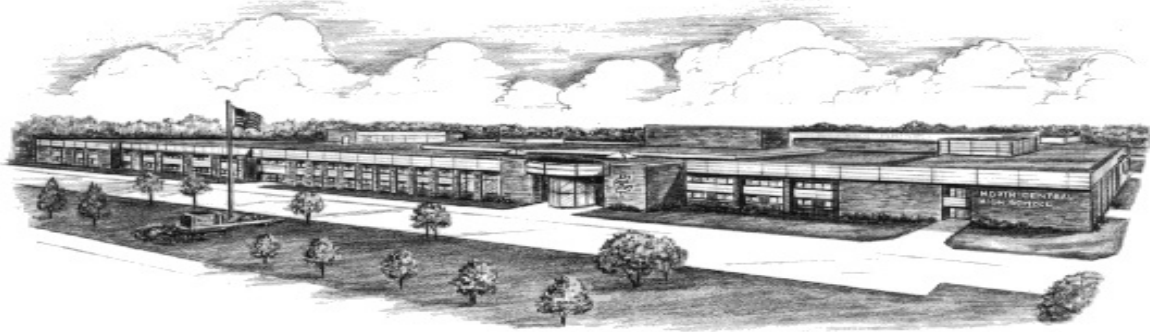




2019-2020
NORTH CENTRAL
COURSE CATALOGUE



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North Central High School Profile

63 Years of Excellence

For more than 63 years, North Central has set the standard for excellence, encompassing 190 acres of land on the northern edge of Indianapolis, with fine facilities for student education. Our students are provided with state of the art technology in science laboratories, world language labs, a multi-media information center, and seventeen computer labs, along with an art gallery, performing and visual arts classrooms, and a 1,500 seat auditorium. North Central also has a lighted athletic complex with three soccer fields, a baseball and softball complex, lacrosse and rugby fields, a complete internal 5 kilometer cross-country course, a football stadium and thirty tennis courts. Inside facilities include two gyms, two wrestling rooms, a natatorium, and workout rooms. Adjacent to North Central is the J. Everett Light Career Center which offers courses in career preparation, several of them for dual credit with local universities.

A four-year comprehensive high school, with an enrollment of 3,728 students from 45 different nationalities, 50 languages and a faculty of 211, North Central provides students with programs that challenge them to achieve their potential. More than one third of the students are enrolled in one or more Advanced Placement classes. *Newsweek* ranked North Central in the top 2.0 percent of all high schools in the United States, and the United States Department of Education identified North Central as one of four United States high schools with the best record for “closing the achievement gap.” Twenty-eight Advanced Placement courses, twelve dual credit courses offered through the Advance College Project with Indiana University, and the International Baccalaureate Diploma Program (begun in 1988) give hundreds of students the opportunity to earn advanced standing in college while they are still in high school.

No other high school in Indiana can match the breadth and richness of North Central’s curriculum, the quality of its instruction, and the opportunities for all students to develop their full potential.

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Last update to this catalogue was Nov. 8, 2018.





Mission Statement

The mission of Washington Township Schools is to develop lifelong learners and globally-minded citizens by fostering the academic, creative, and social skills needed to achieve excellence in a multicultural environment.

**Metropolitan School District of Washington Township
North Central High School
Indianapolis, Indiana**

A Message From Mr. Branigan



As you plan your high school career, you must make a commitment to prepare yourself for a future of opportunities. Some of these opportunities you can anticipate, others you cannot, since new careers are being created every day. The one way you can be ready for what lies ahead tomorrow is to challenge yourself in the classroom today. In your course selections you need to stretch yourself academically, including adding as much academic rigor as you can during your high school career. Take classes that cause you to work diligently, courses that do not let you sit in a comfort zone all year. In order to grow intellectually, you must be confronted with new situations and knowledge.

Use your time wisely and productively. You will want four years of engaging experiences at North Central High School, not one year of the same experiences four times. North Central offers the best academic opportunities to be found anywhere. As you move through your high school journey, you will notice the emphasis that academic preparation receives: the PSAT is given to all freshman, sophomores and juniors; study skills workshops are held continually, incoming ninth graders receive support from a summer offering, PantherQuest, and a Guided Study Hall during their first semester; Advanced Placement test scholarships exist; Advance College Project credits can be earned; the 2.0/5 credit eligibility rule is in place; and full-time tutoring is available in the Learning Center. Plan well and choose wisely. Expect the best of yourself and work to achieve your goals.

Yours in Education,

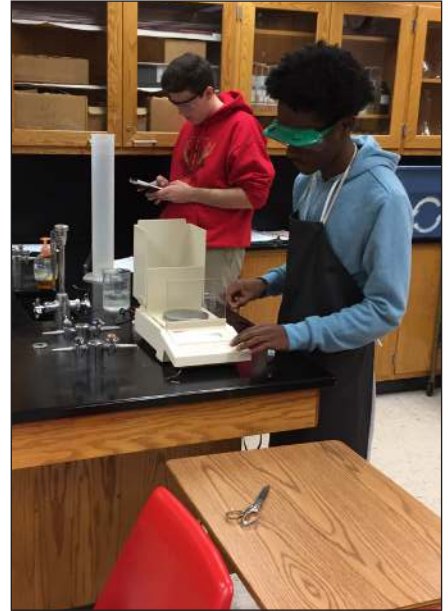
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ACADEMIC PLANNING & GENERAL INFORMATION



General Information

North Central High School offers a rich array of academic and elective courses which, when planned carefully over the four-year period of high school, will qualify a student for at least one of several diplomas offered and will prepare the student for many post-secondary opportunities.

Counselors meet with all students during spring semester to assist in selecting courses for the next school year. It is important for students

to make careful course selections by considering their post high school plans and selecting classes that will fulfill these goals. Making a 4-year plan (at the end of this Course Catalogue) will help students stay guided towards diploma goals.

A confirmation of the courses selected will be provided to students in May for the purpose of checking accuracy; changes in course selections may be made at that time.

MYP Information

Having offered the International Baccalaureate Diploma Program for more than 30 years, the Metropolitan School District of Washington Township has now extended IB to all of its elementary and middle school students. The Middle Years Program (MYP) is designed for all students in grades 6 through 10. Students in grades 9 and 10 at North Central High School will participate in years four and five of the program.

Providing a framework of teaching and learning, the MYP encourages students to become creative, critical and reflective thinkers. The MYP aids students in making connections between what they do in the

classroom and what they will do in the real world. Thus, the MYP fosters the development of the knowledge and skills that are essential for life in the 21st century.

MYP ensures that students participate in the wide variety of academic and elective courses offered at North Central High School.

All 10th grade students will undertake an independent personal project to demonstrate the knowledge and skills acquired throughout the five years of MYP.

2.0 Grade Point Average Standard for Participation

Students enrolled at North Central High School must maintain a 2.0 grade point average (GPA) and be passing in at least five subjects each grading period to be eligible for participation in any school sponsored extracurricular or co-curricular activity. At the end of a semester, the semester GPA takes precedence over the GPA earned during the last 9-week grading period.

Beginning first semester of the 9th grade year, students will be considered eligible at the time of enrollment at North Central. A student's second semester 8th grade GPA will not determine eligibility at the beginning of the 9th grade.

For a student returning to North Central or transferring from another high school, eligibility will be determined by the last official posted GPA. For example, a student's GPA at the end of the second semester will determine eligibility at the beginning of the following school year. Students' summer school grades can be used to reestablish eligibility lost at the end of second semester, provided the average of the summer school grades and the previous second semester meets the 2.0 GPA requirement.

This standard for participation applies to all extracurricular or co-curricular activities and field trips. It does not prevent individual groups or organizations from establishing additional requirements that exceed those identified above.

ricular activities and field trips. It does not prevent individual groups or organizations from establishing additional requirements that exceed those identified above.

STUDENT ATHLETES

If a student athlete passes five classes but their GPA falls below a 2.0 during the next grading period, the following criteria must be met in order for the student athlete to remain eligible:

The student must report to the Learning Center for assistance twice per week for a help session. At the session, the student athlete must sign in and remain in the Learning Center until the faculty member releases the student to practice.

On a weekly basis, the student must provide to the head coach a grade check from each teacher on his/her class schedule. If a student is having academic issues in a certain class, the student athlete must seek help at help sessions which are after school on Tuesdays and Thursdays.

If any of the above criteria is not met, the student athlete will be deemed academically ineligible.

Credits Earned Outside of North Central High School

Courses taken through Quest, online, or University programs must be pre-approved by North Central personnel before credit is given. The approval process starts with the student's counselor. A permission letter is needed before a student enrolls in a course outside of North Central for which a student wishes to earn credit. North Central

department chairs determine course work eligibility for credit. A maximum of ten outside credits may be counted towards a diploma. Students should see their counselor to gain pre-approval of any courses taken outside of the North Central curriculum.

Transfer Students

North Central High School personnel will evaluate and determine whether or not to accept credit from other institutions. Only credits

from accredited institutions will be accepted.



North Central High School Graduation Requirements

Students must enroll in a minimum of six courses each semester. Students who are candidates for any North Central Diploma must be full-time students for a minimum of one semester during their senior year and must earn a minimum of 3 credits during that semester. Seniors must be scheduled with all courses needed to graduate from North Central High School.

Students must complete the following minimum requirements in order to be eligible to graduate from North Central High School.

	<i>Required Credits</i>
English.....	8
<i>(Must include a senior composition course.)</i>	
Mathematics	6
<i>(Must include Algebra 1/2, Geometry 1/2 and 2 credits in a course with Algebra 1/2 as a prerequisite. Courses below Algebra do not count for high school credit.)</i>	
2 Credits in a math or quantitative reasoning course during the junior or senior year*	
Social Studies.....	6
<i>(Must include World History 1/2 or Geography & the History of the World 1/2; U S History 1/2, Government and Economics.)</i>	
Science.....	6
<i>(Must include 2 credits in Biology and 2 credits in a physical or earth science and 2 credits in a third science.)</i>	
Speech.....	1
Physical Education.....	2
Health.....	1
College and Career Pathway Courses**	6
Electives.....	10
Total Credits.....	46

* A Quantitative Reasoning Course is a high school course that advances a student's ability to apply mathematics in real world situations.

** College Career Pathway Courses are electives chosen in a deliberate manner to explore college and career opportunities.

GRADUATION

Students in the class of 2020 and 2021 will take the ISTEP+ Grade 10 Assessment consisting of English/Language Arts and Math. Students who do not pass can earn a diploma in one of two ways:

OPTION 1

Meet the waiver criteria below:

Take the test one time per year

Complete remediation opportunities provided by school

Maintain 95% attendance rate

Maintain 2.0 GPA in courses required for graduation

And

Obtain teacher recommendation or complete an industry certification or credential

OPTION 2

Choose a Graduation Pathway:

Demonstrate employability skills by completing one of the following:

Project Based Learning experience

Service Based Learning experience

Work Based Learning experience

And

Meet a Post-Secondary Ready Competency

SPECIAL DIPLOMAS

In addition to the General Diploma, North Central students may earn five special diplomas: The Core 40 Diploma, The Core 40 with Academic Honors Diploma, The Core 40 with Technical Honors Diploma, The North Central Academic Honors Diploma and The International Baccalaureate Diploma.

Quantitative Reasoning (QR) Courses:

QR Courses do not count towards the mathematics requirements unless it is a math course.

- AP/IB Biology
- ACP/IB Calculus
- AP/IB Calculus BC
- AP/IB Chemistry
- AP/IB Computer Science
- AP/IB Environ. Science
- AP/IB Macroeconomics
- AP/IB Microeconomics
- AP/IB Physics I
- AP/IB Physics C
- Advanced Accounting
- Business Math
- Economics
- Chemistry
- Chemistry X
- Physics
- Integrated Chem-Phys
- Personal Fin. Responsibility
- Advanced Manufacturing II



Core 40 Diploma

The Core 40 Diploma is the default diploma. All students will begin on this track. There is a formal opt out provision for parents who demonstrate that their student would be better served by earning a general diploma.

1. Required Courses

English—8 credits (must include a senior composition course)
Mathematics—6 credits in Algebra 1/2, Geometry 1/2, and Algebra 3/4. **Six math credits must be earned between grades 9-12.**

CORE 40 STUDENTS MUST TAKE A MATH OR QUANTITATIVE REASONING COURSE EACH YEAR IN HIGH SCHOOL.

Science — 6 credits in science:
2 credits Biology and
2 credits Chemistry OR Physics, OR Integrated Chem-Physics
2 additional credits from any Core 40 science
Social Studies — 6 credits distributed as follows:
2 credits U.S. History
1 credit U.S. Government
1 credit Economics

Physical Education — 2 credits World History OR Geography & the History of the World
Health — two credits required
Speech — 1 credit
1 credit

2. Choose elective courses to explore career and college opportunities from the preceding list or the following to total 46 credits:

World Language — French, German, Hebrew, Japanese, Chinese, Latin or Spanish
Performing and/or Visual Arts
Career Areas — At least 6 credits in a logical sequence from Business, Family and Consumer Sciences, or a Technical Education area

3. Pass the state graduation exam or meet criteria for a graduation pathway.

Core 40 Diploma with Academic Honors

To be eligible for the Core 40 with Academic Honors Diploma students must:

- Satisfy all requirements for Core 40 Diploma PLUS:
 - Complete an additional year of math (beyond Algebra 3/4)
 - Complete two Fine Arts credits (either visual or performing arts)
 - Earn 6-8 World Language credits (6 credits in one language or 4 credits each in two languages)
- Earn a cumulative 3.0 or higher grade point average
- Earn a minimum of 48 credits in courses on the transcript
- Earn a grade of "C-" or above in courses that will count toward the diploma
- Pass the state graduation exam or meet criteria for a graduation pathway.
- Complete ONE of the following:
 - Earn 4 credits in 2 or more AP courses and take corresponding AP exams.
 - Earn 6 verifiable, transcribed college credits in dual credit courses from the dual credit approved list.
 - Earn 2 of the following:
 - Minimum of 3 verifiable, transcribed college credits from the approved dual credit list.
 - 2 credits in AP courses and corresponding AP exams
 - 2 credits in IB standard level courses and corresponding IB exams.
- Earn a combined score of 1250 or higher on SAT and a minimum

- of 560 on Math and 590 on EB Reading and Writing.
- Earn an ACT composite score of 26 or higher and complete writing section.
- Earn 4 credits in IB courses and take corresponding IB exams.

DISTRIBUTION OF REQUIREMENTS

English—Eight credits in literature and composition; Speech.
World Language—Six credits in one language or four credits each in two languages. Students who complete the first year of World Language in middle school may count the credits and grades toward this diploma by request. Two or three years of language in middle school is the equivalent to one year of high school language.
Mathematics—Eight credits to include Algebra 1/2, Geometry 1/2, Algebra 3/4 and one upper level course. Students who complete Algebra 1/2 in middle school may count the credits and grades toward this diploma by request. **Students must earn 6 credits in grades 9-12.**
Science—Six credits to include two credits in Biology, two credits in Chemistry or Physics or Integrated Chemistry Physics and two additional credits in a Core 40 science.
Social Studies—Six credits to include U.S. History, Government, Economics, and World History OR Geography & the History of the World
Fine Arts—Two credits in visual or performing arts
Speech—One credit

Core 40 Diploma with Technical Honors

For the Core 40 with Technical Honors Diploma students must: complete all requirements for Core 40 PLUS:

- Earn 6 credits in the college and career pathway courses and one of the following:
 - State approved, industry based certification or credential or
 - Pathway dual credits from approved list resulting in 6 transcribed college credits
- Earn a grade of "C-" or above in courses that will count toward the

- diploma
- Earn a cumulative 3.0 or higher grade point average
- Complete one of the following:
 - Any one of the options A-F of the Core 40 with Academic Honors Diploma
 - Earn designated score on WorkKeys Assessment
 - Earn designated score on Accuplacer Assessment
 - Earn designated score on Compass Assessment



North Central Academic Honors Diploma

To be eligible for the North Central Academic Honors Diploma students must:

1. Satisfy all requirements of the Core 40 with Academic Honors Diploma PLUS:
2. Earn 2 credits in Pre-Calculus
3. Take a full year of Chemistry or Physics
4. Earn a cumulative 3.0 or higher grade point average
5. Earn a grade of "C-" or above in courses that will count toward the diploma
6. Accumulate a minimum of 20 credits among the 48 required at the X, Advanced Placement, Dual Credit or International Baccalaureate Diploma Program level with a grade of "C-" or higher (see list on page 9)

All 20 credits must be weighted and must be grades of C- or higher.

DISTRIBUTION OF REQUIREMENTS

English—Eight credits in literature and composition; Speech

International Baccalaureate (IB) Diploma

The International Baccalaureate (IB) Diploma is a rigorous pre-university course of studies, leading to examinations, that meets the needs of highly motivated secondary school students between the ages of 16 and 19 years. Designed as a comprehensive two-year curriculum that allows its graduates to fulfill requirements of various national and international education systems, the diploma model is based on the pattern of no single country, but incorporates the best elements of many. The program offers special features in addition to the traditional strengths of a liberal arts curriculum.

Theory of Knowledge (TOK) is a required interdisciplinary course intended to stimulate critical reflection upon the knowledge and experience gained inside and outside the classroom. TOK challenges students to question assumptions about knowledge, to be aware of subjective and ideological biases, and to develop a personal mode of thought, using analysis of evidence expressed in rational argument. A key element in the IB's educational philosophy, TOK seeks to develop a coherent approach to learning, which transcends and unifies the academic subjects and encourages appreciation of other cultural perspectives.

Creativity, Action, Service (CAS) is a key requirement of the diploma curriculum. Students are required to earn 200 hours among these three elements in order to develop awareness, concern, and the ability to work cooperatively with others.

Extended Essay is another requirement for diploma candidates who must undertake original research and write an essay of 4,000 words.

Curriculum

The IB Diploma Program exposes students to the two traditions of

World Language—Six to eight credits in one language or three to four credits in one language and three to four credits in another language. Students who begin language in middle school may add the credits and grades by request. (See page 63 for specifics.)

Mathematics—Eight credits to include Pre-Calculus. If students complete Algebra 1/2 in the middle school, they may count the credit and grades towards this diploma by request. **Students must earn 6 credits in grades 9-12.**

Science—Six credits to include two credits in Biology, two credits in Chemistry or Physics and two additional credits in any advanced science course

Social Studies—Six credits to include U.S. History 1/2, Government, Economics, and either World History 1/2 or Geography and the History of the World 1/2

Fine Arts—Two credits in Visual Arts or Performing Arts courses (Marching Band and Pantherettes do not count).

learning: the humanities and the sciences. During a two-year period of concurrent study, students study six academic areas surrounding a core subject. At least three and not more than four of these subject groups are taken at Higher Level (HL), the others at Standard Level (SL). HL courses represent 240 teaching hours; SL courses cover 150 hours. By arranging work in this fashion, students are able to explore some subjects in depth and some more broadly over the two-year period.

Evaluation

The IB Diploma Program uses a variety of assessment measures to evaluate the content and the process of academic achievement and to take into account different learning styles and cultural patterns. These include internal assessments by classroom teachers over a two year period, based upon oral and written work, and/or laboratory notebooks. Conventional external examinations are also given in each subject during the first three weeks of May. These exams last four hours and may include essays, short answer, multiple choice, etc. Classroom teachers along with more than 3,000 international examiners work in partnership to ensure that students have ample opportunity to demonstrate what they know. Each exam is graded on a scale of 1 (minimum) to 7 (maximum). The award of the Diploma requires students to meet defined standards and conditions, including a minimum total of 24 points and satisfactory completion of the Extended Essay, TOK and CAS activities. In June the exams are graded, in July the Diplomas are awarded. The maximum score of 45 points includes three bonus points for an exceptional Extended Essay and work in TOK.



Course of Study for IB Diploma Program

The following list of courses represents the best preparation for the Diploma Program leading to completion of all requirements.

English (Language A)

Grade 9	English 9X
Grade 10	English 10X
Grade 11	AP/IB English Literature/Composition
Grade 12	AP/IB English Language/Composition

World Language (Language B)

Grade 6-8	Chinese, French, Spanish 1/2
Grade 9	Chinese*, French or Spanish 3/4X, Hebrew, German, Japanese, Latin 3/4
Grade 10	Chinese, French or Spanish 5/6X, Hebrew, German, Japanese, Latin 5/6
Grade 11	French or Spanish 7/8X, Hebrew, German, Japanese, Latin, Chinese 7/8
Grade 12	French, Spanish 9/10X Latin, Chinese, German, Hebrew, Japanese 9/10

*If Advanced Chinese was taken at Westlane Middle School.

Social Studies (Individuals and Society)

Grade 9	AP World History 1/2
Grade 10	AP/IB U.S. History 1/2
Grade 11	AP/IB European History 1/2
Grade 12	AP/IB Government and IB International Relations

Experimental Sciences

Grade 9	Biology 1/2X
Grade 10	Chemistry 1/2 or 1/2X
Grade 11	Physics I or AP/IB Adv Chemistry 1/2, AP/IB Environmental Science
Grade 12	AP/IB Adv Bio 1/2, AP/IB Adv Physics C 1/2, or AP/IB Chemistry
IB Sci Options:	SL/HL Physics, SL Chemistry, HL Biology

Mathematics

Option 1 Mathematics Studies (SL)

Grade 9	Geometry 1/2X or Geometry 1/2
Grade 10	Algebra 3/4X or Algebra 3/4
Grade 11	Pre-Calculus 1/2X or Pre-Calculus 1/2
Grade 12	AP/IB Statistics/Probability 1/2 AND ACP/IB Calculus 1 (Students may also fulfill the Calculus 1 requirement by attending one session of summer school. Prior approval by the mathematics department chair is required before enrolling in a Calculus course that will be completed outside of North Central High School.)

Option 2 Mathematics (SL)

Grade 9	Geometry 1/2X
Grade 10	Algebra 3/4X
Grade 11P	Pre-Calculus 1/2X
Grade 12	ACP/IB Calculus 1/2, or AP/IB Calculus 1/2 BC

Option 3 Mathematics (HL)

Grade 9	Algebra 3/4X
Grade 10	Pre-Calculus 1/2X
Grade 11	AP/IB Calculus 1/2 BC
Grade 12	Advanced Mathematics Topics 1/2

Visual Arts

Intro to Art, 2-D or 3-D Art, Art History, Beginning Drawing, Advanced Drawing, Art (SL & HL)

Music

Piano Lab, Music Theory 1/2, Instr/Vocal Tutorial, Music (SL & HL)

Theatre Arts

Speech, Drama, Theatre Arts 2, Repertory Theatre, Theatre Arts (SL or HL)

Dance

Pilot Program, (SL or HL)

Advanced Placement (AP)

The Advanced Placement (AP) Program is a cooperative educational endeavor of secondary schools, colleges, and the College Board. AP courses are offered in more than 10,000 high schools in every state in the United States, every province and territory in Canada, and in 63 other countries. They are recognized in nearly 3,000 U.S. and foreign colleges and universities which grant credit, appropriate placement, or both, to students who have performed satisfactorily on AP examinations. Approximately 1,200 institutions will grant sophomore college standing to students who have demonstrated their competence in three or more of these examinations. The following exams are offered at North Central High School for Advanced Placement: Biology, Chemistry, Physics I and C, Environmental Science, Macro Economics, English Language and Composition, English Literature and Composition, French Language, German Language, Japanese Language, Latin Vergil, Spanish Language, European History, U.S. Government and Politics, Human Geography, U.S. History, World History, Calculus BC, Statistics, Computer Science, Psychology, 2-D and 3-D Art, Art



History and Music Theory.

Advanced Placement has specific course descriptions and examinations for each AP course. The examination in most of these subjects covers the equivalent of a full year college course. Students may take one or many AP classes, and they are expected to sit for exams.

Courses are independent of one another; however, students who take AP exams are enrolled in an accelerated program in order to receive appropriate preparation for later honors and AP classes.

Advanced Placement examinations are offered each May. AP exams contain a section that is a free response, either essay or problem solving, and a section of multiple-choice questions. In June, the examinations are graded; in July, the grades are reported to students. AP Scholar Awards are granted for college-level performance (grades of 3 or better on a 1-5 scale) on 3 or more exams.



Advance College Project (ACP)

The Advance College Project (ACP) is an opportunity to begin college work while still in high school. ACP allows high school students to take college classes taught by carefully selected and specially trained secondary teachers affiliated with Indiana University (Bloomington) academic departments. ACP credit is transferable to many post-secondary institutions; however, transfer policies do vary. ACP

recommends the following criteria for participation: should be on college preparatory track, a GPA of 2.7 or higher, and have appropriate high school endorsements. Currently North Central offers ACP in Physics, Calculus, Advanced Composition, Finite Mathematics, Genres of Literature, Government, U.S. History, Spanish*, French* and Psychology.

Grading Systems and Reporting Procedures

North Central's weighting system is intended to recognize and reward academic work over a four year period in selected courses where student work is judged to be significantly above that present in the college preparatory program. In particular, this system of weighting will be part of determining students' grade point averages and class ranks. The GPA is established by totaling all earned points and dividing by the total number of credits attempted. North Central uses a 4 point grading scale that incorporates a plus and a minus where appropriate within each grade range. (See section on grading scale p. 10).

For students taking weighted courses, the GPA is adjusted using the following formula:

A weighting factor of .2 is multiplied by the total number of weighted courses taken and then divided by the number of high school semesters completed. The quotient is then added to the GPA established by the actual earned grades in all course work.

The following example shows how this system of weighting would be applied to a first semester freshman.

Course	Grade	Earned Points
Weighted Course 1	A	4
Weighted Course 2	B	3
Weighted Course 3	A	4
Non-weighted Course 1	A	4
Non-weighted Course 2	A	4
Non-weighted Course 3	B	3
22 (Divided by) 6 = 3.6 Earned GPA		
.2 (weighting factor) x 3 (# of weighted courses) = .6		
.6 (added weight) divided by 1 (semester) = .6		
3.6 (Earned GPA) + .6 (added weight) = 4.2		

Earning Credits by Alternate Methods

State law IC 20-36-5-1 mandates that a student shall receive credits toward graduation or an academic honors diploma by demonstrating the student's proficiency in a course or subject area required for graduation or the academic honors diploma, whether or not the student has completed course work in the subject area, by any one (1) or more of the following methods:

1. Receiving a score that demonstrates proficiency on a standardized assessment of academic or subject area competence that is accepted by accredited postsecondary educational institutions.

2. Receiving a high proficiency level score on an End of Course Assessment for a course without taking the course.
3. Successfully completing a similar course at an eligible institution under the postsecondary enrollment program under IC 21-43-4.
4. Receiving a score of three (3), four (4), or five (5) on an Advanced Placement examination for a course or subject area.
5. Other methods approved by the state board.

Please note courses earned by this method will not be weighted.

Weighted Courses

ENGLISH	MATHEMATICS	SOCIAL STUDIES	FINE ARTS
English 9X English 10X AP/IB English Language/Composition AP/IB English Literature/Composition Advanced Composition ACP Critical Thinking 1/2 Genres of Literature ACP Theory of Knowledge 1/2, 3/4	Geometry 1/2X Algebra 3/4X Pre-Calculus 1/2X ACP/IB Calculus 1/2 AP/IB Calculus 1/2 BC Advanced Math Topics 1/2 AP/IB Stats/Probability 1/2 AP/IB Computer Science 1/2 ACP/Finite Mathematics	AP/IB U.S. History 1/2 U.S. History 1/2 ACP AP/IB Economics AP Psychology ACP AP/IB World History 1/2 AP/IB Human Geography 1/2 AP/IB Government Government ACP AP/IB European History 1/2 International Relations	AP/IB Advanced 2D Art, 1/2 AP Art History AP/IB Advanced 3D Art, 1/2 AP/IB Music Theory
SCIENCE Biology 1/2X AP Physics 1/2X Chemistry 1/2X Advanced Life Science-Zoology 1/2X Anatomy & Physiology 1/2X AP/IB Advanced Biology 1/2 AP/IB Advanced Physics C 1/2 AP/IB Advanced Chemistry 1/2 AP Environmental Science 1/2	WORLD LANGUAGE *Chinese 3/4, 5/6, 7/8 French 3/4X, 5/6X, 7/8X Spanish 3/4X, 5/6X, 7/8X *German 3/4, 5/6, 7/8 *Hebrew 3/4, 5/6, 7/8 *Japanese 3/4, 5/6, 7/8 *Latin 3/4, 5/6, 7/8 AP/IB Chinese 9/10	AP/IB French 9/10 AP/IB Spanish 9/10 AP/IB German 9/10 IB Hebrew 9/10, 11/12 AP/IB Japanese 9/10 AP/IB Latin 9/10	*Grades earned in these courses will be weighted if during previous year the student met the criteria for enrollment in a weighted course (see criteria #2 in Academic Guidelines: Criteria to Guide Enrollment in Weighted Courses).



Academic Guidelines: Criteria to Guide Enrollment in Weighted Courses

The following are used to guide student eligibility for enrollment in weighted classes.

1. For a student currently in a weighted class, that student should meet two of the following guidelines to continue in weighted classes in that subject area.
 - a. Earn an average grade of "C-" or better on both semester grades
 - b. Obtain a written recommendation from his or her current teacher in that subject area
 - c. Earn an average grade of "C-" or better on both semester examinations or meet the required standard established for a departmental qualifying examination
2. For a student currently in a college preparatory class that student should meet two of the following to move into a weighted class in that subject area.
 - a. Earn an average grade of "B-" or better on both semester grades
 - b. Obtain a written recommendation from his or her current teacher in that subject area
 - c. Earn an average grade of "B-" or better on both semester examinations or meet the required standard established for a departmental qualifying examination

Student Reporting 9-Week Grading Periods

North Central is on a nine-week grading period, allowing for four grading sections per year. Student performance in classes will be communicated in the following manner:

1. Early parent contact for all "D" and "F" grades
2. An interim appraisal distributed to students at the end of the fourth week
3. Grade reports issued at the end of nine weeks
4. An interim appraisal distributed to students at the end of the thirteenth week
5. End of term grade reports issued at the end of eighteen weeks
6. Skyward

4-Point Plus/Minus Grading Scale

The following point values per credit are associated with each letter grade:

	B+ = 3.3333	C+ = 2.3333	D+ = 1.3333	F = 0.0000
A = 4.0000	B = 3.0000	C = 2.0000	D = 1.0000	
A- = 3.6667	B- = 2.6667	C- = 1.6667	D- = 0.6667	

Early Dismissal & Late Arrival Requirements

Students who have accumulated 26 credits prior to the start of their junior year or 38 credits prior to the start of their senior year, may be released from attending a full student day (seven classes) under the following conditions:

1. Juniors must have a cumulative grade point average of 2.5 or higher at the end of their first 3 semesters of high school. Seniors must have a cumulative grade point average of 2.5 or higher at the end of their first 5 semesters in high school.
2. Students must carry a minimum course load of six credits each semester and attend at least six full class periods.
3. Students must meet one of the following criteria:
 - a. Participate in volunteer or community service
 - b. Provide for family needs that relate to child or homecare
 - c. Attend continuing education program(s)
 - d. Work on a part-time basis

4. Students must not be in arrears.

Students' requests for early dismissal need to be approved and verified by parents/guardians along with supervisors or employers.

Students with Early Dismissal must have transportation from school and will leave the building at the end of period 9. Students who do not leave the building prior to the ringing of the tardy bell for period 10 will lose their early dismissal privilege and be assigned to a study hall during period 10. Students who have Late Arrival need to be on campus in time to park and be in class for the start of period 2. Students who are tardy to period 2 will lose their Late Arrival privilege and be assigned to a study hall period 1.

During scheduling, if a conflict arises between a 1st period or 10th period class and Late Arrival/Early Release, the class will be given priority.

Repeating a Course

Students who have earned a grade of D+, D or D- may repeat a course to better master the content or to meet minimum grade requirements to qualify for an Indiana Academic Honors Diploma, an Indiana Technical Honors Diploma or a North Central Academic Honors Diploma. The course may be repeated in the following methods: in the classroom, online via Indiana Online Academy or Indiana University High School, or after school via GradPoint. The following rules apply:

1. The student must submit a permission/request form signed by parent/guardian indicating a desire to repeat

- the course to the student's counselor
2. Both grades will appear on the transcript and will be factored into the Grade Point Average
3. The student must repeat the course within one calendar year of earning the D+, D or D-
4. Students may not repeat the same course more than once
5. The request to repeat a course in the classroom may be denied if placement causes the class size to be excessive (determined by Principal or designee)



North Central High School Cohort Program

The Cohort Program is an academic program designed to identify high achieving, under-represented students who have not previously enrolled in Honors level courses and to encourage them to pursue a rigorous high school curriculum. The program provides those students with additional opportunities for academic support. Students are recommended during the eighth grade by teachers and counselors. They must have a 3.0 - 4.0 GPA and be first-time candidates for an honors level course (although students with previous experience in honors classes may also be considered). Students are required to take

at least one honors course per semester. In addition, students are assigned to a Cohort Homeroom that meets weekly in order to provide another resource for academic support and to expose students to other opportunities and programs sponsored by the high school, various college institutions, and the community. Cohort students must have a strong desire to achieve academically, be self-motivated, have a high level of commitment and a dedicated work ethic.

The AVID Program

AVID (Advancement Via Individual Determination) is offered as an academic class that prepares students for entrance into four-year colleges. There is an emphasis on analytical writing, preparation for college entrance and placement exams, study skills and test taking, notetaking and research.

AVID meets five hours per week. Students receive two hours of instruction per week in college entry skills, two hours per week in tutor-led study groups, and one hour per week in motivational activities and academic skills. In AVID, students participate in activities that incorporate strategies focused on writing, inquiry, collaboration, and reading to support their growth academically. Students also

participate in motivational activities including college and career research, college and career outreach speakers, field trips to colleges, businesses, and other educational opportunities in their communities, and service learning experiences. These provide students with the resources they need to learn about many positive opportunities available to them in the community that will impact their future.

Grades: 9 - 12

Length: 4 years

Prerequisite: Middle School AVID and/or interview-application process

North Central High School Bridge

The Bridge program is a four-year program at North Central High School offering academic support for non-native English speakers to succeed in high school. Students have common classes and homerooms. The purpose is to improve graduation rates for North Central's ELL (English Language Learner) students and to create an academic support group.

Incoming ninth grade students are recommended by their eighth grade teachers and counselors to participate in Bridge.

JAG

Jobs for Americas Graduates is a national, state-based program dedicated to helping students succeed. It is a 2 year program taken in grades 11 and 12. JAG students will receive mentoring, develop leadership skills and pursue post-secondary education or career opportunities. There is an application process which begins with the student's counselor. Students must be eligible to work in the United States.

Glossary of North Central High School Frequently Used Terms

ACP	Advance College Project
AP	Advanced Placement
AVID	Advancement Via Individual Determination
CP	College Preparatory
ELL	English Language Learners
ENL	English as a New Language
GPA	Grade Point Average
HDE CEC	H Dean Evans Community & Education Center
HL	Higher Level (IB)
IB	International Baccalaureate
IC	Information Center
JEL/JELCC	J. Everett Light Career Center
JROTC	Junior Reserve Officers Training Corp
MYP	Middle Years Program
PBL	Project Based Learning
PC	Performance Classroom
PRC	Post Secondary Ready Competencies
SBL	Service Based Learning
QR	Quantitative Reasoning
SL	Standard Level (IB)
TOK	Theory of Knowledge
WBL	Work Based Learning
X	Honors



BUSINESS MANAGEMENT/ TECHNOLOGY



COURSE OFFERINGS	GRADE	PREREQUISITE(S)
Advanced Accounting	11-12	Introduction to Accounting
Business Law and Ethics	11-12	None
Digital Applications and Responsibility	9-12	None
Entrepreneurship and New Ventures Capstone	11-12	Introduction to Entrepreneurship
Introduction to Accounting	10-12	None
Introduction to Entrepreneurship	9-12	None
Personal Financial Responsibility	10-12	None
Principles of Business Management (formerly Introduction to Business)	9-11	None
Preparing for College and Careers	9-12	None
Principles of Marketing	10-12	None

Course Descriptions

ADVANCED ACCOUNTING

One credit per semester, year long course

Advanced Accounting expands on the Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting covered in Introduction to Accounting. Emphasis is placed on accounting principles as they relate to both manual and automated financial systems. This course involves understanding, analyzing, and recording business transactions and preparing, analyzing, and interpreting financial reports as a basis for decision-making. Students are required to take Introduction to Accounting prior to enrollment in this course.

BUSINESS LAW AND ETHICS

One credit

Business Law and Ethics provides an overview of the legal system in the business setting. Topics covered include: basics of the judicial system, contract law, personal, employment and property law. Application of legal principles and ethical decision-making techniques are presented through problem-solving methods and situation analyses. One credit for the one semester course.

DIGITAL APPLICATIONS AND RESPONSIBILITY

One credit

Digital Applications and Responsibility prepares students to use technology in an effective and appropriate manner in school, in a job, or everyday life. Students develop skills related to word processing, spreadsheets, presentations, and communications software. Students learn what it means to be a good digital citizen and how to use technology, including social media, responsibly. Students expand their knowledge of how to use digital devices and software to build decision-making and problem-solving skills. Students should be provided with the opportunity to seek industry-recognized digital literacy certifications.

ENTREPRENEURSHIP AND NEW VENTURES CAPSTONE

One credit

Entrepreneurship and New Ventures Capstone introduces entrepreneurship, and develops skills and tools critical for starting and succeeding in a new venture. The entrepreneurial process of opportunity recognition, innovation, value proposition, competitive advantage, venture concept, feasibility analysis, and "go to" market strategies will be explored through mini case studies of successful and unsuccessful entrepreneurial start-ups. Additionally, topics of government and legal restrictions, intellectual property, franchising location, basic business accounting, raising startup funding, sales and revenue forecasting, and business plan development will be presented through extensive use of word processing, spreadsheet, and presentation software.

INTRODUCTION TO ACCOUNTING

One credit per semester, year long course

Introduction to Accounting introduces the language of business using Generally Accepted Accounting Principles (GAAP) and procedures for proprietorships and partnerships using double-entry accounting. Emphasis is placed on accounting principles as they relate to both manual and automated financial systems. This course involves understanding, analyzing, and recording business transactions and preparing, analyzing, and interpreting financial reports as a basis for decision-making.

INTRODUCTION TO ENTREPRENEURSHIP

One credit

This course is for students who have a desire to own their own business. Students will have experience in solving problems faced by all businesses. Included in the class will be an awareness of the responsibilities, duties, and problems incurred by owners, the free enterprise system, personal and customer relations, finance, inventory, marketing techniques, and record keeping. Each student will complete a business plan for his or her own proposed business using resources from the course and community.



PERSONAL FINANCIAL RESPONSIBILITY

One credit

Personal Financial Responsibility is a business course that focuses on personal financial planning. The content includes financial planning, income and money management, savings and investing, and spending and credit management. Students will learn the financial concepts and principles that provide a basis for avoiding a financial pitfall. This course prepares students for the roles and responsibilities of consumers, producers, entrepreneurs, and citizens. Students will learn how to make tough decisions on how to manage their money.

PREPARING FOR COLLEGE AND CAREERS

One Credit

Students will address the knowledge, skills, and behaviors all students need to be prepared for success in college, a career, and in life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics include: exploration of personal aptitudes, interests, values, and goals; examining life roles and responsibilities, learning employability skills, and transferring school skills to college and career. This course is one of the courses specified in the sequence of courses for all Career Clusters and all of Indiana's College and Career Pathway Plans.

PRINCIPLES OF BUSINESS MANAGEMENT (formerly INTRODUCTION TO BUSINESS)

One credit per semester, year long course

Principles of Business Management focuses on the roles and responsibilities of managers as well as opportunities and challenges of ethically managing a business in the free enterprise system. Students will attain an understanding of management, team building, leadership, problem solving steps and processes that contribute to the achievement of organizational goals. The management of human and financial resources is emphasized.

PRINCIPLES OF MARKETING

One credit

Marketing provides an introduction to the scope and importance of marketing in the global economy. Curriculum is based on the National Marketing Education framework which includes economics, marketing and business, and human relationship foundations. Emphasis is placed on communications skills, math applications, problem solving--and critical thinking skills as they relate to selling, promoting, pricing, purchasing, marketing information management, product/service planning, distribution, financing, and risk management. Various classroom strategies are used which apply marketing principles to real and simulated projects.



CAREER TECHNICAL EDUCATION



COURSE OFFERINGS	PREREQUISITE(S)
Advanced Manufacturing Technology and Engineering (1st Year)	None
Advanced Manufacturing Technology and Engineering (2nd Year)	Advanced Manufacturing Technology and Eng. (1st Year)
Animation & Film Production (1st Year)	None
Animation & Film Production (2nd Year)	Animation & Film Production (1st Year) & Teacher Permission
Automotive Collision Repair Technology (1st Year)	None
Automotive Collision Repair Technology (2nd Year)	Automotive Collision Repair Technology (1st Year) & Teacher Permission
Automotive Maintenance/Detailing	None
Automotive & Service Technology (1st Year)	None
Automotive & Service Technology (2nd Year)	Automotive & Service Technology (1st Year) & Teacher Permission
Airport & Aviation Management	Provide personal transportation
Community Service	None
Cosmetology (1st Year)	None
Cosmetology (2nd Year)	Cosmetology (1st Year) & Teacher Permission
Culinary Arts Careers (1st Year)	None
Culinary Arts Careers (2nd Year)	Culinary Arts Careers (1st Year) & Teacher Permission
Dental Careers (1st Year)	None
Dental Careers (2nd Year)	Dental Careers (1st Year) & Teacher Permission
Digital Design & Advertising	None
Education Careers (1st Year)	None
Education Careers (2nd Year)	Early Childhood Education (1st Year) & Teacher Permission
Emergency Medical Technician	None
EMS, First Responder	None
Health Care Careers, CNA: Health Science Education II	None
Health Career Exploration: Health Science Education I	None
Information Technology: Cyber-security, Coding, Networking	None
Introduction to Engineering and Design	None
Law Enforcement (1st Year)	None
Law Enforcement (2nd Year)	Law Enforcement (1st Year) & Teacher Permission
Media Arts Production (NC Announcements) (1st Year)	None
Media Arts Production (NC Announcements) (2nd Year)	Media Arts Production (NC Announcements) (1st Year) & Teacher Permission
Medical Assisting	None
Music/Sound Production (1st Year)	None
Music/Sound Production (2nd Year)	Instructor Permission
Pharmacy Technology	Provide personal transportation, class is at Noblesville Ivy Tech campus.
Principals of Engineering	None
Veterinary Assisting (1st Year)	Biology, personal transportation to clinic site
Veterinary Assisting (2nd Year)	Veterinary Assisting (1st Year) & Teacher Permission
Welding (1st Year)	None
Welding (2nd Year)	Welding (1st Year) & Teacher Permission
Work Based Learning (WBL), Multiple Pathway	Preparing for College & Careers and 4 credits earned in related CTE pathway



J. Everett Light Career Center

The J. Everett Light Career Center is administered by the Metropolitan School District of Washington Township and serves high school students and adults from 11 school corporations in northern Marion, Boone and Hamilton counties. The facility consists of approximately 150,000 square feet including classrooms, laboratories, offices, and other instructional resource facilities.

Who can take our classes?

Our classes are available to students from our 11 sending high schools. Typically students are juniors or seniors. See your Guidance Counselor for specific grade level requirements.

What's different about Career Center classes?

Career Center classes relate academic subjects to the "real world of work." Students learn in a classroom specifically designed to resemble the related work atmosphere. The Career Center uses state-of-the-art equipment, computer programs and teaching techniques to give students the "hands on" experiences that students usually do not experience until they enroll in post-secondary institutions. Most JELCC programs offer dual credits and opportunities to earn industry-recognized certifications.



How many credits can I earn?

Our students can earn elective high school credits for our courses. Upon passing a course for the semester, a student can earn three credits for a three-hour course and two credits for a two-hour course. The student's high school will add these credits to the transcript.

What else can I earn?

Students will receive a certificate of employability, which will list the job skills they have mastered. Upon recommendation by your teacher, the Career Center Director also will provide a Work Skills Readiness Certificate that you, the graduate, can perform the skills listed on the technical certificate. The Work Skills Readiness Certificate is valid for a period of one year following completion of the program.

How do I enroll in a class?

Students may obtain an enrollment form for our classes from their guidance counselors. Typically, counselors will meet with students from December to March to plan a schedule of classes for the next school year. Many of our classes fill up quickly, so it is important that the student complete and return the enrollment form to his/her counselor as soon as possible.

Course Descriptions

ADVANCED MANUFACTURING TECHNOLOGY & ENGINEERING

One or Two Years, 2 or 3 hours

Related College or Technical School Major: Mechanical Engineering Technology, Logistics and Supply Chain Management, CNC Machining and Manufacturing

Job Opportunities: Engineer, CNC Machinist, Drafting Technician, Material Handling Specialist

Dual Credit Available

Robotics, CNC Machining, 3D Printing, and more! Advanced Manufacturing Technology and Engineering is designed to expose students to the skills needed in the growing fields of manufacturing and production. This program will prepare students for employment with prestigious companies by focusing on the subjects of manufacturing processes and production, three dimensional modeling and analysis, robotic applications, quality and continuous improvement practices, maintenance awareness, and safety.

Software Used: AutoCAD, Inventor, Aspire, CatalystEX, Repetier, WinCNC

Dual Credit and Certificates (each year): (6-9) Credits (Ivy Tech), (3) Industry Certificates (MSSC, APICS)

AIRPORT AND AVIATION MANAGEMENT

One year program, 3 hours (located offsite at Indianapolis Metropolitan Airport)

Related College or Technical School Major: Aviation Technology Management, Pilot via Lift Academy

Job Opportunities: Aerospace Engineering and Operations Technicians, Airline Pilots

Dual Credit Available

Personal Transportation Required

Are you interested in airplanes, the aviation field, or want to be a pilot someday? In the Aviation program you will be introduced to aviation technology, weather services, air traffic control, and operations. Students will be provided with a broad-based introduction to the field of aviation. Course activities include: familiarization

with aviation technology; a historic overview of the field of aviation; exploration of the current aviation environment and careers and employment opportunities in the field. Topics are focused on aircraft manufacturing, airline operations, general aviation, air-freight, airport management, and government service. Additional topics covered include: aviation safety, human factors, regulations, and certification. This course is designed to enhance the students' knowledge of the pertinent areas of aircraft basic science that comprise the scientific fundamentals applied in all areas of the aviation industry.

ANIMATION & FILM PRODUCTION

One or two year program (2nd year by invitation), 2 hours per day

Prerequisite: None

Related College or Technical School Major: Film Studies, Telecommunications, Computer Animation

Job Opportunities: Videographer, Editor, Producer, Writer, 2-D Animator

Dual Credit Available – Potential of 9 Credits

Ever thought you might be the next Stephen Spielberg? Or maybe you dream of a career at Disney? If so, then signing up for this class is the right move for you! From script to screen, we'll cover all the skills you need to write, film, edit and debut your own short films. You'll also learn the basics of creating animations, from the principles to the process. After taking this class, you will have the skills you need to bring your creative ideas to life and prepare you for an entry-level job or college.

Software used: Adobe Creative Cloud Suite (Premiere, After Effects, Photoshop, Animate) and Microsoft Word

Projects: Stop Motion, computer created animations, short films, music videos and a "Feature" film or animation

Supply cost to student: None



AUTOMOTIVE COLLISION REPAIR

One or two year program, 2 or 3 hours per day

Prerequisite: None

Related College or Technical School Major: Industrial Management, Design

Job Opportunities: Body shop repair technician, automotive painter, boat repair, aviation painter
Dual Credit Available

Want to customize and paint your car, motorcycle or anything that rolls? Want to learn to earn big money in a thriving industry of professionals? Want to earn college credits while earning high school credit at the same time? This class is designed to prepare you for an entry level position in a high demand field in the collision repair industry. You will be trained in the varied areas of the repair process including dent repair, structural analysis, painting processes including custom paint. Welding processes are also central to the curriculum. A sample of activities-

- Opportunity to work on and paint your own car
- Custom Painting (Airbrushing, Chameleon, Marbleizing, Flames)
- Dent Repair (Hail damage, minor and major damage)
- Motorcycle tank and fender painting
- Wrecked customer car repair and frame straightening

AUTOMOTIVE MAINTENANCE/DETAILING

One year program, 2 or 3 hours per day

Prerequisite: none

Related College or Technical School Majors: Auto Service

Technician, Auto Detailer, Porter

Job Opportunities: Quick lube shops, brake and muffler shops, electronics stores, dealerships

Students will learn how to professionally clean an automobile and prepare for auto detailing jobs available in the area. This course covers basic detailing, including the fundamentals of engine detailing, interior and exterior cleaning, and waxing and buffing techniques. Students will learn the proper use of chemicals and tools, and how to recognize auto problems, and estimate cost and time requirements. Students will explore minor auto repair, including engine performance, tires, brakes, automotive electricity, and minor exterior modifications and repairs, including sound system design and installation, window tinting and other vehicular customization.

AUTOMOTIVE SERVICE TECHNOLOGY

One or two year program, 3 hours per day

Prerequisite: none

Related College or Technical School Majors: Auto Service Technician, Industrial Management, Engineering

Job Opportunities: Automotive dealership (service, parts), Independent Repair Garages, aftermarket companies specializing in part production and marketing
Dual Credit Available

The Automotive Service Technology Program is certified by the National Automotive Technical Education Foundation (NATEF). Instructors are Certified Master Technicians (ASE). Classroom and Lab activities include instruction in the basics of modern automotive construction and operation, service, and maintenance. Unit information and practical hands-on experience start at beginner skill levels and progress to entry-level employment. The first units include the necessary basics of shop safety, tool usage, parts identification and the principles of component operation. Subsequent units progress to more involved assignments and 'hands-on' experience in: starters and alternators, wheel alignment, brakes, engines, automatic and manual transmissions, engine diagnostics, and heating and air conditioning.

A sample of first year activities/topics:

Instruction in hands-on repair for:
The basics of tune-up
Brake system fundamentals

Principles of vehicle alignment and suspension
Automotive electrical and computer systems
Maintenance Services

A sample of second year activities/topics:

- Diagnosis and repair of air-conditioning and heating systems
- Trouble shooting techniques for Electrical and computer systems
- Air-conditioning repair and/or conversion

Supply costs to student: Work uniform, protective shoes, safety glasses. Tools are provided, however, students are encouraged to consider starting to purchase tools for their own use. Cost for all supplies is approximately \$45. Safety glasses provided.

COMMUNITY SERVICE

Community Service is work done by a person or group to benefit others. Juniors and seniors may engage in approved community service projects or volunteer work that will not only benefit the community but will also allow for career exploration for the students. Application is required and approval is required. 1-2 hours per day, maximum of 2 credits per semester.

COSMETOLOGY

Two year program, 4 hours per day

3 Credits

Prerequisite: none

Dual Credit Available

The Cosmetology program is designed to qualify students for the State Board of Beauty Culture Examination, thereby providing them with the knowledge and skills to practice as beauticians in the state of Indiana. Activities include the theory and practice of facial massage, makeup, skin care, manicuring, pedicuring, sanitation, hairdressing, cutting, styling, and coloring/perming.

To meet the requirements of 1,500 hours of instruction set by the Board, students attend class a minimum of 20 hours per week. Students must also be able to schedule four hours of class-time into their regular school schedule. There is a minimum of 75 hours of Job Shadowing required between the first and second years of the program.

Kit cost of approximately \$525 and \$80 for uniform to be paid in full at time of orientation.

State license exam prior to graduation: \$103

State License: \$40

CULINARY ARTS CAREERS

One or two year program, 3 hours per day

Prerequisite: none

Related College or Technical School Majors: Culinary Arts, Food service Management, Hospitality

Management, Hotel Management, Entrepreneurship
Job Opportunities: Executive Chef, Pastry Chef, Sous Chef, Kitchen Manager, Line Cook, Cake Designer, General Manager, Restaurant Manager, Assistant Manager, Food and Beverage Manager, Catering, Dietician, Event Planner, and many more
Dual Credit Available

Students will spend the first year at the career center learning all of the basics of cooking. They will also have the opportunity to become ServSafe certified, which is a national certification. Second year students will concentrate on such areas as regional and international foods and, baking and pastry, and management essentials. The National Restaurant Association has created a set of textbooks that teaches everything from measurements, recipe conversion, equipment, stocks/sauces, cooking techniques, baking and pastry, customer service, management, and much more. All students will gain hands on experience working in our own student run Light Café. The Café is open to the public for breakfast and lunch two days a week.



Students will train and perform in all positions of front and back of the house. Our institutional kitchen has all the equipment and tools used in our industry today and will give the students the knowledge of how to use them properly. Students will have the opportunity to earn dual credits for the post-secondary level as well. First year students can earn 2 credits and second year students can earn an additional 6 credits. The National Restaurant Association offers scholarships for completion of certification exams and internship hours. Career Organizations are available to join as well, offering competitions at the regional, state and national levels.

Approximate Supply/Activity Cost to Students: \$60 - \$100 for uniform and additional fees for field trips or joining in the Career Student Organizations.

A sample of first year topics/activities:

- Cooking meats, preparing salads, side dishes and desserts.
 - Sanitation and workplace safety; food service tools and equipment
- Work experience in the Light Café.

A sample of second year topics/activities:

- Bread dough, cake decorating, herbs and spices.
- Type of restaurants and hotels, menu and recipe development.
- Management positions in the Light Café.

DENTAL CAREERS

One or two year program, 3 hours per day

Prerequisite: none for 1st year

Related College or Technical School Majors: Dental Assisting, Dental Laboratory Technician, Dental Hygiene, Dental Program

Job Opportunities: Dental Assistant, Office Assistant, Dental Lab Assistant, Expanded Dental Assistant
Dual Credit Available

A Dental Assisting career will give you something to smile about. It is challenging and the job outlook is excellent. Dental Assistants have one of the most diverse and interesting of all positions in a dental office. The JEL Dental Clinic is a part of the education and experience of the students as they assist local dentists in providing dental care through work based learning; students must provide their own transportation to rotation sites. When a student successfully completes one year of this program he/she will have the knowledge and skills to take the Dental Assisting National Board (DANB) Infection Control examination. The Indiana State Dental Health Department has approved the JELCC Dental Radiology program. As a result, if a student successfully completes two years of this program he/she will be eligible to take the DANB Radiation and Safety examination, and become certified in the state.

A sample of first year topics/activities:

- Basic skills of chair-side and laboratory assisting.
- Study dental theory in anatomy and terminology.
- Review of current job opportunities.
- Hands-on experience.
- Assignment to local dentist offices.
- Development of a career portfolio.

A sample of second year topics/activities: for Dental Assisting Career Path

- Raise overall skills.
- Explore specialty areas in dentistry.
- Learn "expanded skills" in the JEL clinic and job setting.
- Office Management.

A sample of second year topics-activities: for Dental Lab Career Path

- Explore specialty areas in dental laboratory.
- Shadowing experience in commercial labs in a variety of areas.
- Develop skill in inventory systems using computer programs.

Supply cost to student: Approximately \$45 for uniforms and other supplies. Students must also get a Hepatitis B vaccination.

DIGITAL DESIGN & ADVERTISING

One year program, two or three hours per day

Prerequisite: none (Beneficial to have had high school level art classes)

Related College or Technical School Majors: Advertising, Animation, Art, Fashion Design, Illustration, Interior Design, Graphic Design, Print Media, Screen Printing, Web Design, and Visual Communications

Job Opportunities: Graphic Designer, Advertising, Freelance Artist, Illustrator, Art Director, Vinyl Artist, Web Designer, Web Developer

Dual credit available

ATTENTION, seeking creative students who want to learn hands on how to combine their love of art into a well paying career. Digital Design & Advertising is the place to start. Many companies seek designers that not only possess graphic design skills but who as versatile in many other areas as well. This class offers a unique blend of so many projects from traditional design to the latest trends like memes, emojis and gifs. Whether a beginner or experienced in computer design, students who enjoy drawing or creating computer art will find this class rewarding.

- Design graphics for logos, t-shirts, advertising, and promotional items
- Participate in design competitions and work with real clients
- Develop an exciting and creative portfolio to advance your college and career opportunities.
- Incorporate a variety of visual art techniques while learning state-of-the-art computer software .
- Get informed by many guest speakers both in industry & post secondary education

No previous computer design experience is necessary!

Supply cost to student: NONE!!!! An art kit will be provided containing all the supplies needed for the class, including a student membership in the National SkillsUSA youth organization, and also our class shirt that the students design, vote on, and work with a screen printer to produce.

Certifications: Precision Exams – Commercial Advertising & Art • PrintEd/SkillsUSA Competencies
Pathways: Advertising Designer • Illustrator • Vinyl Artist • 3D Animator • Graphic Designers • Multimedia Animators • Desktop Publishers • Art Directors • Advertising & Promotion • Marketing Managers • Printers

EDUCATION CAREERS

One or two year program, 3 hours per day

Recommended: Child Development or Advanced Child Development; Students must have a criminal background check, TB test and physical.

Related College or Technical School Majors: Early Childhood Education, Elementary Education, Child Development Associate certificate

Job Opportunities: Teaching Assistants, In-home Childcare, Nanny, Camp Counselor
Dual Credit Available

The primary focus of this class is to prepare high school students for entry-level positions in early childhood related fields and to provide the foundation for study in higher education that leads to child-related careers. Students will study various aspects of child development, how to plan and supervise activities for young children, administrative structure, operational procedures of child care centers. Class time is divided between formal class work, independent study and



volunteer work in the J. Everett Light Child Care Center. During the second year, students will participate in an internship at a local child-care center or elementary school.

A sample of first year topics/activities:

- Become familiar with child care licensing regulations.
- Volunteer in the child care center a minimum of one day per week.
- Develop and teach activity plans.
- Design a learning center.

A sample of second year topics/activities:

- Volunteer in the child care center a minimum of two days per week.
- Create materials for learning centers.
- Develop unit plans.
- Write lesson plans.
- Lead activities in the child care center.
- Create child care schedules and six week internship.

Supply cost to student: Physical Exam (cost varies), TB test \$10-\$15, Criminal History Background Check (\$40).

EMERGENCY MEDICAL TECHNICIAN (EMT)

One year program, 3 hours per day

Prerequisite: None

Related College or Technical School Majors:

Pre-Medicine, Nursing, Paramedicine other medical opportunities

Job Opportunities: EMT, hospitals, fire departments,

Ambulance service

Dual Credit Available

Anatomy and physiology of the human body will be covered in great detail. Clinical experiences include ride out on ambulances and in an emergency department. A variety of rescue techniques, ambulance operations and hazardous material awareness will also be taught. Upon successful completion of this course, students will be qualified to take the National Registry Exam. There is a mandatory criminal background check, drug screen and TB testing. Students may be 17 years of age to take the National Registry Exam. Students must be 18 years of age to obtain certification once passed.

Supply cost to student: Approximately \$100 for uniform and other items.

EMS, FIRST RESPONDER

One semester program (first semester), 3 hours per day

Prerequisite: None

Related College or Technical School Majors: Pre-

Medicine, Nursing, other medical opportunities

Job Opportunities: Hospitals

This course is an introduction to EMT. At the conclusion student may opt to continue for rest of the year and get EMT certification. Students will be taught the skills to act in a time of emergency that could save someone's life. This semester course will teach skills such as airway management, splinting of fractured bones, actions to take in respiratory emergencies, Adult, Child & Infant CPR, how to take blood pressures and vital signs. Student may apply for internship possibility for second semester. State certification available at completion of course for student. There is a mandatory criminal background check. Must be 14 years of age to become an EMR.

Supply cost to student: Approximately \$100 for uniform and other items.

HEALTH CARE CAREERS, CNA: HEALTH SCIENCE II

One year program, 3 hours per day

Prerequisite: none, but students must have a TB test, criminal background check. Social Security number needed for CNA certification

Related College or Technical School Majors: Nursing, LPN, various other medical opportunities

Job Opportunities: Nursing homes, Hospitals, Medical Clinics

Dual Credit Available

The Health Care Careers Program has a two-fold objective; it prepares students for entry-level certified nursing assistant (CNA) positions in health care facilities. The students will learn 72 patient care skills along with classroom and clinical hours required to sit for the Indiana State Certified Nurses Aide exam. The class will also provide an exploration of the various careers in the health care industry. In addition, this course provides an academic foundation in anatomy and physiology, medical terminology, infection control, human growth and development, and communication. Upon successful completion of this course, students will be qualified to take the state certification test.

A sample of first year topics/activities:

- Participate in occupational/professional organization (HOSA).
- Understand concept of health care team.
- Clinical experience in CNA field.
- Describe the structure & function of each body system.
- Define, pronounce, spell medical terms.
- Determining a patient's vital signs.
- First aid practices.
- Assisting patients with activities of daily living.
- Field trips to health care facilities, local post secondary campuses.
- Internships.
- CPR certification.

Supplies needed by student:

Physical Exam and immunization record

2 step TB testing

Indiana State Police Criminal history check

Uniforms required, approximately \$60

HEALTH CAREERS EXPLORATION:

HEALTH SCIENCE EDUCATION I

Recommended Grade Level: Grades 10, 11, 12

Recommended Prerequisite: NONE

Credits: 2 per semester, maximum 4 credits

Counts as a Directed Elective or Elective for the General, Core 40, Core 40 with Academic Honors and Core 40 with Technical Honors diplomas

Dual Credit Available

Health Career Exploration content includes skills common to specific health career topics such as patient nursing care, dental care, animal care, medical laboratory, public health, an introduction to health care systems, anatomy, physiology, medical terminology, vital signs, CPR certification. Leadership skills developed through HOSA participation are also included.

INFORMATION TECHNOLOGY: CYBER SECURITY, CODING, & NETWORKING

One year program, 3 hours

Related College or Technical School Major: Computer Networking, Cyber Security, Web Development, Coding

Job Opportunities: Computer Programmers, Web Developers, Computer Hardware Engineers, Cyber Security Consultant

Dual Credit Available

Cyber Security, Networking, and Coding! In this IT Pathway course, you will explore the world of Information Technology then, choose a focus point: Cyber Security, Networking, or Coding. Utilize CISCO software and participate in hands-on activities. Immerse yourself into projects related to authentic challenges and solutions found in current IT careers. Jumpstart your college and career goals by earning dual credits and certifications. Certifications: CCENT, CLA, CCNA CyberOps, and COMP TIA Security

INTRODUCTION TO CULINARY ARTS & HOSPITALITY

One Credit Each Semester, Fall & Spring Semesters

Discover your inner chef! Gain hands-on cooking and baking



experiences. Establish understanding of nutrition, recipe development, uniform knife cuts, basic cooking techniques, table service, and career possibilities. Learn skills and techniques necessary to succeed in a professional kitchen. Build your resume by working towards earning a Culinary Arts Pre-PAC certification.

INTRODUCTION TO ENGINEERING AND DESIGN

Grade level 9-12

One credit each semester, year course

This is an introductory class where students become familiar with the engineering design process. Students work both individually and in teams to design solutions to a variety of problems using industry standard sketches and current 3D design and modeling software to represent and communicate solutions. Students apply their knowledge through hands-on projects and document their work with the use of an engineering notebook.

LAW ENFORCEMENT

One or two year program, 3 hours per day

Prerequisite: None

Related College or Technical School Majors: Law Enforcement, Homeland Security, Criminal Justice
Job Opportunities: Police Officer, Sheriff Deputy, Federal Agent, Detective, SWAT Officer

Dual Credit Available

The Law Enforcement program is designed to provide the knowledge and skills necessary to enter the Criminal Justice field. Students will study basic fundamental aspects of the criminal justice system and how they apply in today's society. Training is based on standards and content similar to that provided by law enforcement academies and agencies. This program will cover such topics as forensic science and crime scene investigation. Oral and written communication skills will be reinforced through activities that model public relation and crime prevention efforts. Students will be held to a high standard of conduct, academic achievement and performance. This course will be a challenging one requiring hands-on lab activities and role play exercises designed to reinforce learning objectives.

Supply cost to student: Students purchase required uniforms through JEL within the first two weeks of school. Cost is approximately \$75 for pants and custom uniform shirt.

MEDIA ARTS PRODUCTION (NC ANNOUNCEMENTS)

One or two year program, 2 hours per day

Dual credit available

Considering a career in Television, Radio or Video Production? Have you ever wondered what it takes to make your favorite television show, news program or sportscast come to life? If so, this hands-on class is for you! Learn essential, behind-the-scenes skills as you direct, produce, write and record videos for the Daily Announcements, radio spots for our radio station (WJEL 89.3) and sports productions for the MIC Network. As an on-air star of the Daily Announcements, you will experience what it takes to shine as a news anchor or reporter. You will use software and equipment that is currently used by professionals in our 10 state-of-the-art audio/video recording bays, TV studio and radio station. Participating in this class will give you the advantage you need to be successful in college, or even jumpstart your career!

MEDICAL ASSISTING

One year program, 2 hours per day without clinical experience or 3 hours per day with clinical experience.

Prerequisite: None.

Job Opportunities: Medical offices, Clinics, Pharmacies, Outpatient facilities

Dual Credit Available

The Medical Assistants' curriculum offers students an introduction to the allied health fields. Students will explore a number of health related disciplines and learn associated entry level skills. Students will learn to assist in the performance of diagnostic procedures and physical examinations. Students will also learn to assist with patient

education and the business of medical practices. Varied instructional strategies are used to learn medical terminology, anatomy and physiology, pharmacology, health maintenance and disease prevention. Successful completion will result in CPR certification. Students will experience classroom instruction and practical hands-on experience in an actual school clinic if they choose the three hour version of the class.

Supply cost to student: Scrubs, one set, \$30.

MUSIC-SOUND PRODUCTION

One or two year program, 2 hours per day

First year Prerequisite: None

Second year prerequisite: Instructor Permission

Related College or Technical School Major: Recording Arts, Audio Engineering, Audio Production

Job Opportunities: Sound engineer, production

assistant, creative producer, audio production, sound crew technician

Dual Credit Available

Any successful career in the Music Industry starts with a passion for music and a solid foundation of digital audio recording and mixing skills. If you have dreams of being a music mogul like Jay Z or Taylor Swift, then this class is for you! In Music/Sound Production, you will produce creative music and mixes with instruments and cutting-edge software used in the recording industry. Through class projects, you will develop skills in music composition, engineering, sound editing, mixing and movie soundtrack creation. You will even have the opportunity to participate in the organization, production and marketing of a live concert each semester. Or maybe your dream is being a performer? You will also have an opportunity to showcase your talent in live performances or on our in-house radio station (WJEL 89.3). This class will provide you with the essential skills to give you a head start on your future!

Software learned: Pro Tools, Ableton Live, Native Instruments, Garage Band.

PHARMACY TECHNOLOGY

One year program

Related College or Technical School Major: Pharmacy, Nursing, and Health Care

Job Opportunities: Pharmacy Assistant

Dual Credit Available

Personal Transportation Required; Class is Located at Ivy Tech

Thinking about a career in medicine? Successful completion of this 2 semester program will provide the necessary tools to become a Pharmacy Technician and assist licensed Pharmacists in providing medication to patients. Knowledge about medications and their uses is a great stepping stone to post-secondary schooling in all medical fields. Topics include: therapeutic uses of medications, drug classifications, pharmacy language and sig codes, dosage calculations, law and ethics, purchasing inventory control, and record keeping. Hands-on labs include: data entry, reading and filling prescriptions in retail and inpatient settings, inventory practices, sterile procedures, and compounding. Students will gain leadership and employability skills through HOSA participation.

PRINCIPLES OF ENGINEERING

Grade level 9-12

One credit each semester, year course

Principles of Engineering is a hands-on course designed to provide students interested in engineering careers to explore experiences related to specialized fields such as civil, mechanical, and materials engineering. Students will engage in research, development, planning, design, production, and project management to simulate a career in engineering. Classroom activities are organized to allow students to work in teams and use modern technological processes, computers, CAD software, and production systems in developing and presenting solutions to engineering problems.



VETERINARY ASSISTING

One or two year program, 3 hours per day

Prerequisite: *Biology*

Personal transportation to clinical site required for clinical assignment.

Related College or Technical School Majors: *Veterinary Science, Veterinary Technician*

Job Opportunities: *Veterinary Assistant*

Dual Credit Available

This program offers the opportunity of a one-hour academic credit in Advanced Life Science: Animal Science for each semester. Students also will be offered an introduction to the science and art of providing professional support to veterinarians. Advanced Veterinary Assisting is offered the second year to give the students greater depth into veterinary nursing. Students will also be introduced to post-secondary opportunities in Veterinary Science. Hands-on experiences will be provided via extended laboratory opportunities in veterinary offices, hospitals, local shelters and stables. Students will also be given the opportunity to join the professional youth organization of HOSA: Future Health Professionals. They will elect officers, hold meetings, fund raise and do community service projects. These activities are included in the classroom curriculum. They may also qualify to participate in the State Leadership Conference and Competition held in April. In August 2017, JEL celebrated the opening of our onsite Veterinary Clinic for real world experiences.

A sample of first year topics/activities:

- Restraint Techniques
- Fecal Collection and Flotation
- Admitting and Discharge
- Wound Management
- CPR/First Aid
- Topical Application of Medication
- Bathing Dogs and Cats

A sample of second year topics-activities:

- Surgical Gowning and Gloving
- Preparation of Surgical Packs
- Positioning and Prepping for Surgery
- Venous Blood Draw
- Subcutaneous Injections
- Physical Exam
- Restraint and Grooming of Horses
- Physical Exam of Birds

Supply cost to student: Scrubs: one set \$42.00 and White Leather Shoes: \$30.

WELDING

One or two year program, 2 or 3 hours per day

Prerequisite: *none*

Related College or Technical School Majors: *Industrial Management, further Welding Certifications*

Job Opportunities: *Heavy construction, racing industry, oil industry, self-employed contractor, aircraft maintenance, fabricator*

Dual Credit Available

This program is designed to prepare students to join the workforce or continue their education. The main emphasis is placed on theory and practice of shielded metal arc welding, gas metal arc welding, gas tungsten arc welding, oxy-fuel cutting. Students are also instructed on general shop safety and how to set up and use various hand and power tools safely. The welding program follows the American Welding Society (AWS) guidelines, which offers students the opportunity to earn an AWS certification. This certification will be recognized throughout the United States, Canada, and much of the world. A trained welder has many opportunities for a rewarding career in the industry or he/she can become self-employed. The experienced welder makes excellent wages, but must be willing to

College Credit Agreements for J. Everett Light Courses

It is possible to earn college credits while enrolled in our classes. The classes listed below offer this opportunity. Dual credit is dependent upon successful completion of the course. It is important that students check with our teachers at the beginning of the school year for specific course credit. Typically, these agreements require the student earn at least a "B" grade for each semester to qualify for college credit.

Advanced Manufacturing Technology & Engineering
Airport & Aviation Management
Animation & Film Production
Auto Collision Repair
Auto Service Technology
Cosmetology
Culinary Arts Careers
Dental Careers
Digital Design and Advertising
Education Careers
Emergency Medical Technician (EMT)
Health Care Careers, CNA
Health Career Exploration
Information Technology: Cyber Security, Coding & Networking
Law Enforcement
Media Arts Production
Medical Assisting
Music/Sound Production
Veterinary Assisting
Welding

work under conditions that often require strenuous physical activity.

A sample of first year topics/activities:

- First year welding will learn how to use oxy-fuel torches.
- Shielded metal arc welders.
- Gas metal arc welders.
- Students will also learn basic shop math and blue print reading.

A sample of second year topics-activities:

- Learn how to flux core arc weld.
- Gas tungsten arc weld.
- Various leadership skills needed to use in the weld shop.
- Basic fabrication.

Supply cost to student: Cost of gloves, safety glasses, work boots.

WORK BASED LEARNING (WBL), MULTIPLE PATHWAY AND WORK BASED LEARNING: HEALTH CAREERS

1-3 credits, 3 hours

11th and 12th grades

Prerequisite: Preparing for College & Careers and 4 credits earned in related CTE pathway.

Hours vary according to job site requirement.

Career-Technical class credit highly recommended.

Students have the opportunity to apply the concepts, skills, and dispositions learned in previous coursework in their pathways in real world business and industry settings. Current career-related employment required. Reliable and valid transportation required. There may be work site requirements (background check, drug test, etc.)



ENGLISH DEPARTMENT



COURSE OFFERINGS	GRADE	PREREQUISITE(S)
Advanced Composition ACP (W131) (Fall Semester)	12	Admission Standards of Indiana University, Bloomington
AP/IB English Language/Composition	12	AP/IB English Lit./Comp. or Academic Qualification, p. 10
AP/IB English Literature/Composition	11	English 10X or Academic Qualification, p. 10
English 9	9	None
English 9X	9	Recommended from Middle School
English 9	9	Recommendation from English Department
English 10	10	English 9 or 9X
English 10X	10	English 9X or Academic Qualification, p.10
English 10	10	English 9M or recommendation
English 11	11	English 10 or 10X
English 11S American Film Literature	11	English 10 or 10X
English 11	11	English 10 or recommendation
English 12	12	English 11
Expository Writing (1 Semester, Fall or Spring)	12	English 11, English 11S or AP/IB English Lit./Comp.
Humanities (1 Semester, Fall or Spring)	12	English 11, English 11S or AP/IB English Lit./Comp.
Genres of Literature ACP (L202) (1 Semester, Spring ONLY)	12	Admission Standards of IU-Bloomington and W131
Genres of Literature (1 Semester, Fall or Spring)	12	English 11, English 11S or AP/IB English Lit./Comp.
English 12S: World Film Literature (1 Semester, Fall or Spring)	12	English 11, English 11S or AP/IB English Lit./Comp.
SPEECH-REQUIRED FOR GRADUATION	9-12	None
Theory of Knowledge 1/2, 3/4	11-12	Requirement for International Baccalaureate Program

ENGLISH ELECTIVES	GRADE	PREREQUISITE(S)
Beginning Journalism (1 Semester)	10-11	None
Creative Writing	11-12	None
Critical Thinking 1/2	11-12	(Not sequential) A or B in previous English courses
Ethnic Literature	11-12	None
Etymology (1 Semester)	10-12	Open to sophomores and above
Print and Online Media	10-12	Beginning Journalism or Beginning Photography and/or permission of instructor
Yearbook	10-12	

Courses below do not count toward the 8-semester English requirement:

Beginning Journalism
Ethnic Literature

Creative Writing
Print and Online Media

Critical Thinking
Yearbook

Etymology

Courses below count as a Fine Arts credit:

Print and Online Media

Yearbook



English Department Policies

1. Students may proceed from one course level to the next, as long as they are doing passing work in the course.
2. Students who fail both semesters of one level of English will not proceed to the next level until at least one credit is earned at the level of failure.
3. Repeater sections are not offered during the school year; therefore, students who fail a course must repeat the course during summer school or take two required courses simultaneously (as long as they maintain passing grades in both courses).
4. Students who are not maintaining passing grades when taking multiple English classes will be withdrawn with grade penalty from the failing class after the first nine weeks. If a student is failing both English classes, the student will be withdrawn from the highest level English class, or the student will be withdrawn from the class that may be repeated in summer school.
5. Students may not substitute an elective course for a required failed course.
6. All seniors must take a composition course or a literature/composition combined course.
7. The department chairperson must approve all changes.

Course Descriptions

ADVANCED COMPOSITION ACP (W131)

One credit; Fall semester only

Students must enroll in the Advance College Project. Elementary Composition (W131) further develops and refines writing skills introduced in other Literature/Composition courses. This course prepares students for writing in a variety of college courses. The focus of the course is on writing from multiple sources to analyze an issue and argue a position. Skills include evaluating sources of information, summarizing sources, adopting a thoughtful position, advancing a clear thesis, and supporting one's views with evidence. This course receives a weighted grade. (See page 9 for ACP criteria.)

NOTE: Students who scored 670 or better on the SAT or 22 or better on the ACT qualify for an exemption from basic composition at IU Bloomington.

AP/IB ENGLISH LITERATURE/COMPOSITION

One credit each semester (Grade 11)

This Advanced Placement course engages students in the close reading and critical analysis of World Literature. Through the close reading of selected texts, students will deepen their understanding of the ways in which writers use language to provide both meaning and pleasure for their readers. Students will consider a literary work's structure, style, and themes as well as the skillful use of rhetorical and literary devices. Reading activities will include close reading for deep understanding and analysis as well as surface reading for background and pleasure. Students will write compositions that focus upon the critical analysis of literature. Students will also write expository, analytical and argumentative essays. Oral activities include group discussion, peer study groups and evaluated literary commentaries. This class will prepare students for the first year of the International Baccalaureate English A1 program as well as the English Literature/Composition Advanced Placement exam. This is the honors course for grade 11 and receives a weighted grade.

NOTE: Summer reading is required.

AP/IB ENGLISH LANGUAGE/COMPOSITION

One credit each semester (Grade 12)

This Advanced Placement course helps students become skilled readers of prose written in a variety of periods, disciplines, and rhetorical contexts and teaches students to write effectively for several purposes. In this course, students will read and write both formally and informally, examining a writer's purpose and an audience's expectations by analyzing literary conventions, rhetorical devices, and stylistic choices. Students will compose narrative, expository, and

argumentative process papers. All students will be required to write a multi-source research paper. Oral activities will include formal and informal presentations. This class will prepare students for the second year of the International Baccalaureate English A1 program as well as the English Language/Composition Advanced Placement exam. This is an honors course for grade 12 and receives a weighted grade. To be eligible for this class, students must have earned a minimum grade of C- in AP/IB English Literature and Composition or receive department chair approval.

NOTE: Summer reading is required.

ENGLISH 9 (1/2)

One credit each semester

English 9 is an integrated study of literature, composition, and oral communication. Students read a broad variety of literature of various genres focusing upon the modern novel, a Shakespearean play, non-fiction essays and biographical material, a collection of short stories and representative poetry of various modes as well as primary documents. In addition, students will both practice analysis of cinematic techniques and compose a variety of multi-paragraph expository compositions through the process of supplying a thesis, supporting details, and conclusion. Students study elements of grammar, usage, and mechanics within the context of their writing. Students will be expected to participate actively in oral communication activities: group discussion, peer learning groups, informal presentations, and formal classroom exhibitions. Students will maintain a writing folder. Word processing is encouraged through the use of the computer labs.

ENGLISH 9X (1/2)

One credit each semester

This integrated study of World Literature introduces the student to major themes, thinkers, and literary periods instrumental to the development of world literary masterpieces. Students will write narrative, creative, and expository compositions, including a fully documented research project. Oral activities will include peer group discussions, peer editing groups, and formal and informal presentations. This honors course receives a weighted grade.

NOTE: Summer reading is required.

ENGLISH 10 (1/2)

One credit each semester

English 10 is an integrated study of literature, composition, and oral communication. Students respond critically and reflectively to a



variety of full-length prose works thematically linked to other works of short fiction and poetry. Students are held responsible for cumulative concepts developed sequentially from English 9. Students prepare process papers that include the modes of expository, descriptive, creative, and narrative writing. Concepts of grammar, usage, mechanics, and style will be taught through the writing process. English 10 students will demonstrate mastery of a variety of pre-determined grammatical concepts. Oral communication skills are developed through the use of specialized topics, demonstrations, and the use of visual aids and technology. Students will maintain a writing folder.

ENGLISH 10X (1/2)

One credit each semester

Students will study a culturally-diverse set of texts with the specific intention of learning to make informed, evidence-based inferences and judgments. Specifically, students will learn to examine and criticize the underlying cultural and ethical assumptions that govern each work through written and oral communication. The purpose of this class is Socratic in nature; that is, students will learn to see themselves in the light of the literary and critical traditions they have inherited. Students will write a number of process papers in the expository, analytical, persuasive, and creative modes. Oral activities will include oral commentaries of significant passages, peer group discussions and projects as well as individual formal and informal presentations. This honors course receives a weighted grade.

NOTE: Summer Reading is required.

ENGLISH 11 (1/2)

One credit each semester

This integrated study of American literature, composition, and oral communication provides students an opportunity to analyze and critically evaluate core works reflecting a variety of American literary periods and genres so students distinguish literary elements in literature as well as reflect upon the cultural, social, economic, and political conditions of the times. In addition to the close reading of core works, students write compositions in a variety of forms, including persuasive, narrative, expository, and creative pieces. Students learn online and digital research skills and create a multimedia digital presentation. Oral activities include group discussions, small group projects, and classroom recitations as well as informal talks and one formal presentation.

ENGLISH 11S (1/2) AMERICAN FILM LITERATURE

One credit each semester

English 11S emphasizes the study of American film. The course is an alternative to English 11. All aspects of the class will be film-related. The first semester addresses the vocabulary, history, and technique of cinema. Students will read about, test for, and daily apply filmmaking terms. Major events and figures in the development of cinema will be introduced in textbook reading and teacher lecture. Students will also view, discuss, and write about landmark movies from every decade since the 1910s. First semester writing assignments will include a film summary, a film critique, a comparative critique of two films, and a film review. There will be a project in which the student writes a screenplay or produces an original film. Second semester will study thematic groupings of films. Novel and drama adaptations will supplement textbook reading. Second semester writings will include a comparative analysis of a film and the novel or play on which it is based, and a research paper tracing a relationship among several films. In addition, students will write two film reviews and put together a film marketing project.

ENGLISH 12 (1/2)

One credit each semester

This two-semester course is intended for students who wish to go to college, but whose writing skills may benefit from additional course work. This is a combination writing/literature course. A documented multi-source paper will be written during the first semester, and a capstone research paper will be completed during the second

semester. This course is designed to be a two-semester sequential composition course; both semesters are necessary to receive the complete curriculum. Word Processing will be used to support the writing instruction of this course.

EXPOSITORY WRITING--SENIOR CORE 40 OPTION

One credit; one semester

This course provides instruction and practice in types of informative writing intended to support the rigor of college preparation. Expository Writing includes essays of description, narration, analysis and persuasion as well as reports and research projects. This course emphasizes strategies for complete process writing including content revision, editing for standard usage, grammar, and mechanics, research skills and citation. Standard usage, grammar, and mechanics are emphasized in each writing assignment. This course utilizes word processing and slideshows as modes of presentation.

NOTE: Students should have maintained a C average in English classes to take this course.

HUMANITIES--SENIOR CORE 40 OPTION

One credit; one semester

In this course students will explore the connection among individuals and societies through artistic expression in such media as painting, sculpture, architecture, music, dance, drama, and literature. Students will study progress in the humanities from ancient to modern times giving particular attention to the interrelationships of human beliefs, values, social structures, and art through the reading of a variety of texts and individual multi-media research. Students will compose a variety of expository papers. Oral presentations will be formal and informal and students will be expected to present one or more projects or papers to the class. Students will be expected to take a variety of notes, both during class and from textbook reading assignments.

NOTE: Students taking this course should be capable of maintaining a C average in English classes.

SPEECH Required

One credit; one semester

This course is designed to give students an opportunity for growth in effective speaking, careful listening, outlining and critical thinking skills. Major assignments include introduction speeches, non-verbal communication, interviewing skills, informative speeches, impromptu speeches, and final required persuasive problem/solution speeches. The addition of the International Baccalaureate Middle Years Program Design Cycle requirements to SPEECH takes students through the process of Inquiring & Analyzing, Developing Ideas, Creating the Solution, & Evaluating in order to better appreciate the elegance and power of the design cycle.

THEORY OF KNOWLEDGE 1/2, 3/4

One-half credit each semester

This course is only open to International Baccalaureate Diploma candidates. The eight units of study (language, thought and perception; ethics; logic; mathematics; natural science; human science; history; and aesthetics) serve as the cornerstones of the IB program.

GENRES OF LITERATURE--SENIOR CORE 40 OPTION

One credit; one semester

This course provides the study of the techniques and conventions of various literary genres, such as poetry, drama, novel, short story, biography, journal, diary, and essay. The course explores the relationship between form and meaning, specifically how genre shapes our literary understanding and experience. In class discussion and presentations, as well as in writing assignments, students explore the limitations and special abilities of the different genres, ultimately building an appreciation of how genres enable and constrain the articulation of ideas. Students will be required to read a full-length novel and write a process paper of literary analysis.

NOTE: Students taking this course should be capable of maintaining a C average in English classes.



GENRES OF LITERATURE: LITERARY INTERPRETATION ACP (L202)

One credit; Spring semester only

Students must enroll in the Advance College Project. This course emphasizes a close, thoughtful reading of representative World Literature texts (poetry, drama, fiction, or non-fiction prose) drawn from a range of historical periods and countries. A major goal is to develop the ability to read and write with precision, responsibility, and imagination through class discussion and the writing of several short, critical responses. It is required that students have W131 prior to taking L202. This course emphasizes close reading, analytical thinking and critical written response. This course receives a weighted grade. (See page 9 for ACP criteria)

ENGLISH 12S WORLD FILM LITERATURE

One credit; one semester

English 12S is the senior-level "sequel" to English 11S, but whereas 11S focuses on American films, 12S examines movies from around the world. Although any 12S student would have benefited from taking 11S in the junior year, 11S is NOT a prerequisite for 12S. English 12S will move through the 20th and 21st centuries with a chronological focus on world film movements. The course begins with German Expressionism in the 1920s and the rise of British Cinema in the 1930s. From there, 12S students will view and discuss American Film Noir in the 1940s, Japanese and Italian films of the 50s, the French New Wave movement, the career of Ingmar Bergman, and representative films from Africa, Asia and Latin America. Various novels, plays, poems and stories will supplement film analysis. Finally, three film-based essays and various informal multi-paragraph responses will round out the writing component of the course. Students will also take a comprehensive midterm and final exam. Any senior taking English 12S must also enroll in either Expository Writing or W131 to fulfill the 12th grade English requirement.

English Electives

BEGINNING JOURNALISM (Elective)

One credit; one semester

This one semester course concentrates on newspaper, yearbook, magazine and online writing and production, including advertising, news writing, editorial writing, feature writing, sports writing and page design. The process of gathering, writing and editing news is covered throughout the semester.

Emphasis is also given to graphics and technology utilized in high school publications. Throughout the course, emphasis is given to the role of the media, ethics in the media, and the laws that govern both the student and professional press. Students will regularly work in teams. The class completes several major projects each semester.

NOTE: This course is designed for students who wish to be part of student publications. It is not recommended as a senior year elective.

CREATIVE WRITING (Elective)

One credit; one semester

Creative Writing is an English elective available to juniors and seniors. This one semester course will introduce students to the craft of writing poetry, fiction, and drama. Students will learn the forms and techniques of each genre, study contemporary examples and writers, and experiment with different writing styles. Students will be assessed on their understanding of the concepts as well as their ability to demonstrate the different modes of writing. There will also be regular workshops where students will share their writing and receive feedback from their peers. Students will maintain and submit a final portfolio of their best work to be assessed. In addition, students will submit their writing for publication, participate in an open-mic event, and attend the Visiting Writers Series at Butler University.

CRITICAL THINKING 1/2 (Elective)

One credit each semester

Critical Thinking requires a study of deductive and inductive logic, as Critical Thinking is designed to challenge a good student to think critically, analytically, and philosophically about issues in areas such as ethics, aesthetics, political judgments, metaphysics, and epistemology. The course is recommended for juniors and seniors who have made grades of A and B in AP English and mathematics classes. Active participation in class, including persistent questioning, rational discussion, and reasoned argumentation are essential for success in the class. There is reading homework every night and a philosophical paper is written each semester. Curiosity, open-mindedness, and tolerance are important. This course receives a weighted grade. Please see the Critical Thinking binder in the Guidance Office for a more complete description and further course details.

NOTE: This class is open to non-IB juniors and seniors only.

ETHNIC LITERATURE (Elective)

One credit; one semester

This course provides opportunities to broaden students' perspectives concerning lifestyles and cultural patterns of ethnic groups in the United States. The focus of this class will center on a variety of ethnic groups through reading both non-fiction and fiction. The course will use a comparative approach to the study of patterns of cultural development, immigration, and assimilation, as well as the contributions of specific ethnic or cultural groups. This class is open to juniors and seniors only.

ETYMOLOGY (Elective)

One credit; one semester

This course is designed to increase students' knowledge of vocabulary and usage. Students will use dictionaries extensively, improving their knowledge of pronunciation, variant definitions, and the linguistic origins of words. This course will assist college-bound students in preparing for the SAT and ACT exams. The course is open to sophomores and above.

NOTE: Students taking this course should be capable of maintaining a C average in English classes.

PRINT AND ONLINE MEDIA (Elective)

One credit each semester

This course is a laboratory course with all students involved in contributing to the production of The Northern Lights, the student newspaper and NCHS Live!, the student-run website. Students are responsible for reporting, interviewing, copy writing, editing, design and composition, advertising, photography and distribution of publication. Students must work efficiently under deadlines and be able to work corroboratively with the entire staff.

NOTE: Students must complete Beginning Journalism or Beginning Photography and/or have permission of the instructor. This course is co-curricular, requires students to maintain a 2.0 GPA, and satisfies the fine arts credit requirement.

YEARBOOK (Elective)

One credit each semester

This course is a laboratory course with all students involved in contributing to the production of the Northerner yearbook. Students are responsible for reporting, interviewing, copy writing, editing, design and composition, advertising, photography and distribution of publication. Students plan a thematic approach to cover the events of the school year. Students must be independent workers who work efficiently under deadlines and are willing to learn all aspects of yearbook production as a team approach.

NOTE: Students must have completed Beginning Journalism or Beginning Photography and/or have permission of the instructor. This course is co-curricular, requires students to maintain a 2.0 GPA, and satisfies the fine arts credit requirement.



CURRICULUM FLOWCHART FOR ENGLISH

9

One full year course from this list:

- English 9
- English 9X
(World Literature and Composition)

10

One full year course from this list:

- English 10
- English 10X
(British Literature and Composition)

11

One full year course from this list:

- English 11
(American Lit. and Composition)
- English 11S
(American Film Literature)
- AP/IB English Literature/Composition

Choose two one-semester courses or one full-year course from this list. Choices must include a semester of composition or a two semester Lit/Comp Course.

- Elementary Composition ACP (W131) one semester; Fall only
- AP/IB English Language/Composition
- Expository Writing, one semester; offered both semesters
- Humanities, one semester; offered both semesters
- Genres of Literature ACP (L202), one semester, Spring only
- Genres of Literature, one semester, offered both semesters
- English 12S (World Film Literature), one semester, offered both semesters

12



ENGLISH AS A NEW LANGUAGE (ENL)



The certificate of multilingual proficiency will be offered during the 2019-2020 school year. The Certificate of Multilingual Proficiency is an award designating that a student has attained a high level of proficiency in one or more languages in addition to English. This designation will appear on the student's transcript for use by universities and employers.

COURSE OFFERINGS	LEVEL OF PLACEMENT BY WIDA TESTING
Newcomer 1/2	Newcomer
ENL 1/2 (Beginner)	Beginner
ENL 3/4 (Intermediate)	Intermediate
ENL 5/6 (Advanced)	Advanced
Beginning Reading 1/2	Beginning Reading 1/2
Advanced Reading 1/2	Advanced Reading 1/2

Course Descriptions

ENL 1/2 (BEGINNER)

Two credits each semester

This class is designed for students who speak little English, most of whom have had very little prior instruction in English (1 – 3 semesters). Speaking and pronunciation as well as basic literacy skills are the main focus of this class.

ENL 3/4 (INTERMEDIATE)

One credit each semester

This class is designed for students who have had some background and instruction in English. Students are introduced to literature that is similar to that in a grade 9/10 English classroom. Reading, writing, listening, and speaking are incorporated into each class, with an emphasis on developing academic English skills.

ENL 5/6 (ADVANCED)

One credit each semester

This is an advanced course, designed to tran-

sition students into a full schedule of college prep classes. The focus is mainly providing students with the background and support they may require for fulltime content classes. The purpose of the class is to further develop academic reading, writing and speaking skills, as well as other strategies required for academic success, such as effective listening and note-taking. Assignments in other classes (e.g., research papers) frequently form the basis of instruction in this class. Students are introduced to literature that is similar to that in a grade 9/10 English classroom.

ADVANCED READING 1/2

One credit per semester

This course is designed for advanced level students who have basic literacy skills in their first language, have mastered the English alphabet and know basic sight words. Advanced level students will receive extra reading support, with an emphasis on developing the strategies required for academic reading.

NEWCOMER 1/2

Three credits per semester

This class is designed for students who speak little or no English and have little or no formal education or literacy in their native language. Most of these students will have moved to the United States within the past year. Speaking skills and coping skills, as well as basic literacy and math skills are the main focus of this class.

SHELTERED COURSES ARE OFFERED IN ENGLISH, SOCIAL STUDIES, MATHEMATICS AND SCIENCE

Sheltered courses are adapted, not modified, content courses that are for ENL students only. Sheltered English 9 and 10 should be taken with either ENL 3/4 or 5/6. Students will receive Core 40 credits for sheltered courses.

ENL Levels 1-4						
NEWCOMERS	ENGLISH	MATHEMATICS	SCIENCE	SOCIAL STUDIES	OTHER CORE CLASSES	ELECTIVES
Newcomer Program • 3 credits — Newcomer class • Sheltered Algebra 1st semester based on placement test. • Sheltered World Geography • Sheltered P.E. • 1 of these electives: choir, dance or weights • Learning Center 1st semester if student is NOT in Sheltered Algebra	ENL Levels 1-4 & Sheltered English 9 for WIDA reading levels 2-3 or CP ENG 9 for WIDA reading level 4 or ENL 1/2 Newcomers for level 1 ENL Reading	ALGEBRA 1/2 Sheltered Levels 1-3 CP Level 4	EARTH & SPACE Sheltered Levels 1-3 CP Level 4	WORLD GEO grade 9 or 10 Sheltered Levels 1-3 CP Level 4	HEALTH Levels 2-4	WORLD LANGUAGE Levels 3-4
		GEOMETRY Sheltered Levels 1-3 CP Level 4	ICP Sheltered Levels 1-3 CP Level 4	U.S. History Sheltered for WIDA reading levels 1-3 CP for WIDA reading level 4	P.E. Levels 1-4	JROTC Levels 1-4
		ALGEBRA 3/4 Sheltered Levels 1-3 CP Level 4	BIOLOGY Sheltered for WIDA reading levels 1-3 CP for WIDA reading level 4	GOV/ECON Sheltered for WIDA reading levels 1-3 CP for WIDA reading level 4	SPEECH Levels 3-4 If student is a senior levels 1-4	PERFORMING ARTS Choir Levels 1-4 Piano Lab 2-4 Band/Orchestra if prior training Levels 1-4
		ENL Levels 1-4 & Sheltered English 10 for WIDA reading levels 2-3 or CP ENG 10 for WIDA reading level 4 or ENL 1/2 Newcomers for level 1 ENL Reading	Additional Math classes	Additional Science classes	Additional Humanities classes	P.E. Electives Weights, Dance, Fitness Levels 1-4
	ENL Levels 1-4 & Sheltered ENG 11 for WIDA Links reading levels 1-3 CP ENG 11 for WIDA reading level 4					TEXTILES & FASHION Levels 1-4
	ENL Levels 1-4 & Sheltered ENG 11 for WIDA reading levels 1-3 CP ENG 11 for WIDA reading level 4					NUTRITION Levels 1-4
						THEATRE ARTS Levels 2-4
						ADULT ROLES Levels 3-4
						INTRO TO ART Levels 2-4



FAMILY & CONSUMER SCIENCE



COURSE OFFERINGS	GRADE	PREREQUISITE(S)
Adult Roles and Responsibilities (Semester 2 — Spring)	9-12	None
Advanced Child Development (Semester 2 — Spring)	9-12	Child Development suggested
Child Development (Semester 1 — Fall)	9-12	None
Interpersonal Relationships (Semester 1 — Fall)	9-12	None
Introduction to Culinary Arts & Hospitality (Fall-Spring)	9-12	None
Introduction to Fashion and Textiles 1 (Semester 1 — Fall)	9-12	None
Introduction to Fashion and Textiles 2 (Sem. 2 — Spring)	9-12	Introduction to Fashion and Textiles 1
Preparing for College and Careers (Fall-Spring)	9-12	None



Course Descriptions

ADULT ROLES AND RESPONSIBILITIES (Elective)

One credit; Spring semester

Students will address and build knowledge, skills, and behaviors necessary as they prepare to become adults. The focus of this course is on becoming independent and responsible participants in family, community, and career settings. Topics include: getting along with others in the home and workplace, career awareness, budgeting, and making wise consumer choices in the areas of nutrition, housing, and transportation.

ADVANCED CHILD DEVELOPMENT (Elective)

One credit; Spring semester

Suggested prerequisite: Successful completion of Child Development.

Students will address more complex issues of child development and early childhood education. The emphasis will be on guiding physical, social, emotional, moral and intellectual development of young children. Topics include: positive parenting and nurturing techniques, age-appropriate toys and activities, and guidance strategies. The course also focuses on health and first aid for children.

CHILD DEVELOPMENT (Elective)

One credit; Fall semester

Students will address the knowledge, skills, attitudes, and behaviors needed to support and promote the growth and development of infants and children. Topics include: responsibilities and challenges of parenthood, human sexuality, teen pregnancy, prenatal development, preparation for birth and the birth process. Parent challenges in meeting the physical, social, emotional, moral and intellectual needs of infants and young children will be studied. Experiences include the observation of the children enrolled in the JELCC Child Care Center located at the Hilltop School. Students, who qualify, may participate in caring for an infant simulator baby during an overnight assignment to experience parenting first hand.

INTERPERSONAL RELATIONSHIPS (Elective)

One credit, Fall Semester

Students will address the skills, attitudes, and behaviors needed to

participate in positive, caring, and respectful relationships. The focus of this course is on maintaining relationships with families and with others. Topics include: fostering self-esteem, positive attitude, effective communication, decision-making, stress management, conflict reduction, and identifying violence and abuse in relationships.

INTRODUCTION TO CULINARY ARTS & HOSPITALITY (Elective)

One Credit Each Semester, Fall & Spring Semesters

Discover your inner chef! Students will gain hands-on cooking and baking experiences. Establish understanding of nutrition, recipe development, uniform knife cuts, basic cooking techniques, table service, and career possibilities. Learn skills and techniques necessary to succeed in a professional kitchen. Build your resume by working towards earning a Culinary Arts Pre-PAC certification.

INTRODUCTION TO FASHION AND TEXTILES 1/2 (Elective)

One credit each semester, Fall & Spring semesters

Students will address the knowledge and skills related to design, production, and purchasing of clothing and textiles. The social and cultural influences on clothing selections and the consumers' available choices in fashion and textiles will be topics covered. The equipment, tools, and terminology used in clothing and accessory creation will also be included. There is a lab fee for this course. Students will be responsible for purchasing their sewing project materials.

PREPARING FOR COLLEGE AND CAREERS (Elective)

One credit; Fall and Spring semester

Students will address the knowledge, skills, and behaviors all students need to be prepared for success in college, a career, and in life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics include: exploration of personal aptitudes, interests, values, and goals; examining life roles and responsibilities, learning employability skills, and transferring school skills to college and career. This course is one of the courses specified in the sequence of courses for all Career Clusters and all of Indiana's College and Career Pathway Plans.



GUIDANCE DEPARTMENT



The Guidance Department staff of North Central High School is dedicated to helping students make good decisions throughout their high school years. Ten licensed Guidance Counselors, a coordinator of college and career counseling, scholarship coordinator/college secretary, two social workers and two secretaries work together to deliver a variety of services. Guidance programs are generally divided into the areas of academic planning, career and post-secondary planning, student support services, and college admission planning.

Academic Planning, the process by which students choose their four-year course of study at North Central, involves the following:

- Group presentation of curriculum information
- Explanation and distribution of the yearly North Central Course Catalogue
- Course selection process involving teachers, students, parents, and counselors
- Individual conferences for academic planning
- Explanation of graduation and special diploma requirements
- Administration of ISTEP+ and grade 10 assessment
- Completion of 4-year career & academic plan

Planning

- Career interest inventory
- Use of computer software for career interest determination
- Job Fair at JEL Career Center
- Individual Career Goals on course selection sheet

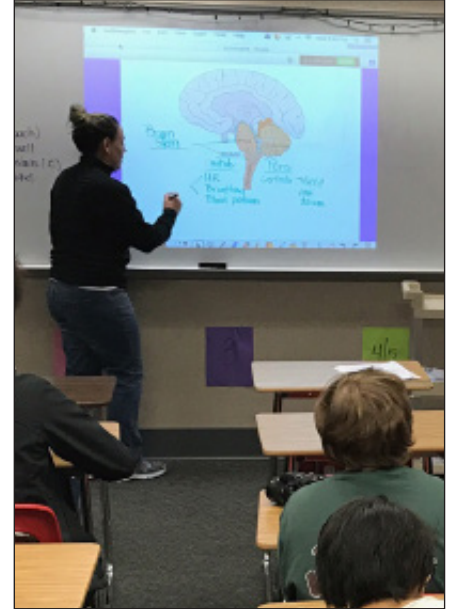
- Exploration of career interest through selected coursework
 - Career search website information available
- Student Support Services**
- Study skills seminars
 - Support resources: grief/loss, divorce, pregnancy/parenting
 - Freshman conferences
 - Senior conferences
 - Grade 8 to 9 transition activities

College Admission Planning

- College admission process presentations for students and parents, grades 9-11
- Grade level checklists of college planning activities
- College search/website information available
- College and Career Resource room open to students and parents
- Processing of college applications and NCAA Eligibility forms
- College representatives visiting North Central High School campus
- College entrance testing guidelines: PSAT, ACT, SAT, Career Assessments
- Advanced Placement and International Baccalaureate exams
- Guidelines for college essays, resumes, campus visits, interviews
- Financial aid/scholarship information, newsletters and applications



HEALTH/PHYSICAL EDUCATION & JROTC



COURSE OFFERINGS	GRADE	PREREQUISITE(S)
Physical Education	9	None
Health	9	None
Junior Reserve Officers Corp 1	9	None
Junior Reserve Officers Corp 2	12	JRTOC 1
Junior Reserve Officers Corp 3	9	JRTOC 2
Junior Reserve Officers Corp 4	9	JRTOC 3
Junior Reserve Officers Corp 5	9	JRTOC 4
Junior Reserve Officers Corp 6	10	JRTOC 5
Junior Reserve Officers Corp 7	10	JRTOC 6
Junior Reserve Officers Corp 8	10	JRTOC 7
ELECTIVES	GRADE	PREREQUISITE(S)
Introduction to Dance**	10-12	None (See Health/JROTC Listing)
Advanced Dance	10-12	2 Semesters of required Physical Education; Audition
Fitness	10-12	2 Semesters of required Physical Education
Weight Training	10-12	2 Semesters of required Physical Education

**** Intro to Dance meets the fine arts requirement for an honors diploma.**

***** Waiver for Physical Education: One semester of the Physical Education requirement may be earned by taking JROTC, Marching Band or IHSAA Athletics (including Cheerleading, Lacrosse and Rugby).**

NOTE: If a student finishes his/her 2 credit requirement in PE by the end of semester 1, he/she may then take a PE elective during semester 2.

Course Descriptions

PHYSICAL EDUCATION

One credit each semester. Two Semesters Required.

ONLY ONE SEMESTER'S CREDIT MAY BE EARNED DURING SUMMER SCHOOL.

Receive a waiver for Physical Education: One credit may be earned by taking JROTC, Marching Band, or participating in an IHSAA sponsored Athletic Team or a school sponsored team such as Cheerleading, LaCrosse, or Rugby.

Students enrolled in basic PE must wear the school approved uniform available in the North Central Bookstore. Additionally, students are required to wear athletic socks and soft soled tennis shoes (UGG boots and flip flops are not allowed).

Note, students who receive a WF (withdraw with failure) for violating the No Dress Policy in PE are not be permitted to take more advanced PE offerings (Dance, Fitness, and Weight Training) until both credits of basic PE have been earned. Department chair approval is also required.

Students beginning the Physical Education program will find a heavy emphasis on personal conditioning and fitness testing. Running, sit-ups, push-ups, and stretching receive daily attention as warm-up activities. Team sports include soccer, volleyball, softball, and

basketball. Individual sports activities include tennis and track. Optional games may be used periodically at the discretion of the teacher. Students receive instruction covering the rules and basic skills necessary to play the games effectively and safely. Students will also receive instruction in all levels of swimming. Incoming freshmen are expected to complete the two semester Physical Education requirement within the first two years of high school.

HEALTH (One semester required)

One credit

The basic objectives of this course are to provide the student with sufficient knowledge of anatomy and physiology to understand the structure of his/her body and its functions, to provide practical information relating to infectious diseases and modern methods of their treatment and prevention, to motivate the student in pursuing and improving his/her own health, and to introduce the student to some of the public health and environmental problems of today. Included in the class are units of study concerning alcohol, emotions and development of personality, the body systems, physical fitness and safety, human reproduction, public health problems, personal hygiene, healthy foundations, mental and emotional health, nutrition, substance abuse, diseases and disorders.





JR. RESERVE OFFICERS TRAINING CORPS 1-8

One credit each semester

JROTC courses are taken sequentially with the following exceptions: a student may enter JROTC 3 without the completion of JROTC 2 if he or she has the permission of the instructor; JROTC 5-8 may be taken concurrently to permit students to complete the four-year course during senior year. There is no service obligation associated with the course; however, Advanced Placement in college ROTC or enlistment in an advanced rank in an Armed Force is permissible as a result of JROTC. A nominal student fee is charged each semester, but uniforms and books are loaned by the school. Parental statement of a student's liability for their student's physical fitness is also required. The standards of fitness similar to those for Physical Education courses will be used. Specific course descriptions are as follows:

JROTC 1

This course emphasizes instruction in the following areas: introduction to JROTC and the Army, hygiene and first-aid, map reading, weapons, weapon safety and marksmanship, leadership development and drill, and methods of instruction.

JROTC 2

This course reinforces the subjects taught in JROTC 1 and introduces optional subjects related to military leadership knowledge and skills.

JROTC 3/4

Instruction is at the intermediate level of map reading, marksmanship, leadership development, and drills methods of instruction. Also leadership theory and the history of United States conflicts and battalion organization are presented.

JROTC 5/6

This course emphasizes the applied level of map reading, marksmanship, leadership development, and drills methods of instruction. Leadership psychology, management, and Army development are presented. Students are oriented in military advanced skills such as ballistics, automotive principles, mountaineering, and field crafts.

JROTC 7/8

The advanced level requires the student to serve in leadership and staff positions wherein all learned skills and training are used to aid in the functioning of the cadet battalion.

Electives

Required physical education courses (2 credits) must be completed before enrolling in an elective class.

If enrollment is not sufficient, elective classes will be canceled.

ADVANCED DANCE (Elective)

One credit

This is an audition based class for the student who displays an advanced knowledge of technique in one or more areas of dance and wants to develop a broader base in other areas of dance, as well as more proficiency in the existing styles. These students will study, rehearse, and perform dance from the medium to advanced level. Student comprehension will follow the expectations set forth through the IB assessment rubric. Dance Ambassadors will serve as role models in the community to bring a better understanding of the dance art form to the public, as well as offer workshops for students in the district who might not otherwise get the opportunity to experience dance instruction.

FITNESS (Elective)

One credit

This class is designed to have students use techniques associated with improving cardiovascular conditioning, weight training techniques, and flexibility. Each student must complete the PE requirement prior to enrolling in the class.

INTRODUCTION TO DANCE (Elective)

One credit

This course is designed to create enthusiasm and confidence in stage movement and performing by introducing basic technique in selected disciplines of dance: ballet, jazz, tap, modern, clogging, ethnic, interpretive and musical theatre. Students will need to provide appropriate attire.

WEIGHT TRAINING (Elective)

One credit

This class involves instruction in weight training techniques, flexibility, and cardiovascular conditioning. Each student must complete the PE requirement prior to enrolling in this class.



INFORMATION CENTER

Designed to serve as the “heart” of North Central, the Information Center (IC) occupies two floors north of the auditorium, providing print and electronic resources to enhance students’ education. It is comprised of two sub-departments: the library, staffed by two licensed teacher-librarians and Computing Services with full-time technicians. The IC support staff is made up of 4 part-time staff members.

During the school day, teacher-librarians are available to collaborate with classroom teachers and to guide students in research and book selection. Attention is given to national Information Literacy standards as well as the Indiana Academic Standards when creating research assignments with teachers. Students have access to quality resources: approximately 30,000 books are housed in the library. Ebooks and audiobooks are also available. A complete list of electronic databases with home access information is available in the IC. The databases and other electronic resources extend the hours of the IC to 24 hours, 7 days a week. Equipment check-out may be allowed with parent permission.

The North Central Information Center has been the beneficiary of grants from the Indianapolis Foundation for the purchase of books and technology. Student access to electronic databases is enhanced by grants and cooperative efforts with the Indianapolis Public Library. These online resources include numerous research databases accessed through our website: www.nchslib.info. These are also accessible from the student’s home via a public library card. North Central teacher-librarians can assist all students and faculty, even those living outside Marion County, in acquiring an Indianapolis Public Library card.

The North Central Information Center is open Monday through Thursday from 6:45 a.m. to 4:15 p.m., and on Friday from 6:45 a.m. to 2:40 p.m. Students are encouraged to visit the Information Center before school, during lunch and after school. If students need to visit the IC during study hall, they are required to get a pass from one of their academic teachers. A North Central student ID is required for all visits to the IC.

The After School Learning Center operates in the upper IC from 2:50 p.m. to 4:15 p.m., Monday through Thursday.

Licensed teachers and tutors are available to assist students. Students only need an ID to enter before 2:50 p.m. After 2:50 p.m. students will need a pass from their coach, teacher or club sponsor.

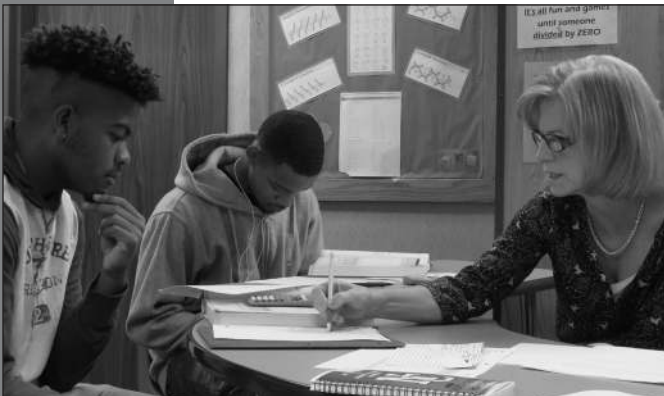


LEARNING CENTER



The Learning Center is an academic support center open to all North Central High School students during their study halls. Located in upper A hall, the Learning Center is the size of five classrooms and is divided into four tutoring areas for English, mathematics, social studies, and science. Thirty-two professional tutors with undergraduate, graduate and doctorate degrees in their content areas staff the Learning Center along with numerous certified staff members. Students must bring a pass from one of their academic teachers to gain entrance to the Learning Center.

In addition to tutoring services, the Learning Center provides space in L650 for test taking. In L650, students are able to take make-up tests as well as receive the accommodations they are entitled to according to their individual educational plans. A credit recovery program is overseen by Learning Center tutors during the school day.



MATHEMATICS DEPARTMENT



COURSE OFFERINGS	GRADE	PREREQUISITE(S)
Algebra 1	9	Pre-Algebra (Grade 8)
Algebra 2	9	Algebra 1
Algebra 3	11	Geometry 2 or 2X; or concurrent enrollment in Geometry 1/2 or 1/2X
Algebra 3X	10	Geometry 2X with Academic Qualification, p. 10; or Geometry 2 with Academic Qualification, p. 10; or Academic Qualification along with concurrent enrollment in Geometry 1/2 or Geometry 1/2X
Algebra 4	11	Algebra 3
Algebra 4X	10	Algebra 3X
ACP/IB Calculus 1	12	Pre-Calculus 2 with Academic Qualification, p.10 or Pre-Calculus 2X with Academic Qualification, p. 10
AP/IB Calculus 1BC	12	Pre-Calculus 2X with Academic Qualification, p. 10
ACP/IB Calculus 2	12	ACP/IB Calculus 1
AP/IB Calculus 2BC	12	AP/IB Calculus 1BC
AP/IB Computer Science 1	10-12	Algebra 4 or 4X
AP/IB Computer Science 2	10-12	AP/IB Computer Science 1
Business Math/Personal Finance 1*	11-12	Algebra 2 and Geometry 2 and junior or senior status
Business Math/Personal Finance 2*	11-12	Algebra 2 and Geometry 2 and junior or senior status
ACP/Finite Mathematics	11-12	Algebra 4 or 4X
Geometry 1	10	Algebra 2 (or Middle School Algebra with a C+ or higher)
Geometry 1X	9	Middle School Algebra (with a B- or higher) or Algebra 2 with Academic Qualification, p. 10
Geometry 2	10	Geometry 1
Geometry 2X	9	Geometry 1X
Advanced Math Topics 1	12	AP/IB Calculus 2BC with Academic Qualification, p. 10
Advanced Math Topics 2	12	Advanced Math Topics 1
Pre-Calculus	12	Algebra 4 or 4X
Pre-Calculus X	11	Algebra 4X with Academic Qualification, p. 10; or Algebra 4 with Academic Qualification, p. 10
Trigonometry	12	Pre-Calculus
Trigonometry X	11	Pre-Calculus X
AP/IB Statistics/Probability 1	10-12	Trigonometry with Academic Qualification, p. 10 or Trigonometry X with Academic Qualification, p. 10; or concurrent enrollment in Pre-Calculus/Trigonometry or Pre-Calculus X/Trigonometry X with the approval of the Mathematics Department Chair
AP/IB Statistics/Probability 2	10-12	AP/IB Statistics/Probability 1

***NON-CORE 40 COURSE**



Mathematics Department Policies

1. Once the semester has begun, any change from an X to a CP section, or a CP to an X section must be approved by the department chairperson.
2. Homework is an integral part of every mathematics class; the amount generally increases from year to year. Students can expect more homework in an X class than in a CP class.
3. Some college preparatory courses are available during summer

school, affording students an opportunity to move a full year ahead. Students who have passed a course during an academic year may elect to "review" that course during summer school on a non-credit basis to build a better foundation, if room is available in the course. Students who receive an "F" in a first semester course may be required to repeat the course during second semester.

Course Descriptions

ALGEBRA 1/2

One credit each semester

This course is a first-year algebra course. Major topics of study include linear, absolute value, and quadratic equations; linear and absolute value inequalities; linear, quadratic, and exponential functions, systems of equations; data analysis and statistics; and polynomials. Scientific calculator is required.

ALGEBRA 3/4

One credit each semester

This course is a second-year algebra course. Major topics of study include quadratic functions; systems of linear as well as quadratic equations; matrices, polynomial, radical, rational, logarithmic and exponential functions; sequences and series; and an introduction to statistics and probability. Throughout the course, students will use graphing calculators to find regression equations and to enhance discussion of the applications of functions. A TI-84 calculator is a requirement. TI-84 calculators are available for rental each semester on a first come first serve basis.

ALGEBRA 3/4X

One credit each semester

This course integrates geometry and discrete mathematics with the concepts of second-year algebra. Pure and applied mathematics are integrated throughout the course. Topics include linear, quadratic, rational, polynomial, exponential, and logarithmic functions; systems of equations; matrices; series and sequences; and an introduction to statistics and probability. A TI-84 calculator is a requirement. TI-84 calculators are available for rental each semester on a first come first serve basis. Placement in Algebra 3/4X will be determined by grades in both Algebra 1/2 and Geometry 1/2X (or Geometry 1/2). For movement from the non-weighted Algebra 1/2 and Geometry 1/2 courses to the weighted Algebra 3/4X class, the mathematics department highly recommends semester grade averages of "A" in both courses.

ACP/IB CALCULUS 1/2 **One credit each semester**

Calculus involves the study of four main concepts: limits, derivatives, definite integrals, and indefinite integrals. Applications of the derivative and the integral to the sciences and humanities are included. A TI-84 calculator is a requirement. TI-84 calculators are available for rental each semester on a first come first serve basis. This course does not prepare students for the Calculus AB Advanced Placement exam. Dual credit is available for M211 through the Indiana University ACP program.

AP/IB CALCULUS 1/2 BC

One credit each semester

This course covers all the topics of the ACP/IB Calculus 1/2 course with the addition or expansion of the following topics: Analysis of parametric, polar and vector functions, including velocity and acceleration; numerical solutions of differential equations using Euler's method; L'Hospital's Rule for finding limits; antiderivatives by substitution and use of partial fractions; improper integrals; solving logistic equations and using them in modeling. Also included are MacLaurin & Taylor series including LaGrange error bound, convergence tests, radius and interval of convergence. A TI-84 calculator is a requirement. TI-84 calculators

are available for rental each semester on a first come first serve basis. This course prepares students for the Calculus BC Advanced Placement Exam. Dual credit is also available for M211 at Indiana University.

AP/IB COMPUTER SCIENCE 1/2

One credit each semester

This is a one-year course using the Java language and emphasizing procedural and object oriented programming methodology, algorithms and commonly known data structures. This course is designed for students with no programming background. Two-thirds of the class time is spent programming. This course prepares students for the Computer Science Advanced Placement exam.

BUSINESS MATH/PERSONAL FINANCE 1/2

One credit each semester--NON CORE 40 COURSE

This course is designed for students with a year of algebra, a year of geometry and junior or senior status. This course applies mathematical and computer skills to business and consumer topics. Major topics include: paychecks, taxes, commissions, checking and savings accounts, loans, credit, discounts, insurance, utilities, mortgages, and investments. Students complete federal and state tax forms, and personal finance projects. A scientific calculator (TI 30X or similar) is also required.

ACP/FINITE MATHEMATICS 1/2

One credit each semester

Major topics of study for this course include: sets, basic counting techniques, basic probability (including random variables and expected values), linear systems, matrices, Markov Chains, and linear programming. Mathematical modeling and real-world applications are emphasized. Finite Mathematics is particularly appropriate for students with interests in business and social sciences. Dual credit is also available for M118 at Indiana University if and only if a student has completed Trigonometry. As per IU policy, calculators are not allowed on tests or quizzes in Finite Mathematics.

GEOMETRY 1/2

One credit each semester

This course relates mathematical entities such as points, lines, planes, real numbers, angles, triangles, perpendicular and parallel lines, planes, circles, spheres, polygons and polyhedra. It applies both inductive reasoning for discovery of relationships and deductive reasoning for formal proof. Many algebra skills are also reviewed in the context of geometric problem solving. A scientific calculator (TI 30X or similar) is a requirement. NOTE: Students who have completed Grade 8 Algebra must earn at least a "C+" in the course to be eligible for enrollment in Geometry.

GEOMETRY 1/2X

One credit each semester

In this course, major emphasis is placed upon formal proof and the development of the deductive structure of geometry. Many algebra skills are also reviewed in the context of geometric problem solving. These approaches provide the students with important training in the skill of reading mathematical and technical material. NOTE: Students who have completed Grade 7 or Grade 8 Algebra must earn at least a B- in the course to be eligible for enrollment in Geometry 1/2X.



ADVANCED MATHEMATICS TOPICS 1/2

One credit each semester

This course is for students who have completed AP Calculus BC prior to their senior year. Course includes a review of techniques for differentiation and integration with an emphasis on the conceptual understanding. Partial derivatives, vector fields, divergence, gradient, and curl are introduced. Specialized integration techniques including surface integrals, line integrals, and integration with parametrics are introduced. Ordinary Differential Equations beyond separable equations are taught along with advanced techniques in Linear Algebra.

PRE-CALCULUS

One credit

This course reviews and extends the study of algebraic functions with an ongoing use of graphing calculators. A TI-84 calculator is a requirement. TI-84 calculators are available for rental each semester on a first come first serve basis.

PRE-CALCULUS X

One credit

The topics of pre-calculus are studied in greater depth and are joined by parametric equations and binomial theorem. As a result, the course is very fast-paced. A TI-84 calculator is a requirement. TI-84 calculators are available for rental each semester on a first come first serve basis.

AP/IB STATISTICS/PROBABILITY 1/2

One credit each semester

This two semester course applies statistical techniques to decision-making. Topics include methods of collection and organization of data, graphical techniques for exhibiting data, measures of cen-

tral tendency and variation, probability, sampling theory, hypothesis testing and inference-making. A TI-84 calculator is a requirement. TI-84 calculators are available for rental each semester on a first come first serve basis. This course prepares students for the Statistics Advanced Placement exam, and/or the Math Studies IB exam.

TRIGONOMETRY

One credit

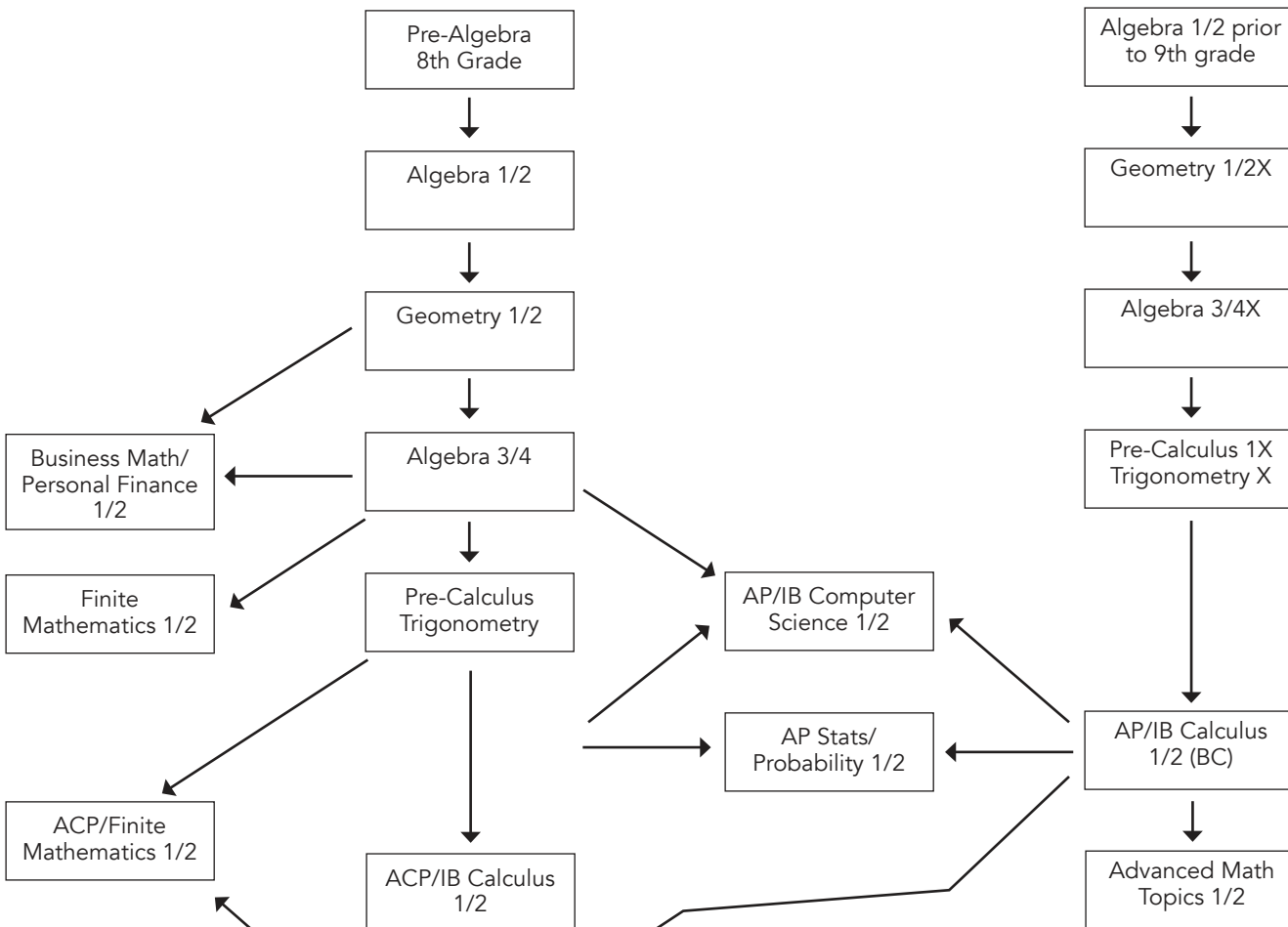
In this one semester course, students will explore data from real world phenomena, but will also identify and analyze the corresponding trigonometric models. Major topics of study include: triangle trigonometry, trigonometric functions, trigonometric equations and identities, polar coordinates and complex numbers. A TI-84 calculator is a requirement. TI-84 calculators are available for rental each semester on a first come first serve basis.

TRIGONOMETRY X

One credit

The topics of trigonometry are studied in greater depth and are joined by parametric equations and binomial theorem. TI-84 calculators are available for rental each semester on a first come first serve basis.

Mathematics Department Flowchart



PERFORMING ARTS DEPARTMENT



BAND COURSE OFFERINGS	GRADE	PREREQUISITE(S)
Beginning Band/Orchestra	9-11	Instructor's Permission
Concert Winds	9	Placement by audition (Concert Band)
Jazz Ensemble	9-12	Placement by audition, concurrent instrument enrollment (if instrument is offered)
Jazz Lab Band	9-12	
Marching Band and Pantherettes	9-12	Concurrent band enrollment—Fulfills one PE credit
Symphonic Band	10-12	Placement by audition (Concert Band)
Symphonic Winds	10-12	Placement by audition (Concert Band)
Wind Ensemble	9-12	Placement by audition (Concert Band)
CHOIR COURSE OFFERINGS	GRADE	PREREQUISITE(S)
Accents	9-12	Placement by audition (Treble Chorus)
Allegros	9	None (Treble Chorus)
Ambassadors	9-12	None (Tenor/Bass Chorus)
Counterpoints	10-12	Placement by audition (Mixed Chorus)
Descants	10-12	Placement by audition (Treble Chorus)
Encores	9-12	Placement by audition (Treble Chorus)
King's Court Singers	9-12	Placement by audition (Mixed Chorus)
Northernaires	10-12	Placement by audition (Mixed Chorus)
Rondos	9-12	None (Treble Chorus)
Varsity Singers	9-12	Placement by audition (Tenor/Bass Chorus)
ORCHESTRA COURSE OFFERINGS	GRADE	PREREQUISITE(S)
Beginning Band/Orchestra	9-11	Instructor's Permission
Concert Orchestra	9	Placement by audition (String Orchestra)
Festival Orchestra	9-12	Placement by audition (String Orchestra)
Philharmonic Orchestra	10-12	Placement by audition (String Orchestra)
Symphony Orchestra	9-12	Placement by audition (String Orchestra)
THEATRE COURSE OFFERINGS	GRADE	PREREQUISITE(S)
Advanced Theatre Arts	10-12	Theatre Arts 2 and Instructor Permission
Advanced Technical Theatre	10-12	Intro to Technical Theatre with a "B" minimum and instructor's permission
IB Theatre	11-12	Instructor's Permission
Intro to Technical Theatre	10-12	None
Repertory Theatre	10-12	Placement by audition
Scene Design	10-12	Advanced Technical Theatre, stage crew experience and instructor's permission — Semester 1 only
Theatre Arts 2	9-12	Theatre Arts 1
Theatre Arts 1	9-12	Speech



ADDITIONAL COURSE OFFERINGS	GRADE	PREREQUISITE(S)
AP/IB Music Theory 1	10-12	Concurrent enrollment in Performing Arts Ensemble or instructor approval
AP/IB Music Theory 2	10-12	AP Music Theory 1
IB Music	11-12	Instructor's Permission
Piano Lab 1	9-12	None
Piano Lab 2	9-12	Piano Lab 1

Performing Arts Department Policies

1. All members of the performing groups in the department will be given a calendar of events and sign a performance guidelines statement. This is a performing arts department and the student accepts rehearsals and performances outside of the school day as part of the graded course work. Consistency of participation in any ensemble is taken into consideration during later auditions.
2. Students in organizations that require audition for membership may be asked to re-audition if their work falls below a "C" average. The director of the ensemble will make the final decision on all auditions and placements.
3. The department will promote professional standards of conduct and performance at all times and will expect such from its members.

Course Descriptions

ADVANCED THEATRE ARTS

This performance based class will continue the training from Theatre Arts 1 and 2. Students will focus on individual acting skills, specifically in auditioning, duet scenes and group scenes. As an acting intensive, we will explore additional training models such as Viewpoints while utilizing a more in-depth study of Meisner and Stanislavski methods. The class will also study theatre history, children's theatre and storytelling, radio plays, and one-acts. As a part of the class, students will be expected to create and perform one performance for the public. Traditionally, students study drama through the Meisner method and produce a dramatic one-act play during the fall semester and comedy through Viewpoints and produce a comedic one-act play the spring semester. Performances are subject to change but might involve performing in a children's play, a night of scenes and monologues, presenting a one-act play or a combination thereof. Students are encouraged to enroll in the class for two semesters. In addition, students are required to complete two outside theatre critiques and attend two North Central High School Theatre productions per semester. Prerequisite: Theatre Arts 1 & 2 and permission of the instructor.

ACCENTS (Grade 9-12 Treble)

ENCORES (Grade 9-12 Treble)

RONDOS (Grade 9-12 Treble)

VARSITY SINGERS (Grade 9-12 Tenor/Bass) (Elective-Choir)

One credit each semester

These intermediate level choirs provide students with learning opportunities that enable them to: (1) Develop skills of proper tone production, diction, technique and intonation; (2) Develop skills in music reading; (3) Demonstrate stage movement, blocking, or choreography appropriate to the music studied; (4) Display solo and ensemble skills in singing repertoire from a variety of historical and cultural genres. These choirs study, rehearse, and perform music from the intermediate level.

ADVANCED TECHNICAL THEATRE (Elective-Theatre)

One credit each semester

This course focuses on giving the student hands-on stage technician experience after completing Intro to Technical Theatre with a "B"

or better. You need the instructor's permission to take this course. Advanced Technical Theatre may be taken for as many semesters as the student wishes. This course is offered both semesters. Through detailed experiences working in both of North Central's performance spaces, the Advanced Technical Theatre student will learn complex concepts in stage carpentry, stage rigging, stage lighting, special effects and stage audio.

ALLEGROS (Grade 9 Treble)

AMBASSADORS (Grade 9-12 Tenor/Bass) (Elective-Choir)

One credit each semester

These entry level choirs provide students with learning opportunities that enable them to: (1) Develop basic skills of proper tone production, diction, technique and intonation (2) Develop basic skills in music reading; (3) Demonstrate stage movement, blocking, or choreography appropriate to the music studied; (4) Display basic solo and ensemble skills in singing repertoire from a variety of historical and cultural genres. These choirs study, rehearse, and perform music from the beginning/intermediate level.

BEGINNING BAND/ORCHESTRA

The Beginning Band/Orchestra is an introductory course for all students who have had no previous band or orchestra experience. This course is available to students entering grades 9 through 11. Students begin to learn about music theory and the basics to performing on a musical instrument. Students will learn to play either a woodwind, brass, or string instrument (percussion not available for this course). This course serves as a prep course for the Band and Orchestra program. Register only with permission of the instructor. *** Student must own their own instructor approved instrument. Instruments and/or supplies will not be provided.**

****Seniors, with permission of the instructor, may also sign-up for Beginning Band/Orchestra as Apprentices. Apprentices will assist by working with Beginning Band/Orchestra students to develop their skills and overall abilities. Apprentices must have concurrent enrollment in Wind Ensemble or Symphony Orchestra.**



CONCERT ORCHESTRA (Elective-Orchestra)

One credit each semester

This entry level orchestra provides string students with learning opportunities that enable them to: (1) Develop basic skills of tone production, bowing technique and proper intonation; (2) Develop basic reading skills; (3) Develop an understanding of the basic styles of all four periods of music by the study, rehearsal and performance of works from Baroque through Contemporary periods; (4) Develop an understanding of basic forms in music. This ensemble studies, rehearses, and performs music from the Grades 2 and 3 repertoire. Student comprehension will be monitored by applied and written evaluations.

CONCERT WINDS (Elective-Band)

One credit each semester

This organization is open to freshman wind players and percussionists only. Most incoming freshman band students with middle school band experience or its equivalent will start their NCHS band experience in this group. The freshman Concert Winds is based on the Indiana Academic Standards for High School Instrumental Music. This course includes a balanced comprehensive study of music that develops skills in the psychomotor, cognitive, and affective domains. Classroom activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines such as sight-reading and correct responses to a conductor's musical insight to the literature being studied and to be performed. Students study a varied repertoire of developmentally appropriate concert band literature, technical studies, and develop the ability and artistry to convey a composer's intent in the performance of music. There is periodic classroom assessment to monitor student progress. Time outside of the school day is scheduled for rehearsals and performances. A number of public performances at formal concerts and/or band contests serve as culmination of daily classroom instruction and musical goals. Out-of-school rehearsals, performances, and activities are part of the course grade. These activities are an integral element that support and extend learning in the classroom. Private lessons are strongly encouraged but not required. Practicing at home is expected and will vary with the individual.

COUNTERPOINTS (Grade 10-12 Mixed)

DESCANTS (Grade 10-12 Treble) (Elective-Choir)

One credit each semester

These advanced level choirs provide students with learning opportunities that enable them to: (1) Develop advanced skills of proper tone production, diction, technique and intonation; (2) Develop advanced skills in music reading; (3) Demonstrate stage movement, choreography, and performance skills appropriate to advanced concert choir literature, as well as competitive show choir; (4) Display advanced solo and ensemble skills in singing repertoire from a variety of historical and cultural genres. These choirs study, rehearse, and perform music from the ISSMA Group I List as well as competitive show choir literature. They require a significant amount of after-school rehearsals in preparation for the highest level of competition in both concert and show choir.

FESTIVAL ORCHESTRA (Elective-Orchestra)

One credit each semester

This orchestra provides string students with learning opportunities that enable them to continue to: (1) Advance skills of tone production, bowing, technique and proper intonation; (2) Advance basic reading skills including learning 3-octave scales; (3) Advance understanding of the basic styles of all periods of music by the study, rehearsal and performance of works from the Baroque through Contemporary periods; (4) Advance understanding of basic forms in music. This ensemble studies, rehearses, and performs music from the Grade 4 and 5 repertoire. Student comprehension will be monitored by frequent applied and written evaluations. Private lessons

are strongly encouraged but not required.

INTRO TO TECHNICAL THEATRE (Elective-Theatre)

One credit each semester

Basic concepts of stage scenery design/construction, stage lighting and stage audio are the focus of this course. Through lecture, classwork, and hands-on lab time, the student will gain general knowledge of scenic construction, scenic painting, stage rigging, stage lighting and stage audio. Class time is spent both in the classroom and in our performance facilities--implementing the scenic and lighting designs for North Central Performing Arts productions.

JAZZ ENSEMBLE (Elective-Band)

One credit each semester

In addition to the skills and concepts listed for Wind Ensemble and Symphonic Winds, this highly developed jazz ensemble also provides students with learning opportunities that enable them to: (1) Develop understanding, through performance and analysis, of all jazz styles, including Latin, Swing, Rock and Ballad, in the context of melody and harmony; (2) Develop proficiency in improvisational skills through an understanding of chord structure, modes (all appropriate), pentatonic and whole tone scales, melodic structure, and proper style. This ensemble, of approximately 21 players, studies, rehearses and performs music from the professional repertoire. Student comprehension will be monitored by frequent applied and written evaluations.

JAZZ LAB BAND (Elective-Band)

One credit each semester

In addition to the skills and concepts listed for Symphonic Band, Symphonic Winds and Concert Winds, this entry level jazz ensemble also provides students with learning opportunities that enable them to: (1) Develop understanding, through performance and analysis, of basic jazz styles, including Latin, Swing, Rock and Ballad, in the context of melody and harmony; (2) Develop proficiency in basic improvisational skills through an understanding of chord structure, modes (including dorian, and mixolydian), pentatonic and whole tone scales, melodic structure, and proper style. This ensemble, of a larger size than the standard jazz ensemble complement of approximately 21 players, studies, rehearses and performs music from the Grade 2 and 3 repertoires. Student comprehension will be monitored by frequent applied and written evaluations.

KING'S COURT SINGERS (Grade 9-12 Mixed) (Elective-Choir)

One credit each semester

This advanced level mixed madrigal choir provides students with learning opportunities that enable them to: (1) Develop skills of proper tone production, diction, technique and intonation; (2) Develop skills in music reading; (3) Demonstrate stage movement and performance skills appropriate to the madrigal and other styles of chamber choral music; (4) Display well-developed solo and ensemble skills in singing repertoire from a variety of historical and cultural genres. This choir studies, rehearses, and performs music from the ISSMA Group I List as well as 16th and 17th century madrigals. During 2nd semester they perform a variety of genres of music including vocal jazz, musical theatre, and contemporary literature. Time outside of the school day is scheduled for rehearsals and performances. A number of public performances at formal concerts and/or choir contests serve as culmination of daily classroom instruction and musical goals. Out-of-school rehearsals, performances, and activities are part of the course grade. These activities are integral elements that support and extend learning in the classroom.

MARCHING BAND AND PANTHERETTES (Elective-Band)

One credit each semester

One credit, Summer School

This credit will fulfill One Credit for the Physical Education Waiver, but does not count for Academic Honors.

This Ensemble consisting of woodwind, brass, percussion instru-



ments and dancers provides learning opportunities that enable students to: (1) Demonstrate proper marching technique and maneuvers (field and street) in the execution of drill routines and field formations with and without playing; (2) Develop a keen sense of teamwork; (3) Develop skills in self-improvement and evaluation. This ensemble studies, rehearses and performs a wide variety of musical styles, forms and genres from the Grade 2, 3 and 4 repertoire. Student comprehension will be monitored by frequent evaluations.

AP/IB MUSIC THEORY 1/2 (Elective)

One credit each semester

AP Music Theory is designed for the serious music student, as this course surveys the building blocks of music. Music Theory 1 begins with the study of elementary music: note names, rhythm, key signatures, time signatures, meter, intervals, and scales and leads into basic harmonic considerations (triads, basic four-part writing concepts, and cadences). Music Theory 2 is an in-depth study of harmony, including seventh chords and other high dissonance, with added emphasis on harmonic analysis. There are opportunities for individual creative expression. Ear training (melodic and harmonic dictation and sight-singing) is an integral part of both semesters. Music Theory 1 is a prerequisite for Music Theory 2. Concurrent enrollment in Performing Arts Ensemble or instructor approval.

NORTHERNAIRES (Grade 10-12 Mixed) (Elective-Choir)

One credit each semester

This advanced level gospel choir provides students with learning opportunities that enable them to: (1) Develop skills of proper tone production, diction, technique and intonation; (2) Develop skills in music reading; (3) Demonstrate healthy technique and performance skills that are stylistically appropriate to contemporary African American gospel music; (4) Display well-developed solo and ensemble skills in singing repertoire from a variety of historical and cultural genres. This choir studies, rehearses, and performs music from the ISSMA Group II list as well as music from the African American gospel tradition.

PHILHARMONIC ORCHESTRA (Elective-Orchestra)

One credit each semester

This orchestra provides string students with learning opportunities that enable them to continue to: (1) Expand skills of tone production, bowing, technique and proper intonation; (2) Expand reading skills; (3) Expand understanding of the basic styles of all periods of music by the study, rehearsal, and performance of works from the Baroque through the Contemporary periods; (4) Expand understanding of basic forms of music. This ensemble studies, rehearses, and performs music from Grade 3 and 4 repertoire. Student comprehension will be monitored by applied and written evaluations.

PIANO LAB 1/2 (Elective-Music)

One credit each semester

Piano Lab 1 is open to any student, with or without previous piano experience, who wishes to learn basic piano skills, or to expand upon previous knowledge. Piano Lab 1 is a prerequisite for Piano Lab 2. In addition to basic elements of music theory and proper piano technique, both semesters will provide the student with the opportunity to gain proficiency in sight-reading, transposition, basic improvisation, composition, and the harmonization of simple melodies. It is encouraged that students enrolled in either Piano Lab I or II have access to a keyboard outside of class.

REPERTORY THEATRE (Elective-Theatre)

One credit each semester

Proficient students entering grades 10-12 who have successfully completed Theatre Arts I & II & Adv. Theatre and/or who have the permission of the instructor are eligible to audition for one of approximately 25 spots in Repertory Theatre. While studying advanced techniques learned in Theatre Arts I & II, actors in this performance based class will produce for public performances at least one show

each year with the option for additional shows when scheduling permits. Rep Theatre Students are expected to participate in some capacity on all productions at North Central Theatre. Auditions are in February for the following school year and include, at minimum, an application and two contrasting monologues. Callbacks will be utilized as necessary. Students can take Rep Theatre for up to three years, but must re-audition each year.

****Seniors, with permission of the instructor, may also sign up for Theatre Arts I again as Apprentices. Apprentices will study Directing and Arts Education by working with Theatre Arts I students to develop their acting skills and overall abilities in theatre. Apprentices will direct small scenes and a final One-Act as well as become acting coaches and mentors to all students of Theatre Arts I.**

SCENE DESIGN (Elective-Theatre)

One credit each semester

This independent study is offered first semester only and by permission of the instructor, in addition to successful completion of Advanced Stagecraft along with extensive technical theatre experience. The objective of this course is to learn, through reading and practical application, the complete process of theatrical design. The student will design scenery, lights or sound for the performing arts production of One Act Plays produced during the spring semester. The student will also work as design assistant for the Fall Musical.

SYMPHONIC BAND (Elective-Band)

One credit each semester

This organization is open to sophomore, junior and senior wind players and percussionists only. The Symphonic Band curriculum is based on the Indiana Academic Standards for High School Instrumental Music. This course includes a balanced comprehensive study of music that develops skills in the psychomotor, cognitive, and affective domains. Classroom activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines such as sight-reading and correct responses to a conductor's musical insight to the literature being studied and to be performed. Students study a varied repertoire of developmentally appropriate concert band literature, technical studies, and develop the ability and artistry to convey a composer's intent in the performance of music. There is periodic classroom assessment to monitor student progress. Time outside of the school day is scheduled for rehearsals and performances. A number of public performances at formal concerts and/or band contests serve as culmination of daily classroom instruction and musical goals. Out-of-school rehearsals, performances, and activities are part of the course grade. These activities are an integral element that support and extend learning in the classroom. Private lessons are strongly encouraged but not required. Practicing at home is expected and will vary with the individual.

SYMPHONY ORCHESTRA (Elective-Orchestra)

One credit per semester

This orchestra provides string students with learning opportunities that enable them to continue to: (1) Advance skills of tone production, bowing, technique and proper intonation; (2) Advance reading skills; (3) Advance understanding of the basic styles of all periods of music by the study, rehearsal and performance of works from the Baroque through Contemporary periods; (4) Advance understanding of forms in music. This ensemble studies, rehearses, and performs music of the highest quality and difficulty. Student comprehension will be monitored by frequent applied and written evaluations. Symphony Orchestra has several after school and evening rehearsals and performances. Students are also given leadership opportunities that enhance the overall experience. Private lessons are required.



SYMPHONIC WINDS (Elective-Band)

One credit each semester

This organization is open to sophomore, junior and senior wind players and percussionists only. The Symphonic Winds is an outstanding ensemble consisting of highly talented high school students and employs a curriculum based on the Indiana Academic Standards for High School Instrumental Music. This course includes a balanced comprehensive study of music that develops skills in the psychomotor, cognitive, and affective domains. Classroom activities are designed to develop elements of musicianship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines such as sight-reading and correct responses to a conductor's musical insight to the literature being studied and to be performed. Students study a varied advanced repertoire of developmentally appropriate concert band literature, technical studies, and develop the ability and artistry to convey a composer's intent in the performance of music. There is periodic classroom assessment to monitor student progress. Time outside of the school day is scheduled for rehearsals and performances. A number of public performances at formal concerts and/or band contests serve as culmination of daily classroom instruction and musical goals. Out-of-school rehearsals, performances, and activities are part of the course grade. These activities are integral elements that support and extend learning in the classroom. Private lessons are strongly encouraged but not required. Practicing at home is expected and will vary with the individual.

THEATRE ARTS 1 (Elective-Theatre)

One Credit, One Semester

This course will introduce the beginning actor to the method of creative dramatics through improvisation exercises, pantomime, voice and diction, memorization, and memorized acting scenes. Students will study theatre history, script analysis, costuming, elements of blocking a scene, character analysis, and elements of dramatic and comedic acting and performances. Students will perform a variety of scenes for the class utilizing the techniques learned and occasionally in costume. In addition, students are required to complete two outside theatre critiques and attend two North Central High School Theatre productions per semester. Furthermore, seniors in Repertory Theatre may retake this class as an apprentice and study directing and arts education by working with Theatre Arts I students. See description under Repertory Theatre for more details. Prerequisite: Speech

THEATRE ARTS 2 (Elective-Theatre)

One Credit, One Semester

Theatre Arts 2 is a performance class. Students will continue the study of acting technique through improvisation, advanced, in-depth character and script analysis, auditioning and monologue techniques, and memorized acting scenes. This is an extension of Theatre Arts 1 and students will be challenged to find their strengths and their weaknesses. In addition, students are required to complete two outside theatre critiques and attend two North Central High School Theatre productions per semester. Prerequisite: Theatre Arts 1

WIND ENSEMBLE (Elective-Band)

One credit each semester

This organization is open to freshman, sophomore, junior and senior wind players and percussionists only. The Wind Ensemble is the premiere group of the NCHS band program. Its roster consists of highly talented high school students and employs a curriculum based on the Indiana Academic Standards for High School Instrumental Music. This course includes a balanced comprehensive study of music that develops skills in the psychomotor, cognitive, and affective domains. Classroom activities are designed to develop elements of musician-

ship including tone production, technical skills, intonation, music reading skills, listening skills, analyzing music, studying historically significant styles of literature, and integration of other applicable disciplines such as sight-reading and correct responses to a conductor's musical insight to the literature being studied and to be performed. Students study a varied advanced repertoire of the highest caliber. The ensemble maintains a rigorous workout of developmentally appropriate concert band literature, technical studies, and has a high ability and artistry to convey a composer's intent in the performance of music. There is periodic classroom assessment to monitor student progress. Time outside of the school day is scheduled for rehearsals and performances. A number of public performances at formal concerts and/or band contests serve as culmination of daily classroom instruction and musical goals. Out-of-school rehearsals, performances, and activities are part of the course grade. These activities are an integral element that support and extend learning in the classroom. Private lessons are required.

NORTH CENTRAL BANDS

INDIANAPOLIS, INDIANA

www.northcentralbands.com



www.nchschoirs.com

NORTH CENTRAL ORCHESTRAS

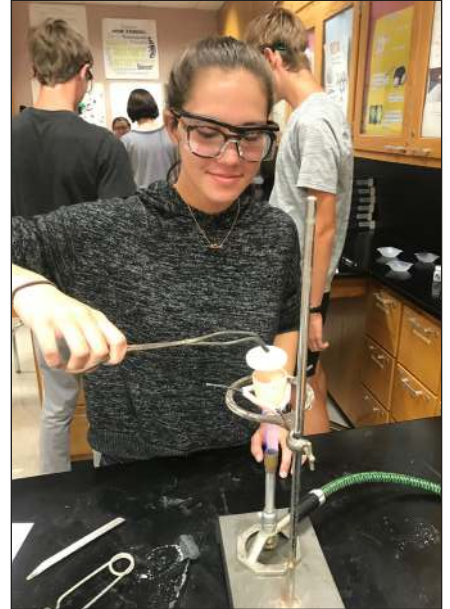
www.northcentralorchestras.org



www.northcentraltheatre.org



SCIENCE DEPARTMENT



COURSE OFFERINGS	GRADE	PREREQUISITE(S)
AP/IB Biology 1	12	Biology 1/2, or 1/2X, Chemistry 1/2 or 1/2X or department chair permission
AP/IB Biology 2	12	AP/IB Advanced Biology 1
AP/IB Chemistry 1	11	Chemistry 1/2 or 1/2X or department chair permission, Academic Qualification, p. 10
AP/IB Chemistry 2	11	AP/IB Chemistry 1
AP/IB Environmental Science 1	11	Chemistry 1/2 or 1/2X or Physics 1/2 or 1/2X, or department chair permission, Academic Qualification, p. 10
AP/IB Environmental Science 2	11	AP/IB Environmental Science 1
AP/IB Advanced Physics C1	11	Physics 1/2 or AP 1/2X concurrent enrollment in Calculus or department chair permission
AP/IB Advanced Physics C2	11	AP/IB Advanced Physics C1
Human Anatomy and Physiology 1X	11	Biology 1/2 or 1/2X, Academic Qualification, p. 10
Human Anatomy and Physiology 2X	11	Human Anatomy and Physiology 1X
Biology 1/2	9	None
Biology 1X	9	None, Academic Qualification, p. 10
Biology 2X	9	Biology 1X
Chemistry 1/2	10	Geometry 2 or 2X and concurrent enrollment in Algebra 3 or 3X
Chemistry 1X	10	Geometry 2 or 2X and concurrent enrollment in Algebra 3 or 3X, Academic Qualification, p. 10. Summer Assignment Required.
Chemistry 2X	10	Chemistry 1 or 1X
Earth & Space Science 1/2	10	None
Integrated Chem-Physics 1/2	10	Algebra 1/2
Physics 1/2	10	Geometry 2 or 2X and concurrent enrollment in Algebra 3 or 3X
AP/IB Physics 1X	10	Algebra 4 or 4X, Pre-Calculus is recommended, Academic Qualification, p. 10
AP/IB Physics 2X	10	AP/IB Physics 1X
Advanced Science: Zoology 1/2	10	Biology 1/2 or 1/2X
Advanced Science: Zoology 1X	10	Biology 1/2 or 1/2X, Academic Qualification, p. 10
Advanced Science: Zoology 2X	10	Advanced Science: Zoology 1X



Science Department Policies

1. All changes in levels within a course must be approved by the department chairperson.
2. All teacher changes must be approved by the department chair-

- person.
3. All students must take a minimum of three years of science, four years is strongly recommended.

Course Descriptions

ALL SCIENCE COURSES EMPHASIZE LABORATORY INVESTIGATIONS

AP/IB ADVANCED BIOLOGY 1/2

One credit each semester

Advanced Biology is of particular value to students who wish to pursue careers in Biology, Medicine, Dentistry, Nursing, Medical Technology and Veterinary Medicine. Advanced Biology is designed to prepare students to take the Advanced Placement Exam and secure college credit for their work. Follows College Board AP guidelines. This course prepares IB enrolled students for the Higher Level IB Biology Exam. Students should expect to complete some labs outside of the regular class time.

AP/IB ADVANCED CHEMISTRY 1/2

One credit each semester

Advanced Chemistry is taught as a college level course. A college textbook is used in this class. Advanced Chemistry is designed to prepare students to take the Advanced Placement Exam and secure college credit for their work. Follows College Board AP guidelines. This course prepares IB enrolled students for the Standard Level IB Chemistry Exam. Students should expect to complete some labs outside of the regular class time.

AP/IB ADVANCED PHYSICS C 1/2

One credit each semester

Advanced Physics C is taught as a college level course. This course will cover mechanics at an advanced level. A calculus based college textbook is used. Advanced Physics is designed to prepare students to take the Advanced Placement Exam. This course prepares IB enrolled students for the Higher Level IB Physics Exam. This is a dual credit course in association with Indiana University.

HUMAN ANATOMY AND PHYSIOLOGY 1/2X

One credit each semester

Anatomy and Physiology is a course in which students investigate concepts related to Health Science, with emphasis on interdependence of systems and contributions of each system to the maintenance of a healthy body. Introduces students to the cell, which is the basic structural and functional unit of all organisms, and covers tissues, integument, skeleton, muscular and nervous systems as an integrated unit. Through instruction, including laboratory activities, students apply concepts associated with Human Anatomy & Physiology. Students will understand the structure, organization and function of the various components of the healthy body in order to apply this knowledge in all health related fields. This is a year long course (2 semesters).

BIOLOGY 1/2

One credit each semester

Biology is the study of life. Topics studied include the cell, life functions, genetics, evolution, ecology, and diversity of life (with emphasis on animal biology). Coursework includes labs, project-based learning and hands-on activities.

BIOLOGY 1/2X

One credit each semester

Biology 1/2X provides the student with a rigorous introduction to the principles of biology. Content is similar to Biology 1/2, with some topics covered in greater detail and additional topics discussed. Biology 1/2X is especially recommended for students planning to pursue careers in science. Laboratory work is emphasized. See Page 10 for academic qualifications.

CHEMISTRY 1/2

One credit each semester

Chemistry is the study of properties, composition, and interaction of matter. The electronic structure of atoms is used to explain periodicity, ionic and covalent bonding, molecular shapes and energy changes. These topics are quantitatively explored in formula and equation writing, problem solving, and laboratory work. (Students who have taken this course may not take Integrated Chemistry-Physics 1/2. Students must have earned an average of C- or better in both semesters of geometry.)

CHEMISTRY 1/2X

One credit each semester

Chemistry 1/2X is a mathematically rigorous course of study of atomic theory, chemical bonding, gases, solids, liquids, reactions, stoichiometry, acids and bases, equilibrium, kinetics, thermodynamics, descriptive chemistry, and chemical calculations. A college textbook is used. Students with the greatest success in this class have successfully completed an X math class. A summer assignment is required.

EARTH AND SPACE SCIENCE 1/2

One credit each semester

Earth & Space Science is designed for the student who is interested in the science of the earth. Earth & Space Science reveals the relationship between geology, meteorology, and astronomy by investigating the dynamic earth, earth cycles and earth history.

AP/IB ENVIRONMENTAL SCIENCE 1/2

One credit each semester

This course explores the multidisciplinary science of the environment. Environmental processes, structure and function are covered with a focus on contemporary issues. This course prepares students for the AP and Standard Level IB exams. Students should expect to complete extra work outside of the regular class time. Emphasis is placed on a holistic approach to environmental science using laboratory exercises, environmental surveys, and class discussions to reinforce scientific principles. Although this course meets the state's physical/earth science graduation requirement, colleges will want, and students will need, to take chemistry and/or physics.

INTEGRATED CHEMISTRY-PHYSICS 1/2

One credit each semester (Recommended C- or better in Algebra 1/2)

Integrated Chemistry-Physics (ICP) is the study of structure, properties, and organization of matter. The investigation of motion, forces, wave properties, and energy are detailed through laboratory work and problem solving. (Students who have taken this course are



eligible to take Physics 1/2 or Chemistry 1/2.) This course may not satisfy entrance expectations for some colleges.

PHYSICS 1/2

One credit each semester

Physics emphasizes the application of physical principles through problem solving and laboratory work. The major concepts studied are description of motion, forces, circular motion, conservation of energy and momentum, wave motion, optics, electrostatics, current electricity and magnetism. Students are highly recommended to be concurrently enrolled in a math class. (Students who have taken this course may not take Integrated Chemistry-Physics 1/2.) (Students must have earned an average of C- or better in both semesters of geometry.)

AP/IB PHYSICS 1/2X

One credit each semester

Physics 1/2X content is similar to Physics 1/2, but with greater depth and coverage. Problem solving is emphasized. Students must have excellent Algebra skills. A non-calculus based college level text is used. This course prepares students for the AP-1 and IB Standard

Level Exams. Students should expect to complete extra work outside of the regular class time.

ADVANCED SCIENCE-ZOOLOGY 1/2

One credit each semester

Advanced Life Science-Zoology is the advanced study of animals and their biology. The structure, physiology, behavior, ecology, and natural history is studied. Emphasis is placed on laboratory studies of animals with many opportunities for observation, experimentation, microscopic work, and dissection of animals. It is strongly recommended that students have a semester grade in Biology of "C" or higher before enrolling in this class.

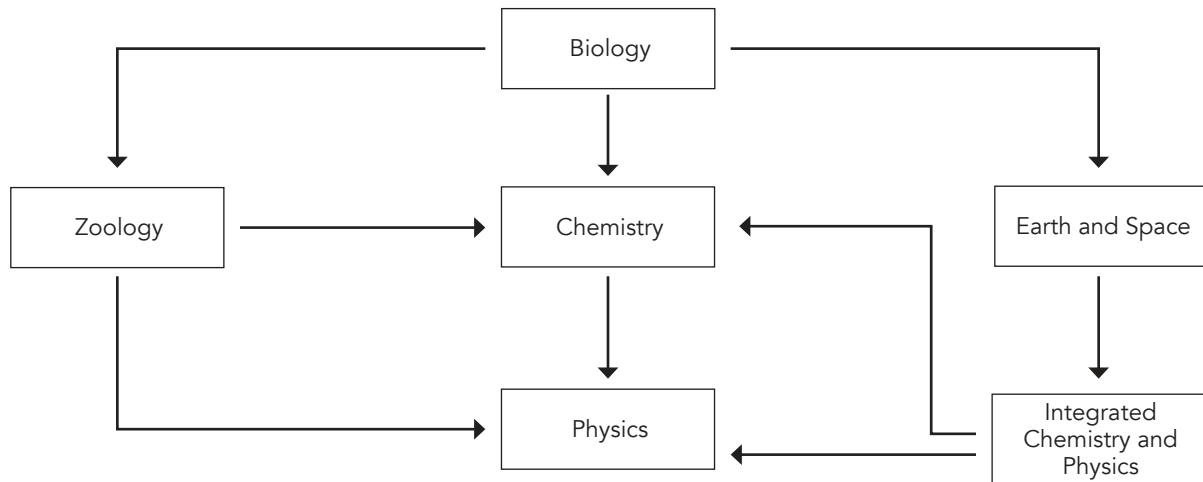
ADVANCED SCIENCE-ZOOLOGY 1/2X

One credit each semester

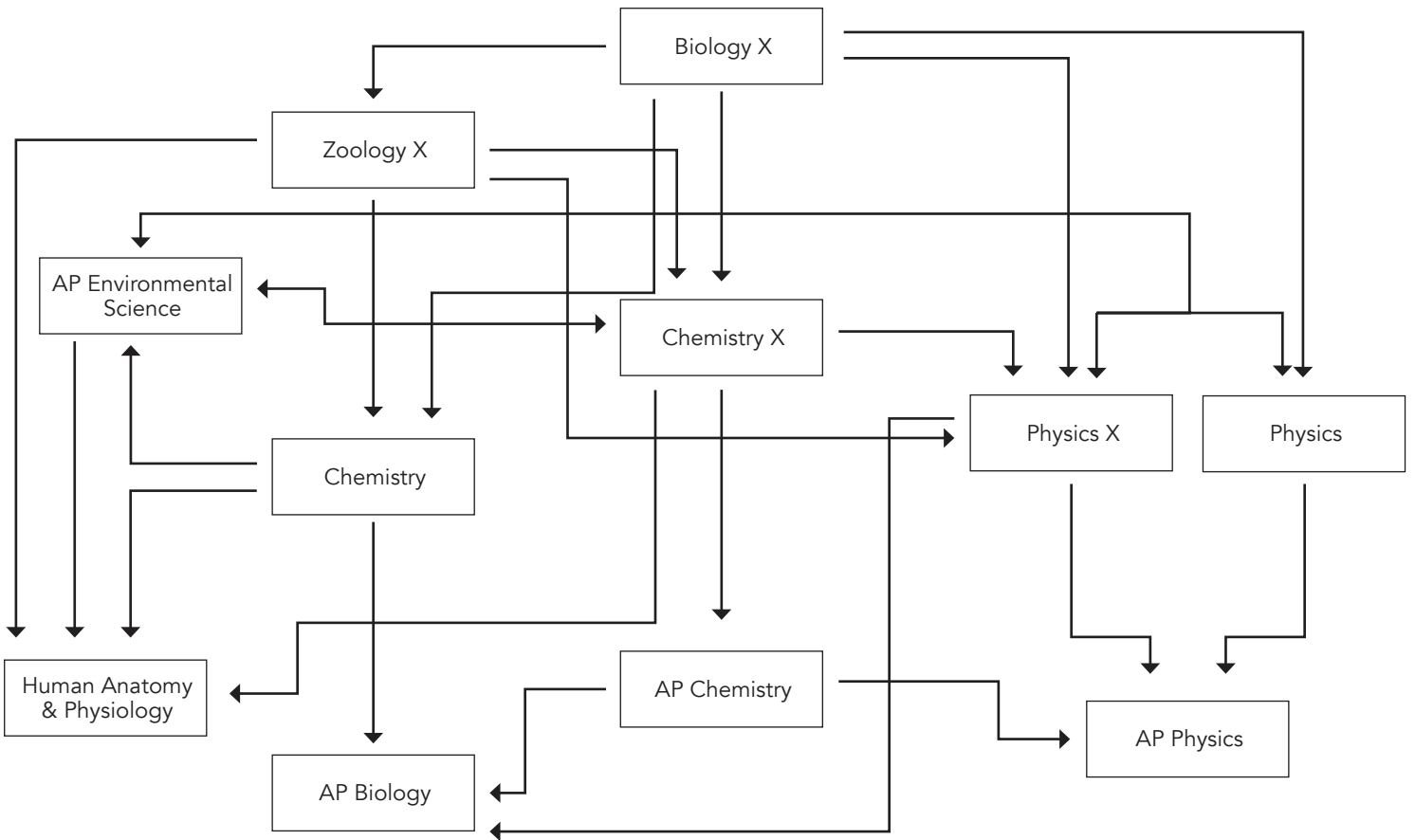
Advanced Life Science-Zoology1/2X content is similar to Advanced Life Science-Zoology1/2 but with greater rigor and depth of coverage. Additional laboratory studies beyond the regular Advanced Life Science-Zoology course will be included in Advanced Life Science-Zoology1/2X. See page 10 for Academic Qualifications.



CP Science Courses



Honors Science Courses



SOCIAL STUDIES DEPARTMENT



Social Studies students on the World Traveler's Club trip to Denmark, Sweden and Iceland.



COURSE OFFERINGS	GRADE	PREREQUISITE(S)
Geography and History of the World 1/2	9	None
World History 1/2	9	None
AP World History 1/2	9	Academic Qualification, p. 10
US History 1/2	10	None
AP/IB US History* 1/2	10	AP World History
Geography and History of the World 1/2	11	World History
World History 1/2	11	Geography and History of the World
AP Human Geography 1/2	11-12	Academic Qualification, p. 10, 2.5 GPA
AP European History 1/2	11-12	Academic Qualification, p. 10, 2.5 GPA
International Relations	11-12	Academic Qualification, p. 10, 2.5 GPA
Government	12	None
AP Government* (Fall)	12	Academic Qualification, p. 10
AP Macro Economics (Spring)	12	Academic Qualification, p. 10
Economics	12	None
Economics for IB Students	11-12	None
AP Psychology*	11-12	Academic Qualification, p. 10
Theory of Knowledge 1/2, 3/4	11-12	Requirement for International Baccalaureate Program
Indiana Studies	All	None
Ethnic Studies	All	None

*ACP option for dual credit.

Course Descriptions

GEOGRAPHY AND THE HISTORY OF THE WORLD 1/2 (Grades 9 or Grade 11)

One credit each semester

This course deals with physical, economic, political and social aspects of geography. The basic thrust in all units is the relevance of geography as a tool to understanding our world. Students will learn new aspects of importance about the earth, discover important concepts about populations and their impact upon one another, and become aware of how our changing world is affected by geography.

WORLD HISTORY 1/2 (Grade 9 or Grade 11)

One credit each semester

World History includes a study of humans from the earliest times and continues to the present. Studies include significant ideas, events, institutions, and personalities that have influenced human history. Special attention is given to the nineteenth century growth of democracy, nationalism, industrialism, and imperialism and the effects on humans and the Twentieth Century. Students are encouraged to embrace other cultures and perspectives from around the world. The course incorporates current events, critical thinking, and primary sources as a method of instruction.

AP WORLD HISTORY 1/2 (Grade 9)

One credit each semester

It is strongly recommended that freshmen who enroll in this course be

pre-International Baccalaureate candidates and enrolled in English 9X. This course encompasses the study of the development of man beginning with early civilization to the present day. Students taking this course must possess advanced reading, writing, and analytical skills. The course is divided into three areas of study: Ancient Civilizations, the Middle Ages, and Modern Times. The richness of these times is brought to the classroom through the use of outside readings, debate, role playing, lecture/discussion, portfolios, and research papers. Students successfully completing this course are encouraged to take the World History Advanced Placement exam.

U.S. HISTORY 1/2 (Grade 10)

One credit each semester

U.S. History is a two-semester course: the first semester emphasizes a chronological study of American heritage from the colonial period to the 1920s. The second semester emphasizes the development from 1920s to the present. Social, economic, political, and cultural changes are included with a continuing emphasis on understanding American heritage and the world challenges to modern America. All U.S. History students will be required to complete a major research project during the second semester of the course.

AP/IB U.S. HISTORY 1/2 (ACP) (Grade 10)

One credit each semester

This course is an intensive, in-depth study of the development of the



nation from colonial times to the present. The emphasis is on the political, economic, social, and diplomatic aspects of our American heritage. The student is encouraged to read widely, to pursue historical problems in-depth, to develop independent study habits, to analyze history as related to causes and effects, and to see and understand how historians differ in their interpretations. Emphasis is placed upon analysis, synthesis, and evaluation in reading and writing assignments. Students successfully completing this course are encouraged to take the Advanced Placement exam. Dual credit is available for H105 and H106 American History 1/2 at Indiana University. (See page 9 for ACP criteria.)

AP HUMAN GEOGRAPHY 1/2 (Grades 11-12)

One credit each semester

The purpose of this course is to introduce students to the study of the pattern and processes that have shaped human understanding, the use, and the alteration of the Earth's surface. Students will examine population movements; study various cultural patterns; survey the destruction and preservation of nature; discuss various political organizations; research the industrial and economic development of the planet; and note urban and agricultural land use. Students will research timely events and issues that face the planet today. Students in this course are encouraged to take the Advanced Placement exam.

AP/IB EUROPEAN HISTORY 1/2 (Grades 11-12)

One credit each semester

This is a course designed for the academically motivated student. An in-depth account of the philosophies, events, and occurrences in Europe from the fifteenth century to the present will be covered. There is extensive reading of books and materials along with class discussion. Students in this course are encouraged to take the Advanced Placement exam. International Baccalaureate students are required to take both semesters of this course.

INTERNATIONAL RELATIONS (Grades 11-12)

One credit

This course analyzes the interaction of nation-states in international politics, better known as diplomacy. The theoretical analysis of international relations is covered along with a practical account of U.S., foreign, and national security interests from 1945 to the present. A wide variety of activities ranging from country analysis, debate, role play, simulation, discussion, and lecture convey the complex activity or relations among the nation-states. IB students must take this course during the second semester of their senior year.

GOVERNMENT (Grade 12)

One credit

The study of American government, emphasizing its structures and processes, provides the student with the opportunity to acquire the knowledge and skills that are vital to good citizenship. The intent of the course is to equip the student with the intellectual and political participation skills necessary to understand politics and government at the local, state, national, and international levels. Emphasis is placed upon government topics such as the Constitution, civil rights, civil responsibilities, political ideologies, politics, and the executive, legislative, and judicial branches.

AP/IB GOVERNMENT (ACP) (Grade 12)

One credit/Fall semester only

AP/IB Government is designed to give students a critical perspective on government and politics in the U.S. This course involves both the study of general concepts used to interpret American politics, and analyses of specific case studies. It also emphasizes various institutions, groups, beliefs, and ideas that make up the American political system. The following topics are covered: Constitutional underpinnings of American government, political beliefs and behaviors, political parties and interest groups, institutions and policy processes of national government, and civil rights and liberties. In addition, there is a strong emphasis on current national and international issues. Students who complete this course are encouraged to take the Advanced Placement test. Dual credit is available for Y103 American Politics at Indiana University. (See page 9 for ACP criteria.)

AP MACRO ECONOMICS (Grade 12)

One credit/Spring semester only

An AP course in Macroeconomics is designed to give students a thorough understanding of the principles of economics that apply to an economic system as a whole. Such a course places particular emphasis on the study of national income and price determination, and also develops familiarity with economic performance measures, economic growth, and international economics. Students in this course are encouraged to take the Advanced Placement exam.

ECONOMICS (Grade 12)

One semester

This course is organized to provide a knowledge of how the business system operates. The overall goal is to develop an appreciation for the American free market system. Attention is given to the values and problems of creating wealth and income for all. Students are helped to understand the following types of problems in order to comprehend current events: labor and consumerism, foreign competition and markets, credit, banking and money problems, world trade and other economic systems, investment and stock market.

ECONOMICS FOR IB STUDENTS (Grades 11-12)

Four Semesters

Many students enrolled in the Diploma Program for the International Baccalaureate do not have time to take a regular or AP economics course. Students who cannot fit this course into their schedule will work on completing their state required economics course over four semesters. Students will complete an economics project relating to the Indiana State Economic Standards and will take an economics exam at the end of their course of study. The final grade for the class will not be placed on the transcript until second semester of their senior year.

AP/ACP PSYCHOLOGY (Grades 11-12)

One credit

Psychology is the scientific study of the behavior of organisms with particular emphasis on humans. This is a survey course covering the most important theories and principles of the following influences on behavior: methods of research, personality theories, learning, thinking processes, biological and physiological factors, altered states of consciousness, mental health, mental illness, therapies, child development, sensation, and perception. Students successfully completing this course are encouraged to take the Advanced Placement Exam. (See Page 9 for ACP criteria.) Dual credit is available through Indiana University.

THEORY OF KNOWLEDGE 1/2, 3/4

One-half credit each Semester

This course is only open to International Baccalaureate Diploma candidates. The eight units of study (language, thought and perception; ethics; logic; mathematics; natural science; human science; history; and aesthetics) serve as the cornerstones of the IB program.

INDIANA STUDIES (All Grades)

One semester online course

Indiana Studies is an integrated course that compares and contrasts state and national developments in the areas of politics, economics, history and culture. The course uses Indiana history as a basis for understanding current policies, practices and state legislative procedures. It also includes the study of state and national constitutions from a historical perspective and as a current foundation of government. Examination of individual leaders and their roles in a democratic society will be included and students will examine the participation of citizens in the political process.

ETHNIC STUDIES (All Grades)

One semester online course

Ethnic Studies provides opportunities to broaden students' perspectives concerning lifestyles and cultural patterns of various ethnic groups in the United States. This course either focuses on a particular ethnic group or groups, or uses a comparative approach to study patterns of cultural development, immigration, and assimilation, as well as the contributions of specific groups.



SPECIAL EDUCATION

COURSE OFFERINGS	GRADE	PREREQUISITE(S)
Basic Skills	9-12	Enrollment is determined by the Case Conference Committee.
Language Arts — Levels A, B and C	9-12	Enrollment is determined by the Case Conference Committee.
Fundamental Mathematics — Levels A, B, C and D	9-12	Enrollment is determined by the Case Conference Committee.
Introduction to Careers	11-12	Enrollment is determined by the Case Conference Committee.
Fundamental Social Studies	11-12	Enrollment is determined by the Case Conference Committee.
Fundamental Science	9-10	Enrollment is determined by the Case Conference Committee.
Life Skills — Levels A, B and C	9-12	Enrollment is determined by the Case Conference Committee.
Experiences in Teaching	9-12	Approval Required by Department Chair for Special Education. Application required.
Resource Support	9-12	Enrollment is determined by the Case Conference Committee.
Learning Center	9-12	Enrollment is determined by the Case Conference Committee.
Work Experience	9-12	Student must be 16 years of age, have a signed Work Experience Agreement and may be required to take a career exploration course. Enrollment is determined by the Case Conference Committee.

Course Descriptions

BASIC SKILLS

One credit each semester

This course focuses on effective skills instruction. Students will learn and strengthen their skills in managing interpersonal relationships, problem-solving, study and organization, and other areas of self-management. Active participation in group discussion and self-reflection is a key component to success in this course, which counts as an elective toward a diploma.

LANGUAGE ARTS — Levels A, B and C

One credit each semester; Level placement is based on teacher recommendation

This course provides students with opportunities to develop functional and emerging literacy skills through an alternate curriculum. Additionally, students develop skills to interpret selected works of literature and writing styles. Emphasis is placed on both reading and writing in multiple formats. A variety of strategies is used to assist students with interpreting language.

FUNDAMENTAL MATHEMATICS — Levels A, B, C, and D

One credit each semester; Level placement is based on teacher recommendation

Fundamental mathematics is designed to support and teach functional math skills through an alternate curriculum. Topics include time and money management, home shopping skills, payroll earnings, banking, comparison shopping, and general mathematic competencies, as well as pre-Algebra skills in level D.

INTRODUCTION TO CAREERS

One credit each Semester

This course provides students with opportunities to explore careers as part of our Transition

Programming. Students will learn how to search for job openings, prepare a resume, complete employment applications, and complete the interview process.

FUNDAMENTAL SOCIAL STUDIES

One credit each Semester

This course provides students with instruction in social studies through an alternate curriculum. The course covers geography, world and United States history, government, civics, and basic economic concepts.

FUNDAMENTAL SCIENCE

One credit each Semester

This course is designed to provide instruction that address the Indiana Department of Education's science standards and content connectors for the IAM alternate assessment. Topics covered include cells, the scientific method, energy, ecosystems, genetics and evolution.

LIFE SKILLS — Levels A, B and C

One credit each Semester; Level placement is based on teacher recommendation

This course focuses on functional skills needed for independent living. Topics include interpersonal relationships, self-care, self-advocacy, accessing the community, recreation/leisure, employment/volunteer opportunities, and activities of daily living.

EXPERIENCES IN TEACHING

One credit each semester

This is an elective course which counts as an elective toward a diploma and that provides students with the opportunity to work with and support students with special needs. Students who take this course will learn about disabilities as well as instructional and support strategies.

They will serve as a peer mentor and/or peer assistant in general education and special education classrooms. Students should be in good academic and disciplinary standing.

RESOURCE SUPPORT

This course is a supported study period to work on IEP goals and receive instructional support.

LEARNING CENTER

The Learning Center is an academic multi-service center open to all North Central High School students. North Central students who receive special education services have the opportunity to enroll and receive daily instructional support in the Learning Center for their Resource Support course, or may follow the building procedure to attend the Learning Center for academic support. Teachers of special education, instructional assistants, and content specific tutors provide small group assistance.

WORK EXPERIENCE

One to three credits per semester Work Experience provides the acquisition of employment skills gained from on-the-job training within actual employment situations. Work may be done in school, on campus, on MSDWT grounds, or within the community as part of our Transition Programming. One high school credit is earned for every five hours of work per week throughout the semester. The amount of support needed by students is determined on an individual basis by the Case Conference Committee and recorded in the student's IEP. Public bus training may be a part of this course. The Special Education staff approves all job locations. This course may count as an elective toward a diploma.



VISUAL ARTS DEPARTMENT



COURSE OFFERINGS	GRADE	PREREQUISITE(S)
*Introduction to Art	9-12	None
**AP/IB Two-Dimensional Art	11-12	Intro to Art and must have achieved advanced level in two-dimensional area (drawing, painting, photography or computer graphics)
**AP/IB Three-Dimensional Art	11-12	Intro to Art and must have achieved advanced level in three-dimensional area (ceramics, sculpture, jewelry)
AP Art History I: Prehistoric to Baroque	9-12	None
AP Art History II: Rococo to Today	9-12	AP Art History I: Prehistoric to Baroque
Ceramics: Beginning	9-12	Intro to Art
Ceramics: Advanced	10-12	Intro to Art and Ceramics: Beginning
Computer Graphics/Visual Communications	10-12	Intro to Art
Drawing: Beginning	9-12	Intro to Art
Drawing: Advanced	10-12	Intro to Art and Drawing: Beginning
Independent Study	11-12	Intro to Art and have achieved advanced level in two- or three-dimensional area and permission of instructor and department chairperson
Jewelry: Beginning	9-12	Intro to Art
Jewelry: Advanced	10-12	Intro to Art and Jewelry: Beginning
Beginning Photography (Media Arts)	9-12	Intro to Art
Advanced Photography (Media Arts)	10-12	Intro to Art and Beginning Photography (Media Arts)
Painting: Beginning	10-12	Intro to Art and Drawing: Beginning
Painting: Advanced	10-12	Intro to Art and Drawing: Beginning & Painting: Beginning
Sculpture: Beginning	9-12	Intro to Art
Sculpture: Advanced	10-12	Intro to Art and Sculpture: Beginning

***All students are required to complete INTRODUCTION TO ART prior to enrolling in additional art classes as noted under the Prerequisite list.**

Students are strongly recommended to take AP/IB courses for a full year. All Advanced classes may be repeated with a grade minimum of B, portfolio review and department chairperson approval.

****All prospective AP/IB Advanced Two- and Three-Dimensional Art Students must have received a minimum grade of "B" in an advanced level art course.**

Course Descriptions

PLEASE NOTE THE FOLLOWING: AP/IB 2D/3D ART and AP ART HISTORY CLASSES

For students taking these classes, it is highly recommended that students submit a portfolio for evaluation and/or sit for the AP Art History Exam.

INTRODUCTION TO ART (Elective)

One credit

This course meets the prerequisite for most beginning level courses within the Visual Arts Department. Students should pay close attention to the prerequisite section in the course listing. Students will engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production with an emphasis in the area of two-dimensional art. Ideal for students who plan to study drawing, painting, photography, or computer graphics.

Students will be provided with the opportunity to study how artists develop ideas. They will begin to develop their own ideas in the two-dimensional media of their choice with emphasis placed on creating a portfolio that demonstrates artistic ability and versatility.

AP/IB THREE-DIMENSIONAL ART (Elective)

One credit, Prerequisite: Advanced ceramics, jewelry or sculpture and portfolio application

Students will be provided with the opportunity to study how artists develop ideas. They will begin to develop their own ideas in the three-dimensional media of their choice with emphasis placed on creating a portfolio that demonstrates artistic ability and versatility.

AP/IB TWO-DIMENSIONAL ART (Elective)

One credit, Prerequisite: Advanced drawing, painting, or photography and portfolio application



AP ART HISTORY I: Prehistoric to Middle Ages and Global Art (Elective)

One credit

Students will explore art movements, artists, and works of art in the context of history from the prehistoric period to the Middle Ages. Students will also study the art and culture of Africa, the Americas, Oceania, India, Southeast Asia, China, Korea and Japan. Students will develop a knowledge base that will enable them to recognize various styles and artists and will also learn to analyze and interpret artworks by examining composition, context, function, patronage and other variables. The class will primarily focus on the 250 artworks and content areas selected by AP, but will also include other historically and culturally significant works. The class involves lecture, research, discussion and limited art production. Strong study skills are recommended and a background knowledge of art and/or art history is helpful. Please note that some of the artwork and information addressed contains mature content.

AP ART HISTORY II: Renaissance to Today (Elective)

One credit, Spring only, Prerequisite: AP Art History 1: Prehistoric to Baroque

Students will explore art movements, artists, and works of art in the context of global history from the Renaissance period to the present. Students will develop a knowledge base that will enable them to recognize various styles and artists and will also learn to analyze and interpret artworks by examining composition, context, function, patronage and other variables. The class will primarily focus on the 250 artworks and content areas selected by AP, but will also include other historically and culturally significant works. The class involves lecture, research, discussion, and limited art production. Strong study skills are recommended and a background knowledge of art and/or art history is helpful. Please note that some of the artwork and information addressed contains mature content.

CERAMICS: BEGINNING (Elective)

One credit, Prerequisite: Intro to Art

Students will be introduced to ceramic history, criticism, aesthetics, and basic production techniques. Students will be introduced to the hand building process of pinch, coil, slab construction, and simple mold techniques. Students will learn various glazing and decorating techniques.

CERAMICS: ADVANCED (Elective)

One credit, Prerequisite: Intro to Art and Ceramics: Beginning

Students will continue building upon the skills developed in Ceramics: Beginning. Students will be introduced to wheel throwing, ceramic chemistry, and glaze formation. The course will progress from a technical focus to one of personal expression. As students repeat this course they will be expected to pursue a more individual approach to the study of ceramics, using an appropriate technique or combination of techniques for the concept, idea, or expression. Students will research alternative firing and glaze calculation in the creation of functional and non-functional work.

COMPUTER GRAPHICS/VISUAL COMMUNICATIONS (Elective)

One credit, Prerequisite: Intro to Art

Students will be introduced to the fundamentals of computer-aided art, design theories and concepts, typography, history of computer art and color printing. Students will use the computer as a tool to create visual works of art. Students will be expected to continue to work with the various techniques and fundamentals learned in Introduction to Art.

DRAWING: BEGINNING (Elective)

One credit, Prerequisite: Intro to Art

Students will experience drawing from life—from simple objects to the relationship of two or more objects in space, and finally the organization of the entire drawing surface. This course provides a strong basic vocabulary of techniques, terms, and materials upon which

students build their further studies. Basic drawing skills designed to aid in better ways of seeing are stressed with emphasis on eye-hand coordination. Students work with a variety of dry media that may include pencil, colored pencil, charcoal, conte, pastels, oil pastels, and pen and ink.

DRAWING: ADVANCED (Elective)

One credit, Prerequisite: Intro to Art and Drawing: Beginning

Students taking this class will continue to build upon fundamentals and skills learned in beginning drawing. Students will be expected to produce drawings that incorporate study from still life, figure, and experimental approaches in drawing. Students will pursue a more individual approach to the study of drawing. Students will be encouraged to use an appropriate technique or combination of techniques for the concept, idea, and/or expression. Students taking this class will have experiences in art history, art criticism, aesthetics, and production.

INDEPENDENT STUDY ART (Elective)

One credit, Prerequisite: Intro to Art, achieved advanced level in a two- or three-dimensional area, permission of instructor and department chairperson

Juniors and seniors who have exhausted at least two course areas (in addition to Intro 2D Art) may be eligible for independent study. Students may, through an art faculty member, fill out an application, submit a portfolio and gain approval from the department chairperson for enrollment.

JEWELRY: BEGINNING (Elective)

One credit, Prerequisite: Intro to Art

This course will progress from the standpoint that drawing is fundamental to jewelry production. Students will be introduced to various metals, basic jewelry design, and fabrication techniques including, but not limited to sawing, piercing, filing, and soldering. In addition the student will be introduced to the basic vocabulary used in jewelry. Students taking this course will engage in sequential experiences that encompass art history, art criticism, aesthetics, and production.

JEWELRY: ADVANCED (Elective)

One credit, Prerequisite: Intro to Art and Jewelry: Beginning

This course will continue to reinforce that drawing is fundamental to jewelry production. Students will increase their perspective and expressive skills through the use of a variety of materials, tools, and techniques. Students will be involved with a variety of jewelry making processes, i.e. stone setting, marriage of metals, repousse, inlay, etching, and the design of original findings. Along with the technical aspects of jewelry making will be the continued study and development of the elements of art and the principles of design. Students taking this course will have experiences that encompass art history, art criticism, aesthetics, and production.

PAINTING: BEGINNING (Elective)

One credit, Prerequisite: Intro to Art and Drawing: Beginning

Students will be provided with sequential learning experiences in fundamental painting techniques. This course will progress from the standpoint that drawing is fundamental to learning to paint. Students will be introduced to various painting techniques such as transparent washes, opaque application, and mixed media. Students will have experiences using a variety of media that may include, but are not limited to tempera, transparent watercolor, acrylic, watercolor, oil, and ink. Students will be expected to develop a proficiency in the areas of water based media, i.e. acrylic, watercolor, and tempera paints. Students taking this course will have experiences that encompass art history, art criticism, aesthetics, and production.

PAINTING: ADVANCED (Elective)

One credit, Prerequisite: Intro to Art, Drawing: Beginning, and Painting: Beginning

Students will be expected to develop a proficiency in the areas



of acrylic painting, gouache painting, and mixed media. Students will be encouraged to develop an ability to use their paintings as a means of self-expression. Areas of study may include, but not be limited to: the technique of hard edge painting, collage, ink resist, glazes both over and under paintings, oil painting, encaustic techniques, and canvas stretching (as time permits). This course may be repeated.

PHOTOGRAPHY - MEDIA ARTS

For all photography courses, students must have a digital camera. It may be compact, point-and-shoot, or DSLR camera as long as it has a resolution of at least 10 megapixels and scene and/or exposure modes. It should also have a short shutter delay or no shutter delay. (A zoom lens, image stabilization, and adjustable ISO, flash and focus settings are ideal but not essential. Most cameras now have all of these features.) In addition, students will need a flash or jump drive and two or more memory cards with at least 16 GB. Teachers will provide recommendations for cameras, materials and resources. Students will also need to purchase print cards at the book store to cover printing costs. Lab fees will cover other costs like photo paper and matboard. Cameras and photographic materials tend to be expensive; it is important that students and their parents understand the financial commitment and responsibility.

BEGINNING PHOTOGRAPHY: Media Arts (Elective)

One credit, Prerequisite: Intro to Art

In this course, students will develop the technical knowledge and skills required to take photographs with a digital SLR camera, make minor corrections in Adobe Photoshop, and print good quality images. The course will also explore the history of photography and photography as an art. Students will learn to recognize images with good composition and develop the critical thinking skills required to

plan and intentionally produce well-organized images.

ADVANCED PHOTOGRAPHY: Media Arts (Elective)

One credit, Prerequisite: Intro to Art and Beginning Photography: Media Arts

In this course, students will continue to develop the compositional and technical skills acquired in beginning photography. In addition, students will explore the work of master photographers and learn alternative photographic techniques, while developing a sense of personal expression and a body of work for a portfolio.

SCULPTURE: BEGINNING (Elective)

One credit, Prerequisite: Intro to Art

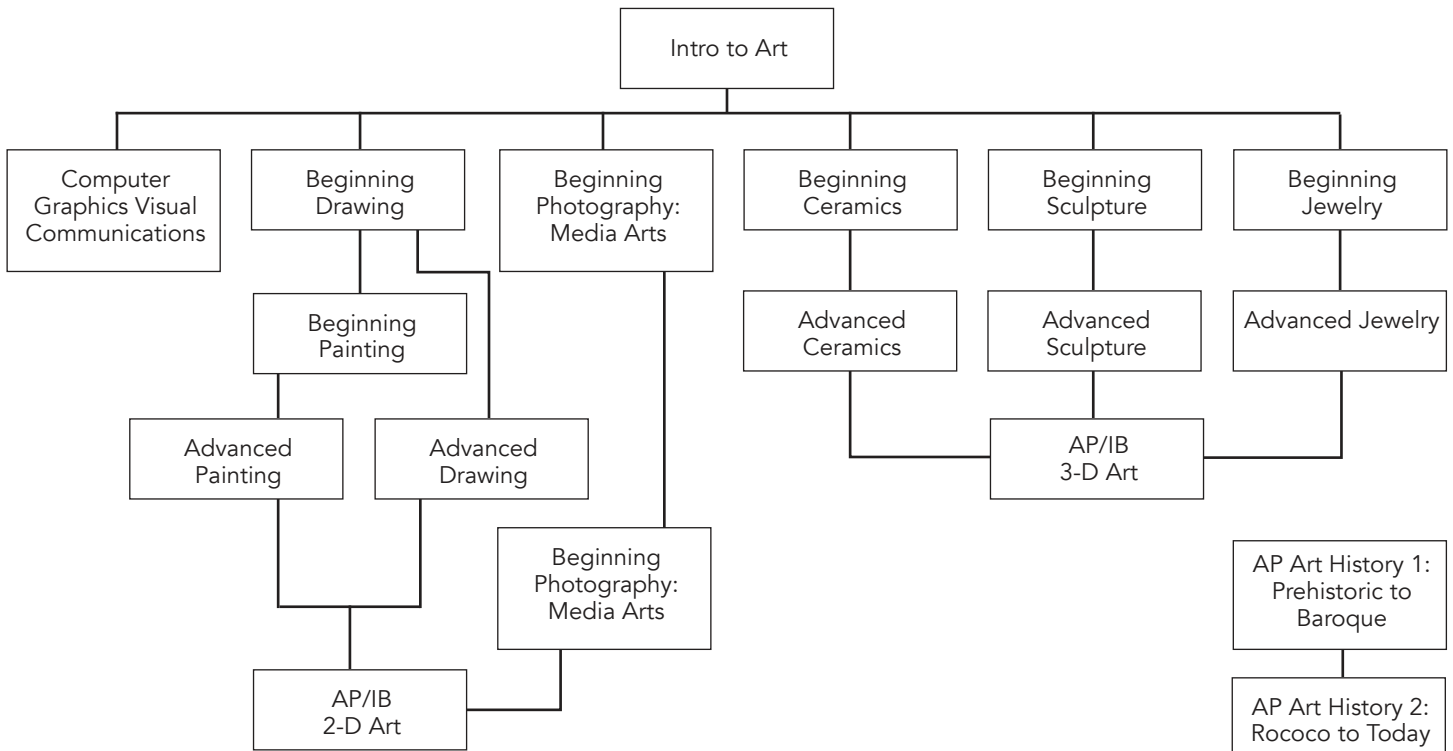
Students will study history, criticism, aesthetics, and production of sculpture. Students will be introduced to various sculpture ideas, techniques, and media, including paper, wood, clay, and plaster. Students will explore the basic sculpture processes: molding, assembly, carving, and casting.

SCULPTURE: ADVANCED (Elective)

One credit, Prerequisite: Intro to Art and Sculpture: Beginning

Students will continue to explore the techniques and media introduced in beginning sculpture. The course will progress from a technical focus to one of more personal expression. As this course will be repeated, students will be expected to pursue a more individual approach to the study of sculpture. They will be encouraged to use an appropriate technique or combination of techniques for the concept, idea, or expression. Students will utilize advanced techniques and problem solving.

Visual Arts Flowchart



WORLD LANGUAGE DEPARTMENT



COURSE OFFERINGS	PREREQUISITE(S)
Chinese 1/2	None
Chinese 3/4	Chinese 1/2
Chinese 5/6	Chinese 3/4
Chinese 7/8	Chinese 5/6
Chinese 9/10 (AP or CP)	Chinese 7/8
French 1/2	None
French 3/4 CP	French 1/2
French 3/4 X	French 1/2
French 5/6 CP	French 3/4 CP or French 3/4 X
French 5/6 X	French 3/4 X
French 7/8 CP/ACP	French 5/6 CP or French 5/6 X
French 7/8 X	French 5/6 X
French 9/10 CP/ACP	French 7/8 CP/ACP or 7/8 X
AP/IB French 9/10	French 7/8 X
German 1/2	None
German 3/4 CP	German 1/2
German 5/6	German 3/4 CP
German 7/8	German 5/6
German 9/10 (AP or CP)	German 7/8
Hebrew 1/2	None
Hebrew 3/4	Hebrew 1/2
Hebrew 5/6	Hebrew 3/4

COURSE OFFERINGS	PREREQUISITE(S)
Hebrew 7/8	Hebrew 5/6
IB Hebrew 9/10	Hebrew 7/8
IB Hebrew 11/12	IB Hebrew 9/10
Japanese 1/2	None
Japanese 3/4	Japanese 1/2
Japanese 5/6	Japanese 3/4
Japanese 7/8	Japanese 5/6
Japanese 9/10 (AP or CP)	Japanese 7/8
Latin 1/2	None
Latin 3/4	Latin 1/2
Latin 5/6	Latin 3/4
Latin 7/8 (AP or CP)	Latin 5/6
Latin 9/10 (AP or CP)	AP/IB Latin 7/8
Spanish 1/2	None
Spanish 3/4 CP	Spanish 1/2
Spanish 3/4 X	Spanish 1/2
Spanish 5/6 CP	Spanish 3/4 CP or 3/4 X
Spanish 5/6 X	Spanish 3/4 X
Spanish 7/8 CP/ACP	Spanish 5/6 CP or 5/6 X
Spanish 7/8 X	Spanish 5/6 X
Spanish 9/10 CP/ACP	Spanish 7/8 CP/ACP or 7/8 X
AP/IB Spanish 9/10	Spanish 7/8 CP/ACP or 7/8 X

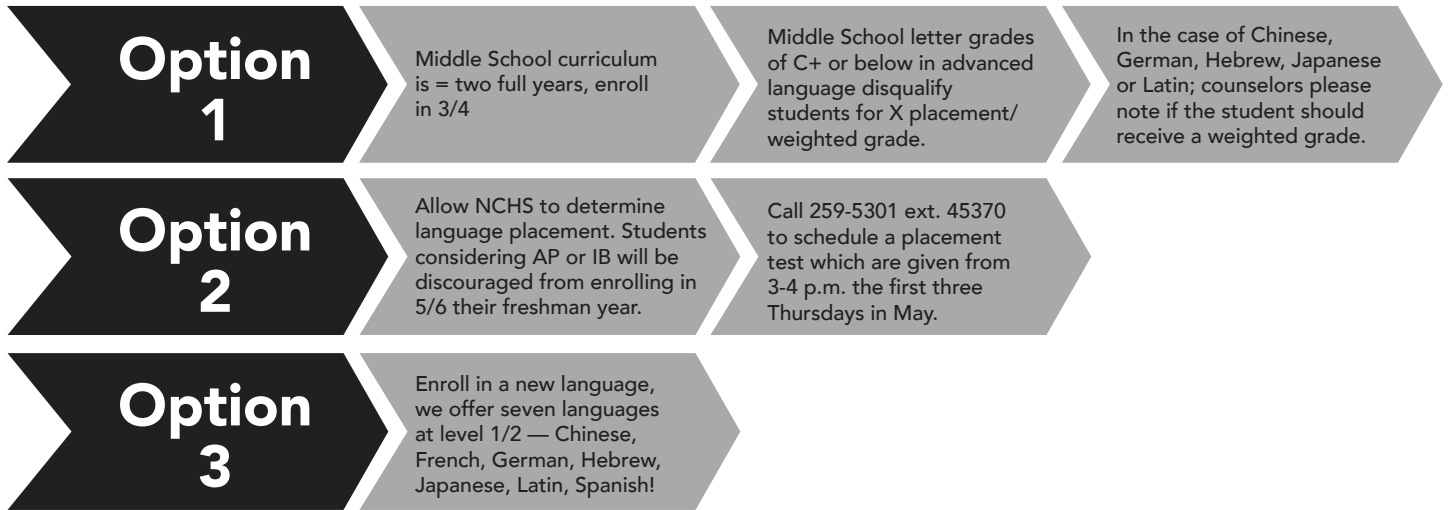
- **IT IS STRONGLY RECOMMENDED THAT STUDENTS TAKE A WORLD LANGUAGE IN GRADE 9 AND GRADE 10.**
- **THE CERTIFICATE OF MULTILINGUAL PROFICIENCY WILL BE OFFERED STARTING WITH THE 2019-2020 SCHOOL YEAR. The Certificate of Multilingual Proficiency is an award designating that a student has attained a high level of proficiency in one or more languages in addition to English. This designation will appear on the student's transcript for use by universities and employers.**

World Language Department Policies

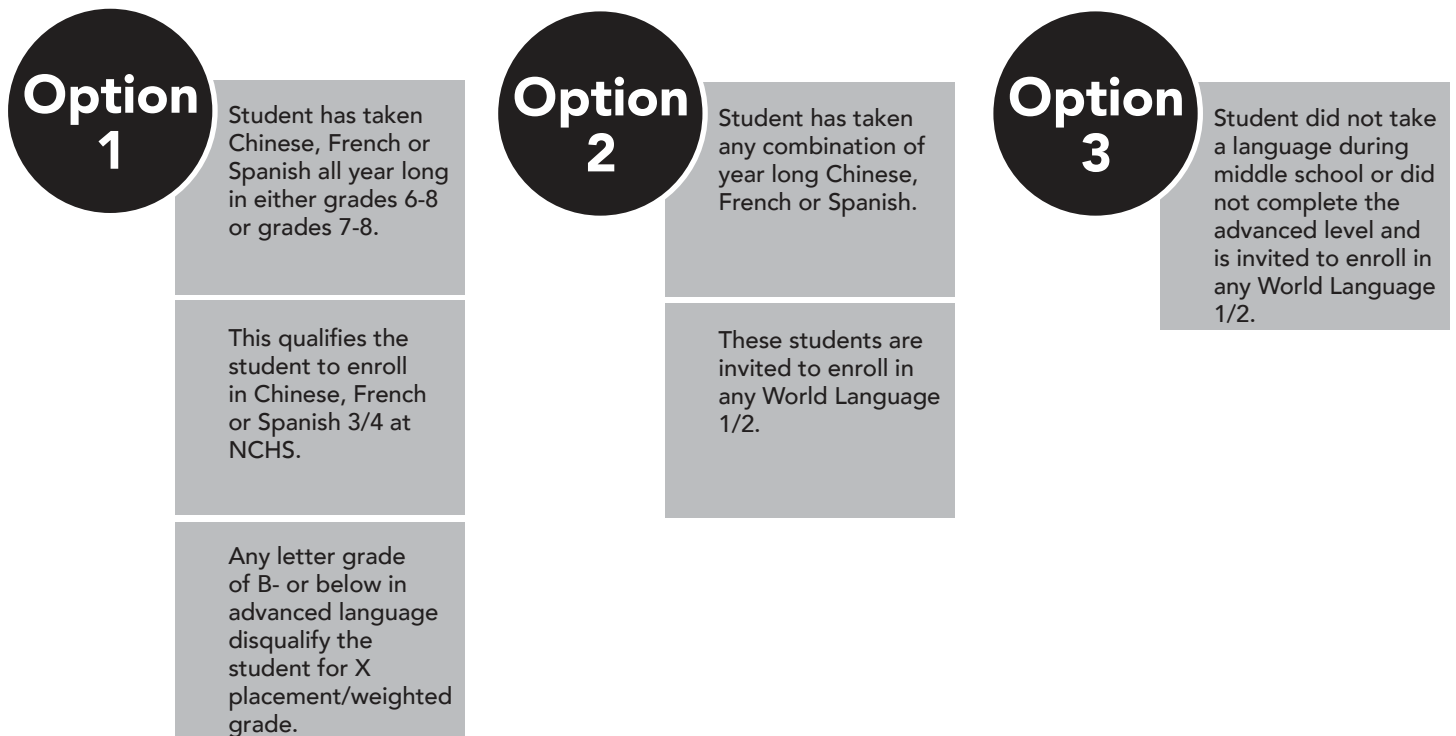
1. Freshmen who have completed and passed Advanced Chinese, Spanish or French at a Washington Township middle school are not eligible to take 1/2 of the same language in high school.
2. Incoming out-of-district freshmen can only take language level 1 (1/2) or level 2 (3/4) **without** taking the placement exam.
3. Placement in a 3/4 X class requires that the student meet the criteria for placement in a weighted class as explained on page 9. X classes are available in French and Spanish levels 2-5. **Please see World Language prerequisites for other levels beyond 3/4 as they outweigh all other criteria. Moves from CP to X will not be approved beyond level 2 (French and Spanish 3/4).**
4. If **any** middle school student wants to count level 1/2 language on their NCHS transcript advanced language grades will be used.
5. Chinese, German, Hebrew, Japanese and Latin students in levels 3/4 and above, who would qualify for an X class, if one existed, receive a weighted grade, as do students in X Spanish and French.
6. AP/IB Chinese, French, Spanish, Latin, German and Japanese are the final courses in which students prepare to take Advanced Placement exams. These courses and Hebrew 9/10, 11/12, can also prepare students for International Baccalaureate Language B standard or higher Level Exams, and other college placement exams. 7/8 weighted courses and curriculum will also have a focus on AP and IB exams, their content and formats.
7. French and Spanish 7/8 & 9/10 CP are not weighted courses; nor is ACP French or Spanish.
8. Transfer students will be placed in world language classes as indicated by an official transcript of grades from the previous school of attendance and/or a placement test. Heritage speakers will be evaluated and placed by the World Language Department according to their level of oral and written fluency.
9. In the very few cases in which it may be appropriate for a student to complete a course through course extension or to skip one or more semesters, the approval of the teacher and department chairperson is required.



Out-of-District Freshman World Language Enrollment



Washington Township Freshman World Language Enrollment



French or Spanish at NCHS



Step 1 French or Spanish 1/2

For any NCHS student who does not already have French or Spanish 1/2 on his/her high school transcript.

For incoming freshman, see middle school flow chart.



Step 2 French or Spanish 3/4CP or X

After completing 1/2 at NCHS or another high school, students take either 3/4CP or X.

To enroll in X ALL students must meet NCHS X enrollment qualifications. Students should also be reminded here that the prerequisite for future enrollment in an X language class is enrollment in an X language class.



Step 3 French or Spanish 5/6CP or X

After completing 3/4 at NCHS or another high school, students continue with either 5/6CP or X.

To continue enrollment in X ALL students must meet NCHS X enrollment qualifications. Students previously enrolled in a CP class must continue on in a CP class.



Step 4 French or Spanish 7/8CP or X

After completing 5/6 at NCHS or another high school, students continue with either 7/8CP or X.

To continue enrollment in X ALL students must meet NCHS X enrollment qualifications. Students previously enrolled in a CP class must continue in a CP class.

CP and ACP are taught in the same class; students interested in ACP will enroll with the language teacher.



Step 4 French or Spanish 9/10CP or X

After completing 7/8 at NCHS or another high school, students continue with either 9/10CP or X.

To continue enrollment in X ALL students must meet NCHS X enrollment qualifications. Students previously enrolled in a CP class must continue in a CP class.

CP and ACP are taught in the same class; students interested in ACP will enroll with the language teacher.

Students enrolled in 9/10X will have curriculum to support success on AP or IB exams.

Chinese, German, Hebrew, Japanese, Latin at NCHS



Step 1 World Language 1/2

For any student who does not already have Chinese, German, Hebrew, Japanese or Latin 1/2 on his/her high school transcript.



Step 2 World Language 3/4

After completing 1/2 at NCHS or another high school, students take 3/4.

At any level, 3/4 — 9/10, the language teacher will submit student names at the start of each school year who qualify for a weighted grade.



Step 3 World Language 5/6

After completing 3/4 at NCHS or another high school, students take 5/6.

At any level, 3/4 — 9/10, the language teacher will submit student names at the start of each school year who qualify for a weighted grade.



Step 4 World Language 7/8

After completing 5/6 at NCHS or another high school, students take 7/8.

At any level, 3/4 — 9/10, the language teacher will submit student names at the start of each school year who qualify for a weighted grade.



Step 5 World Language 9/10

After completing 7/8 at NCHS or another high school, students take 9/10.

At any level, 3/4 — 9/10, the language teacher will submit student names at the start of each school year who qualify for a weighted grade.

Students enrolled in 9/10 will have curriculum to support success on AP or IB exams.



Explanation of Differences Between CP and X World Language Courses

CP (College Prep) Curriculum/Instruction

- English is often used in class to accomplish such tasks as classroom management, directions, grammar instruction and learning strategies.
- Students tend to need more visual and kinesthetic reinforcement in order to comprehend auditory cues.
- Students are encouraged to ask questions and express needs or opinions in the world language.
- Activities are highly structured and more time is spent clarifying directions.
- More emphasis is placed on recall of factual information and providing simple explanations.
- The context evolves mainly out of students' personal experiences.
- Students are expected to demonstrate control of basic linguistic patterns and essential vocabulary.
- Students may need more detailed preparation in order to complete tasks independently.
- Students are encouraged to go beyond the minimum requirements.
- Students at levels IV and V German, French and Spanish are encouraged to pursue ACP dual credit.

X (Accelerated Curriculum/Instruction)

- The majority of the class is conducted in the world language. By fourth year English is used on rare occasions, primarily to explain subtle grammar points.
- Students are more able to comprehend information based solely on auditory cues.
- Students are expected to ask questions and express needs or opinions in the world language.
- Activities are expected to be open-ended and student directed.
- More emphasis is placed on analysis and synthesis.
- Context more frequently moves beyond personal experience to application to new situations.
- Students are expected to demonstrate control of a wider variety of linguistic patterns and vocabulary.
- Students are expected to be more independent learners and to take more responsibility in meeting their own needs.
- Students are expected to exceed the minimum requirements.
- Students at levels IV and V prepare for Advanced Placement and/or International Baccalaureate exams.



INTRODUCING...

PANTHERQUEST 2019

AN EXPERIENCE YOU WILL ALWAYS REMEMBER!



WHAT IS IT?

It is a one-day orientation camp for incoming ninth graders. Led by a dynamic staff of North Central students and teachers, every participant will have the chance to learn about North Central. . . and have fun doing it!

By the end of your special day at North Central, you will . . .

- know your way around the North Central campus
- have met lots of new people
- be prepared to deal with crucial issues facing high school students today!

WHERE IS IT?

North Central High School
1801 East 86th Street

Fee: \$15 (included as part of freshman book rental fees at school registration in August — Includes T-shirt)
Camp Time: 7:30 a.m. - 3 p.m.

Students are assigned to a specific date by last name listed below. All eighth graders in Washington Township will receive additional information in February.

DATE	STUDENT LAST NAME	TIMES
Monday, July 15	A-D	7:30 a.m. — 3 p.m.
Tuesday, July 16	E-J	7:30 a.m. — 3 p.m.
Wednesday, July 17	K-R	7:30 a.m. — 3 p.m.
Thursday, July 18	S-Z	7:30 a.m. — 3 p.m.

Funding for PantherQuest is provided by the Washington Township Schools Advancement Center and North Central High School.

QUESTIONS regarding the date you are assigned or bus transportation should be emailed to Cheryl Donavan at cdonovan@msdwt.k12.in.us or call 259-5301 ext. 45320.

WHEN IS IT?

July 2019!
July 15-18

BRING A SACK LUNCH!

Bus Route Information
Pick-Up/Drop-Off

Crooked Creek
6:45a.m./3:45 p.m.

Westlane
7 a.m./3:30 p.m.

Greenbriar
7:15 a.m./3:15 p.m.

John Strange
6:45 a.m./3:45 p.m.

Eastwood
7 a.m./3:30 p.m.

Allisonville
7:15 a.m./3:15 p.m.

PARENTS — DO NOT FEEL LEFT OUT!

Please plan to attend PARENTQUEST from 7:30 a.m. to 9 a.m. on the date that your student attends PantherQuest. Learn from teachers, students and PTO members the answers to many of your questions concerning your student's first year at North Central High School. Please enter through door #1 and follow the signs to room H193.







2019-2020 REGISTRATION

Wednesday, July 24, 2019
Registration from noon to 7:00 PM

See NCHS website for Online Registration, New Student Orientation
and First Day of School Dates!

SCHOOL FIGHT SONG

NC Fight Song
Hail our Panthers, hats off to thee,
To our colors true we will ever be,
Red, black, white united we stand,
Working ever, failing never,
Pulling for our team together.
Panthers, we think you're grand.
GRAND
NC