Drawing 1

Course Fee Required

### 302040

**PAINTING 1**  
Students will learn basic skills and techniques in watercolor, acrylics and oils. Through a series of related assignments, they will be exposed to color and value mixing, underpainting, scumbling, drybrush, glazing, impasto, palette knife techniques as well as canvas stretching and preparation. Special painting tools and brushstroke effects will be used to create the illusion of form, texture and light. The course will also assist students in forming value judgements concerning their work as well as the work of others. Projects are developed by the students based on original compositions that explore perception, imagination and aesthetic sensibility.

Level: 10,11,12

Semesters: 1

Credit: 1/2

Prerequisite: Drawing 1

Course Fee Required

**302043****PAINTING 2**

Students will work with compositions that are more challenging than in Painting I and derived from memory, observation and imagination. They will master the process of visually organizing art elements to support personal expression. Students will focus on several disciplines such as figure, still life, landscape, portraiture and mixed-media collage. A variety of media and their combinations will be used to stimulate creative thinking and sharpen sensory awareness.

Level: 10,11,12

Semesters: 1

Credit: 1/2

Prerequisite: Drawing 1, Painting 1 and Instructor recommendation

Course Fee Required

**302050****COMMERCIAL ILLUSTRATION & DESIGN**

This course will introduce students to commercial applications of drawing and design. Illustration and cartooning assignments foster storytelling abilities, personal style, awareness of human expression and movement and versatility of media and technique. Package design, graphic design and typography projects allow students to develop conceptualization, layout and visual communication skills. The course challenges students to work under production schedules and is designed for those considering an art career.

Level: 10,11,12

Semesters: 1

Credit: 1/2

Prerequisite: Drawing 1

Course Fee Required

**302070 , 302071****CERAMICS 1**

A course providing instruction in basic ceramic techniques and applications. Students will be exposed to the different hand building methods of pinch, coil, slab and mold forming, e.g., drape, press, and sling. Students will be given general knowledge in clay and glaze formulation, kiln firing, basic glazing techniques, and shop procedures. The knowledge gained in Ceramics 1 is necessary for Ceramics 2.

Level: 9,10,11,12

Semesters: 1

Credit: 1/2

Prerequisite: None

Course Fee Required

**302072 , 302073****CERAMICS 2**

This course is designed to teach the skills of wheel throwing. Students will be guided through the basic skills, learning procedures needed to accomplish the following forms: cylinder, bottle, bowl, and platter. They will be given more opportunities to learn about clay formulation and kiln loading and firing. Knowledge gained in Ceramics 2 will be needed in Ceramics 3.

Level: 9,10,11,12

Semesters: 1

Credit: 1/2

Prerequisite: Ceramics 1

Course Fee Required

**302074 , 302075****CERAMICS 3**

This is a continuation of Ceramics 1 hand building and Ceramics 2 wheel throwing but at a much higher level. Students will be instructed in the throwing of footed forms, lidded forms, and a tea service. They will do projects in hand building whether separately or in combination with wheel throwing forms.

Level: 10,11,12

Semesters: 1

Credit: 1/2

Prerequisite: Ceramics 1 and Ceramics 2

Course Fee Required

**302090 , 302091****PHOTOGRAPHY 1**

This course teaches how the elements of art and composition are used in photography. The course provides instruction and practice in the use of 35 mm camera and developing techniques for black and white film. Students are expected to use their own 35 mm cameras with manual operations for control of both shutter and aperture, and purchase their film and paper. This course also meets the Fine Arts requirement.

Level: 10,11,12 Lab Fee

Semesters: 1

Credit: 1/2

Prerequisites: None

Course Fee Required

**302092 , 302093****PHOTOGRAPHY 2 - TRADITIONAL**

This course teaches advanced work in black and white photography, including darkroom chemistry, camera filters, advanced enlarger manipulation, and studio lighting.

Level: 10,11,12

Semesters: 1

Credit: 1/2

Prerequisite: Photography 1

Course Fee Required

**302094 , 302095****PHOTOGRAPHY 2 - DIGITAL**

This course teaches advanced work in black and white photography utilizing a digital medium, including darkroom chemistry, camera filters, advanced enlarger manipulation, and studio lighting.

Level: 10,11,12

Semesters: 1

Credit: 1/2

Prerequisite: Photography 1

Course Fee Required

**302324 , 302325****DIGITAL ART 1**

This course will provide students with the basic skills necessary to operate the computer and peripherals in order to create a work of art. Students will apply the elements of art and principles of design as well as use special functions inherent to the computer, e.g., manipulation and transformation.

Level: 9,10,11,12

Semesters: 1

Credit: 1/2

Prerequisite: Drawing 1 or Photography 1

Course Fee Required

**302326 , 302327****DIGITAL ART 2**

The course is designed as a continuation of the skills learned in Digital Art 1 and as an introduction to 3-D modeling and computer animation. Computer modeling and animation are so integral in the world of film, movies, television, interaction games and the Internet. Students will work on extensive projects allowing for the mastery of skills and the development of personal style.

Level: 9,10,11,12

Semesters: 1

Credit: 1/2

Prerequisite: Digital Art

Course Fee Required

**302110 , 302111****302112 , 302113****302114 , 302115****302116 , 302117**

**STUDIO CERAMICS  
STUDIO PHOTOGRAPHY  
STUDIO DRAWING/PAINTING  
STUDIO DIGITAL ART**

An exciting concept in advanced art instruction. The student, with the assistance of the instructor, will develop an individualized program within their area of concentration to be completed at the student's pace under guidance of the instructor. Students may concentrate in their area of specialty and interest: Painting, Drawing, Ceramics and Sculpture, Photography and Digital Art. There will also be an opportunity for the student to expand into other medias and develop mixed-media projects. Studio courses may be repeated four times for 2 units of credit.

Level: 10,11,12

Semesters: 1 (max 4)

Credit: 1/2

Prerequisite: Student must have exhausted the sequence in their area of specialization by completing either Digital Art 2, Drawing 2, Painting 2, Ceramics 3 or Photography 2 and Instructor Permission.

Course Fee Required

**302118 - 302119****ADVANCED PLACEMENT ART HISTORY**

This course is designed to promote an understanding and enjoyment of architecture, sculpture, painting and other art forms within historical and cultural contexts. The first semester course of study will begin with the Classical Age of Art and end with the Renaissance. The second semester will begin with the Northern Renaissance and conclude with a study of contemporary art. This course is equivalent to an introductory college survey course and students may consider taking the Advanced Placement exam in the spring semester for college credit. Students will have opportunities to attend field trips to Chicago museums and galleries, deepening their knowledge and perspective.

Level: 11,12

Semesters: 2

Credit: 1 (weighted)

Prerequisite: One credit in Art or World History with a B or better

Course Fee Required

**302120 , 302121****ART INDEPENDENT STUDY**

This course provides a flexible program for students who have completed Art Studio. Prior to registration a student must work out an acceptable contract with an art teacher.

Level: 11,12

Semester: 1 or 2

Credit: 1/2 or 1

Prerequisite: Studio Art Courses (4 semesters)

Course Fee Required

# BUSINESS TECHNOLOGY

The Business Technology Department offers a wide variety of courses to meet the many needs of our students and community. Students may enroll in these courses to develop personal-use or employable business skills. All Business Technology courses teach and/or reinforce basic skills. Many students enroll in business courses to prepare themselves for advanced training at the college or post-secondary level. A student may receive on-the-job training, receiving credit and wages, by selecting Internship courses - Marketing Internship or Business Internship. All courses fulfill the Applied Science and Technology graduation requirement.

## BUSINESS TECHNOLOGY COURSE OFFERINGS

Strand/Subject	Open to Grades	Prerequisite	Recommended
<b>Programming</b>			
Computer Programming 1	10,11,12		Technology & Keyboarding
Computer Programming 2	11,12	Computer Prog. 1	
Visual Basic	10,11,12	Computer Prog. 1	
AP Computer Programming	11,12	Comp Prog 1 & 2	
Web Page Design	9,10,11,12		Technology and Keyboarding
"LAN/WAN	10,11,12		A plus Certification
<b>Information Technology</b>			
Desktop Publishing	9,10,11,12		Technology & Keyboarding
Desktop Publishing Yearbook	9,10,11,12		Technology & Keyboarding
Word Processing	9,10,11,12		Technology & Keyboarding
Multi Media Design	10, 11,12		
<b>Entrepreneurship</b>			
Business Management	11,12		
Business Law	11,12		
Marketing	10,11		
Advanced Marketing	10,11,12		
Accounting	10,11,12		
Accounting II	11,12	Accounting I	
International Business	10,11,12		
<b>Business Foundations</b>			
Introduction to Business	9,10		
Technology & Keyboarding	9,10,11,12		
Business Computer Applications	10,11, 12		
Consumer Education	12		
<b>Career Development</b>			
Business Internship (BCE)	11,12	Instructor Approval	
Marketing Internship (ME)	11,12	Instructor Approval	
Business Education Independent Study		Instructor Approval	

## BUSINESS COURSES

### 303210 , 303211

### INTRODUCTION TO BUSINESS

This course is highly recommended for freshman and sophomore students who are interested in learning how to function effectively in the business world. Some of the topics included in this course of study are the economy, banking and saving, investing in the stock market, accounting principles, marketing, management and leadership skills required to become successful in the business world. The application and importance of business etiquette and ethics will be introduced. One highlight of the course includes a visit to the Chicago Board of Trade, the Mercantile Exchange, and the Federal Reserve Bank. Additionally, the students will participate in a Stock Market trade competition. Students will also engage in an entrepreneurial ship unit to enhance their understanding of what is involved in owning their own businesses. After completing this course, students will understand how the different components of the business world operate and interact with each other, and will gain exposure to the skills necessary to function well in today's changing economy.

Level: 9,10

Semester: 1

Credit: 1/2

Prerequisite: None

Course Fee Pending

### 303410

### MARKETING/SALES

Everyone is affected by marketing. There is hardly anything you do that does not involve marketing activities. Students will learn marketing techniques, business concepts, marketing research techniques, information management, product planning, pricing and promotion. Speakers, the Internet and trade journals are used to keep information current. This course is recommended for college-bound business majors and for those who enroll in Marketing Internship.

Level: 10,11,12

Semesters: 1

Credit: 1/2

Prerequisites: None

**303413 ADV MARKETING/SPORTS & ENTERTAINMENT**

Advanced Marketing gives students the opportunity to take the fundamentals they learned in Marketing and apply this knowledge in real-life sports and entertainment situations. Students will perform actual sports and entertainment marketing for local programs in our high school. Students will work with local businesses and school organizations and teams to create sponsorship and marketing.

Levels: 10,11,12 Semesters:1 Credit: 1/2  
Prerequisites: Marketing/Sales

**303421 BUSINESS MANAGEMENT**

Take this course if you are planning to major in business administration, management, finance, personnel relations, accounting, marketing, or other business-related fields. You will become acquainted with management principles used in business today. You will participate in discussion groups, read trade journals and financial publications, and create and write solutions to management problems. You will also participate in running a student led business.

Levels: 10,11,12 Semesters:1 Credit: 1/2

**303430 , 303431 BUSINESS LAW**

Do you know your rights? Can you protect yourself against a fraudulent contract? What if you are summoned to appear in court? This course provides practical knowledge in the topics of civil and criminal law, contract law, employment law, and school law. Many guest speakers (attorneys, police, juvenile officer), field trips (court, jail), small group activities, discussions of unresolved current issues, mock trials, and simulations are used.

Level: 11,12 Semesters: 1 Credit:1/2  
Prerequisite: None

**303432 INTERNATIONAL BUSINESS**

Because global economy is now a reality, international business is a priority in the business world. Through hands-on experience, computer activities and business simulations, students will understand the marketing, finance, and management challenges facing international business. In addition, speakers who are involved with international business and local business will share knowledge from the "real world". This course offers students the opportunity to become informed about economic, multi-cultural and political factors that affect international business and our continually changing global economy.

Level: 10,11,12 Semesters: 1 Credit:1/2  
Prerequisites: None

**303392 - 303393 BUSINESS INTERNSHIP (BCE)**

Business Internship is designed for students with a career interest that would typically take place in an office environment. Students receive credit for the related class and credit for their job experience. Students gain firsthand knowledge through on-the-job training at a local business. The teacher assists the student in locating an appropriate placement. Typical placements include accounting, desktop publishing, computer programming, administrative assistant, law, graphic design and computer networking. In the related class, students study job related topics, develop job search skills, explore careers, develop leadership skills, work on interpersonal relations. As part of the class, students participate in Business Professionals of America. This organization provides the students the opportunity to develop leadership skills, attend conferences and participate in competitive events.

Level: 11, 12 Semesters: 2 Credit: 2  
Prerequisite: Based on student's career objective.  
Student may enter Business Internship second semester.

**303370 - 303371****ACCOUNTING**

A recent survey given to college students asking the course they wished they had taken in high school showed the most frequent response to be Accounting. Accounting is also one of the biggest areas of growth in the job market. Students planning to operate their own business or major in business in college will find this course a must. This course utilizes Quick Books Accounting Software as students learn how to work with journals, ledgers, balance sheets, income and capital statements. This course fulfills a math requirement for graduation, and students are eligible to receive articulated credit through COD. Accounting is an important course that will prepare you for a job, give you a solid background for any business study in college, and provide you with an understanding of how financial decisions are made.

Level: 10,11,12 Semesters: 2 Credit: 1  
Prerequisite: None Course Fee Required

**303372 - 303373****ACCOUNTING II**

In this advanced course you will apply accounting principles for partnerships, corporations, and departments. Students will use spreadsheet software to create financial statements for all units studied. Topics covered in Accounting 2 include: accruals, prepaid expenses, income received in advance, vouchers, notes receivable and payable, and capital stock. Simulations are utilized to allow students to assume the role of an accountant. This course builds a solid foundation for business majors at the college level and students are eligible to receive articulated credit through COD

Level: 10, 11,12 Semesters:2 Credit: 1  
Prerequisite: Accounting Course Fee Required

**303442 - 303443****MARKETING INTERNSHIP (ME)**

Marketing Internship is designed for students with a career interest in sales, marketing, advertising or entrepreneurship. Students receive credit for the related class and credit for their job experience. Students gain firsthand knowledge through on-the-job training at a local business. The teacher assists the student in locating an appropriate placement. In the relate class, students study job related topics, develop job search skills, explore careers, develop leadership skills, work on interpersonal relations. As part of the class, students participate in Business Professionals of America. This organization provides the students the opportunity to develop leadership skills, attend conferences and participate in competitive events.

Level: 11,12 Semesters: 2 Credit: 2  
Prerequisite: Based on student's career objective.  
Student may enter Marketing Internship second semester.

**303490 , 303491****BUS. ED. INDEPENDENT STUDY**

Contract must be made w/sponsoring teacher prior to beginning of each semester

Level: 11,12 Semesters: 1 or 2 Credit: 1/2 or 1

**303500 , 303501****CONSUMER EDUCATION**

This course is designed to prepare students to be wise and responsible consumers in the market place and to meet the state requirement for graduation. Students will study basic economics, credit, budgeting, saving, and investing. They will complete several authentic projects addressing career investigation, automobile and apartment purchases, selecting insurance, preparing taxes, and planning food and clothing purchases.

Level: 12 Semesters: 1 Credit: 1/2  
Prerequisites: None See course description for Family & Consumer Science 309550 ,309551

## COMPUTER SEQUENCE

### COMPUTER TECHNOLOGY COURSES

#### 303222 , 303223 TECHNOLOGY & KEYBOARDING

In the course you will improve your ability to use the Internet as a research tool. You will learn how to incorporate Excel graphs into your work and take your Power Point skills to a higher level. Even students who key more than 40 words per minute will greatly benefit from this course. You will improve your speed and accuracy by learning the touch method. Additionally, you will learn how to format reports, memorandums, resumes and tables. Knowing how to key efficiently in college is a must. No matter what profession you choose, you will be working with computers; therefore "Technology & Keyboarding" is a necessity

Level: 9,10,11,12      Semesters: 1      Credit: 1/2  
Prerequisite: None      Course Fee Required

#### 303224 TECHNOLOGY & KEYBOARDING SKILLS

Core skills of keyboarding will be taught. The pace of this class is adjusted.

Level 9,10,11,12      Semester 1      Credit 1/2  
Prerequisite: None      Course Fee Required  
Instructor Approval Required

#### 303250 , 303251 WORD PROCESSING

The student will learn the life skill of word processing using Microsoft Office and the Internet. Throughout the semester, the student will be guided step by step, with hands-on instruction at a comfortable pace. Utilizing the word processing features, including enhancements, bullets, outlines, thesaurus, macros, merge, search/replace, columns and graphics, students will learn to format professional-looking documents. This course receives articulated credit at College of DuPage. See instructor or counselor for information.

Level: 9,10,11,12      Semesters: 1      Credit: 1/2  
Prerequisites: Keyboarding      Course Fee Required

#### 303239 WORD PROCESSING SKILLS

Core skills of word processing will be taught. The pace of this class is adjusted.

Level 9,10,11,12      Semester 1      Credit 1/2  
Prerequisite: None      Course Fee Required  
Instructor Approval Required

#### 303484 , 303485 DESKTOP PUBLISHING

Students will learn to design publications using Quark Express, PhotoShop and the Internet. Desktop publishing concepts and software procedures will be taught by utilizing "hands on" practice and applications. The professional elements of design and page layout will be studied and applied to a wide range of graphic and text-intensive projects including invitations, announcements, flyers, brochures, menus, and newsletters.

Level: 9,10,11,12      Semesters: 1      Credit: 1/2  
Prerequisites: Keyboarding      Course Fee Required

#### 303482- 303483 DESKTOP PUBLISHING/YEARBOOK

Desktop publishing concepts and software procedures will be taught by using "hands on" practice and application. The professional elements of design and page layout will be studied and will be applied to yearbook production. The class will produce the school's yearbook. This class is for you if you would like to be staff members and editors of the school yearbook and enjoy writing.

Level: 9, 10, 11, 12      Semesters 2      Credit 1  
Course fee required.

Credit may be taken in Business Technology or Communication Arts (304352-304353) or split between both.

#### 303480 , 303481 BUSINESS COMPUTER APPLICATIONS

The student will learn the current methods of preparing and designing the spreadsheet, data base, graphs and presentation documents for the educational, business and professional environments using Microsoft Office and the Internet. Students will develop commonly used documents: budgets, sales forecasts, survey analysis, sales reports, inventories, membership lists and informative presentations. The students will also learn how to enter numerical information quickly, perform calculations, format numbers appropriately, and enhance the appearance of documents. Concepts will be presented and followed by a hands-on computer application problem.

Level: 10,11,12      Semesters: 1      Credit: 1/2  
Prerequisites: Keyboarding      Course Fee Required

#### 303486, 303487 MULTIMEDIA DESIGN & PRESENTATIONS

Learn how to create appealing and cutting edge multimedia and web pages. This course covers the applications for Macromedia Flash, Fireworks and Free-Hand software. Flash is used to create small fast loading animations (animated logos and long-form animations). Fireworks is a graphics program used to create and edit images. Dreamweaver is used to visually design Web pages. FreeHand is a vector illustration tool. This course will teach you how to use and integrate these tools to create rich and dynamic applications.

Level: 10,11,12      Semesters: 1      Credit: 1/2  
Course Fee Required

#### 303450 , 303451 COMPUTER PROGRAMMING 1

Working with computer logic is an important skill in today's world whether you are interested in accounting, business administration, marketing, economics, computer science or computer engineering. You will learn the BASIC programming language to solve various business application programs. Topics include: IF THEN ELSE, WHILE WEND, PRINT USING, DO WHILE, DO UNTIL, FOR NEXT, Graphics, Music, Random Numbers, Sub Programs, One-Dimensional Arrays, Sequential Search and Bubble Sort. Stress is placed on writing structured programs that are user friendly.

Level: 10,11,12      Semester: 1      Credit: 1/2  
Prerequisites: Keyboarding      Course Fee Required

#### 303453 COMPUTER PROGRAMMING 2

This course is for those who want to expand their knowledge of programming in BASIC. You will study string manipulation, multi-dimensional arrays, shell sort, binary search, graphical user interfaces and sequential files. Stress is placed on problem solving and writing structured programs.

Level: 10,11,12      Semesters: 1      Credit: 1/2  
Prerequisite: Computer Programming 1      Course Fee Required

#### 303455 VISUAL BASIC

Students are excited about writing in Visual BASIC because it allows for creativity and individualizing of programs. Business and industry have adopted VB as a popular, easy-to-use language. This class will teach the student to build applications in a graphical/Windows environment and save it as an executable program. Computer Programming I provides a student with a background in logic and control structures; now they will learn to design programs using text boxes, label controls, data controls and command buttons.

Level: 10,11,12      Semesters: 1      Credit: 1/2  
Prerequisite: Computer Programming 1      Course Fee Required



**303464 - 303465****A P COMPUTER PROGRAMING**

AP Computer Programming will cover advanced structured programming utilizing JAVA. Students will learn object based programming, arrays, matrices, sorting, structures and classes and methods. This course will require students to learn many new features of a programming language. Previous classes in computer programming will compliment the logic of this course. The material covered for this course will prepare students to take the College Board Advanced Placement Exam in computer science. This is an AP class; therefore this will be a weighted course.

**Level: 11,12****Semesters: 2****Credit: 1****(Weighted)****Prerequisite: Computer Programming 1 & 2 or****Computer Programming 1 with instructor approval.****Course Fee Required****303458 - 303459****LOCAL & WIDE AREA NETWORKING**

The LAN WAN/Network+ Certification course is designed to equip both novice and experienced students with entry-level computer networking proficiencies. The course is aligned with the industry standard CompTIA Network+ Certification to cover networking topics in a one semester course. Students will become adept with key computer networking hardware topics like topologies, cabling, NICs, hubs, switches, and routers. Additionally, students will orient themselves to networking software topics like the OSI model, protocols, TCP/IP, network operating systems, network security, and troubleshooting. The course includes lectures, demonstrations and videos on theories of operation including real-life projects for the student to explore. Significant lab time is provided to offer the student authentic hands-on experiences in working with computers and networks. The course follows an industry-recognized curriculum and is recommended for students who enjoy computers and/or students who might have a career interest in Information Technology leading to a professional certification. Further information about the CompTIA and the course objectives can be found at [www.comptia.org](http://www.comptia.org).

**Level: 11,12****Semesters: 2****Credit: 1****Prerequisite: None, however, a course in either electricity/electronics or the Computer Repair/A+ certification course would be beneficial.****Dual credit with the College of DuPage****Course Fee Required****303460 , 303461****WEB DESIGN**

This course is an introduction to Web Page Design. It includes problem solving with computers using the fundamental data structures with object-oriented programming (OOP). JavaScript removes the barriers of complexity in using Graphic User Interface (GUI). Other topics include exploring simple graphics and an introduction to programming of applets. The application of Web Site development for E-Commerce is also explored.

**Level: 10,11,12****Semesters: 1****Credit: 1/2****Prerequisite: Keyboarding proficiency.**

# COMMUNICATION ARTS

At grade 9, all students will register for Patterns of Communication unless they are placed in Enriched Patterns of Communication Arts or Patterns of Communication Skills. At grade 10, all students will register for one semester of a composition course (see options) and a semester of Speech Communication. Semester of enrollment is dependent upon alphabetical placement.

At grade 11, all students will register for two semesters of American Literature/Comp., Enriched American Literature/Composition, American Literature Skills, or American Studies. One semester of Enriched Print Communication may be substituted for one semester of this course if prerequisites are met.

At grade 12, it is strongly recommended that students elect an eighth semester of Communication Arts classes. Colleges require the 8th semester.

## COMMUNICATION ARTS REQUIRED COURSE OFFERINGS

Level	Subject	Open to Grades	Difficulty Level	Prerequisite
Skills	Patterns of Communication Skills	9	1	Placement
	Written Communication Skills	10	1	Placement
	AND			
	Speech Communication	9,10	2-5	None
Academic	American Lit Skills	11,12	1-3	Placement
	Patterns of Communication	9	2-5	
	Written Communication or Print Communication	10	2-5	Patterns, etc.
	AND			
Enriched	Speech Communication			
	American Literature/Comp	11	2-5	Written or Print Communication
	OR			
	American Studies	11	3-5	Written or Print Communication and Speech Communication
	Enriched Patterns of Comm.	9	5	Placement (weighted)
	Enriched Written Communication	10	5	Placement (weighted)
	AND			
	Speech Communication	9,10	2-5	None
	AP American Literature/Composition (2 semesters)	11	5	Placement (weighted)
	OR			
	Enriched Print Communication	11,12	4-5	Enr. Written Communication or Placement (weighted)
	AND			
	AP American Literature/Composition (1 semester)	11	5	Placement (weighted)

## COMMUNICATION ARTS ELECTIVE COURSE OFFERINGS: 10-12

### Group I - Advanced Studies: (Weighted Grades)

Essay Writing	12	4-5	American Lit/Comp
English Literature	12	4-5	American Lit/Comp
Humanities*	12	4-5	American Lit/Comp
Advanced Placement Literature/Composition	12	5	Placement

### Group II - Special Interest:

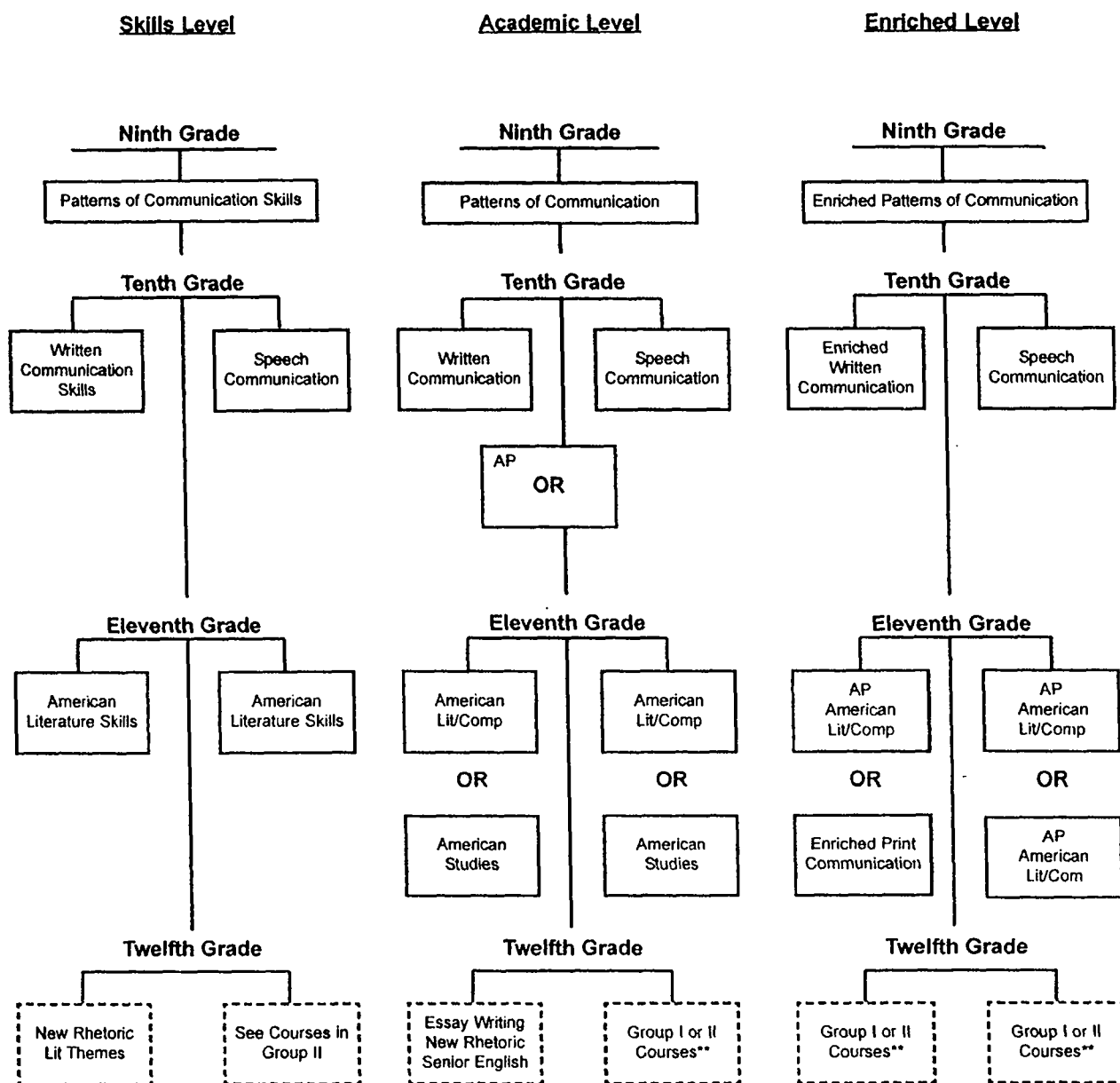
Senior English	12	3-4	American Lit./Comp
New Rhetoric	11,12	2-4	Amer. Lit/Comp. or Amer. Lit. Skills
Creative Writing*	11,12	3-5	Patterns of Communication
Creative Writing	10	3-5	Placement
Literary Themes	11,12	2-5	Amer. Lit/Comp. or Amer. :Lit. Skills
Traditions in Literature and the Arts*	12	1-4	Amer. Lit/Comp. or Amer. Lit. Skills
Advanced Speech	10,11,12	3-5	Speech Communication
Film Composition & Analysis*	11,12	2-5	None
Film Production	11,12	3-5	Film Composition & Analysis
Acting*	10,11,12	1-5	None
Play Production*	11,12	2-5	None
Yearbook Writing	9,10,11,12	4	None
Journalistic Writing-Broadcast	10,11,12	4-5	Enr. Print Comm. or Placement
Journalistic Writing-Print	10,11,12	4-5	Enr. Print Comm. or Placement

### ENGLISH LANGUAGE LEARNER PROGRAM:

Beginning ELL	9,10,11,12	Language Assessment
Intermediate ELL	9,10,11,12	
Advanced ELL	9,10,11,12	
ELL Composition/Literature	9,10,11,12	

\*NOTE: THESE CLASSES MAY BE USED TO SATISFY THE FINE ARTS CREDIT, HOWEVER IF AN ENGLISH CLASS IS TAKEN FOR FINE ARTS CREDIT, IT DOES NOT ALSO COUNT TOWARD THE 3.5 COMMUNICATION ARTS CREDITS REQUIRED FOR GRADUATION

## COMMUNICATION ARTS COURSE SEQUENCE



\* Courses in solid framed boxes are required; courses in dashed line boxes are electives; please see table on previous page for prerequisite information and a complete list of course offerings.

\*\*Courses from Group I are recommended for the college bound student.

## COMMUNICATION ARTS REQUIRED COURSES

### 304018 - 304019 PATTERNS OF COMMUNICATION SKILLS

Patterns of Communication Skills is a full year course for freshmen whose skills in reading and writing are not sufficient to enroll in Patterns of Communication. During the freshman year students will read and analyze literary genres: short stories, poetry, novels, and drama. Writing fundamentals will be reviewed and subsequent writing will be based upon the study of literary genres. Reading strategies, thinking skills, and study skills are taught as a basis for effective writing.

Level: 9                      Semesters: 2                      Credit: 1  
Prerequisite: Placement                      Course Fee Required

### 304020 - 304021 PATTERNS OF COMMUNICATION

Patterns of Communication, a year course, requires that students in the first semester engage in learning activities that lead to discovery of their abilities as a learner. In the second semester students continue with this process, but also integrate activities that lead to responsible learning and action. The broad objective of the course is to teach skills and habits that will enable students to become lifelong learners. Students focus on strategies that lead to effective reading, writing, speaking, and listening skills. In addition, students use viewing experiences to associate literature, film, and real life experiences. All the activities help students set clear purposes for the strategy that the student wishes to use in the learning environment. Emphasis in writing will be on three distinct strands: expressive, transactional, and literary.

Level: 9                      Semesters: 2                      Credit: 1  
Course Fee Required

### 304030 - 304031 ENRICHED PATTERNS OF COMMUNICATION

Enriched Patterns of Communication is a full year course for freshmen who have excellent skills in writing and literary analysis. Consequently, the level of writing and the level of literary analysis is more complex than other freshman Communication Arts classes. Expectations for student writing are high and require commitment and diligence. Students will read and analyze short stories, poetry, novels, drama, and non-fiction. Students will prepare a portfolio and complete semester projects. Reading strategies, thinking skills, and study skills are taught as a basis for effective writing. Viewing, speaking, and listening strategies will also be a focus. The skills required for the rigorous reading, speaking and writing expectations will require a student to be committed to the learning process, to be self-motivated, and to achieve at a degree of complexity consistent with the enriched level.

Level: 9                      Semesters: 2                      Credit: 1 (Weighted)  
Prerequisite: Placement                      Course Fee Required

### 304118 , 304119 WRITTEN COMMUNICATION SKILLS

A writing course designed for the student who has completed Patterns of Communication Skills. Any other student with reading and writing difficulties may be placed in the course upon the recommendation of the reading specialist. Students will become aware of themselves as writers who seek to communicate through expressive, transactional, and literary pieces for a variety of audiences. Assignments include writing several papers, reading a novel, and reading short pieces of literature. Reading strategies, thinking skills and study skills are taught as a basis for effective writing.

Level: 10                      Semesters: 1                      Credit: 1/2  
Prerequisite: Placement                      Course Fee Required  
Graduation requirement

### 304120 , 304121

### WRITTEN COMMUNICATION

Written Communication, a semester course, continues the reading, writing, speaking, listening, and viewing strategies begun in Patterns of Communication. Developing writing skills in tenth grade requires that student's construct meaning from literary works and from life experiences. Students will write frequently and will produce products for different purposes and structures. In addition, students should continue to become aware of themselves as writers who seek to communicate through expressive, transactional, and literary pieces for a variety of audiences. All sophomores, unless approved for Written Communication Skills, Print Communication, or Enriched Written Communication must take this course.

Level: 10                      Semesters: 1                      Credit: 1/2  
Prerequisite: Patterns of Communication or equivalent                      Course Fee Required

### 304127

### PRINT COMMUNICATION

Sophomores seeking to strengthen their writing skills in print journalism take this one semester course instead of Written Communication. The course includes interviewing, researching, and writing for the school newspaper, and applying effective speaking techniques learned in Speech Communication. Articles written are published in the school newspaper. Students who wish to be considered for an editorial position on the school newspaper must take this course. Students who wish to take this course must take Speech Communication first semester as Print Communication is ONLY offered second semester.

Level: 10                      Semesters: 1                      Credit: 1/2  
Prerequisite: Patterns of Communication, Enriched Patterns or Speech Communication                      Course Fee Required  
Graduation requirement

### 304130 , 304131 ENRICHED WRITTEN COMMUNICATION

Enriched Written Communication is a semester course for sophomores who have excellent skills in writing and literary analysis. The skills needed for the rigorous reading, writing, speaking, listening, and technology expectations will require a student to be committed to the learning process, to be self-motivated, and to achieve at a degree of complexity consistent with the enriched level.

Level: 10                      Semesters: 1                      Credit: 1/2 (Weighted)  
Prerequisite: Placement                      Course Fee Required  
Graduation requirement

### 304140 , 304141

### SPEECH COMMUNICATION

Emphasis is on the development of basic skills in effective speaking, critical thinking, reading strategies, researching and critical listening. Required of all 10th grade students. Open to 9th grade students as an elective; especially recommended to students interested in acting and forensics. Offered both semesters. Registration of students is alphabetical: A-L first semester, M-Z second semester.

Level: 9,10                      Semesters: 1                      Credit: 1/2  
Prerequisite: None  
Graduation requirement

### 304312 - 304313

### AMERICAN LITERATURE SKILLS

This is a two semester writing and literature course that is designed for the student who has completed Written Communication Skills. Any other student may be placed in the course upon the recommendation of the Reading Specialist or the classroom teacher. This course will focus on the development of reading, vocabulary, writing, speaking, and thinking skills needed to understand, discuss, analyze, and write about literature. This literature will examine the cultural heritage of the United States spanning from Native American writings to more modern writings. Assignments include the reading of short stories and novels along with the writing of several major papers and speaking assignments.

Level: 11,12                      Semesters: 2                      Credit: 1  
Prerequisite: Placement                      Course Fee Required  
Graduation requirement

**304480 - 304481****AMERICAN STUDIES**

*What does it mean to be an American?* This is a two-semester, interdisciplinary, team-taught course that traces the development of major American literary movements and places them within the context of United States history. The course is organized around themes and essential questions, allowing students to gain a deeper understanding of important literary and historical issues. Students will examine the changing role of the individual while tracing the development of American ideals and institutions. Individual and team assignments will challenge students to address the course question. Strong reading and writing skills are needed. The class will be taught in a two-hour block and meets the requirements for American Literature (Communication Arts) and United States History (Social Sciences). Students will earn one grade for the class; however, it will count as two credits.

Level: 11 Semesters: 2 Credit: 2  
Prerequisite: Written or Print Communication and Speech Communication Course Fee Required

**304316 - 304317 AMERICAN LITERATURE/COMPOSITION**

This is a two-semester course required for juniors, which emphasizes a study of United States literature. The course focuses on examining how language helps us clarify our experience as members of the United States community and how language helps us contribute responsibly to our multi-faceted society. Students will examine literature related to the following concepts: Origins and First Encounters; Creating Community; Developing an Individual Identity; The American Dream, and America's Growing Pains. The junior year continues the expressive, literary, and transactional writing strands used during the ninth and tenth grade years.

Level: 11 Semesters: 2 Credit: 1  
Prerequisite: Written or Print Communication Course Fee Required  
Graduation requirement

**304318 - 304319****ADVANCED PLACEMENT AMERICAN LIT/COMP.**

This is a two-semester course for juniors who have excellent skills in writing, reading and analysis, and strong enthusiasm for the communication arts. This course will emphasize all areas of communication, including literary readings, both formal and informal types of writings, and oral work. The course examines the cultural heritage of the United States and the manner in which that heritage continues to be reflected in contemporary American life, literature and values. Units of study for First Semester: Origins and First Encounters, Creating Community, and Developing an Individual Identity. Units of study for Second Semester: The American Dream, Illusions/Reality, and America's Growing Pains. Some attention will be given to tasks and techniques related to the Advanced Placement Language and Composition exam.

Level: 11 Semesters: 2 Credit: 1 (Weighted)  
Prerequisite: Success in the sophomore level enriched program, Outstanding success in the sophomore academic program Course Fee Required

**304332****ENRICHED PRINT COMMUNICATION**

This course is designed for enriched juniors/seniors who seek to challenge their intellectual abilities in the field of media communication. Though the course parallels the objectives of American Literature/Composition course offered during the junior year, it provides an alternative for those who wish to further their knowledge and expertise in the area of print and broadcast journalism. Students will not only write for publication but will also write and produce for cable television. The skills required for the rigorous reading and writing expectations will require a student to be committed to the learning process, to be self-motivated, and to achieve at a degree of complexity consistent with the enriched level.

Level: 11, 12 Semesters: 1 Credit: 1/2 (Weighted)  
Prerequisite: Placement or Enriched Written Communication Course Fee Required

**ELECTIVE PROGRAM 9-12: GROUP I - ADVANCED STUDIES****304334 , 304335****ESSAY WRITING**

Essay Writing is an honors course designed for highly motivated, college bound students who desire to improve their writing in a college oriented course. Emphasis will be on the essay developed from the main point to conclusion by means of logical step reasoning. Writing clarity, style, voice, and a functional vocabulary will be additional objectives. Students will be expected to write frequently and to revise papers in order to build toward a competency that will enable them to compete successfully in college writing courses. Students who have completed American Literature/Composition but still have writing deficiencies should complete New Rhetoric prior to taking Essay Writing. First Quarter is Pass/Fail.

Level: 12 Semesters: 1 Credit: 1/2 (Weighted)  
Prerequisite: American Literature/Composition

**304432 , 304433****ENGLISH LITERATURE**

A study of representative English authors designed to develop the student's ability to understand and appreciate the major literary works of the following periods: the Anglo-Saxon Age, Medieval England, The Elizabethan Age, the 17th Century, the Romantic Revolt, the Victorian Age, and 20th Century British Literature. To offer the student a historical as well as a literary perspective, the course follows both a chronological and thematic approach.

Level: 12 Semesters: 1 Credit: 1/2 (Weighted)  
Prerequisite: American Literature/Composition Course Fee Required

**304459****HUMANITIES**

Humanities is a weighted course recommended for independent workers which includes a chronological survey of major written works of written Western civilization, both literary and philosophical. The analysis of these writings is supplemented with the study of painting, sculpture, architecture and music. Written essays, themes, and research projects allow students to understand the interrelationships of these complementary art forms as a means to evaluate contemporary culture.

Level: 12 Semesters: 1 Credit: 1/2 (Weighted)  
Prerequisite: American Literature/Composition  
May also meet Fine Arts credit

**304460 - 304461****ADVANCED PLACEMENT LIT./COMP.**

This is a two-semester course for juniors who have excellent skills in writing, reading and analysis, and strong enthusiasm for the communication arts. This course will emphasize all areas of communication, including literary readings, both formal and informal types of writings, and oral work. The course examines the cultural heritage of the United States and the manner in which that heritage continues to be reflected in contemporary American life, literature and values. Units of study for First Semester: Origins and First Encounters; Creating Community, and Developing an Individual Identity. Units of study for Second Semester: The American Dream: Illusions/Reality, and America's Growing Pains. Some attention will be given to tasks and techniques related to the Advanced Placement Language and Composition exam.

Level: 12 Semesters: 2 Credit: 1 (Weighted)  
Prerequisite: Success in the junior level enriched program. Outstanding success in the junior academic program Course Fee Required

## GROUP II - SPECIAL INTERESTS

### 304434 - 304435

### SENIOR ENGLISH

Senior English is a course that is framed around the study of four traditions in literature and the arts. Two traditions will be studied per semester. The first semester: The Epic Tradition and The Tragic Tradition. The second semester: The Comic Tradition and the Lyric Tradition. Each unit will include reading both classic and contemporary literature, informal and/or formal writing, film study, and study of other art forms. The course may be taken for just one semester, but it is recommend that students choose to take it both semesters.

Level: 12                      Semesters: 2                      Credit: 1  
Prerequisite: American Literature & Composition      Course Fee Required

### 304324 , 304325

### NEW RHETORIC

The purpose of New Rhetoric is to assist students in improving their writing skills. The majority of class time will be spent in a writer's lab which means that students work independently and in cooperative groups completing pre-writing activities and composing essays. Students will; complete several grammar units and prewriting activities, complete Writer's Workbench steps and analysis, compose and revise four essays, and compile a Writer's Common Place Book. The completion and oral presentation of Common Place Books will be required. Students will also give evidence of writing achievements in a Final Exam written reflection and oral presentation.

Level: 11,12                      Semesters: 1                      Credit: 1/2  
Prerequisite: American Literature/Composition or Composition Skills  
Course Fee Required

### 304340 , 304341

### CREATIVE WRITING

Creative Writing is an advanced composition course for students who have no major mechanical or organizational problems, and who have the fluency, talent, and desire to improve their writing techniques in the expressive (creative) mode. Much of the class is conducted in the form of a writer's laboratory with students pursuing fiction and non-fiction writing projects designed for them by the teacher. Emphasis will be placed on the analysis and application of basic stylistic techniques involving the writer's creation of point of view. The class requires regular sharing of work and frequent revision. Opportunities are given for participation in state and national writing contests as well as for publication of the best work in *Chrysalis*, the writing magazine produced by the *Chrysalis* Writing Editorial Board.

Level: 10\*,11,12                      Semesters: 1                      Credit: 1/2  
Prerequisite: Patterns of Communication      Course Fee Required  
May also meet Fine Arts credit  
\*Level 10 by permission of the instructor

### 304452 , 304453

### LITERARY THEMES

The purpose of this course is to encourage students to read extensively in an approved area. Reading will be evaluated on a weekly basis and written reading logs will be required. Four major assessments will be completed; including an Analytical Essay, a Creative Product, a formal oral presentation and a group Webboard discussion. Students will provide their own reading material, with teacher approval required. This course requires a commitment to reading literature, a knowledge of the forms of literature, organizational skills and the ability to work both independently and in cooperative groups.

Level: 11,12                      Semesters: 1                      Credit: 1/2  
Prerequisite: American Literature/Composition or Composition Skills

### 304521

### ADVANCED SPEECH

This course is designed for the advanced level student who is interested in various areas of public address, group process and creative speech performance. The course content includes: 1) methods of research; 2) styles of organization; 3) speech writing-theories of persuasion and logic; 4) performance techniques. The class will provide opportunities for students to practice both writing and speaking skills in various types of public performance.

Level: 10,11,12                      Semesters: 1                      Credit: 1/2  
Prerequisite: Speech Communication

### 304558 , 304559

### FILM COMPOSITION AND ANALYSIS

The purpose of this course is twofold: One objective is to provide students with the foundations of film analysis. Students will study the language and techniques of film as well as various genres and directors as a means to understand and appreciate film. The second objective is that students will actively apply these concepts and techniques to their own film products. In addition, they will write film reviews, personal reactions, and generalization essays.

Level: 11, 12                      Semesters: 1                      Credit: 1/2  
Prerequisite: None      Course Fee Required  
May also meet Fine Arts credit

### 304561

### FILM PRODUCTION

This course is for those students possibly interested in the study of film production in college. It will provide students with greater opportunities to apply knowledge of film techniques garnered in the Film Composition course to the process of film production. There will be more in depth of experience in pre-production, production and post-production aspects of film making. The greatest emphasis will be on the visual and audio aspects of film projects produced in class, both individually and in groups. The course is open to those who have earned a "C" or higher in Film Composition.

Credit 1/2                      Level 11,12                      Semesters: 1  
Prerequisite: Film Composition  
Course Fee Required: Pending Board Approval

### 304500

### ACTING

This course is a workshop of the basic principles and techniques of acting for the stage. Students will be required to MEMORIZE scenes and monologues, create characterizations, and incorporate movement into performances. Writing assignments include play review and analysis. This course may fulfill the Fine Arts requirement.

Level: 10, 11, 12                      Semesters: 1                      Credit: 1/2  
Prerequisite: None

### 304503

### ADVANCED ACTING

A more intense version of Acting. Emphasis includes longer scenes, classical pieces, body movement, period styles and improvisation, with a goal toward public performance. Strongly recommended for those wanting to major in theatre in college. This course only open to those who have completed Acting.

Level: 10, 11, 12                      Semesters: 1                      Credit: 1/2  
Prerequisite: Acting

### 304511

### PLAY PRODUCTION

Students will take on the role of producer and director as they prepare a play for production. Course content includes character and play analysis, set design, set construction, marketing, and sound and lights. The role of the director will be emphasized. Writing assignments include theatrical research and analysis. This course may fulfill the Fine Arts requirement.

Level: 10, 11, 12                      Semesters: 1                      Credit: 1/2  
Prerequisite: None

**304606 , 304607 LITERACY CENTER COMPUTER TUTOR**

Tutoring is an option available under the Teacher Assistant Program. Students must demonstrate competency in a variety of software programs and successfully complete and interview prior to approval. Once accepted into the program, students will be expected to complete a training program, tutor students, conduct workshops, assist teachers in the computer classroom, and assist the Literacy Center staff. Offered on a pass/fail basis only.

Level: 9,10,11,12 Semesters: 1 or 2 Credit: 1/4

**304352 - 304353 YEARBOOK WRITING**

Yearbook Writing is designed for students who are, or would like to be, staff members and editors of the school yearbook. Activities will result in reporting, writing, and taking photographs. Additionally, the professional elements of design and page layout will be studied and applied to the yearbook through the software InDesign and Photoshop. During class periods, students will learn about yearbook production and create the school's yearbook. This course may be repeated for credit with the approval of the advisor and instructional coordinator.

Level: 9,10,11,12 Semesters: 2 Credit: 1  
Prerequisite: None Course Fee Required  
Credit may be taken in Communication Arts Business Technology or split between both

**304358 - 304359 JOURNALISTIC WRITING-PRINT**

Students will report, write, copy read and edit, prepare copy for the newspaper publication. Students who want to be considered for the main editors of the *North Star*-news, features, sports, arts and entertainment, photography, business, advertising, and editor-in-chief- MUST enroll in this class. Applications for editorships are distributed in late April. This course may be taken for just one semester, but it is recommend that students choose to take it both semesters.

Level: 10,11,12 Semesters: 2 Credit: 1  
Prerequisite: Enriched Print Communication and/or consent of Instructor.  
Course Fee Required

**304620 , 304621****COMMUNICATION ARTS  
INDEPENDENT STUDY**

Students should contact a teacher in the subject area of interest or the Instructional Coordinator for further information. Contract must be worked out with sponsoring teacher prior to the beginning of each semester.

Level: 11,12 Semesters: 1 or 2 Credit: 1/2 or 1

**304604 , 304605****LITERACY CENTER TUTOR**

Tutoring is an option available under the Teacher Assistant Program. Students must have earned an A in American Literature/Composition or in American Studies, B in Enriched Print Communication, B in Enriched American Literature, or an A in Enriched Written Communication. Students must apply through the Literacy Center and must also successfully complete an interview prior to approval. Once accepted into the program, students will be expected to complete a training program, tutor students, conduct workshops, assist teachers in classroom activities, and assist the Literacy Center staff. Offered on a pass/fail basis only.

Level: 10,11,12 Semesters: 1 or 2 Credit: 1/4

**ENGLISH LANGUAGE LEARNER PROGRAM****306200 - 306201 BEGINNING ELL**

This two-semester course is for students who have little or no English skills. Fundamental speaking, reading, and writing skills are taught.

Level: 9,10,11,12 Semesters: 2 Credit: 1  
Prerequisite: Beginning level as measured by the language assessment system for language minority students.

**306210 - 306211 INTERMEDIATE ELL**

This two-semester course is for students who score at an intermediate level on the informal and formal measures of English language proficiency. The emphasis of the course is to provide continued practice and refinement of both oral and literacy skills for functional purposes. Vocabulary is learned to aid the student in reading comprehension of content subjects and to develop cognitive academic language proficiency.

Level: 9,10,11,12 Semesters: 2 Credit: 1  
Prerequisite: Beginning ELL or meeting assessment criteria for entry into Intermediate ELL.

**306220 - 306221 ADVANCED ELL**

This two semester course teaches students higher-level thinking skills in reading, writing and speaking. Research techniques, procedures for debate, and preparation for ACT vocabulary are also taught.

Level: 9,10,11,12 Semesters: 2 Credit: 1  
Prerequisite: Intermediate ELL or meeting assessment criteria for entry into Advanced ELL.

**306320 - 306321 ELL COMPOSITION/LITERATURE**

This two semester course teaches the forms of the short story, the novel and poetry as they examine culture-conflict themes. Essay writing about literature and narrative and other standard forms of writing are taught in preparation for entering Communication Arts classes.

Level: 9,10,11,12 Semesters: 2 Credit: 1  
Prerequisite: Placement

**306100-306101 ELL TUTORING**

This is a non-credit study class offered to any limited English proficient student enrolled in ELL classes. The class offers the acquisition of study skills to the student who is experiencing difficulty in content area subjects due to the high frequency of unfamiliar vocabulary. The student will learn strategies to improve both language and content areas. The tutorial teacher coordinates with the students' non-ELL curriculum teachers to follow the students' progress.

Level: 9,10,11,12 Semesters: 2 Credit: 0  
Prerequisite: ELL students experiencing difficulty in content area subjects

# INTERNSHIP

Internship is a series of courses designed to allow students to receive credit for on-the-job training in an area in which they have expressed a possible career interest. Students are in class one period per day with a teacher/coordinator and work at an approved training station a minimum of 15 hours per week. Jobs typically are entry-level positions, which allow students to evaluate the career areas before entering post high school education or training programs. Credit is assigned for both the class and the job there is 1/2 credit per semester for each segment. As part of the cooperative education program, students have the opportunity to actively participate in youth leadership activities through local and state organizations.

District #203 offers ten internship programs, which relate to a variety of career options. Students who are interested in being considered for one of the programs must fill out an "Application to Interview" form which is available from the guidance staff, Applied Science staff members, or the Instructional Coordinators office. Students are placed in programs based on the following criteria: expressed career interest, coursework completed at the high school level that qualifies the student for employment in the field, recommendations by North High School Staff members, and the coordinators evaluation of the employability of the student. All internship programs, except Cosmetology, require that the student must be age 16 by the first day of the semester in which they are enrolled.

If interested in this program, students should return the "Application to Interview" form to either the guidance office or the Instructional Coordinator's office at the time of class registration. Students who are approved for the program will be allowed to change their schedules upon acceptance to the program.

## INTERNSHIP COURSES

### 303392 - 303393

#### BUSINESS INTERNSHIP (BCE)

Business Internship is designed for students with a career interest that would typically take place in an office environment. Students receive credit for the related class and credit for their job experience. Students gain firsthand knowledge through on-the-job training at a local business. The teacher assists the student in locating an appropriate placement. Typical placements include accounting, desktop publishing, computer programming, administrative assistant, law, graphic design and computer networking. In the related class, students study job related topics, develop job search skills, explore careers, develop leadership skills, and work on interpersonal relations. As part of the class, students participate in Business Professionals of America. This organization provides the students the opportunity to develop leadership skills, attend conferences and participate in competitive events.

Level: 11, 12

Semesters: 2

Credit: 2

Prerequisite: Based on student's career objective.

Student may enter Business Internship second semester.

### 303442 - 303443

#### MARKETING INTERNSHIP (ME)

Marketing Internship is designed for students with a career interest in sales, marketing, advertising or entrepreneurship. Students receive credit for the related class and credit for their job experience. Students gain firsthand knowledge through on-the-job training at a local business. The teacher assists the student in locating an appropriate placement. In the related class, students study job related topics, develop job search skills, explore careers, develop leadership skills, work on interpersonal relations. As part of the class, students participate in Business Professionals of America. This organization provides the student the opportunity to develop leadership skills, attend conferences and participate in competitive events.

Level: 11,12

Semesters: 2

Credit: 2

Prerequisite: Based on student's career objective.

Student may enter Marketing Internship second semester.

### 309590 - 309591 HEALTH & HUMAN SERVICES INTERNSHIP

This course is a three-phase program that allows the student to investigate careers first hand. Students are part of a class that will help prepare them for entering and successful participation in the world of work. The leadership activities available through their membership in FCCLA will add to their understanding of work experience in one of the many fields of Family & Consumer Science or Health. Typical job placements are in hospitals, nursing homes, medical office, sales, pharmacies, dietary aides, clothing stores, child care facilities, dry cleaners, fabric stores, grocery stores, lighting and furniture stores, food establishments and hair salons.

Level: 11,12

Semester: 2

Credit: 2

Prerequisite: Approval of instructor only through application.

### 310790 - 310791

#### HIGH TECHNOLOGY INTERNSHIP

This unique course is primarily intended for students with strong math/science backgrounds who also have career interests in the fields of engineering, scientific research, and state-of-the-art manufacturing concepts including robotics and automated systems. On-the-job training (and related classroom instruction) will provide the student with a unique opportunity to explore and apply his/her education in a real world setting and a challenge rarely offered at the high school level. Typical placements (employment) will be with high technology firms located along the I-88 research corridor who primarily are involved in research and development projects related to chemistry, physics, computer integrated manufacturing (CIM), computer-aided design (CAD), and electronics. The intention of the course is to provide the student with exposure to the world he/she is hoping to enter after college or advanced training after high school. One credit will be issued for the successful completion of the related class material and one credit will be given for completing the on-the-job phase of the program. Leadership activities and competitive events will be offered through participation in student youth organizations.

Level: 11,12

Semesters: 2

Credit: 2

Prerequisite: Strong math/science background with above average academic standing. Approval of the teacher/coordinator.

### 310792 - 310793

#### INDUSTRIAL TECHNOLOGY INTERNSHIP

This course is for students who have reached some decisions regarding their occupational future and who have some degree of appropriate in-school preparation. Students should possess some basic job skills in a field that they can gain on-the-job experience. Typical placements include Auto mechanics, Autobody, Construction trades, Computer Repair and Assembly, Drafting, Electronics, Maintenance, and Photography. Classroom instruction focuses around skills required in finding and keeping a job as well as researching career areas. Each student will develop their own individual portfolio that will help them show employers/college their own unique skills. Students are encouraged to participate in competitive events at State and National Contests for scholarships at the Skills ISA-VICA Olympics. Club activities will also be an integral part of the course and students will participate in a community service project in class.

Level: 11,12

Semester: 2

Credit: 2

(1 credit for class and 1 for 540 hours of work experience)

Prerequisite: None

### 309592 - 309593

#### COSMETOLOGY

The Cosmetology program is a two-year program (junior/senior year) that meets Illinois. Students are transported by bus Monday through Friday, with classes meeting from 12:00 - 4:40pm. (Students take classes periods one through three at the home high school.) The student is responsible for the enrollment fee, basic class kit, consumable supplies and uniform. District 203 pays the student's tuition and bus transportation. TCD, as per the State of Illinois guidelines, determines the curriculum for this course. Before registration through the Guidance Dept., an application for this program must be obtained through the Applied Science & Technology Dept., returned to the cosmetology coordinator in Rm. 125, and admission to the program verified.

Level 11, 12

Semester: 2

Credit: 3

Prerequisite: Teacher approval



**310794 - 310795****COOPERATIVE WORK TRAINING I**

Cooperative Work Training is a career exploration program for students who have had little academic training for an occupation but hope to gain valuable work finding and keeping a job as well as researching career areas. Each student will develop their own individual portfolio that will help them show employers/colleges their own unique skills. Guest speakers help answer questions about future employment trends, labor laws and employer/labor relations. Club activities will be an integral part of the course and students will participate in a community service project in class.

**Level: 11,12****Semester: 2****Credit 2****Prerequisites: Approval of teacher/coordinator****310796 - 310797****COOPERATIVE WORK TRAINING II**

This course is for the second year students enrolled in CWT. This is a continuation and elaboration of the concepts and topics introduced in CWT I, centering on job-related information, employer-employee relations and personal development.

**Level: 11,12****Semesters: 2****Credit: 2****Prerequisite: Approval or teacher/coordinator.****310822 - 310823****SUMMER INTERNSHIP**

Cooperative work experience, combined with related in-class academic experience, is available to career oriented students during the summer term. Maximum effort is made to individually schedule students in the program in a manner which will allow full day, on-the-job work experience. On job work experience. Students must attend classroom sessions based on program policies. Successful completion of the course requires:

a.) minimum of 240 hours of on job work experience. b.) passing grade for on job work experience. c.) passing grade in classroom experience.

Employers must certify to the required hours of work experience and complete a required evaluation form.

**Level: Age 16 (June 1) or Junior standing. Summer Only****Credit: 1****Prerequisite: Teacher approval confirmed employment prior to first day of class. Tuition paid prior to first day of class****310190 - 310191****AGRISCIENCE INTERNSHIP**

Internship is designed for students with a career interest in ag business or agriscience. Students receive credit for the related class and credit for their job experience. Students gain firsthand knowledge through on-the-job training at a local business. The teacher assists the student in locating an appropriate placement. In the related class, students study job related topics, develop job search skills. Explore careers, develop leadership skills, and work on interpersonal relationships

**Level: 11, 12****Semesters: 2****Credit: 2****Prerequisites: Instructor approval**

# FOREIGN LANGUAGE

Students may study a foreign language for a number of purposes: 1) to attain facility in the use of another language; 2) to develop better understanding of the structure of language, both native and foreign; 3) to understand and appreciate a different culture, including its customs, art, literature, music, and history; 4) to satisfy college entrance or graduation requirements in foreign language; 5) to increase one's career potential in the growing number of fields that recognize the value of foreign language skills; and 6) to better enjoy the benefits of travel, student exchange, and international contacts.

The four skills of listening, speaking, reading, and writing are an essential part of each level of modern foreign language instruction. The focus in the first and second years is chiefly on the basics of the language. In the third and fourth years emphasis is placed on the application and development of communication and reading skills. Four years of study are necessary as a minimum for mastery and fluency. Advanced language students often receive credit or advanced standing at colleges and universities. Honor credit (weighted grades) is given for level IV and V.

Good English skills and regular study habits are an important guide to success in foreign language studies. Although a student may begin a foreign language in high school at any grade level, the department recommends that students begin their studies during their freshman year in order to benefit most from language instruction. Success in a foreign language depends on daily use and study. Daily homework should be expected in all language classes.

Foreign language study is a step-by-step progression and students need essential skills before proceeding to the next level. Levels I, II, III, and IV and V must be pursued in that order. A student with a failing grade cannot proceed to the next semester without first retaking and passing the course he/she failed. Students should have a "C" or better to progress to the next level, e.g., Spanish I to Spanish II. Students with a "D" are strongly recommended not to go on to the next level unless they have their teacher's recommendation and department coordinator's approval. A student with two years of junior high school study in a foreign language can be placed in Level II. Students will be evaluated by his/her teacher during the first two weeks of the semester, and may be moved to the next lower level, if necessary.

All Foreign Language courses are not reversible, which means if a student fails a semester, he or she cannot take the next semester.

## FOREIGN LANGUAGE COURSE OFFERINGS

Subject	Open To Grades	Prerequisite
Level I (French, German, Latin, Spanish)	9,10,11,12	None
Level II (French, German, Latin, Spanish)	9,10,11,12	Level I or Placement
Level III (French, German, Spanish)	10,11,12	Level II
Level IV (French, German, Spanish) (Weighted)	11,12	Level III
Level V (French, German, Spanish) (Weighted)	11,12	Level IV
Latin Honors (Weighted)	10,11,12	Latin II

## FOREIGN LANGUAGE COURSES

### 307100 - 307101

#### FRENCH I

In French, students begin to develop language skills for a French-speaking environment through frequent conversational activities. These include ordering in a restaurant, greeting friends, shopping for clothes, and talking about one's family, hometown, and daily activities. Students practice listening comprehension, speaking, reading, and writing skills. Videos and CDs supplement the basic text and workbook.

Level: 9,10,11,12

Semesters: 2

Credit: 1  
Course Fee Required

### 307110 - 307111

#### FRENCH II

Level II continues to build cultural knowledge and skills in listening comprehension, speaking, reading, and writing on topics of daily life in France. Topics include leisure time activities, entertainment, sports, health, food, the house, and one's daily routine. Videos and CDs supplement the basic text and workbook.

Level: 9,10,11,12

Semesters: 2

Credit: 1  
Prerequisite: French I with a C or better or teacher and department coordinator approval.  
Course Fee Required

### 307120 - 307121

#### FRENCH III

Level III continues to build communication skills. Students learn to express their feelings on a variety of subjects. Topics include fashion, travel, vacation, shopping, and driving a car. Students are introduced to short readings, mystery stories, and French film.

Level: 10,11,12

Semesters: 2

Credit 1  
Prerequisite: French II with a C or better or teacher and department coordinator approval.

### 307130 - 307131

#### FRENCH IV

Fourth year French students are encouraged to speak only French in the classroom. Emphasis is on the improvement of speaking, reading and writing skills. Students continue to develop their knowledge of vocabulary and grammatical structures. Compositions and discussions are based on contemporary readings and classical literature.

Level: 11,12

Semesters: 2

Credit: 1 (Weighted)  
Prerequisite: French III with a C or better or teacher and department coordinator approval.  
Course Fee Required

### 307140 - 307141

#### FRENCH V

This is an advanced course conducted in French, designed to develop fluency of communication with increased linguistic accuracy. Students will develop greater proficiency in the four language skills (listening, speaking, reading, and writing) while deepening insight into francophone culture. The curriculum will include a continued study of French history and culture, literary selections, cinema and other mass media. Students will have the opportunity to attain a level of proficiency which will prepare them to take the Advanced Placement Language examination and/or other college placement exams.

Level: 11,12

Semesters: 2

Credit: 1 (Weighted)  
Prerequisite: French IV with a B or better or teacher and department coordinator approval.  
Course Fee Required

**307200 - 307201**

**GERMAN I**  
German I is a highly interactive class which emphasizes the development of communication skills in the areas of listening, speaking, reading and writing. Teachers use cooperative learning and other strategies to create a learner-centered classroom in which all students are actively involved in class and using German. Students also develop an understanding and appreciation of the customs and culture of Germany. The textbook, Komm Mit, includes a workbook, tapes, video, and other supplementary materials.

Level: 9,10,11,12

Semesters: 2

Credit: 1  
Course Fee Required**307210 - 307211**

**GERMAN II**  
The second level of the Komm Mit textbook is used, and the emphasis continues to be on developing proficiency in listening comprehension, speaking, reading and writing. German is used primarily in the classroom. Cooperative learning and other learner-centered activities allow the active participation of all students in class, and allow all students to be actively engaged in using the target language. Students in German 2 also learn a great deal about German geography and culture.

Level: 9,10,11,12

Semesters: 2

Credit: 1

Prerequisite: German I with a C or better or teacher and department coordinator approval.

**307220 - 307221**

**GERMAN III**  
Cooperative learning groups and learner-centered strategies continue to enable active participation of all students. In German III students deepen their knowledge of German grammar, and develop and expand their writing skills with longer essays and stories. Ease of reading is developed more fully through supplementary short stories and fairy tales. A radio mystery play and a soap opera are also part of the classroom instruction.

Level: 10,11,12

Semesters: 2

Credit: 1

Prerequisite: German II with a C or better or teacher and department coordinator approval.

Course Fee Required

**307230 - 307231**

**GERMAN IV**  
Students in German IV continue to be actively engaged in class through their participation in cooperative learning groups and other strategies which make students active participants in class. German is used exclusively in the classroom. Writing skills are further developed, and students write several essays and creative writing assignments. Several short stories are read, as well as two short German novels. In the second semester students read a short German novel. There is a study of German history, culminating in a unit on the Holocaust, which includes literature from this period. By the end of fourth year German, students have a comprehensive knowledge of German grammar, and are able to speak comfortably in German with a high level of proficiency.

Level: 11,12

Semesters: 2

Credit: 1(Weighted)

Prerequisite: German III with a C or better or teacher and department coordinator approval.

**307250 - 307251**

**GERMAN V**  
This is an advanced course conducted in German, designed to develop fluency of communication with increased linguistic accuracy. Students will develop greater proficiency in the four language skills (listening, speaking, reading, and writing) while deepening insight into German culture. The curriculum will include a continued study of German history and culture, literary selections, cinema and other mass media. Students will have the opportunity to attain a level of proficiency which will prepare them to take the Advanced Placement Language examination and/or other college placement exams.

Level: 11,12

Semesters: 2

Credit: 1(Weighted)

Prerequisite: German IV with a C or better or teacher and department coordinator approval.

**307300 - 307301**

**SPANISH I**  
The objectives of this course are to develop communication skills in the areas of listening, speaking, reading and writing in everyday situations, and to develop an understanding and appreciation of the customs and cultures of Spanish speaking people. An integral part of the course is class participation which includes pair and group work. Vocabulary and grammar are systematically re-entered throughout the program to strengthen student learning. Tapes, films, computer software and other activities are part of the textbook program.

Level: 9,10,11,12

Semesters: 2

Credit: 1  
Course Fee Required**307310 - 307311**

**SPANISH II**  
In this intermediate language course, students continue the skill development and the understanding of culture as defined in the Spanish I objectives. Vocabulary is expanded and used in situational contexts while emphasis is increased on reading and writing skills. Increased usage of Spanish as the language of conversation in the classroom is an integral part of student participation. Tapes, computer software and other activities continue to be part of the program.

Level: 9,10,11,12

Semesters: 2

Credit: 1

Prerequisite: Spanish I with a C or better or teacher and department coordinator approval.

Course Fee Required

**307320 - 307321**

**SPANISH III**  
This class and levels beyond represent the stages in which students can most benefit from language study. Students will be expected to communicate more regularly in Spanish. Sophisticated grammatical concepts will be learned, along with a thorough review of previously studied topics. Readings will include short stories and other selections. Cultural topics include Latin American legends, Mexican artists, Argentina and Venezuela.

Level: 10,11,12

Semesters: 2

Credit: 1

Prerequisite: Spanish II with a C or better or teacher and department coordinator approval.

Course Fee Required

**307330 - 307331**

**SPANISH IV**  
Spanish IV combines the reading short stories by authors from throughout the Spanish speaking world with the extensive review and study of grammar. Films, periodicals and recorded materials will be used to improve students' conversational, composition, reading and listening skills.

Level: 11,12

Semesters: 2

Credit: 1 (Weighted)

Prerequisite: Spanish III with a C or better or teacher and department coordinator approval.

Course Fee Required

**307334 - 307335**

**SPANISH V**  
This is an advanced course conducted in Spanish, designed to develop fluency of communication with increased linguistic accuracy. Students will develop greater proficiency in the four language skills (listening, speaking, reading, and writing) while deepening insight into Hispanic culture. The curriculum will include a continued study of Hispanic history and culture, literary selections, cinema and other mass media. Students will have the opportunity to attain a level of proficiency which will prepare them to take the Advanced Placement Language examination and/or other college placement exams.

Level: 11,12

Semesters: 2

Credit: 1(Weighted)

Prerequisite: Spanish IV with a B or better or teacher and department coordinator approval.

Course Fee Required

**307500 - 307501**

**LATIN I**  
This basic course presents the fundamentals of the language and a practical application of Latin to English through vocabulary building and word derivation. It also introduces the student to stories and readings in Latin dealing with mythology, Roman life and customs, heroes and statesmen.

Level: 9,10,11,12

Semesters: 2

Credit: 1  
Course Fee Required

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**307510 - 307511****LATIN II**

In the first semester, the basic grammar of first year is reviewed and new grammar is added. Emphasis is on beginning to read Latin stories of history and mythology. In the second semester, the basic reading material is taken from Caesar's Gallic Wars.

**Level: 10,11,12****Semesters: 2****Credit: 1****Prerequisite: Latin I with a C or better or teacher and department coordinator approval.****Course Fee Required****307520 - 307521****LATIN HONORS**

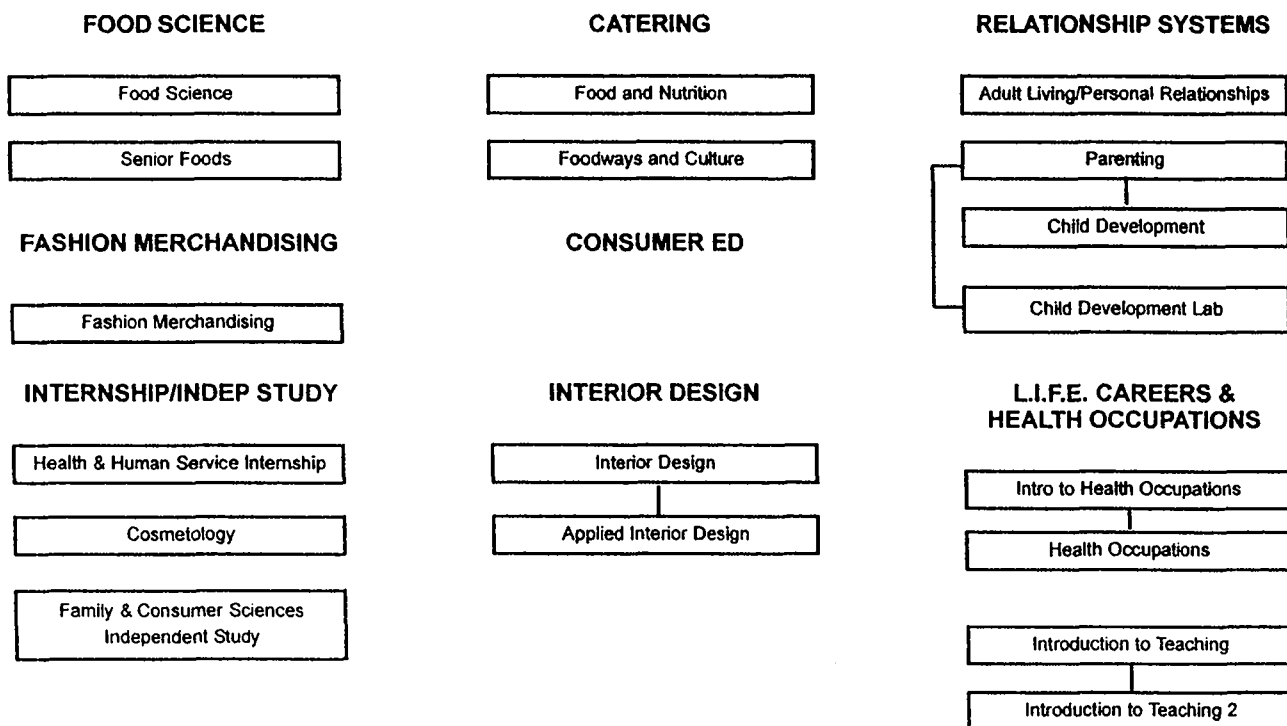
The student's ability to read and translate Latin is expanded to include the major authors, Cicero and Virgil in alternating years. In the Cicero year the major emphasis is on reading prose with the inclusion of authors, such as Sallust, Pliny, and later (medieval) Latin. In the Virgil year the concentration is on poetry with inclusion of authors, such as Horace, Ovid and Catullus. This course may be repeated once.

**Level: 10,11,12****Semesters: 2****Credit: 1(Weighted)****Prerequisite: Latin II with a C or better or teacher and department coordinator approval.****Course Fee Required**

# FAMILY & CONSUMER SCIENCES

Family & Consumer Sciences helps individuals understand many aspects of the relationships between human beings and their environment. Students may explore many areas in this department for personal use or career direction. Emphasis in all courses relate basic skills learned in Math, Science and Communication Arts to daily living. Study is accomplished through the application of theories and research to practical individual and group tasks. Students may explore or concentrate in areas of study in child development, health careers, interior design, personal relationships, foods/catering, and clothing technology. Health and Human Service Internship programs are available to junior and senior students who are interested in any of the areas listed above. **ALL OF THE COURSES IN THIS DEPARTMENT FULFILL THE GRADUATION REQUIREMENT FOR APPLIED SCIENCE AND TECHNOLOGY.**

## FAMILY & CONSUMER SCIENCES COURSE SEQUENCE\*



\*Courses are grouped by topic; courses requiring a prerequisite are identified by linking lines

## FAMILY & CONSUMER SCIENCES COURSES

**309221**

### FASHION MERCHANDISING

This course provides a basic knowledge of textiles and the elements and principles of design and how they relate to the fashion industry. It provides the student with the opportunity to study fashion designers and fashion history and apply this knowledge to the fashion industry today and in the future. Merchandising skills and career development will help students understand the fashion industry and what is needed to be successful. A field trip is planned to integrate the student's classroom studies.

Level 10, 11, 12

Semester 1

Credit: 1/2

Prerequisites: None

Course Fee Required

May also meet Fine Arts credit

**309308**

### FOOD SCIENCE

Food Science is the study of the physical and chemical characteristics of food. The course focuses on nutrition, health, food processing, and preparation. The scientific method and lab experiments are used to study all aspects of food. Students will be studying science by using material that has direct application to their daily lives. This course is recommended for students interested in areas of: food technology, food science and research, athletic nutrition, dietetics, chemistry, and biochemistry. Food science satisfies science requirement

Level: 10, 11, 12

Semesters: 1

Credit: 1/2

Prerequisites: None

Course Fee Required

May also meet Science Credit

**309310**

### FOOD AND NUTRITION

This course provides a basic knowledge of nutrition and cooking techniques that apply to everyday needs as well as commercial food preparation. This course focuses on food sanitation, food prep and eating according to the food pyramid and RDA recommendations. The emphasis is on food prep techniques, product quality and variations in the basic product for nutrition, creativity and dietary needs and restrictions. Feeding yourself and others at breakfast, lunch and dinner will give direction to this course. Various holiday and cultural foods will be produced. Quantity food production will be taught. This course will be beneficial personally, as well as to students interested in food related careers such as food science, hotel/restaurant management, sports nutrition, dietetics and catering. This course may be taken on it's own or, as a course with Food and Nutrition 2. The two courses together complete a student's basic knowledge and fulfill the full Applied Science and Technology credit.

Level: 9,10,11,12

Semester: 1

Credit: 1/2

Prerequisites: None

Course Fee Required

**309311****FOOD AND NUTRITION  
FOODWAYS AND CULTURE**

This course is similar to Food and Nutrition 1 in providing a basic knowledge of food preparation and nutrition. Focus will center on food prep and eating according to the food pyramid and RDA recommendations. Various foreign and ethnic cuisine will be studied this semester in addition to creative food preparation and quantity cooking. This course can be taken by itself or as a second semester to Food and Nutrition 1, producing a year course for the full Applied Science and Technology credit. This course is beneficial to anyone interested in food related career, such as food science, hotel/restaurant management, sports nutrition, dietetics and catering.

Level: 9,10,11,12 Semester: 1 Credit: 1/2  
Prerequisites: None Course Fee Required

**309350 , 309351****SENIOR FOODS**

This course deals with food, nutrition and preparation techniques that will develop successful independent living. The focus is on all aspects of food prep, sanitation, basic and advanced techniques matched to the student's ability, creativity and recipe development. Senior Foods is fundamental for anyone who likes to eat, wants to create healthy alternatives to eating fast food, wants a great basic cooking course or is interested in careers in food science, sports nutrition, dietetics, catering or hotel/restaurant management.

Level: 12 Semesters: 1 Credit: 1/2  
Prerequisites: None Course Fee Required

**309410****INTERIOR DESIGN**

The world of color, line, and design is explored in this beginning class of interior design. Principles and elements of design are studied and application projects are created for a student portfolio. Scaled floor plans; furniture arrangements and a client directed design for a one story home are produced by the student.

Level: 10,11,12 Semesters: 1 Credit: 1/2  
Prerequisites: None Course Fee Required  
May also meet Fine Arts credit

**309423****APPLIED INTERIOR DESIGN**

The Building Trades House will be the focus of Applied Interior Design. Students will gain knowledge about housing styles, furniture styles, kitchens, floors, wall coverings as they select the materials for the house. Guest speakers in the trades and design fields will help students prepare for careers in the field.

Level: 11,12 Semester: 1 Credit: 1/2  
Prerequisites: Interior Design  
May also meet Fine Arts credit

**309550 , 309551****CONSUMER EDUCATION**

Family financial planning is addressed in the course. Students will study economic systems, use of credit, budgets, savings, investing and banking. They will prepare a project to demonstrate their ability to purchase an automobile and insurance, investigate career choices, purchase health insurance and plan clothing and food purchases.

Level: 12 Semester: 1 Credit: 1/2  
Prerequisites: None  
Required for graduation

**309512****PARENTING**

The skills of parenting are addressed in a program that studies the changes in family structure, characteristics of mature parents, prenatal development, childbirth and the development of a child in the first year of life. Developmental psychology of the infant includes physical, emotional, social and intellectual growth. Simulations include the "Empathy Belly" and "Baby Think it Over".

Level: 9,10 Semester: 1 Credit: 1/2  
Prerequisites: None

**309516****CHILD DEVELOPMENT**

This course prepares the student for Child Development Lab during the second semester. The focus is on the toddler and pre-school child. Students will study the developmental psychology of a young child and will obtain information on careers in early childhood development. Students may take the second semester lab course at any time after completing this prerequisite course.

Level: 10, 11,12 Semester: 1 Credit: 1/2  
Prerequisites: None

**309521****CHILD DEVELOPMENT LAB**

This course includes the practical experience of preparing and teaching pre-school age children in our "in-house" pre-school. The students prepare their lessons on Mondays and Fridays and teach the children on Tuesday, Wednesday and Thursday. Students prepare lessons for large motor and small motor skills, music, language, and science and math skill in a developmentally appropriate curriculum. Articulated with College of DuPage.

Level: 10,11,12 Semester: 1 Credit: 1/2  
Prerequisite: Child Development or Parenting, "C" or better

**309532 , 309533****INTRODUCTION TO TEACHING**

This course allows highly motivated students to experience teaching as a possible career choice. The student must apply for this class and must have a minimum cumulative GPA of 2.5. The class meets during a double period of 2nd and 3rd hours. Foundations of education concepts are presented and students prepare a portfolio to take to their college. Students are assigned to a district elementary or junior high for their teaching experience three days each week and will teach and assist in the classroom. 40 contact hours are required.

Level: 12 Semesters: 1 Credit: 1  
Prerequisite: 2.5 GPA & Application by March 1. Good attendance record, Instructor's approval  
Dual Credit with College of DuPage

**309530 , 309531 ADULT LIVING/PERSONAL RELATIONSHIPS**

This course is designed to gain better understanding of self, relationships and the society in which we live. The insights, skills and concepts taught in this class are the basics of establishing satisfying and healthy relationships. Areas of study include: personality development; personal communication; anger management; gender development and differences; family patterns of interaction; current issues affecting group; family and individual relationships, aging. This course will help to assist living in today's world. This course is valuable to all students, and of particular interest for those considering a career in a human relation's field.

Level: 11,12 Semester: 1 Credit: 1/2  
Prerequisite: None

**309580****INTRODUCTION TO HEALTH OCCUPATIONS**

This course is an introduction to the careers available in health care. Emphasis is on job qualifications, educational requirements, and career opportunities for the numerous health care professions. Topics to be discussed will include personal characteristics of health care professionals, medical ethics and laws, nutrition as it relates to disease, and vital signs. Anatomy and physiology will be studied to provide a preliminary background for the terminology needed to proceed to future education in health and medical careers. Students will receive certification in American Red Cross CPR and First Aid. Resources include speakers and field trips dealing with health and medical careers. Dual credit can be received from COD and District 203 with the completion of both Intro to Health Occupations and Health Occupations. Please consult instructor.

Level: 10,11,12 Semesters: 1 Credit: 1/2  
Prerequisite: None Course Fee Required

**309583****HEALTH OCCUPATIONS**

This course is the second half of the health occupation sequence. Students will gather information about the variety of career choices in the health/medical fields by observing and shadowing professionals in twenty-five different departments at Edward Hospital. Classroom instruction continues from first semester with emphasis on universal precautions, infection control, and health care in various life stages, Hospice care, and communications. This course meets first and second hour to allow for the Edward Hospital commute time. Students may continue the health occupation strand at the College of DuPage or university level. Resources include speakers in the classroom and at the hospital. Current TB test required. Dual credit can be received from COD and District 203 with the completion of both Intro to Health Occupations and Health Occupations. Please consult instructor.

**Level: 10,11,12****Semester: 1****Credit: 1****Prerequisites:** Introduction to Health Occupations,**Application and Teacher Approval****Course Fee Required****Dual Credit with College of DuPage****309590 - 309591 HEALTH & HUMAN SERVICES INTERNSHIP**

The Health and Human Services Internship is designed for students with career interests in health, human services and family and consumer science. Students receive credit for the related class and credit for their job placement. Students gain firsthand knowledge through on-the-job training at a local business. Typical career areas would include restaurant management, culinary arts, childcare, education, interior design, fashion, fashion merchandising, cosmetology and medical, dental, and mental health careers. In the related class, students study job related topics, develop job search skills, explore careers, develop leadership skills and work on interpersonal relations. Students will complete a career portfolio. As part of the class, students participate in Family, Career and Community Leaders of America. This organization provides the student the opportunity to develop leadership skills, attend conferences and participate in competitive events.

**Level: 11,12****Semesters: 2****Credit: 2****Prerequisite:** Based on student's career objective.**309592 - 309593****COSMETOLOGY**

The Cosmetology program is a two-year program (junior/senior year) that meets the 1500- hour requirement for licensing by the State of Illinois. This cosmetology training takes place at the Technology Center of DuPage (TCD). Students are transported by bus Monday through Friday, with classes meeting from 12:30-4:30. Students take classes periods one through three at the home high school. The student is responsible for the enrollment fee, basic class kit, consumable supplies, and uniform. District 203 pays the tuition and bus transportation for the school year. TCD, as per the State of Illinois guidelines, determines the curriculum for this course. Before registration for this program an application must be obtained through the Applied Science & Technology Dept., returned to the cosmetology coordinator in Rm. 125, and admission to the program verified.

**Level 11,12****Semesters: 2****Credit: 3****Prerequisite:** Teacher approval**309610 , 309611****FAMILY & CONSUMER SCIENCES  
INDEPENDENT STUDY**

See Department Coordinator. Contract must be worked out with sponsoring teacher prior to the beginning of each semester.

**Level: 11,12****Semesters: 1 or 2****Credit: 1/2****Prerequisite:** Approval application and placement

# CAREER AND TECHNICAL EDUCATION STRANDS

Aligned with the International Technology Education Association's (ITEA) Standards for Technological Literacy (STL)

STRAND/SUBJECT	OPEN TO GRADES	PREREQUISITES
<b>INFORMATION &amp; COMMUNICATION</b>		
**Intro to Graphics	9,10,11,12	None
Graphics Communications II	9,10,11,12	Graphics 1
Production Graphics	10, 11,12	Graphics 2
Drafting I--CAD 2d	9,10,11,12	None
Drafting II-CAD 3d	9,10,11,12,	Drafting 1
<b>TRANSPORTATION</b>		
Auto Maintenance	10,11,12	None
Auto Mechanics	10,11,12	Auto Maintenance
Auto Service	11,12	Maintenance & Mechanics
<b>ENERGY &amp; POWER</b>		
Basic Electricity	9,10,11,12	Intro to Alg or Alg1(concurrently enrolled)
*Electronics I	9,10,11,12	Alg 1 (concurrently enrolled)
*Electronics II - Dig Electronics	10,11,12	Electronics 1
Computer Repair/A+ Cert	10,11,12	None
<b>MANUFACTURING &amp; CONSTRUCTION</b>		
Woods I	9,10,11,12	None
Woods II	10,11,12	Woods 1
Woods III	11,12	Woods 2
Building Trades	11,12	Instructor Approval
<b>AGRISCIENCE &amp; RELATED BIOTECHNOLOGY</b>		
***Floral Design	9,10,11,12	None
***Advanced Floral	10,11,12	Floral Design
*Plant and Landscape Sciences (PALS)	9,10,11,12	None
*Greenhouse Crop Production	10,11,12	Previous Horticulture Course
*Companion Animal Biology	9,10,11,12	None
Advanced Companion Animal Biology	10,11,12	Comp. Animal Biology
Summer Horticulture Ops	10,11,12	None
Supervised Agriscience Experience (SAE)	10,11,12	None
<b>ENGINEERING</b>		
Pre-engineering Drafting (Mech Drafting)	10,11,12	Drafting 1
**Architectural Drafting	10,11,12	Drafting 2
Research & Design	11,12	2 yr Science & completion of Algebra 2 or Dept. Chair approval
<b>CAREER DEVELOPMENT</b>		
<b>ALL ARE OPEN TO 11, 12 AND REQUIRE INSTRUCTOR APPROVAL.</b>		
High Tech Internship		
Cooperative Work Training I (CWT)		
Cooperative Work Training II (CWT)		
Industrial Internship		
Agriscience Internship		
Building Trades		
Summer Internship	11	Instructor approval and confirmed employment

\*May be applied toward fulfillment of high school graduation science credit, but not necessarily college.

\*\*May be applied toward fulfillment of high school graduation Fine Arts credit.

\*\*\*May be applied toward fulfillment of either high school graduation Science or Fine Arts credit.



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## TECHNOLOGY EDUCATION: CHANGING TO MEET YOUR NEEDS

The Technology Education Department offers a variety of courses in the application of mathematics and scientific principles and techniques. Many of these elective courses are recognized by the Math and Science Departments as appropriate for students who are planning on careers in engineering, architecture, metallurgy, and others in the area of applied sciences. For example, courses in electronics, engineering drafting and engineering design are recommended for the student who is considering a career in several areas of engineering such as electrical or mechanical. Architectural drafting and landscape design are recommended for those planning a career as an architect or in city planning. And, a good understanding and working knowledge of the operation of industrial machines will be valuable to the students planning to study one of the many areas related to mechanical engineering. Computer-aided design, drafting and matching software is introduced and used by the students as one method of learning in these courses.

The biological sciences can be further explored through the courses offered in the horticulture field such as Principles of Plant Science, Floral Design, and Greenhouse Crop Production. Courses in Graphic Communications allow students to explore a wide variety of areas related to printing, advertising, desktop publishing, marketing and sales.

Electronics, woodworking, engine and automotive systems and principles, machine shop and welding are offered for the student who is interested in these areas as career opportunities as well as for personal use. Many of the Technology Education courses develop skills, which can be used by the student for either part-time employment while in high school, a college or full-time employment after graduation.

In addition, students are given the opportunity in their junior and senior years to enter the Internship programs. In these programs, the students are placed with corporations, companies and other businesses in a real life work experience for which they are paid for training in occupational fields consistent with their current career interests. Students are placed in the fields of computer applications and programming, electronics, engineering, chemistry, biology, medical and health services, drafting advertising, sales, marketing, building trades, industrial trades, restaurant and food services, automotive services, animal care and services, greenhouse operations and landscape design, etc. The actual placement depends on student interest and high school course work completed, teacher recommendation, parent support, and availability of appropriate job placement. High Technology Internship is for students with high grade point averages who are interested in a career in one of the high technical fields such as chemistry, physics, biology or computers. Job placements in companies such as NALCO and AMOCO will be used for students who qualify for this program. Selection to participate in an Internship program is an honor and carries with it important responsibilities for the students, parents, school and employer. All courses meet the Applied Science & Technology graduation requirement.

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## AGRISCIENCE COURSES

### 310100 PLANT AND LANDSCAPE SCIENCES(PALS)

One of the most rapid growth areas of biological sciences is the study of horticulture. Increased career opportunities in the field of horticulture and a return to gardening as a hobby and leisure activity have prompted this growth. This course will provide the student with an overview of the industry, a scientific study of botanical plants, propagation and growth experiences of cultivated horticultural plants. Hands-on laboratory based exercises in landscape design and maintenance, principles of plant propagation, turf and lawn care, pest controls, hydroponics, and vegetable and food production will be employed. The student will be introduced to CAD landscape design as well as other computer based programs. Career opportunities for the college bound and non-college bound student will be emphasized. Course content will incorporate the Illinois State Colleges admission lab science program of "Science Applications in Agriculture".

Level: 9,10,11,12      Semesters: 1      Credit: 1/2  
Prerequisite: None      Course Fee Required  
\*May be used to satisfy high school graduation science requirement

### 310130 , 310131 FLORAL DESIGN

Interested in floral design, flower shop management, or the science behind the design? This course offers you the opportunity to design a variety of floral arrangements and to learn about plants from seed to the final design. The care and sale of floral designs, flowering container plants, and foliage plants will be discussed. Students will care for various plants in the school greenhouse. Identification of flowers and foliages and their appropriate care and use will be stressed, along with design principle in preparing a successful design. The student will be exposed to career opportunities through selected guest speakers

Level: 9, 10, 11, 12      Semesters: 1      Credit: 1/2  
Prerequisite: None  
Lab fee required to cover costs of consumable items.      Course Fee required  
May be used to satisfy high school graduation science or fine arts requirement.

### 310133 ADVANCED FLORAL DESIGN

This course builds upon basic floral design skills. Students will cover weddings, funerals, banquets, holiday and other complex styles used in the floral industry today. Students will learn more about flowers and foliages continuing from basic floral design course. Preserving and using preserved flowers will also be stressed. Students will learn business practices and other employability skills, including taking floral orders, floral accounting, customer relations, and starting a business. Career opportunities will be discussed.

Level: 10, 11, 12      Semesters: 1      Credit: 1/2\*  
Prerequisite: Floral Design      Course Fee Required.  
\*May be used to satisfy high school science graduation or fine arts requirement.

### 310141 GREEN HOUSE CROP PRODUCTION

This course emphasizes career oriented, hands-on experiences in the growth and cultivation of a wide variety of foliage plants, flowering container plants, bedding plants, perennials and vegetables in the school greenhouse. Students will propagate plants with seeds and asexual techniques, merchandise the plants and prepare individual projects. Exposure to horticultural technology and careers will be offered.

Level: 10,11,12      Semesters: 1      Credit: 1/2  
Lab fee required to cover costs of consumable items.  
May also meet Science credit      Course Fee required  
\*May be used to satisfy high school science graduation or fine arts requirement.

**310160, 310161****COMPANION ANIMAL BIOLOGY**

Interested in a career in veterinary medicine, kennel or pet shop management, dog training or grooming, zoo related occupations, stable management - then this is the course for you. Students will study animal health, nutrition, safety, animal behavior, pet selection, animal welfare, reproduction, and animal management systems. Career opportunities will be stressed.

Level: 9,10,11,12 Semesters: 1 Credit: 1/2

Lab Fee Required to cover costs of consumable items.

May also meet Science credit Course Fee required

**310163****ADV COMPANION ANIMAL BIOLOGY-BSAA  
ANIMAL SCIENCES**

Advanced Companion Animal Biology is designed for students to build on basic concepts in Companion Animal Biology and to continue studying animals in our society. Students will study principles of animal health and diseases, animal systems, nutrition and digestion, reproduction, genetics and embryology, and animal biotechnology. The relationships of man, plants, and animals will be explored. Course content is correlated to the Illinois State Colleges admission lab science program of "Biological Science Applications in Agriculture-Animal Sciences." If you are interested in pursuing a career with animals, this is a great opportunity to learn about some of the career fields open to you.

Level: 10, 11, 12 Semesters: 1 Credit: 1/2

Prerequisite: Companion Animal Biology Course Fee Required

**310190-310191****AGRISCIENCE INTERNSHIP**

Internship is designed for students with a career interest in ag business or agriscience. Students receive credit for the related class and credit for their job experience. Students gain firsthand knowledge through on-the-job training at a local business. The teacher assists the student in locating an appropriate placement. In the related class, students study job related topics, develop job search skills. Explore careers, develop leadership skills, and work on interpersonal relationships.

Level: 11,12 Semesters: 2 Credit: 1

Prerequisite: Instructor approval.

**310198, 310199****INDEPENDENT  
SUPERVISED****AGRISCIENCE EXPERIENCE(SAE)**

Advanced agriscience students may select a special research topic or problem to investigate with instructor guidance. Students will develop a plan of work to include objectives, plan of action to include labs and written applications, and evaluation process with instructor's approval. Topics of study may include such areas as horticulture, greenhouse management, landscape design, floral design, animal care and management, wildlife management, and environmental issues.

Level: 11, 12 Semesters: 1 Credit: 1/2

Prerequisites: Instructor approval

**310196****SUMMER HORTICULTURE OPERATION**

This course will provide both the advanced and beginning horticulture students the opportunity for unique hands-on experiences not offered during the regular school year. Included in this course are experiences in summer greenhouse operations, summer landscaping practices and turf management, woody plant care, and plant propagation. The student must complete a minimum of 65 hours of in-class work experiences and a minimum of 15 hours of individual research report or project. The student's work will be evaluated and a grade issued. The students may repeat the course with each grade being recorded on the transcript, as long as each summer experience is different.

Level: 9, 10, 11, 12 Semesters: 1 SummerCredit: 1/2

Refer to Summer School Booklet for details

**INFORMATION & COMMUNICATION  
GRAPHIC ARTS****310210, 310211****INTRO TO GRAPHICS I**

This one semester course is an introduction to the field of Graphic Arts. Students will be provided learning experiences in the areas of layout & design, photo enhancement, computer desktop publishing, and digital output. The Graphic Arts Industry in the state of Illinois employs more people than any other business or industry. A background in Graphic Arts at Naperville North can provide educational and career opportunities for the future.

Level: 9, 10,11,12 Semester: 1 Credit:1/2

Prerequisite: None Course Fee Required

May also meet Fine Arts credit.

**310222 - 310223****PRODUCTION GRAPHICS**

This course will be offered both semesters and may be taken as a single semester or a full year credit. The course will provide the students with practical experiences in both printed and electronic production related to the Graphic Arts Industry. Actual production of School and District printing needs will constitute a major portion of this course. Students will examine each production request, determine production methods, and will complete each request from start to finish. Students will also take part in laboratory and equipment maintenance.

Level: 10,11,12 Semesters: 2 Credit: 1/2 or 1

Prerequisite: Graphic Communications 2 Course Fee Required

**310218, 310219****GRAPHIC COMMUNICATIONS II**

This one semester course is designed to build on basic concepts and skills acquired in Intro to Graphics I. Emphasis will be placed on processes related to the Graphic Arts. Projects are designed to explore areas of design through photo-offset printing. The majority of layout and copy preparation will be done using Desktop Publishing software in the Graphic Arts Lab. Career awareness and applications of basic educational skills are integrated into the course.

Level: 9,10,11,12 Semesters: 1 Credit: 1/2

Prerequisite: Intro. to Graphics I Course Fee Required

\*\*This course receives dual credit at COD. See counselor or teacher for information.

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## ENERGY & POWER

### 310410

#### BASIC ELECTRICITY

This course provides an exploration into the basic concepts of electricity and beginning electronics. Students will be introduced to the fundamentals of electricity, energy utilization and electronic circuits. Topics will include the basic operation of DC circuits and the fundamental relationships among electrical quantities. The class will also explore electrical-related career opportunities and discuss electronic applications in related fields such as automotive, medical, and power generation. Follow-on topics include an introduction to electromagnetism and elements of basic AC circuit operation. Classroom exercises are supplemented with hands-on laboratory sessions where the students learn the proper use of basic electronic test equipment. Students will have the opportunity to build an electronic circuit from a kit while learning the proper techniques for soldering and troubleshooting. Finally, students will have the opportunity to explore basic house wiring by designing and building their own home wiring projects.

Levels 9, 10, 11, 12

Semesters: 1

Credit 1/2

Prerequisite: Concurrently enrolled in Introduction to Algebra or beyond

Dual Credit with College of DuPage

Course Fee Required

### 310420 - 310421

#### ELECTRONICS I

This two semester course covers the concepts in electronic circuit theory and applications. The course begins with an introduction to electronic components such as resistors, switches, and batteries and their behavior within electrical circuits. Electrical principles such as Ohm's Law and Watt's Law are studied and applied to series, parallel and combination circuits. Follow-on topics include the study of magnetism, electromagnetism and related AC circuit behavior involving capacitors, inductors and transformers. Lastly the students study the operation of diodes and transistors and their application in more complex semiconductor electronic circuits. Students will learn to use various types of electronic laboratory equipment including power supplies, digital multimeters, function generators and oscilloscopes while performing laboratory experiments that accompany the studied topics. The students will gain experience with electrical circuit fabrication, electronic simulation, and troubleshooting techniques while assembling their own electronic kits. This course is recommended for students with average or above math skills and an interest in science and engineering.

Levels 9, 10, 11, 12

Semesters: 2

Credit 1

Prerequisite: Concurrently enrolled in Algebra I or beyond

May also meet requirements for Science credit

Dual credit with the College of DuPage

Course Fee Required

### 310422

#### ELECTRONICS II/SEMI-CONDUCTORS & DIGITAL ELECTRONICS

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

Levels 10, 11, 12

Semesters: 1

Credit 1/2

Prerequisite: Electronics I, Physics I or instructor's permission

Course Fee Required

May also meet requirements for .5 of an elective lab Science credit

Dual credit with the College of DuPage

### 310432 - 310433 COMPUTER REPAIR/A+ CERTIFICATION

The Computer Repair/A+ Certification course is designed to equip both novice and experienced students with entry-level computer technician proficiencies. The course is aligned with the industry standard CompTIA A+ Certification objectives for hardware and software which are covered over two semesters. Students will become adept with key computer hardware architecture components like the motherboard, processor, memory, drives, networks, power supplies and peripheral devices. Additionally, students will install, configure, and troubleshoot the significant operating systems utilized today, primarily Windows 98, Windows 2000, and Windows XP. The course includes lectures, demonstrations and videos on theories of operation including real-life projects for the student to explore. Significant lab time is provided to offer the student authentic hands-on experiences in working with computers. The course follows an industry-recognized curriculum and is recommended for students who enjoy computers and/or students who might have a career interest in Information Technology leading to a professional certification. Further information about the CompTIA and the course objectives can be found at [www.comptia.org](http://www.comptia.org).

Levels 10, 11, 12

Semesters: 2

Credit 1

Prerequisite: None, although a course in electricity or electronics would be beneficial

Course Fee Required

Dual credit with the College of DuPage

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## MANUFACTURING & CONSTRUCTION

### 310510, 310511

#### WOODWORKING I

This course is open to any student interested in the vocational and hobby opportunities in woodworking. Basic instruction will be given in both hand tools and power tools. The student will learn to set up and adjust power equipment necessary to complete a selected project. This selected project directs the student into production technology techniques used in industry today. They will use appropriate construction materials, adhesives, as well as finishing materials that are environmentally safe. It also covers a study on woods and occupations in the wood products industry. Approved safety glasses with side shields are required.

Level: 9,10,11,12 Semester: 1 Credit: 1/2  
Prerequisite: None. Course Fee Required plus wood costs for selected projects.

### 310516, 310517

#### WOODWORKING II

Woods II is a basic cabinet and furniture construction course. The selection and design of furniture, different types of joint construction, and panel construction are explored. Wood turning as well as spray finishing is integrated in the furniture making. Occupations related to cabinetmaking and construction are explored throughout the course. Approved safety glasses with side shields are required. Students may elect to start Woodworking II at the beginning of second semester consecutive with Woods I.

Level: 10,11,12 Semester: 1 Credit: 1/2  
Prerequisite: Woodworking I Course Fee Required plus wood costs for selected projects

### 310522 - 310523

#### WOODWORKING III

This course is open to students who have completed Woodworking II. The student will select projects that are functional and attractive. This course will provide information on wood technology, principles of design and planning and comprehensive treatment of machine operation techniques pertaining to cabinetmaking, wood structures, and assembly, design and finishing. Safety glasses with side shields are required. These two semesters are reversible. Students may elect to start Woodworking III at the beginning of second semester.

Level: 11,12 Semester: 2 Reversible Credit: 1/2  
Prerequisite: Woodworking II or I possible  
Course Fee Required plus wood costs for selected projects

### 310800 - 310801

#### BUILDING TRADES

The building trades course, which meets two class periods each day, is provided for junior and senior students who plan to enter one of the building trades upon completion of high school. The focus of the class is the construction by the student of a two-story, four-bedroom home. The primary purpose of this course is to provide an educational experience for students to develop occupational skills, proper job attitudes, and safe work habits and to learn about the wide variety of construction trades. Safety glasses of the spectacle type are required.

Level: 11,12 Semesters: 2 Credit: 2  
Prerequisite: Instructor's approval

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## INFORMATION & COMMUNICATION ENGINEERING

### 310610

#### DRAFTING 1 - AUTO CAD 2D

This course is for all students who want to explore drafting as a career. Drawing for the mechanical engineer will be the major focus of the class. The basics of AutoCAD 2D will be presented during this first semester. Drawing assignments will be integrated with basic math and geometry skills to solve simple engineering problems. Freehand sketching, manual drafting and computer drafting skills will be developed so that they can be applied in other drafting courses like Pre-engineering, Architecture and Research and Design. This course receives articulated credit at College of DuPage.

Level: 9,10,11, 12 Semesters: 1 Credit: 1/2  
Prerequisite: None. Purchase of some drafting supplies is required.  
Course Fee Required

### 310620 - 310621

#### PRE-ENGINEERING DRAFTING

This course is intended for those students who have a high interest and aptitude for engineering and wish further study in the field of mechanical engineering. Students will study areas not covered so far in the introductory courses. Topics covered are: detailed multi-view projections, secondary auxiliaries, geometric tolerances, city, electrical, intersections, threads, fasteners, etc. Most drawings will be drawn on AutoCAD to further enhance their computer skills

Level: 10,11,12 Semester: 2 Credit: 1  
Prerequisite: Drafting 2-AutoCAD 3D  
Purchase of some drafting equipment required. Course Fee Required

### 310630 - 310631

#### ARCHITECTURAL DRAFTING

This course is for the student who wishes to study the field of architecture. Assignments given would simulate the work of an architect. Computer Aided Drafting (CAD) will be used during the year. Topics covered are CAD drafting, energy efficiency, construction techniques and terminology, residential and commercial building design and interior design. Working drawings needed for house construction are developed during the year.

Level: 10,11,12 Semester: 2 Credit: 1  
Perquisite: Drafting 2 -AutoCAD 3D Drafting. Purchase of some drafting materials is required.  
May also meet Fine Arts credit. Course Fee Required.

### 310617

#### DRAFTING 2 - AUTO CAD 3D

This course is the second course of the drafting sequence and it is usually taken the second semester. Students will study 2 dimensional and 3 dimensional AutoCAD Drafting. The drafting topics covered second semester are dimensioning, working drawings, sectioning, auxiliaries, isometric pictorials and developments. The students will also be introduced to Mastercam Manufacturing software. In the Mastercam program a student can design, draw apart and also write the program to manufacture the part on a computer-controlled mill or lathe. This course receives articulated credit with College of DuPage.

Level: 9, 10, 11,12 Semesters: 1 Credit: 1/2  
Prerequisite: Drafting 1-AutoCAD 2D Course Fee Required

### 310702 - 310703

#### RESEARCH & DESIGN

Research and Design is a course for the student who wants to explore engineering as a career. This course is project based. The student will learn the physics of how simple machines work through a series of hands on activities and projects. Problem solving is utilized to overcome problems of design, development, production, and the testing of a product. Topics covered are from both applied technology and science, which could include but not limited to; robotics, pneumatics, hydraulics, computer drafting, computer controlled machining, optics (including lasers), mechanical, electricity and magnetism. Students will work in design teams and present their achievements to the class in various competitions.

Level: 11,12 Semesters: 2 Credit: 1  
Prerequisite: 2yrs science and completion of Algebra II or, Department Chair approval. Credit may be taken in Science, Applied Science & Technology or split between both. Course Fee Required

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## TRANSPORTATION

### 310724

### AUTOMOTIVE MAINTENANCE

This course is designed to introduce students to the basic operation and maintenance of the modern automobile. It will be beneficial for ALL current and future car owners, both male and female, and will provide students with the skills necessary for owning and keeping a car running. Students will learn how to perform general maintenance on a vehicle. Some of the hands-on activities include oil changes, tires, batteries, front braking systems, cooling systems, starting and charging systems, and other general maintenance items. Students will also learn about buying new and used vehicles from the automotive perspective. Safety glasses required.

Level: 10, 11,12

Semesters 1

Credit 1/2

Course Fee Required

### 310730 - 310731

### AUTOMOTIVE SERVICE

This course will give the automotive students a deeper and enriched background in all aspects of automotive servicing. Students will learn to use advanced tools and equipment through hands-on experience applying the latest technology in the automotive industry. Specific topics that will be covered in depth include engine breakdown, blue printing, and manual and automatic transmissions. The students will perform automotive service work with an emphasis on shop operating procedures.

Safety glasses required.

Level: 10,11,12

Semesters 2

Credit 1

Prerequisite: Passing grade of C or higher in both Automotive

Maintenance and Automotive Mechanics, or by instructor approval.

Course fee required

### 310727

### AUTOMOTIVE MECHANICS

This course is designed to prepare students for job entry or advanced training in the automotive service field. These students will develop skills in the design, operations, plus diagnostic procedures of the gasoline engine. In addition, all aspects of the vehicle will be covered, including advanced rear braking systems, ABS, engine theory, fuel injection, modern computer controls and emissions. Safety glasses required.

Level: 10, 11,12

Semesters 1

Credit 1/2

Prerequisite: Auto Maintenance

Course Fee Required

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## INTERNSHIP

### 310790 - 310791

### HIGH-TECH INTERNSHIP

See Internship for description.

Level: 11,12

Semesters: 1

Credit: 1

Prerequisite: Strong math/science background with above average academic standing. Approval of the teacher/coordinator. Age 16 by the first day of the semester.

### 310822 - 310823

### SUMMER INTERNSHIP

See Internship for description.

Level: Age 16 (June 1) or Junior standing Summer Only

Credit: 1

Prerequisite: Teacher approval, confirmed employment prior to first day of class. Tuition paid prior to first day of class

### 310792 - 310793 INDUSTRIAL TECHNOLOGY INTERNSHIP

See Internship for description.

Level: 11,12

Semesters: 2

Credits: 2

Prerequisite: Prior or concurrent course work related to the selected.

### 310890 - 310891

### TECHNOLOGY EDUCATION INDEPENDENT STUDY

See department coordinator

Level: 11,12

Semesters: 1 or 2

Credit: 1/2 or 1

Prerequisite: Approval application and placement. Contract must be made with sponsoring teacher prior to the beginning of each semester.

### 310794 - 310795 COOPERATIVE WORK TRAINING I

See Internship for description.

Level: 11,12

Semesters: 2

Credit: 2

Prerequisite: Approval of teacher/coordinator, Age 16 by first day of semester.

### 310796 - 310797 COOPERATIVE WORK TRAINING II

See Internship for description.

Level: 11,12

Semesters: 2

Credit: 2

Prerequisite: Approval of teacher/coordinator. Age 16 by first day of semester.

# MATHEMATICS

The mathematics curriculum is designed to accommodate students whose interests and strengths lie in other areas as well as those who wish to study mathematics. The "normal" four-year sequence would be:

9th Grade: Algebra  
 10th grade: Plane Geometry  
 11th grade: Advanced Algebra  
 12th grade: Pre-Calculus with Trigonometry

For the student who has completed Honors eighth grade (Algebra I) and begins Geometry in the ninth, a fifth year of high school mathematics is available on the senior level: Advanced Placement Calculus or Advanced Placement Statistics. Incoming freshmen may sign up for any one of the mathematics offerings (levels) for which their background and ability prepare them: in order, Introduction to Algebra, Algebra I, Plane Geometry, Honors Geometry, or Honors Advanced Algebra. All of these may be followed by the next course in the strand.

For those courses requiring a graphing calculator, the department recommends the Texas Instrument - 84 Plus (T I - 84 Plus) model.

There is an option at the senior level for those students entering high school at the Advanced Algebra level. Multi-variable Calculus will be offered as a full-year course if the enrollment warrants. This course would follow A.P. Calculus BC taken in grade 11.

Any four semesters of mathematics, successfully completed, fulfill the two mathematics credit requirement for high school graduation. Most colleges require students to complete a minimum of 3 years of math: Algebra I, Geometry, and Advanced Algebra.

## RECOMMENDED SEQUENCE OF CLASSES IN FOUR STRANDS:

Freshman	Sophomore	Junior	Senior
<b>Strand I</b> Honors Geometry	Honors Advanced Algebra	Honors Pre-Calculus with Trigonometry	A.P. Calculus "BC" and/or A.P. Statistics
<b>Strand II</b> Plane Geometry	Advanced Algebra	Pre-Calculus with Trigonometry	A.P. Calculus "AB" and/or A.P. Statistics
<b>Strand III</b> Algebra I	Plane Geometry	Advanced Algebra	Pre-Calculus with Trigonometry, Discrete Math, or A.P. Statistics
<b>Strand IV</b> Introduction to Algebra	Algebra I	Plane Geometry or Fundamentals of Geometry	Advanced Algebra or Algebra II

## DEPARTMENTAL PLACEMENT:

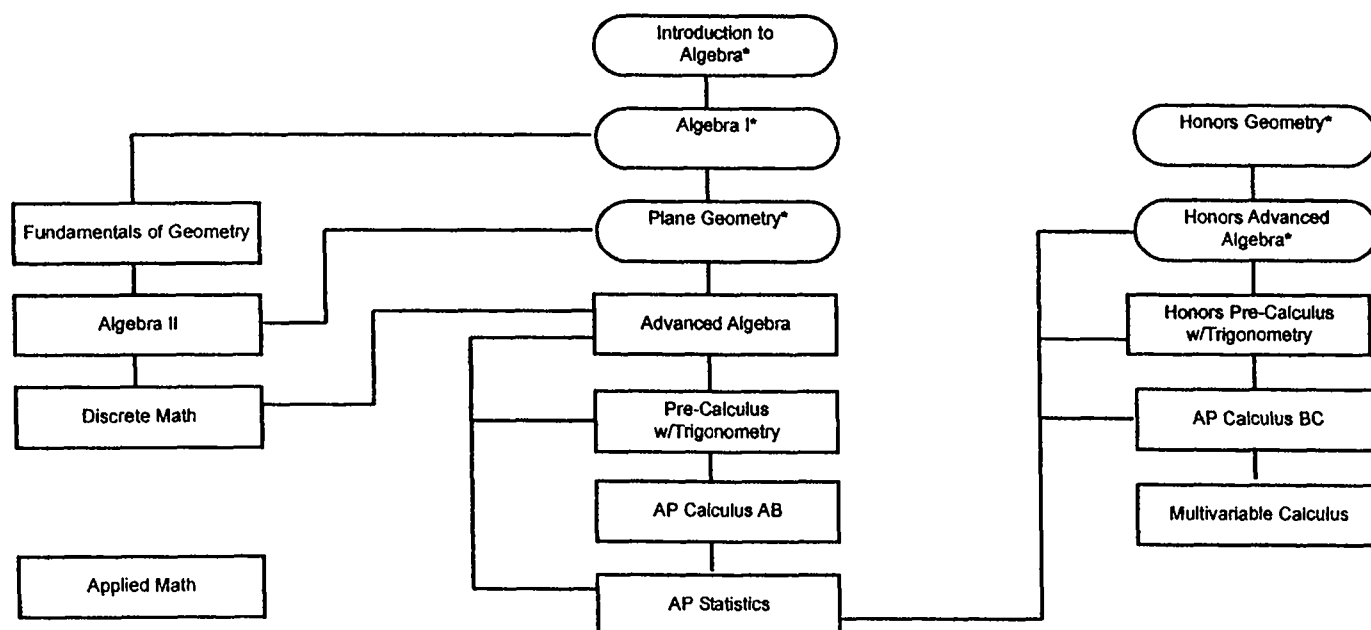
**For incoming freshmen:** Students will be placed by the Mathematics Department based on their eighth grade math course, math grades, and recommendations from the junior high teachers and counselors.

**For those entering sophomore, junior, or senior year:**

Students will be placed according to the following recommended sequence of classes in the various strands available. To change strands, the following guidelines are established:

1. To be considered for a change to a higher strand, a student's average in the previous course should be a strong "A". A student must also have the math teacher's recommendation. In addition, students will be evaluated using cognitive testing and content testing.
2. To be considered for a change to a lower strand, the student must have earned a grade of "D" or "F" in the previous course despite considerable effort. A student must also have the math teacher's recommendation.
3. Exceptions to the above will be considered by the Department Coordinator.

## MATHEMATICS COURSE SEQUENCE



\* boxes indicate possible starting sequence for Freshmen

## MATHEMATICS COURSE OFFERINGS

### 311128 - 311129

#### INTRODUCTION TO ALGEBRA

This course is an entrance-level class designed for students beginning the study of high school mathematics. It will focus on mathematical skills necessary for success in Algebra I. This course will solidify a basic math background and serve as a springboard into the regular Algebra I course the following year.

Level: 9,10

Semesters: 2

Credit: 1

Prerequisites: Departmental Placement

### 311130 - 311131

#### ALGEBRA I

Algebra is the area of mathematics in which the operations of arithmetic are generalized by the use of variables to represent quantities. Mathematical topics include systems of equations, quadratics, families of functions, and elementary data analysis. This is a beginning course in Algebra and is fundamental in developing skills essential for further study of mathematics as well as being a basic entrance requirement for the study of many other courses. A graphing calculator is required (TI 83 plus or TI 84 plus).

Level: 9, 10, 11

Semesters: 2

Credit: 1

Prerequisites: Departmental Placement

### 311210 - 311211

#### FUNDAMENTALS OF GEOMETRY

This course provides students with the fundamental vocabulary, properties, language, content and procedures of geometry. It is a study of such topics as triangles, circles, polygons, and parallel lines, with an introduction to coordinate geometry. The course includes application of the students' algebraic skills.

Level: 10, 11, 12

Semesters: 2

Credit: 1

Prerequisites: Algebra I and Departmental Placement

### 311212 - 311213

#### PLANE GEOMETRY

This course provides students with the fundamental vocabulary, properties, language, content and procedures of geometry. It is a study of such topics as triangles, circles, polygons, parallel lines, and inequalities, with an introduction to coordinate and solid geometry. Emphasis is placed on construction of a formal proof, the analysis of the nature and structure of a logical system and on problem solving skills. The course includes applications of the students' algebraic skills.

Level: 9, 10, 11, 12

Semesters: 2

Credit: 1

Prerequisites: Algebra I

### 311214 - 311215

#### HONORS GEOMETRY

All content from Plane Geometry is covered with additional topics added. The main thrust is to offer students opportunity to learn a variety of problem solving techniques and how to apply those to challenging problems. A major emphasis is placed on construction of a formal proof.

Level: 9, 10

Semesters: 2

Credit: 1 (Weighted)

Prerequisites: Algebra I and Departmental Placement

**311308 - 311309****ALGEBRA II**

This course will reinforce Algebra I topics such as linear equations, linear graphing and systems of linear equations other topics include factoring, exponents, radicals, properties of graphs, irrational numbers, analytic geometry, exponential and logarithmic functions and statistics. A second year of studying algebra is essential for those who plan to continue the study of mathematics in high school and college. A graphing calculator is required.

Level: 11, 12      Semesters: 2      Credit: 1  
Prerequisites: Fundamentals of Geometry or Departmental Placement

**311310 - 311311****ADVANCED ALGEBRA**

This course is a continuation of the principles learned in Algebra I with added emphasis on abstract reasoning. Topics to be covered include factoring, exponents, radicals, properties of graphs, irrational numbers, analytic geometry, exponential and logarithmic functions and statistics. Advanced Algebra is an essential course for those who plan to continue the study of mathematics in high school and college. A graphing calculator is required.

Level: 10, 11, 12      Semesters: 2      Credit: 1  
Prerequisites: Geometry

**311312 - 311313****HONORS ADVANCED ALGEBRA**

This highly challenging course includes an intense treatment of all topics in Advanced Algebra with additional work on matrices, determinants, permutations, combinations, and math-contest problems. Students will work exercises requiring innovative thinking, applications, and extensions of traditional Advanced Algebra material. An exceptional grasp of Algebra I concepts is assumed as a prerequisite. A graphing calculator is required.

Level: 9, 10, 11      Semesters: 2      Credit: 1 (Weighted)  
Prerequisites: Honors Geometry and Department Placement

**311316 - 311317      DISCRETE MATHEMATICS W/STATISTICS**

This course is designed as an alternative to Pre-Calculus w/Trigonometry for students desiring an additional year of mathematics. Topics covered in the first semester will include modeling, applications, election theory, fair division algorithms, matrices, graph theory, tree diagrams, counting and probability, and recursion. The entire second semester is devoted to the study of statistics with a review of some probability. The semester course offerings are non-sequential. A graphing calculator is required.

Level: 11, 12      Semesters: 1 or 2 or Both      Credit: 1/2 or 1  
Prerequisite: Advanced Algebra or Algebra II and Departmental Placement

**311326 - 311327****PRE-CALCULUS W/TRIGONOMETRY**

This course is designed for students planning to study college level calculus. A heavy emphasis is placed on the study of functions (applications and theory) which includes circular and trigonometric functions, inverse trigonometric functions, graphing of functions, parametric equations, polar coordinates, and sequences and series. A graphing calculator is required.

Level: 10, 11, 12      Semesters: 2      Credit: 1  
Prerequisites: Advanced Algebra

**311328 - 311329****HONORS PRE-CALCULUS W/TRIGONOMETRY**

This course is designed for students planning to study Advanced Placement Calculus (BC). The topics studied will be the same as Pre-Calculus with some additional topics such as vectors, limits and continuity, infinite series and mathematical induction. A graphing calculator is required.

Level: 10, 11, 12      Semesters: 2      Credit: 1 (Weighted)  
Prerequisites: Honors Advanced Algebra and Department Placement

**311420 - 311421      ADVANCED PLACEMENT CALCULUS AB**

This course is intended mainly for those students who wish a college level mathematics course. The material to be presented will be more rigorous than in previous mathematics course with emphasis placed on derivations, problem solving, and connecting graphical and algebraic techniques. Students desiring one semester of college placement/credit will be encouraged to take the Advanced Placement Exam. A graphing calculator is required.

Level: 11, 12      Semesters: 2      Credit: 1 (Weighted)  
Prerequisites: Pre-Calculus and Departmental Placement

**311422 - 311423      ADVANCED PLACEMENT CALCULUS BC**

This course includes all topics studied in Advanced Placement Calculus AB. Sequences and series, polar coordinates, vector functions, additional integration methods, and differential equations are also taught. Students desiring one semester of college placement/credit will be encouraged to take the Advanced Placement Exam. Students enrolling in Calculus BC after completing Calculus AB will take an audit grade for the first semester with no credit (because of the overlap of material from Calculus AB) and will earn an academic grade with 0.5 credit in the second semester. A graphing calculator is required.

Level: 11, 12      Semesters: 2      Credit: 1 (Weighted)  
Prerequisites: Honors Pre-Calculus and Departmental Placement

**311424 - 311425****MULTIVARIABLE CALCULUS W/LINEAR ALGEBRA**

This course is intended for those students who have completed Calculus BC. The material will be presented with the same rigor as the Advanced Placement Calculus course. Emphasis will be placed on derivations, proof, and problem solving techniques. A graphing calculator is required.

Level: 12      Semesters: 2      Credit: 1 (Weighted)  
Prerequisite: Calculus BC

This course is dual credit with College of DuPage

**311426 - 311427      ADVANCED PLACEMENT STATISTICS**

This course is designed for students who wish to study a non-calculus-based college course in statistics. The syllabus for the course is taken from the outline provided by the Advanced Placement Board. The material in the course includes graphical analysis of data, experimental design, fundamental rules of probability, and statistical inference. Students desiring one semester of college placement/credit will be encouraged to take the Advanced Placement Exam. A graphing calculator is required.

Level: 11, 12      Semesters: 2      Credit: 1 (Weighted)  
Prerequisite: Mastery of Advanced Algebra

**311650 - 311651****APPLIED MATHEMATICS USING COMPUTERS**

This year long course is designed for upperclassmen who are not in the college-bound mathematics sequence. Topics covered include computing wages, income tax, return on investment for stocks and bonds, and interest on loans, savings accounts, and credit cards. Also covered are personal finance topics such as calculating the cost of owning a car, traveling, purchasing food and other goods, insurance, housing, and retirement. This course is team taught by the Math and Business Departments if enrollment warrants. Topics taught by the Math Department are reinforced by the Business Department using appropriate business software.

Level: 11, 12      Semesters: 2      Credit: 1  
Prerequisites: One math credit and Departmental Placement  
Lab Fee Required

**311690 - 311691****MATH INDEPENDENT STUDY**

Students should contact a teacher in the subject area of interest and the Instructional Coordinator for further information.

Level: 11, 12      Semesters: 1 or 2      Credit: 1/2 or 1  
Prerequisites: Approval by Departmental Chairperson



# MUSIC

Enrollment in the curricular music program entitles the student to opportunities in the area of jazz (both instrumental and vocal). These groups meet outside the school day and are by audition only. Additional opportunities lie in the area of small chamber ensembles (i.e. quartets, quintets, and vocal ensembles). These groups are also by audition only. All classes fulfill the Fine Arts graduation requirement

## MUSIC COURSES

### 312112 - 312113 9TH PERCUSSION STUDIES 312114 - 312115 10TH PERCUSSION STUDIES 312116 - 312117 11TH PERCUSSION STUDIES 312118 - 312119 12TH PERCUSSION STUDIES

Students in the class will study in the four basic areas of snare drum, timpani, key-boards, auxiliary and percussion. Additionally, they will participate in percussion ensembles, as well as prepare to perform with the specific bands to which they are assigned. Individual practice is expected outside the class time.

Level: 9,12,11,12 Semesters: 2 Credit: 1  
Prerequisite: at least one year of either junior high or high school band participation (or private study). Course Fee Required

### 312120 - 312121 SYMPHONIC BAND

This band is for students who display basic technical skill on a band instrument, and who understand the basic conceptual aspects of music. This course is designed to refine technique, tone, rhythm, expression, and musical awareness through the performance of moderate high school literature.

Level: 9,10,11,12 Semesters: 2 Credit: 1  
Prerequisite: Audition Course Fee Required

### 312124 - 312125 SYMPHONIC WINDS

This band is for students who display moderate technical skill on a band instrument, in addition to a moderate understanding of the conceptual aspects of music. This course is designed to refine technique, tone, rhythm, expression, and musical awareness through the performance of standard high school music literature.

Level: 9,10,11,12 Semesters: 2 Credit: 1  
Prerequisite: Audition Course Fee Required

### 312126 - 312127 CHAMBER WINDS

This advanced band is for students who display strong technical skill on a band instrument; and who, in addition, understand the advanced concepts of music. This course is designed to refine technique, tone, rhythm, expression, and musical awareness through the performance of advanced/standard high school music literature.

Level: 9,10,11,12 Semesters: 2 Credit: 1  
Prerequisite: Audition Course Fee Required

### 312128 - 312129 WIND SYMPHONY

This advanced instrumental music course is for students who display advanced instrumental skill, knowledge and understanding of music and exhibit a high degree of self-discipline and citizenship. This course is designed to refine instrumental technique, tone and intonation, expose the student to advanced music literature of a variety of styles and to offer the student additional outlets for musical growth through participation in small ensembles and solo work. Private study on individual instrument is encouraged. Auditions determine admission.

Level: 10,11,12 Semesters: 2 Credit: 1  
Prerequisite: Teacher recommendation & audition. Course Fee Required

### 312130 - 312131 WIND ENSEMBLE

This most advanced band course is for students who display superior instrumental skills, knowledge and understanding of music and exhibit a high degree of self-discipline and citizenship. This course is designed to refine instrumental technique, tone and intonation, expose the student to advanced music literature of a variety of styles and to offer the student additional outlets for musical growth through participation in small ensembles and solo work. Private study on individual instrument is strongly recommended. Auditions determine admission and chair placement.

Level: 10,11,12 Semesters: 2 Credit: 1  
Prerequisite: Teacher recommendation and audition. Course Fee Required

### 312142 - 312143 CONCERT ORCHESTRA

Concert Orchestra is a basic level string ensemble for students who wish to develop the skills of shifting, vibrato, and bow technique. Students are exposed to a variety of musical styles with an emphasis on learning proper performance practice. Students also have the opportunity to perform in small ensembles.

\*Lessons on the Fundamentals of theory are incorporated into the daily exercises and warm-ups.

Level: 9,10, (11) Semesters: 2 Credit: 1  
Prerequisite: Junior high orchestra or teacher recommendation. All students will be placed in Concert Orchestra unless they audition for and are placed in Symphonic Orchestra

Course Fee Required

### 312144 - 312145 SYMPHONIC ORCHESTRA

Symphonic Orchestra is an advanced string ensemble for students who have achieved an advanced level of technique on violin, viola, cello or bass. Students should have a working knowledge of shifting in positions one through five, vibrato, and basic bow techniques of detache, martele and staccato. Music literature refines these techniques with a variety of musical styles. Students also have the opportunity to perform in small group ensembles.

Level: 9,10,11,12 Semesters: 2 Credit: 1  
Prerequisite: Teacher recommendation & audition for grade 9 students.

Course Fee Required

### 312204 - 312205 BASS CHOIR 312206 - 312207 CECILIAN SINGERS

This beginning vocal course is open to students who wish to develop their vocal skills. This course is designed to reinforce the fundamentals of music, to increase knowledge and understanding of music, and to explore challenging music of a variety of styles.

Level: 9,10,11,12 Semesters: 2 Credit: 1  
Course Fee Required

### 312234 - 312235 CHORALE

This intermediate vocal course is open to students who wish to develop their vocal skills. This course is designed to reinforce the fundamentals of music, to increase knowledge and understanding of music and to explore challenging music of a variety of styles.

Level: 10,11,12 Semesters: 2 Credit: 1  
Prerequisite: Audition (one year prior experience at NNHS or transfer students with exceptional ability and background.)

Course Fee Required

### 312236 - 312237 TREBLE CHOIR

This advanced vocal music course is for students who display advanced soprano and alto vocal skill, knowledge and understanding of music. This course is designed to refine vocal technique, expose the student to advanced music literature of a variety of styles and to offer the student additional outlets for musical growth through participation in solo material and small ensembles. Private instruction is encouraged.

Level: 10,11, 12 Semesters: 2 Credit: 1  
Prerequisite: Audition (one year prior experience at NNHS or transfer students with exceptional ability and background.)

Course Fee Required

**312220 - 312221****CONCERT CHOIR**

This advanced vocal music course is for students who display advanced vocal skill, knowledge and understanding of music. This course is designed to refine vocal technique, expose the student to advanced music literature of a variety of styles and to offer the student additional outlets for musical growth through participation in solo material and small ensembles.

**Level: 10,11, 12****Semesters: 2****Credit: 1**

**Prerequisite:** Audition (one year prior experience at NNHS or transfer students with exceptional ability and background.)

**Course Fee Required****312240 , 312241****MUSIC THEORY**

Music Theory is a non-performance music elective designed to develop musical literacy in students by giving them a background in music construction, and analysis. This will be accomplished through reading, writing, listening to, and analyzing music from the traditional eras of the "Common Practice" period of music. Students will study the underlying principals of music, including written harmony and ear training. Analysis and composition of various musical styles will be stressed. These are important skills for musicians at any level. Though the class is project - based , computer assisted instruction will be included. The class is intended for students with limited to moderate musical experience.

**Level: 9,10,11, 12****Semesters: 1****Credit: 1/2****Prerequisite: None****Course Fee Required****312250 , 312251****MUSIC APPRECIATION:  
FROM BACH TO ROCK**

Music has played and continues to play a vital role in enriching the lives of all who experience it. Our enjoyment of music can be expanded when it is infused with historical context, explores multiple styles and genres and when it is examined within the larger social, cultural and artistic environment. In this class, students will listen to, analyze and evaluate music and musical performances from a historical to a contemporary perspective. As a result, students will develop greater historical music knowledge, gain exposure to a variety of musical styles, advance their ability to connect their own musical interests to history, create a foundation to inform their future musical experiences and investigate potential music industry applications that might be relevant to their lives.

**Level: 9,10,11, 12****Semesters: 1****Credit: 1/2****Prerequisite: None****Course Fee Required****312290 , 312291****MUSIC INDEPENDENT STUDY**

Student should contact a teacher in the subject area of interest or the Instructional Coordinator for further information. A contract must be worked out with sponsoring teacher prior to the beginning of each semester.

**Level: 11, 12****Semesters: 1 or 2****Credit: 1/2 or 1****Prerequisite: None**

# WELLNESS EDUCATION

## PHYSICAL EDUCATION, HEALTH EDUCATION & DRIVER EDUCATION

Successful completion of 7 semesters of Physical Education is required for graduation. (Please refer to Graduation Requirements). Beginning with the class of 2003, the Physical Education grade will be figured into the grade point average.

It is the objective of physical education to contribute to the physical, mental/emotional, and social development of students through a wide variety of physical activities. Lifetime activities are emphasized that can be enjoyed by all students, regardless of their strengths or limitations. An integral component of the Physical Education Program is the concept of cardiovascular and total fitness. The use of heart rate monitors in the physical education setting is another important part of our program.

The Physical Education Program is organized so each student has the opportunity to participate in a wide variety of indoor, outdoor, individual, team and fitness activities. Minimum requirements during seven semesters of Physical Education are six (6) fitness units; four (4) team sports units; three (3) individual sports units; two (2) aquatics units; and two (2) dance units. Freshmen participate in a required core program consisting of soccer, swimming, volleyball, basketball, badminton, dance concepts and gymnastics. All freshmen also take a nine week unit in fitness concepts. During this unit, freshmen are required to develop a 6-week personal fitness plan. Upper classmen elect their activities by choosing a track of four (4) activities each semester. Their choices include archery, bowling, tennis, flag football, team handball, floor hockey, jazz dance, tap dance, aerobics, dance of the decades, wall climbing, CPR training, and ultimate frisbee. One component of each of the activities is a fitness unit that combines cardiovascular sessions and fitness center sessions.

In addition to the regular program, an Adaptive Physical Education Program is offered to those students who for a variety of medical reasons cannot participate in the regular Physical Education Program. Each student's program is individually designed to assist in overcoming physical problems either through rehabilitation or exposure to appropriate activities.

### PHYSICAL EDUCATION COURSES\*

313140 - 313141	Physical Education I (Freshman) Course Fee Required
313143	Physical Education I Repeat
313240 - 313241	Physical Education II (Sophomore)
313242 - 313243	Physical Education II Repeat
313490 - 313491	Physical Education IV (Juniors & Seniors)
313492 - 313493	Physical Education IV Repeat
313532 - 313533	Physical Education Adapted
313664	Junior Leaders Physical Education (By Application)
313662 - 313663	Senior Leaders Physical Education

\*A physical education uniform is required by the Board of Education. In addition to the curricular program, students are encouraged to participate in extra-curricular activities including intramural and interscholastic athletics.

### HEALTH EDUCATION COURSES

#### 308100 , 308101

#### HEALTH EDUCATION

Health Education is required of all students as a part of the graduation requirement. Health is a 1 semester course receiving full academic credit, it is taken during the sophomore year in lieu of Physical Education.

#### COURSE CONTENT

1. Introduction to Health and Wellness - Definitions; Factors influencing an individual's wellness decision making.
2. Physical Wellness - Chronic Diseases, Tobacco, Nutrition, Weight Control.
3. Mental Wellness - Self-Concept, Stress, Relationships, Assertive Behavior, Positive Coping.
4. Drug Awareness - Alcohol, Marijuana, Other Drugs, Use/Abuse/Addiction, Recovery, Co-dependency, Enabling.
5. Healthy Sexuality - Reproductive Systems, Pregnancy, Childbirth, Abstinence, Birth Control, Sexually Transmitted Diseases, Teen Issues.

Level: 10,11,12

Semester: 1

Credit: 1/2

#### 308127

#### CONTEMPORARY HEALTH ISSUES

This course will give students the opportunity to explore in depth a variety of contemporary health issues. The course will assist in developing skills that will help students make positive decisions with respect to their own personal health. It is a performance-based class including several projects and research activities. Topics include, but are not limited to, the following: Alternative Health Care Treatments; Self-Esteem and Personal Growth; Eating Disorders; Depression; Drug Abuse Issues, and Sexuality Issues. This course may be taken in lieu of Physical Education and counts in the grade point average. If the student fails this course, he/she will be required to make up the credit in Physical Education.

Level: 11,12

Semesters: 1

Credit: 1/2

Prerequisite: Completed application and approval of sophomore Health Teacher and Department Coordinator.

## DRIVER EDUCATION COURSES

### 305100 , 305101

### DRIVER EDUCATION

The Driver Education Department will teach all phases of the driver education program. This will include the classroom, simulator, and behind-the-wheel phases. The three will be taught simultaneously over a period of one semester. Students who will be 16, on, or before, February 15, 2004 may register for Driver Education for the first semester. Students who will be 16 on, or before July 31, 2004 may register for Driver Education for second semester.

Final cutoff dates and additional availability will be finalized pending enrollment. Should additional space become available, admission will be on the basis of birth date.

Students in Driver Education will not receive credit; however, grades will be issued. In the event the number of students desiring the course exceeds the capacity to give instruction, candidates will be selected by age-the older students will be scheduled first.

**I. CLASSROOM PHASE** -The classroom instruction will be part of the semester Driver Education course. The state of Illinois requires at least 30 clock hours of instruction if the student desires to obtain a legal driver's license before his 18th birthday.

**II. BEHIND-THE-WHEEL PHASE** -This is required by the State of Illinois, if the student desires a legal driver's license before reaching the age of 18. The behind-the-wheel phase will be taught together with the classroom phase during the semester or summer school session the student reaches the qualification date. Enrollment and selection of students will be made each semester. At least 6 clock hours of actual driving instruction and 12 clock hours of observation time are required and will be offered. In order to meet the State of Illinois requirements each student must spend 25 hours of behind-the-wheel time outside of regular school hours. (i.e. after school or on weekends.) Parents are expected to take their son/daughter driving in addition to the behind-the-wheel phase.

**III. SIMULATOR PHASE** -This will be a part of the behind-the-wheel phase of the program. At least 12 clock hours of instruction will be given in the simulators. This time will be substituted for the 3 hours of actual driving time. The State of Illinois suggests 4 hours of simulator time for each hour of driving time not to exceed 3 clock hours.

Level: 9,10,11,12

Semesters: 1

Credit: None

Prerequisites: 16 years of age on or before February 15, 2004 for 1st semester, 16 years of age on or before July 31, 2004 for 2nd semester.

Course Fee Required

*Student must have received a passing grade in at least 8 courses during the previous 2 semesters or obtain a waiver from the superintendent's office.*

## "GRADUATE TO SAFETY" GRADUATED LICENSING SYSTEM

### PERMIT PHASE -DRIVERS AGE IS 15

- Parental consent necessary to obtain permit
- Must be enrolled in approved driver education course and must pass vision and knowledge tests
- Permit is valid for two years and must be held for a minimum of three months before a license is granted. Practice driving must be supervised by parent or adult age 21 or older.
- All occupants under age 18 must wear safety belts.
- Number of passengers limited to one in front seat and to the number of safety belts in back seat
- 11 p.m. curfew Sunday- Thursday; midnight Friday and Saturday (local curfews may differ)
- Legal blood alcohol content (BAC) limit is .00

### SANCTIONS

- Limit of one court supervision for serious offenses
- Unlicensed individuals convicted of a serious moving violation must continue to drive on a learner's permit for six months before obtaining license
- Not eligible for a restricted driving permit or a judicial driving permit
- Individuals age 15 and under caught driving without a permit are ineligible to obtain license until age 18

### INITIAL LICENSING PHASE -DRIVERS AGE 16-17

- Parental consent required to obtain license; parent must verify that a minimum 25 hours of behind-the-wheel practice have taken place
- All occupants under age 18 must wear safety belts
- Number of passengers limited to one in front seat and to the number of safety belts in back seat
- 11 p.m. curfew Sunday- Thursday; midnight Friday and Saturday only for 16 year old
- Legal blood alcohol content (BAC) limit is .00

### SANCTIONS

- Limit of one court supervision for serious offenses
- Conviction of ANY moving violation before age 18 generates Secretary of State warning letter to parent or teen
- Second conviction of ANY moving violation before age 18 results in minimum one month license suspension, with a longer suspension for subsequent violations
- Suspended drivers required to attend remedial driver education course, pay \$30 reinstatement fee, and be retested

### FULL LICENSING PHASE- DRIVERS AGE 18-20

Legal blood alcohol content (BAC) limit is .00

### SANCTION

- Limit of one court supervision for serious offenses
- Conviction of two moving violations in 24 month period results in minimum one month suspension, with a longer suspension for subsequent violations
- Suspended drivers required to pay \$30 reinstatement fee

# SCIENCE

## NAPERVILLE SCHOOL DISTRICT SCIENCE PHILOSOPHY

Science is a comprehensive process by which we continually refine our understanding of the universe. Scientific literacy enables us to make informed, responsible decisions that affect our daily lives.

District 203 will provide an inquiry and standards based comprehensive curriculum in life science, earth and space science, and physical science. An integral part of this curriculum is to promote an understanding of the interconnections within the sciences and the interactions among science, technology, and the environment.

Instruction in every science classroom will model and provide opportunities for students to participate in scientific inquiry as they experience the wonders of science. A rich variety of cognitively appropriate strategies and resources will be utilized so that all students will have opportunities to experience both success and challenge.

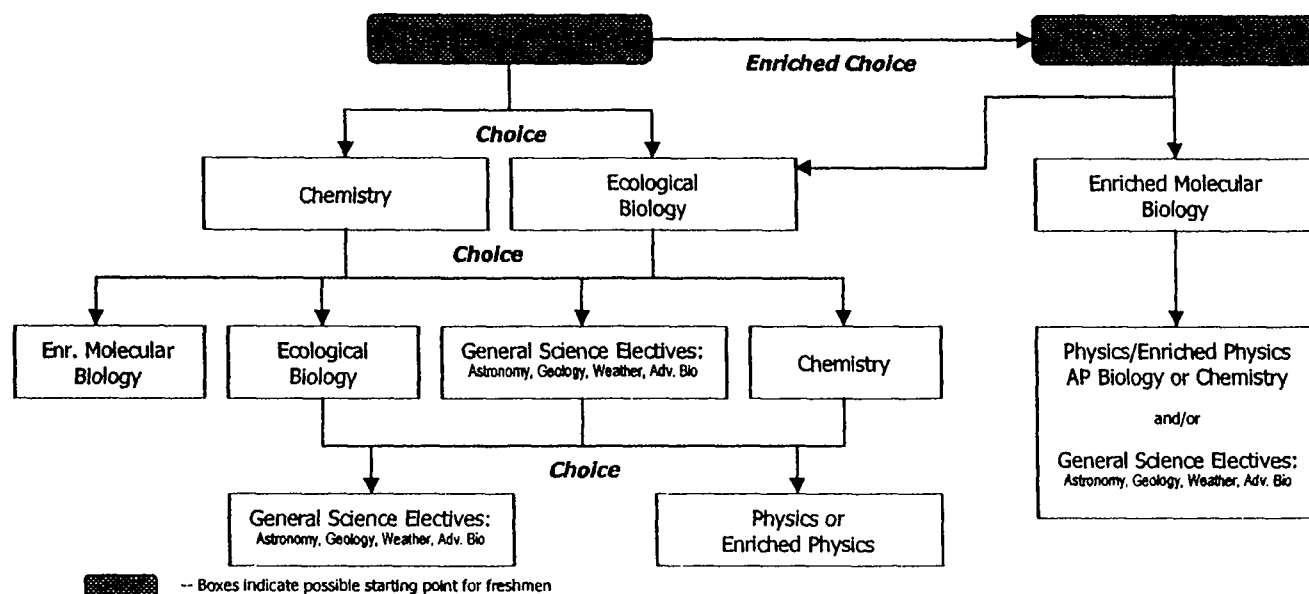
Using inquiry implies involvement that leads to understanding. The environment in every science classroom will have students actively constructing knowledge by being engaged in observing, questioning, investigating, problem solving, predicting, evaluating, and communicating ideas.

As a result of this curriculum, instruction and environment, District 203 will graduate scientifically literate students who ask and investigate scientific questions, evaluate claims and evidence, and make responsible decisions in a rapidly changing world.

## SCIENCE COURSE OFFERINGS

Subject	Open to Grades	Prerequisites
<b>Freshman Year:</b>		
Dynamic Earth Systems	9	None
Enriched Chemistry	9	8th Grade teacher recommendation and departmental approval. Algebra I and concurrent enrollment in Geometry
<b>Sophomore Year:</b>		
Chemistry	10, 11, 12	DES
Enriched Chemistry	10, 11, 12	DES, Algebra I
Ecological Biology	10, 11, 12	DES
Enriched Molecular Biology	10, 11, 12	Chemistry or Enriched Chemistry
<b>Junior and Senior Year:</b>		
Weather and Environment (First Semester Only)	11, 12	Two years of High School science
Astronomy (Second Semester Only)	9, 10, 11, 12	Two years of High School science
Physical Geology (Second Semester Only)	11, 12	Two years of High School science
Advanced Biology	11, 12	Successful completion of Biology and Chemistry
(Advanced Biology is offered both semesters, student placement will be determined after registration)		
Physics	11, 12	Geometry, and two years of High School science
Enriched Physics	11, 12	Co-requisite: Pre-Calculus
Advanced Physics (Second Semester Only)	12	Enriched Physics or concurrent Enrollment
Research and Design	11, 12	Two years of high school science and completion of Algebra 2. Credit may be given in <i>either</i> Science or Applied Science.
AP Chemistry	11, 12	Chemistry or Enriched Chemistry
AP Biology	11, 12	Enriched Chemistry or Chemistry and Enriched Molecular Biology or Ecological Biology
Science Independent Study	10, 11, 12	Department Consent

## SCIENCE COURSE SEQUENCE



### FRESHMAN RECOMMENDED SELECTIONS

#### 314110 - 314111

#### DYNAMIC EARTH SYSTEMS

A process approach laboratory science course in which students collect and interpret real-time data to study major earth and space systems. Students will develop laboratory skills in classifying earth materials, and analyzing forces influencing earth and space. Specific topics include geology, plate tectonics, meteorology, oceanography, earth history, astronomy, and current environmental issues. This laboratory-oriented course prepares students for further coursework in biology, chemistry, physics and advanced earth science courses.

Level: 9,10, 11,12  
Prerequisites: None

Semesters: 2

Credit: 1  
Lab Fee Required

#### 314302 - 314203

#### ENRICHED CHEMISTRY

Enriched Chemistry will challenge students at a rigorous pace to deal with the composition and change of matter that constitutes man and the environment. The text and laboratory experiments provide ideas, observations, and measurements, which lead to a logical development of basic chemical and physical principles.

Level: 9, 10, 11, 12  
Credit: 1 (Weighted)

Semesters: 2

Prerequisite: 9th grade will need 8th grade teacher recommendation, departmental approval, Algebra I and concurrent enrollment in Geometry  
Lab Fee Required

### SOPHMORE RECOMMENDED SELECTIONS:

#### 314200 - 314201

#### ECOLOGICAL BIOLOGY

Ecological Biology is a laboratory course that investigates the interconnections of life using an environmental approach. Scientific inquiry engages students in the study of the interdependence of organisms, energy flow, the cell, heredity, how ecosystems affect species over time, and the relationships between structure and function of living systems.

Level: 10, 11, 12  
Credit: 1

Semesters: 2

Prerequisite: Dynamic Earth Systems

Lab Fee Required

### SOPHMORE RECOMMENDED SELECTIONS (CONT)

#### 314202 - 314203

#### ENRICHED MOLECULAR BIOLOGY

Enriched Molecular Biology is a laboratory course that investigates the interconnections of life using a biochemical approach. Scientific inquiry engages students in the study of the interdependence of organisms, energy flow, the cell, heredity, how species change over time, and the relationships between structure and function of living systems.

Level: 10, 11, 12

Semesters: 2

Credit: 1 (Weighted)

Prerequisite: Enriched Chemistry, Chemistry or Departmental Approval.  
Lab Fee Required

#### 314300 - 314301

#### CHEMISTRY

Chemistry is an inquiry based course that examines matter and the changes it undergoes. Experiments and activities are used to introduce concepts including the structure of atoms and chemical compounds, the relationships among the elements on the periodic table, chemical and physical transformations, and the measurement and calculation of chemical quantities. Students who complete this course will develop an understanding of the interconnections among the sciences, technology, society, and the environment.

Level: 10, 11, 12

Semesters: 2

Credit: 1

Prerequisite: Dynamic Earth Systems and Algebra 1

Lab Fee Required

#### 314302 - 304303

#### ENRICHED CHEMISTRY

Enriched Chemistry will challenge students at a rigorous pace to deal with the composition and change of matter that constitutes man and the environment. The text and laboratory experiments provide ideas, observations, and measurements, which lead to a logical development of basic chemical and physical principles.

Level: 10, 11, 12

Semesters: 2

Credit: 1 (Weighted)

Prerequisite: Dynamic Earth Systems and teacher recommendation, Algebra I and concurrent enrollment in Geometry.

Lab Fee Required

## JUNIOR/SENIOR RECOMMENDED SELECTIONS:

### 314300 - 314301

#### CHEMISTRY

Chemistry is an inquiry based course that examines matter and the changes it undergoes. Experiments and activities are used to introduce concepts including the structure of atoms and chemical compounds, the relationships among the elements on the periodic table, chemical and physical transformations, and the measurement and calculation of chemical quantities. Students who complete this course will develop an understanding of the interconnections among the sciences, technology, society, and the environment.

Level: 10, 11, 12

Semesters: 2

Credit: 1

Prerequisite: Dynamic Earth Systems and Algebra 1

Lab Fee Required

### 314200 - 314201

#### ECOLOGICAL BIOLOGY

Ecological Biology is a laboratory course that investigates the interconnections of life using an environmental approach. Scientific inquiry engages students in the study of the interdependence of organisms, energy flow, the cell, heredity, how ecosystems affect species over time, and the relationships between structure and function of living systems.

Level: 10, 11, 12

Semesters: 2

Credit: 1

Prerequisite: Dynamic Earth Systems

Lab Fee Required

### 314202 - 314203

#### ENRICHED MOLECULAR BIOLOGY

Enriched Molecular Biology is a laboratory course that investigates the interconnections of life using a biochemical approach. Scientific inquiry engages students in the study of the interdependence of organisms, energy flow, the cell, heredity, how species change over time, and the relationships between structure and function of living systems.

Level: 10, 11, 12

Semesters: 2

Credit: 1 (Weighted)

Prerequisite: Enriched Chemistry, Chemistry or Departmental Approval.

Lab Fee Required

## GENERAL SCIENCE ELECTIVES:

Advanced Biology, Advanced Chemistry, Astronomy, Geology, Research and Design, Weather and Environment. See separate course descriptions on the following pages.

Prerequisite: 2 years of science.

## PHYSICS/ENRICHED PHYSICS:

Physics will seek practical applications of physical principles such as motion, force, electricity and magnetism, light and sound. See separate course descriptions on the following pages.

Prerequisite: 2 years of science.

## AP BIOLOGY/AP CHEMISTRY:

College placement courses of which students can earn up to one year of college credit. See separate course descriptions on the following pages.

Prerequisite: Enriched Chemistry and/or Enriched Biology or Departmental Approval

### 314398 - 314399

#### PHYSICS

An elementary course in Physics provides training in laboratory observations and opportunity to seek practical application of physical principles involved in the study of such concepts as motion, force, electricity and magnetism, light and sound.

Level: 11,12

Semesters: 2

Credit: 1

Prerequisite: Geometry, two years of high school science credit or departmental recommendation.

Co-requisite: Advanced Algebra.

Lab Fee Required

### 314410 - 314411

#### ENRICHED PHYSICS

This course introduces the topics of Physics plus rotational dynamics. The treatment of these topics will be more in depth conceptually and mathematically. This course is recommended for students planning a career in science or engineering and for those with a special interest or aptitude for physics.

Level: 11,12

Semesters: 2

Credit: 1 (Weighted)

Prerequisite: Two years of high school science credit or Departmental Recommendation.

Co-requisite: Pre-Calculus

Lab Fee Required

### 314551

#### ADVANCED PHYSICS

A one-semester course, which is a continuation of the Enriched Physics course. It includes further study in electromagnetism and the following new topics: fluids, heat, thermodynamics, relativity, quantum mechanics, semiconductors, elementary particles. Highly recommended for students wishing to major in science and/or engineering. May be taken concurrently with Enriched Physics (314402-314403) with special permission.

Level: 12

Semesters: 1

Credit 1/2 (Weighted)

Prerequisite: Chemistry, Enriched Physics and Advanced Algebra.

Co-requisite: Pre Calculus.

Lab Fee Required

### 314530 , 314531

#### ADVANCED BIOLOGY

This is a one-semester laboratory oriented program. The subject matter will deal with current biology topics. This course is designed to be challenging and to meet the needs of college-bound students who anticipate careers in biology and related fields.

Level: 11,12

Semesters: 1

Credit: 1/2 (Weighted)

Offered both Semesters. Placement will be determined by department

Prerequisites: Biology and Chemistry.

Lab Fee Required

Lab Fee Required

### 314534 - 314535

#### ADVANCED PLACEMENT BIOLOGY

This laboratory course will concentrate on current major themes in biology including cell, plant, and animal physiology; photosynthesis and respiration; and genetic engineering. The advanced placement biology curriculum is equivalent to a first-year college biology course for majors and is designed to prepare students for a successful college experience in the life sciences. This course allows students to take the Advanced Placement Exam, which allows students to earn up to one year of college credit.

Level: 11,12

Semesters: 2

Credit 1 (Weighted)

Prerequisites: Enriched Chemistry or Chemistry and Enriched Molecular Biology or Ecological Biology.

Lab Fee required

### 314544 - 314545

#### ADVANCED PLACEMENT CHEMISTRY

A discussion or informal lecture approach will be used with emphasis on laboratory experiments and problem solving. The subject matter will include topics in inorganic, physical and organic chemistry. This course prepares students to take the Advanced Placement Exam, in which students can earn up to one year of college credit.

Level: 11,12

Semesters: 2

Credit: 1(Weighted)

Prerequisite: Chemistry or Enriched Chemistry.

Lab Fee Required

**314510****WEATHER AND ENVIRONMENT**

This advanced level course is designed for students with a possible career interest in meteorology and environmental science. It is a labor-oriented course designed to develop a working knowledge in these fields with opportunities for research and presentations of related topics. Topics studied will include: the water cycle and water management, weather and climatic factors and forecasting, energy and natural resources, and environmental concerns.

Level: 11,12

Semesters: 1 )

Credit: 1/2

Prerequisite: Two years of high school science credit. There is an additional fee for all school field trips.

Lab Fee Required

Offered 1st semester only

**314513****PHYSICAL GEOLOGY**

This advanced level course is designed for students with a possible career interest in several fields of geology. It is a lab-oriented course designed to develop a working knowledge in these fields with opportunities for research and presentations of related topics. Topics studied will include: formation and characteristics of rocks and minerals, mapping and remote sensing, fossils and geologic time, geologic interpretation, environmental geology, and geologic and glacial features of the area.

Level: 11,12

Semesters: 1y)

Credit: 1/2

Prerequisite: Two years of high school science credit. There is an additional fee for all school field trips.

Lab Fee Required

Offered 2nd semester only

**314521****ASTRONOMY**

The course reviews the night sky, the nature of light, telescopes, the solar system, stellar evolution, black holes, relativity, life in the universe, and the U.S. space program. Students should plan on a field trip and some night observations.

Level: 10,11,12

Semester: 1

Credit: 1/2

Prerequisite: "C" average or better in Algebra I.

Lab Fee Required

Offered 2nd semester only

**314250 - 314251****RESEARCH AND DESIGN**

Research and Design is a course for the student who wants to explore engineering as a career. This course is project based. The student will learn the physics of how simple machines work through a series of hands on activities and projects. Problem solving is utilized to overcome the problems of design, development, production, and the testing of a product. Topics covered are from both applied technology and science, which could include but not limited to: robotics, pneumatics, hydraulics, computer drafting, computer controlled machining, optics, mechanical, electricity and magnetism. Students will work in design teams and present their achievements to the class in various competitions.

Level: 11, 12

Semesters: 2

Credit: 1

Prerequisites: Two years of science and completion of Algebra 2.

Lab Fee Required

**314590 - 314591****SCIENCE INDEPENDENT STUDY**

Students should contact a teacher in the subject area of interest and the Instructional Coordinator for further information.

Level: 11,12 Semesters: 1 or 2 Credit: 1/2 o



# SOCIAL SCIENCE

The first goal of the social science program is to help students achieve the understandings and skills needed for effective and responsible citizenship. The Social Science Department offers an extensive and flexible program to meet a wide range of student interests and educational goals.

Two and one-half credits are required for graduation. The following courses are necessary for all students to meet the graduation requirement:

- One credit in U.S. History
- One-half credit in government

Three credits of social science are either required or recommended for admission into Illinois public colleges and universities with an emphasis on history and government. A comprehensive program in social science should also include at least one elective from the social sciences: economics, psychology, sociology, or international relations.

## SOCIAL SCIENCE COURSE OFFERINGS

	Grade	Difficulty	Prerequisite
I. One credit is recommended from the following courses during the 9th or 10th grade:			
Cultures of the World 1 & 2	9, 10	2-5	None
Cultures of the World-Skills 1 & 2	9, 10	1	Placement
World History I: The Ancient World	9, 10, 11, 12	3-5	None
World History II: The Medieval World	9, 10, 11, 12	3-5	None
World History III: The Modern World	10, 11, 12	3-5	None
World History IV: The 20th Century	10, 11, 12	3-5	None
II. One-half credit is required from the following courses:			
American Government	10, 11, 12	1-4	None
Advanced Placement American Government	10, 11, 12	5	One credit Social Studies with a 3.0 GPA overall and Instructor and/or Departmental Coordinator approval.
III. One credit is required from the following courses:			
United States History	11, 12	2-5	None
American Studies	11	2-5	None
Advanced Placement U.S. History	11, 12	5	One credit Social Studies with a 3.0 grade and 3.5 overall GPA
U.S. History-Skills 1 & 2	11, 12	1	Placement
IV. A minimum of one-half credit is recommended from the following elective courses:			
Comparative Religions	10, 11, 12	2-5	None
Minorities in American Society	10, 11, 12	2-5	None
Cultural Anthropology	10, 11, 12	2-5	None
Advance Placement Macroeconomics	11, 12	4-5	3.5 overall GPA or teacher recommendation
Advanced Placement Microeconomics	11, 12	4-5	3.5 overall GPA or teacher recommendation
Advanced Placement European History	11, 12	5	3.5 GPA in Social Studies, 3.0 overall GPA, and Enriched English or teacher recommendation
Advanced Placement Psychology	11, 12	4-5	Introduction to Psychology
Economics: Money, Wealth & Investing	10, 11, 12	2-5	None
American Problems and the Law	11, 12	1-5	None
Introduction to Psychology	11, 12	3-5	None
Sociology	11, 12	3-5	None
Special Topics: U.S.			
Urban History: History of Chicago	11, 12	4-5	One credit in Social Studies with a 3.0 grade and 3.0 overall GPA
The Supreme Court	11, 12	4-5	Government, U.S. History, 3.0 overall GPA or teacher recommendation
Special Topics: World			
International Relations	10, 11, 12	4-5	One credit in Social Studies with a 3.0 grade and 3.0 overall GPA or teacher recommendation
World Military History	11, 12	4-5	One credit in Social Studies with a 3.0 grade and 3.0 overall GPA
State and Local Politics	10, 11, 12	3-5	or teacher recommendation

Courses have indication of difficulty level from lowest (1) to highest (5).

For example, a 3-5 course is designed for approximately the upper sixty percent of the class.

## SOCIAL STUDIES COURSE SEQUENCE

One credit recommended from the following group of courses:	One half credit required from the following group of courses:	One credit required from the following group of courses:	One half credit recommended from the following group of courses:
Cultures of the World 1 and 2 Cultures of the World Skills 1 and 2 World History I: The Ancient World World History II: The Medieval World World History III: The Modern World World History IV: The 20th Century	American Government AP American Government	United States History American Studies A.P. United States History United States History Skills 1 and 2	See Group IV on previous page

## SOCIAL SCIENCE COURSES

### 316120 - 316121 CULTURES OF THE WORLD SKILLS 1 AND 2

What makes a culture? Students will address this question in various ways throughout the course of the year. This study of the cultures and geography of the world emphasizes the understanding needed to be a responsible citizen in today's world. This course also stresses the fundamental development of study and reading skills to promote success in and out of the classroom. Student placement in this class is only by recommendation of staff. Cultures 2 should be taken upon successful completion of Cultures 1.

Level: 9,10 Semesters: 2 Credit: 1  
Prerequisite: Placement by recommendation of staff  
Course Fee Required

### 316122 - 316123 CULTURES OF THE WORLD 1 AND 2

What makes a culture? This fundamental question will direct the course of study throughout the year. Cultures is the study of how diverse cultural groups affect and use their geographical environment and resources with an emphasis on the physical, social, political and economic structures of each culture. Traditional and modern values and beliefs are focused upon as well. This class stresses the development of academic skills along with knowledge of the cultures of the various regions of the world. Cultures 1 is recommended to be taken before Cultures 2 because of skills and concepts developed in Cultures 1.

Level: 9,10 Semesters: 2 Credit: 1  
Prerequisite: None  
Course Fee Required

### 316150 WORLD HISTORY I: THE ANCIENT WORLD

How and why does civilization develop? Students will address this fundamental question throughout the semester. Ancient History is recommended to students who are interested in man's transition from prehistoric times through the dawn of civilization to the collapse of Roman Empire. An analysis of man's political, economic, social, spiritual, and intellectual development through the centuries will provide a foundation for critical understanding and appreciation of the inherent values of both Western and Eastern Civilizations and their impact upon the modern world.

Level: 9,10,11,12 Semester: 1 Credit: 1/2  
Prerequisite: None

### 316155 WORLD HISTORY II: THE MEDIEVAL WORLD

How and why does civilization develop? Students will address this fundamental question throughout the semester. The roots of the modern world are very evident in medieval history and provide the student with a richer appreciation and understanding of the world. Feudalism, the church, nation-making, the Renaissance and the Reformation provide the basis of man's major activity and progress during the time between the ancient and the modern world.

Level: 9,10,11,12 Semester: 1 Credit: 1/2  
Prerequisite: None

### 316158 WORLD HISTORY III: THE MODERN WORLD

What constitutes change in the modern world? Students will concentrate on this question throughout the semester. Ideas such as nationalism, liberalism, and socialism will be used to examine the historical development of Western Civilization from the sixteenth through the nineteenth centuries. Some historical highlights will be the Golden Age of Spain, the growth of constitutionalism in England, the French Revolution, the unification of Germany and Italy and the impact of industrialism, the Enlightenment and the "Romantic" movement upon history.

Level: 10,11,12 Semesters: 1 Credit: 1/2  
Prerequisite: None

### 316163 WORLD HISTORY IV: THE 20TH CENTURY

To what extent has change constituted progress in the 20th-century? This question will be examined and emphasized throughout the year. This course examines on a world-wide basis the varying trends and movement from the pre-World War I period to the present. The course emphasizes world history with a strong European component and is designed as a continuation of Modern History. The ultimate purpose of the course is to help develop an understanding of the complexity of issues involved in our unfolding world situation.

Level: 10,11,12 Semesters: 1 Credit: 1/2  
Prerequisite: None

### 316240 - 316241 ADVANCED PLACEMENT U.S. HISTORY

What is an American? This fundamental question will drive the focus of the course throughout the year. The pace, diversity of resources and complexity of materials are the equivalent of an introductory college course. The grade in this class is weighted. The readings, writing assignments and exams are also selected to help students prepare for the optional Advanced Placement Examination in U.S. History. Successful performance on this test could qualify one for college credit.

Level: 11,12 Semesters: 2 Credit: 1 (Weighted)  
Prerequisite: 1 credit (2 semesters) in Social Studies, 3.0 grade point average (overall), or the recommendation of the Humanities Department Instructional Coordinator.  
Course Fee Required

### 316200 - 316201 UNITED STATES HISTORY SKILLS

What is an American? Students will deepen their understanding of this fundamental question throughout the school year. Emphasis on United States History - Skills is on meeting individual needs of the students and developing skills as they relate to the study of U.S. History. Students are placed in the U.S. History -Skills program through recommendation of staff only. The class addresses the same guiding questions as the other levels of U.S. History.

Level: 11,12 Semesters: 2 Credit: 1  
Prerequisite: Placement by recommendation of staff or Humanities Department Instructional Coordinator

**316180 - 316181****UNITED STATES HISTORY**

What is an American? This fundamental question will be addressed in a two-semester course with students examining the political, economic, social and foreign policy issues of the United States through the lenses of major themes. The study of each theme will emphasize the choices and decisions of the past so the student will be able to confront today's problems and choices with a deeper awareness of alternatives and consequences. Students will be challenged to develop critical thinking, communication and craftsmanship skills throughout the year.

Level: 11,12

Semesters: 2

Credit: 1

**316232 - 316233****AMERICAN STUDIES**

What is an American? This is a two semester, interdisciplinary course which traces the development of major American literary movements and places them within the context of United States History. This course is organized around themes and essential questions, allowing students to gain a deeper understanding of important literary and historical issues. Students will examine the changing role of the individual while tracing the development of American ideals and institutions. A combination of individual and team assignments will challenge students to address the course question. The class will be taught in a two-hour block and meets the requirements for American Literature (Communication Arts) and United States History (Social Sciences.) Students will receive one grade for the class; however, it will count as a double grade.

Level: 11

Semesters: 2

Credit: 2

Prerequisite: Written or Print Communication and Speech Communication

**316170 - 316171****ADVANCED PLACEMENT:  
EUROPEAN HISTORY**

What constitutes change in the modern world? To what extent has change constituted progress in the 20th-century? This course is designed around these two essential questions and is intended to be equivalent to an introductory college level course for which a student earns a weighted grade. The program is designed to prepare students for the Advanced Placement Examination in European History. Successful performance on this optional test could qualify one for college credit. This course surveys the history of Europe from the Renaissance to the present. The focus is on political, social, diplomatic, economic and scientific history. Students should have a strong interest in the subject and a strong aptitude in history.

Level: 11,12

Semesters: 2

Credit: 1(Weighted)

Prerequisite: 3.5 GPA in Social Sciences, 3.0 overall GPA, and enriched English or recommendation of both English and Social Studies teachers.

**316242****SPECIAL TOPICS: WORLD  
INTERNATIONAL RELATIONS**

This course examines the political, economic, and cultural factors influencing foreign affairs in the United States and the world. The course not only explains the process of the development of foreign policy, but also examines the role of ideology, religion, war, economics, and the political environment in shaping a nation's foreign policy. A heavy emphasis will be given to how these factors affect current U.S. and world issues.

Level: 10,11,12

Semesters: 1

Credit: 1/2 (Weighted)

Prerequisite: 1 credit in Social Studies with a 3.0 GPA overall and in Social Studies or teacher approval.

**316235****SPECIAL TOPICS: U.S.  
THE SUPREME COURT  
SOCIAL POLITICAL AND LEGAL IMPACTS**

This course examines the foundations and institutions of the American legal system by focusing on an overview of landmark US Supreme Court cases from the nation's inception to the most current cases of the Warren, Burger and Rehnquist courts. Discussions, moot courts, role playing and guest speakers are an integral part of this course and will be used by students to explore the Court's decisions in such areas as Civil Rights, Privacy, Defendant Rights and Affirmative Action.

Level: 11,12

Semesters: 1

Credit: 1/2 (Weighted)

Prerequisite: 1/2 credit in Government and 1 credit in U.S. History and 3.0 overall GPA or teacher approval.

**316245****SPECIAL TOPICS: WORLD  
MILITARY HISTORY  
FROM THE ANCIENT TO THE MODERN WORLD**

This is a world history course organized around the central theme of armed conflict. The course traces the history of warfare from its roots in the ancient world to modern campaigns such as Desert Storm and anti-terrorist operations. Students may study the conduct and impact of war on both the individual and on culture. Important developments in military theory and practice are traced from the Greek Phalanx to Nuclear Strategy with emphasis on particularly significant battles and commanders. Ultimately, the course attempts to bring students into a consideration of the moral questions inevitably raised by violent conflict and the socio-political costs associated with the conduct of war. This course involves a significant amount of reading. Several book report/papers are required and a semester project will be assigned.

Level: 11,12

Semesters: 1

Credit: 1/2 (Weighted)

Prerequisite: One credit in Social Studies with a 3.0 GPA or teacher approval

**316246****SPECIAL TOPICS: U.S.  
URBAN HISTORY: HISTORY OF CHICAGO**

This course introduces students to the cultural, geographic, economic, political and social history of Chicago. Students will understand the role of the preceding elements in the formation and development of the Chicago metropolitan area and how they relate to the development of the country as a whole. Field trips to the city will provide students with a first hand experience to many of the elements that are studied in the classroom

Level: 11, 12

Semesters: 1

Credit: 1/2 (Weighted)

Prerequisite: One credit in Social Studies with a 3.0 GPA or teacher approval

**316300****STATE AND LOCAL POLITICS**

This course examines the principles and powers of state and local governments. The course is intended to provide the student with a framework to understanding how state, township, county and municipal governments work, the decision-making process and the impact of those decisions on citizens. The course will also provide strategies for influencing governmental behavior through political action. Practical politics is stressed through assigned readings, guest speakers and visits to governmental agencies. This course meets the American Government graduation requirement.

Level: 10,11,12

Semesters: 1

Credit: 1/2

Prerequisite: None

**316312, 316313****AMERICAN GOVERNMENT**

This course emphasizes the study of American political behavior at the federal and national level of government. This course does not simply look at the institutions of the federal government but also examines the parties' issues, candidates and power-pressure groups and their roles in American politics at the national level. This course satisfies the government requirement.

Level: 10,11,12

Semesters: 1

Credit: 1/2

Prerequisite: None

**316315****ADVANCED PLACEMENT:  
AMERICAN GOVERNMENT**

*What Is An American Citizen?* This course is intended to be equivalent to an introductory college-level course for which a student earns a weighted grade. The class will focus on the fundamental nature of our federal system, which will assist students who are preparing for the Advanced Placement Examination in American Government. Students should have a strong interest in politics and government and a willingness to study. A small fee will be collected for a student subscription to a current periodical. This course satisfies the American Government graduation requirement.

Level: 10,11,12

Semesters: 1

Credit: 1/2 (Weighted)

Prerequisite: Instructor and Department Coordinator approval: "B" average overall and one previous credit in Social Studies.

**316318 , 316319****THE ECONOMICS OF WEALTH AND INVESTING**

This course is highly recommended for those students who have a curiosity about wealth and how it is accumulated and distributed through the American economic system. Emphasis is placed on an examination and explanation of current trends and conditions, including financial securities and the stock market. Investment analysis is covered through the topics of supply and demand, scarcity, production, free-market trade, global economics, competition, and comparative systems. An investment simulation is an integral part of the course. Possible field trips may include the Chicago Board of Trade and the Federal Reserve Bank as practical examples to concepts presented in class.

**Level: 10,11,12****Semesters: 1****Credit: 1/2****Prerequisite: None****316324****ADVANCED PLACEMENT ECONOMICS: MACROECONOMICS**

This course places particular emphasis on the study of national income and price determination, and it also develops students' familiarity with economic performance measures, economic growth, and international economics. Successful performance on this optional test could qualify one for college credit (dependent upon the student's performance and the college).

**Level: 11,12****Semesters: 1****Credit: 1/2 (Weighted)****Prerequisite: 3.0 overall GPA or teacher approval****316325****ADVANCED PLACEMENT ECONOMICS: MICROECONOMICS**

The purpose of this course is to give students an understanding of the principle of economics that apply to the functions of individual economic factors within the larger economic system. It places primary emphasis on the nature and functions of individual firms in the product markets. It will include the study of factor markets, profit motivation and the role of government in the business world. Successful performance on this optional test could qualify one for college credit (dependent upon the student's performance and the college).

**Level: 11,12****Semesters: 1****Credit: 1/2 (Weighted)****Prerequisite: Overall GPA or 3.0 or better or teacher approval. Macro economics is recommended, but not required.****316330 , 316331****AMERICAN PROBLEMS AND LAW**

Contemporary social problems (i.e. gun violence, freedom of expression, abortion, poverty and wealth, prisons, capital punishment, etc.) will be examined from a number of perspectives. What is/should be the governmental (Federal, State, local) response, the collective societal response and the individual response to these critical issues. The class structure will involve significant research, discussion, debate, and analysis of public policy. Individual responsibility and a citizen's role in a democracy will be emphasized.

**Level: 11,12****Semesters: 1****Credit: 1/2****Prerequisite: None****Course Fee Required****316340 , 316341****MINORITIES IN AMERICAN SOCIETY**

Minorities in American Society provides the student with the opportunity to study and examine the background and problems of both ethnic and gender issues, such as African-Americans, Asian-Americans, Hispanic-Americans, Native Americans and women's rights. This course will provide students with a valuable perspective for their studies in the Social Sciences.

**Level: 10, 11, 12****Semesters: 1****Credit: 1/2****Prerequisite: None****316351****SOCIOLOGY**

This course is for the student who is interested in how society works and the roles individuals take in social behavior. The approach is scientific, contemporary, and discussion oriented. The student will use experiments, research, field trips, and critical discussions with reference to topics like the family, education, crime, population, religion, and the future.

**Level: 11,12****Semesters: 1****Credit: 1/2****Prerequisite: None****316360 , 316361****INTRODUCTION TO PSYCHOLOGY**

What determines behavior? Students will spend the semester engaged in answering this fundamental question. Emphasis will be placed upon the personality and its development. The intent of the class is to understand various methods and approaches used in psychology as they are applied to topics like parapsychology, emotions, intelligence, mental illness and personality. The class is taught with practical application and college preparatory objectives as guidelines. Students have an option of doing community volunteer service or a research project as part of the semester grade.

**Level: 11,12****Semesters: 1****Credit: 1/2****Prerequisite: None****316365****ADVANCED PLACEMENT PSYCHOLOGY**

What determines behavior? This course continues the study of this essential question established during Introduction Psychology. This course is open to all levels of students who have passed Introduction to Psychology. This course, combined with the introductory class, will prepare the student to take the optional Advanced Placement exam in May. The class will continue to broaden the student's understanding of the depth of psychology by introducing new topics like social psychology, developmental psychology, and treatments for dysfunctional behaviors and states of consciousness. The Course will continue to allow the student to pursue special interests in psychology through projects, activities and other classroom presentations. The emphasis of this class is upon the neuro-biological aspects of behavior, i.e. genetics, hormones, brain chemistry and body chemistry. The focus of this class is to provide a more thorough and scientific understanding of the broad and varied elements of behavior.

**Level: 11, 12****Semesters: 1****Credit: 1/2 (Weighted)****Prerequisite: Introduction to Psychology****316370****COMPARATIVE RELIGIONS**

Comparative Religions is an attempt to examine man's search for answers to the questions: Who am I and what is my purpose on this earth? Such complex questions give rise to a great diversity of beliefs, rituals, and ethics. This course will be an attempt to describe the world's great religions, gain a sympathetic understanding of the problems and joys of believers, and the contribution of religion to world cultures. Academic objectivity will be stressed; therefore, a student's professed belief or non-belief in a religion will not be a factor of success in this course.

**Level: 10,11,12****Semesters: 1****Credit: 1/2****Prerequisite: None****316381****CULTURAL ANTHROPOLOGY**

Cultural Anthropology is designed to give the student a comparative look at human behavior. This course will offer an examination of the many different customs throughout the world, seeking to explain their origin and development; weighing their likenesses and contrasts. Students will study problems, values, premises, and goals which make a given culture a rounded way of life. They will also study the relationship between the culture of the group and the personality of the individual. In essence, anthropology will try to analyze the processes by which customs persist or change.

**Level: 10,11,12****Semesters: 1****Credit: 1/2****Prerequisite: None****316420 , 316421****SOCIAL STUDIES INDEPENDENT STUDY**

Prior approval is necessary from the sponsoring staff member and counselor. Application forms are available in the Guidance Office. Contract must be worked out with sponsoring teacher prior to the beginning or each semester.

**Level: 11,12****Semesters: 1****Credit: 1/2 or 1**

# SPECIAL EDUCATION

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Placement in a special education program or special education course is made by a determination of disability at a Multi-Disciplinary Conference (MDC) which is held every three years and at an Individualized Education Program (IEP) meeting, which is held at least annually. Courses are designed to meet the educational needs of each student as identified on the IEP.

There are six programs within the Special Education Department:

**Resource** is for students identified as having a specific learning disability in the area of reading, arithmetic, or written expression and who are capable of receiving instruction in general education classes. Resource services may also be provided for students with behavioral or emotional disorders if needed. The focus of the program is to provide, for a pre-determined number of minutes per week, organizational, study skills and academic strategy supports to compensate for academic weaknesses. Resource teachers are in frequent contact with general education classroom teachers regarding student progress and provide consultation services. We encourage students to self-advocate and to be aware of their own strengths, weaknesses, and special accommodations necessary for their success beyond secondary school.

**The Instructional Program** is for students with a significant specific learning disability or a mild impairment of cognitive functioning. Special classes are offered in the major core curricular areas which offer a functional curriculum in order to prepare students for the world of work, daily living, and if appropriate, post secondary education. Students within the program are encouraged to take classes in general education as is appropriate for their educational needs and with resource support provided.

**The Behavior Disorder Instructional Program** provides services to students with behavioral and/or emotional disabilities (which meet the federal and state criteria). Special classes are offered which parallel the general education curriculum yet are modified if needed to meet individual student needs. Students are encouraged to take classes in general education as is appropriate to meet their educational needs and with resource support provided. A behavioral level system provides the framework, whereby students achieve academic and behavioral expectations. Students receive ongoing counseling and support with the goal of increased self-esteem and academic success.

**The Multi-Needs Program (MN)** provides services for students up to the age of 18 who have been identified with moderate, severe, or profound disabilities. Special classes are offered which represent the instructional domains of community, domestic, vocational, recreation/leisure, and functional academics. Students within this program often have a number of related services, which are delivered by integrating these services within the curriculum. Students are encouraged to take classes in general education as is appropriate to meet their educational needs. Course content and expectations may need to be modified to accommodate individual abilities and needs.

**The Multi-Needs Transition Program** provides services for student in the 18-21-age range. Programming focuses on transitioning students to adult opportunities in the areas of vocational, community, domestic, and recreation leisure skills. Students will be spending most of their day outside the school setting. Contacts with adult service providers are made in this program and interagency collaboration is encouraged to successfully transition the students to adult life.

All of the programs described previously have a **Vocational Services** component to provide in school classroom and work opportunities as well as community based job training and placement as needed and as appropriate. Students are encouraged to explore the general education Cooperative Education offerings if appropriate. Within Special Education, vocational classes, job placement assistance, and job coaching are provided. Contacts with adult vocational service providers are made, and becoming a client of the Illinois Department of Rehabilitation is encouraged if appropriate.

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## SPECIAL EDUCATION COURSES

### 315002 - 315027

### RESOURCE

This non-credit course provides academic strategy support to compensate for weaknesses. An emphasis on study skill instruction and organizational methods are presented and support services such as tutorial and test supports are provided. Resource time is determined at the IEP Conference.

Level: 9,10,11,12

Semesters: 2

CREDIT: 0

Prerequisites: Placement

Each Resource teacher co-teaches a general education course with a regular education teacher. The descriptions of these courses are found within the appropriate department section of this Program Planning Guide. As there is more than one section of these courses it is important to use the correct section number.

The following may be the co-taught courses:

PATTERNS OF COMM. SKILLS  
WRITTEN COMM. SKILLS  
WORD PROCESSING SKILLS  
KEYBOARDING SKILLS  
INTRO ALGEBRA  
ALGEBRA  
DYNAMIC EARTH SYSTEMS  
BIOLOGY SKILLS  
WORLD CULTURES SKILLS  
U.S. HISTORY SKILLS  
AMERICAN GOVERNMENT  
CONSUMER ED

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## INSTRUCTIONAL PROGRAM

The following courses have been offered within the Instructional Program although not every year. Courses offered each year depend on individual student needs:

### 315300 - 315301 315302 , 315303

### ENGLISH ENGLISH

This full year course emphasizes reading, written expression, and oral expression. Students will read and analyze various literary formats: short stories, poetry, novel, and drama. There will be an emphasis on vocabulary development and reading comprehension skills. Writing fundamentals will be reviewed and subsequent writing will be based upon the study of literary types. Reading strategies, thinking skills, and study skills are taught as a basis for effective writing. Class discussions, small group instruction, and multimedia presentations will be utilized within the courses. Students progress through additional levels of English based upon individual need, success in general education communication arts offerings, credits needed for graduation, and grade level.

Level: 9,10,11,12  
Prerequisite: Placement

Semesters: 2

Credit: 1

### 315330 - 315331

### MATH APPLICATIONS

These full year courses review the basic mathematical functions of addition, subtraction, multiplication, division, percents, decimals, and fractions as they relate to everyday math skills needed in adult life. Topics include measurement, finance, investments, purchasing, and other relevant life skills. There may be a community math component available for those students identified as having that need. Students progress through additional levels of math based upon individual need, success in general education classes, credit needs, and grade level.

Level: 9,10,11,12  
Prerequisite: Placement

Semesters: 2

Credit: 1  
Course Fee Required

### 315324 - 315325

### WORLD CULTURES

This full year course emphasizes understanding the various geographical regions of the world as well as the cultures that exist in those regions. Cultures will be examined with regard to religious, political, economic, and social aspects. Geography will emphasize the use of maps, charts, and technology. Current events both domestically and internationally will be a significant component of the course.

Level: 9,10,11,12  
Prerequisite: Placement

Semesters: 2

Credit: 1

### 315328 - 315329

### U.S. HISTORY

This full year course emphasizes the history of the United States in relation to our major world partners and the relevance of history to events in the present. Major historical figures, the federal and state constitution, and current events will be a component of this course.

Level: 9,10,11,12  
Prerequisite: Placement

Semesters: 2

Credit: 1

### 315310 - 315311

### GENERAL SCIENCE

This full year course emphasizes practical science as it relates to everyday life. The curriculum includes such topics as weather, environment, the physical sciences, as well as life sciences. Presentations will include multimedia and current events.

Level: 9,10,11,12  
Prerequisite: Placement

Semesters: 2

Credit: 1  
Course Fee Required

### 315352 - 315353

### HEALTH EDUCATION

This one semester course is taken in lieu of physical education. This course will cover the following topics: The concept of health, mental/emotional health, substance abuse, human sexuality, and diseases/personal health.

Level: 10,11,12  
Prerequisite: Placement

Semesters: 2

Credit: 1

### 315320 , 315321

### CONTEMPORARY LEGAL ISSUES

This course provides a practical introduction to government and the law. Topics of discussion include criminal and civil law, and individual rights and liberty under the constitution. Discussions, current events, mock trials, and job playing are all part of this course. This course meets the government requirement.

Level: 11,12  
Prerequisite: Placement

Semesters: 1

Credit: 1/2

### 315361

### CONSUMER EDUCATION

Students will study economic systems, use of credit, budgets, savings, investing and banking. Topics also include practical everyday issues such as personal finances and income tax. This course meets the Consumer Education requirement.

Level: 12  
Prerequisite: Placement

Semesters: 1

Credit: 1/2

### 315030 , 315031

### STUDY SKILLS

### 315210 , 315211

### STUDY SKILLS

### 315230 , 315231

### STUDY SKILLS

### 315240 , 315241

### STUDY SKILLS

### 315560 - 315561

### SOCIAL DEVELOPMENT

This full year course emphasizes pro-social behaviors and will include teacher directed instruction, sharing, role playing, community trips, multi-media presentations and guest speakers. This course is team - taught by two separate education teachers.

Level: 9,10  
Prerequisite: Placement

Semesters: 2

Credit: 1

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## MULTI-NEEDS PROGRAM/ TRANSITION

### 315450 - 315451

#### COMMUNITY

The goal of community training is to have students acquire the ability to utilize services in the community either independently or with support. Community training sites include but are not limited to banks, grocery and other retail outlets, postal facilities, etc. Students may repeat the course as needed.

Level: 9,10,11,12

Semesters: 2

Credit: 1

Prerequisite: Placement

### 315452 - 315453

#### DOMESTICS

The goal of domestic education is to have students perform activities of daily living to prepare them for adult life. Skills may include personal grooming, home maintenance, nutrition, and meal preparation.

Level: 9,10,11,12

Semesters: 2

Credit: 1

Prerequisite: Placement

### 315458 - 3154593

#### VOCATIONAL TRAINING

The goal of vocational training is to have students perform jobs in the school and in the community for training purposes and for career exploration. Students are supported in their vocational experiences by a vocational coordinator and job coach if appropriate. The vocational class component includes such topics as job skills, interpersonal skills and relationships, time management, transportation, and communication skills.

Level: 9,10,11,12

Semesters: 2

Credit: 1

Prerequisite: Placement

### 315462 - 315463

#### RECREATION/LEISURE

The goal of recreation/leisure is to have students learn how to make use of their free time as independently as possible utilizing resources in the home and community. Pro-social behaviors and age appropriate activities will be components of the curriculum.

Level: 9,10,11, 12

Semesters: 2

Credit: 1

Prerequisite: Placement

### 315460 - 315461

#### COMMUNICATION ARTS

Students will develop both receptive and expressive communication skills using an appropriate language system to meet their individual needs. Activities such as conversation skills and communicating requests, needs and emotions will be included. Speech/language services will be integrated into the curriculum if appropriate to meet student needs, aid the student to personally study plants in our environment. Career opportunities will be discussed.

Level: 9,10,11,12

Semesters: 2

Credit: 1

Prerequisite: Placement

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## VOCATIONAL SERVICES

### 315412 , 315413

#### S.T.E.P. COOP INTERNSHIP

The Secondary Transitional Experience Program is an internship program designed for students with special needs who will need more vocational support than the regular education internship can provide. The classroom component includes career exploration, career research, match and selection, lifestyle and income, budgeting, finances, problem solving. Interviewing and interpersonal skills needed for the job market will also be taught. The STEP class has an internship component where-by students can earn additional credit for working in the community.

Level: 10,11,12

Semesters: 1

Credit: 1/2 for class

Prerequisite: Placement

1/2 for internship

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## SUCCESS PROGRAM

Courses within the S.U.C.C.E.S.S. Program (Students Using Correct Choices and Essential Social skills in Society.) utilize the curriculum of its regular education counterpart. Sequence, pace, and the quality and type of assignments are varied to meet individual needs. Please refer to the course description within the appropriate department. The following courses have been offered in the SUCCESS Program although not every year. Student needs determine which courses will be offered any given year.

503500	CONSUMER EDUCATION
504100 - 504101	PATT. OF COMMUNICATION
504120 , 504121	WRITTEN COMMUNICATION
504141	SPEECH COMMUNICATION
504412 - 504413	AMERICAN LITERATURE
504264 , 504265	INDEPENDENT LITERATURE
508102 , 508103	ADAPTED P.E.
511110 - 511111	GENERAL MATH
508100 , 508101	HEALTH
511128 - 511129	INTRO TO MATH
511130 - 511131	ALGEBRA
511132 - 511133	APPLIED MATH
514100 - 514101	DYNAMIC EARTH SYSTEMS
514200 - 514201	BIOLOGY
516312 , 516313	AMERICAN GOVERNMENT
515500 , 515501	STUDY HALL
516351	SOCIOLOGY
516200 516201	U.S. HISTORY
508200	CONT HEALTH ISSUES
516360	PSYCHOLOGY
516371	ADULT LIVING

### 515560 - 515561

### SOCIAL DEVELOPMENT

This course covers topics from Health, Psychology, Sociology and Social Development helping students cope with issues in and out of school. Instruction will be provided in conjunction with the behavioral specialist assigned to the program.

Level: 9,10,11,12      Semesters: 2      Credit: 1

Prerequisite: Placement