LAKE CENTRAL HIGH SCHOOL

9th GRADE Course Selection Guide

2018-2019

LAKE CENTRAL HIGH SCHOOL

Office Hours: 6:50 a.m. – 2:50 p.m. **Phone: 219-365-8551**

Lake Central High School (LCHS) is located in St. John, Indiana and serves the "Tri-town Area" which includes the communities of Dyer, Schererville, and St. John, Indiana. The Tri-town covers an area of 32 square miles and has over 60,000 diverse residents. It is situated in the northwest corner of Indiana only 35 short miles southeast of Chicago, IL and 158 miles northwest of Indianapolis, IN. The district's proximity to large metropolitan areas, along with settings ranging from suburban to rural, has caused continued growth and desirability in the community.

The Lake Central Community School district is made up of six elementary schools (K-4), three middle schools (5-8), and one high school (9-12). Approximately 10,000 culturally, academically, and economically diverse students are served in an educationally rigorous and challenging atmosphere

As a result of rapid community growth and advances in educational technology, LCHS recently completed a significant renovation on the current school campus.
Renovations include:

- **880,000 square feet of student-centered space**
- **Three story Academic Wing**
- **Olympic size competition pool**
- **1,100 seat Theater**
- **Outdoor Athletic Complex with turf baseball, softball, and football fields**
- **3,800 seat gym**

Lake Central High School has been fully accredited by AdvanceED since opening its doors in 1966. The course offerings available to LCHS students are among the most abundant and rigorous in the state.

- **186 Course Options**
- **21 AP (Advanced Placement) Courses**
- **27 Dual Credit Courses plus many additional dual credits available through the Area Career Center**
- **23 Career Technology Courses and Certifications**
- **18 Honors/Advanced Courses**

Lake Central High School enrolls approximately 3,200 students in grades 9-12. This places LCHS as one of the top 6 largest public high schools in the State of Indiana.

Graduates

- **95% Graduation Rate**
- **92% Core 40 Diploma or higher**
- **37% Core 40 with Academic Honors**
- **73% of Graduates pursued a college education**

State of Indiana
End of Course Assessments

97% of LCHS Graduates were proficient in both English and Math ECA Standards

Advanced Placement

- **1,466 AP Tests taken in 2017**
- **60% Earned a 3 or higher**
- **37% of 2016 grads earned a 3 or higher**

Dual Credit

- **20,000+ Dual Credits earned since 2011**
- **Dual Credit partnerships with FIVE Indiana universities/colleges!**

LCHS CLASS OF 2017 earned more than $14.3 MILLION in SCHOLARSHIPS!!

GRADUATION REQUIREMENTS

Every student must have at least 46 credits in order to receive a diploma from Lake Central High School. One credit is given for each course passed each semester.

Lake Central High School

CORE 40 *(minimum 46 credits)*

Course and Credit Requirements	
English/ Language Arts	**8 credits** Including a balance of literature, composition and speech.
Mathematics	**6 credits** 2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II Students **must** take a math or quantitative reasoning course **each** year in high school
Science	**6 credits** 2 credits: Biology I 2 credits: Chemistry I or Physics I or Integrated Chemistry-Physics 2 credits: any Core 40 science course
Social Studies	**6 credits** 2 credits: U.S. History 1 credit: U.S. Government 1 credit: Economics 2 credits: World History/Civilization or AP Human Geography/Geography/ History of the World
Directed Electives	**5 credits** World Languages Fine Arts Career-Technical
Physical Education	**2 credits (1 Gym, 1 Pool)**
Health and Wellness	**1 credit**
Personal Financial Responsibility	**1 credit**
Electives*	**6 credits** *At least 6 credits should come from a College and Career Pathway.

Lake Central High School - 46 Total Credits Required

CORE 40 with Academic Honors *(minimum 47 credits)*

For the **Core 40 with Academic Honors** diploma, students must:

- Complete all requirements for Core 40.
- Earn 2 additional Core 40 math credits.
- Earn 6-8 Core 40 world language credits (6 credits in one language or 4 credits each in two languages).
- Earn 2 Core 40 fine arts credits.
- Earn a grade of a "C" or better in courses that will count toward the diploma.
- Have a grade point average of a "B" or better.
- Complete one of the following:
  - A. Earn 4 credits in 2 or more AP courses and take corresponding AP exams
  - B. Earn 6 verifiable transcripted college credits in dual credit courses from the approved dual credit list.
  - C. Earn two of the following:
    1. A minimum of 3 verifiable transcripted college credits from the approved dual credit list,
    2. 2 credits in AP courses and corresponding AP exams,
  - D. Earn a combined score of 1750 or higher on the SAT critical reading, mathematics and writing sections and a minimum score of 530 on each
  - E. Earn an ACT composite score of 26 or higher and complete written section

CORE 40 with Technical Honors *(minimum 47 credits)*

- Complete all requirements for Core 40.
- Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following:
  1. State approved, industry recognized certification or credential, or
  2. Pathway dual credits from the approved dual credit list resulting in 6 transcripted college credits
- Earn a grade of "C" or better in courses that will count toward the diploma.
- Have a grade point average of a "B" or better.
- Complete one of the following,
  - A. Any one of the options (A - F) of the Core 40 with Academic Honors
  - B Earn the following scores or higher on WorkKeys; Reading for Information – Level 6, Applied Mathematics – Level 6, and Locating Information-Level 5.
  - C. Earn the following minimum score(s) on Accuplacer: Writing 80, Reading 90, Math 75.
  - D. Earn the following minimum score(s) on Compass; Algebra 66, Writing 70, Reading 80

Succeeding with the Indiana Core 40

(Lake Central students must earn 46 credits)

STUDENTS:

- ***Must meet the Core 40 standard to be considered for admission to an Indiana four-year college or university.***
- ***Should meet the Core 40 standard to ensure success in one-year and two-year college and technical training programs.***
- ***Should meet the Core 40 standard to ensure success in the workforce.***

The Core 40 diploma became Indiana's required high school curriculum with the class of 2010. Students entering high school after 2010 are expected to complete the requirements for a Core 40 diploma.

By providing all Indiana students a balanced sequence of academically rigorous high school courses in the core subjects of English/language arts, mathematics, science, and social studies; physical education/health and wellness; and electives including world languages, career/technical, and fine arts, the Core 40 requirement gives all our students the opportunity to compete with the best. For more information about Core 40 and your career and course plan, see your counselor and/ or visit Learn More Resource Center at www.learnmoreindiana.org.

To graduate with less than Core 40, a student must complete a formal opt-out process involving parental consent. See your school counselor for further details.

END OF COURSE ASSESSMENTS (ECA's) and 10 ISTEP+

Based on requirements from the Indiana Department of Education, students in the class of 2017 and 2018 are required to pass the ECA exam in Algebra I and English 10. Students in the class of 2019 and beyond are required to pass the 10 ISTEP+. An opportunity to appeal for a diploma will be made available to students who do not pass these requirements. (Appeals are not guaranteed. Students not passing either ECA or the 10 ISTEP+ and not receiving an appeal will not earn a diploma).

QUANTITATIVE REASONING COURSES

In November 2011, the State Board of Education passed graduation requirements that affect incoming freshman beginning in 2012-2013, including requirements for quantitative reasoning (applied mathematics) courses.

- For the Core 40, Academic Honors (AHD), and Technical Honors (THD) diplomas, students must take a mathematics course or a quantitative reasoning (applied mathematics) course each year they are enrolled in high school. 511 IAC 6-7.1-6 (a) (4)
- For the General Diploma, students must earn two credits in a mathematics course or a quantitative reasoning (applied mathematics) course during their junior or senior year. 511 IAC 6-7.1-4 (c) (4)
- A quantitative reasoning (applied mathematics) course is a high school course that "advances a student's ability to apply mathematics in real world situations and contexts" and that "deepens a student's understanding of high school mathematics standards."
- The Indiana Department of Education will provide an annual review to determine the high school courses that meet these criteria.

Business, Marketing, and Information Technology
Advanced Accounting
Computer Science I
Computer Science II:
Personal Financial Responsibility
AP Computer Science A

Engineering and Technology
Civil Engineering and Architecture
Engineering Design and Development
Principles of Engineering

Social Studies
Economics
AP Macroeconomics
AP Microeconomics

Science
Chemistry I
H Chemistry II
Chemistry ACP
Integrated Chemistry-Physics
AP Physics 1: Algebra-Based
AP Physics B
AP Physics C Physics I
AP Biology
AP Chemistry
AP Environmental Science

Trade and Industrial
Advanced Manufacturing II
Architectural Drafting and Design II
Construction Trades II
Precision Machining I
Precision Machining II

CLASS RANK AND GRADUATION HONORS

On August 17, 2009, the Lake Central School Board adopted a policy to eliminate class rank from the high school transcript. Board Policy 007.22 took effect with the graduating class of 2012. There will no longer be a class valedictorian and salutatorian.

DISTINGUISHED HONORS AT GRADUATION

Grade point average is based on a 4.0 scale. A weighted factor is used for Honors and Advanced Placement classes resulting in an individual's GPA exceeding a 4.0. Three distinct classifications will be recognized at graduation:

Distinction	Translation	Accoutrements for Ceremony	Required GPA
SUMMA CUM LAUDE	'With highest honor"	Hood	4.5 or higher
MAGNA CUM LAUDE	"With great honor"	Stole	4.2500-4.4999
CUM LAUDE	"With honor"	Cords	4.000-4.2499

To qualify for any of these distinctions, individuals will need a **minimum of 47 credits** at the end of the 8th semester. (Note: Senior Honors Night takes place prior to the completion of the 8th semester. As a result, students that have qualified for one of the distinctions by the end of the 7th semester are recognized at this event. **Every effort** will be made to recognize students that reach one of the distinctions at the end of the 8th semester – graduation program, commencement seating, etc., but due to time restraints, this cannot be guaranteed.)

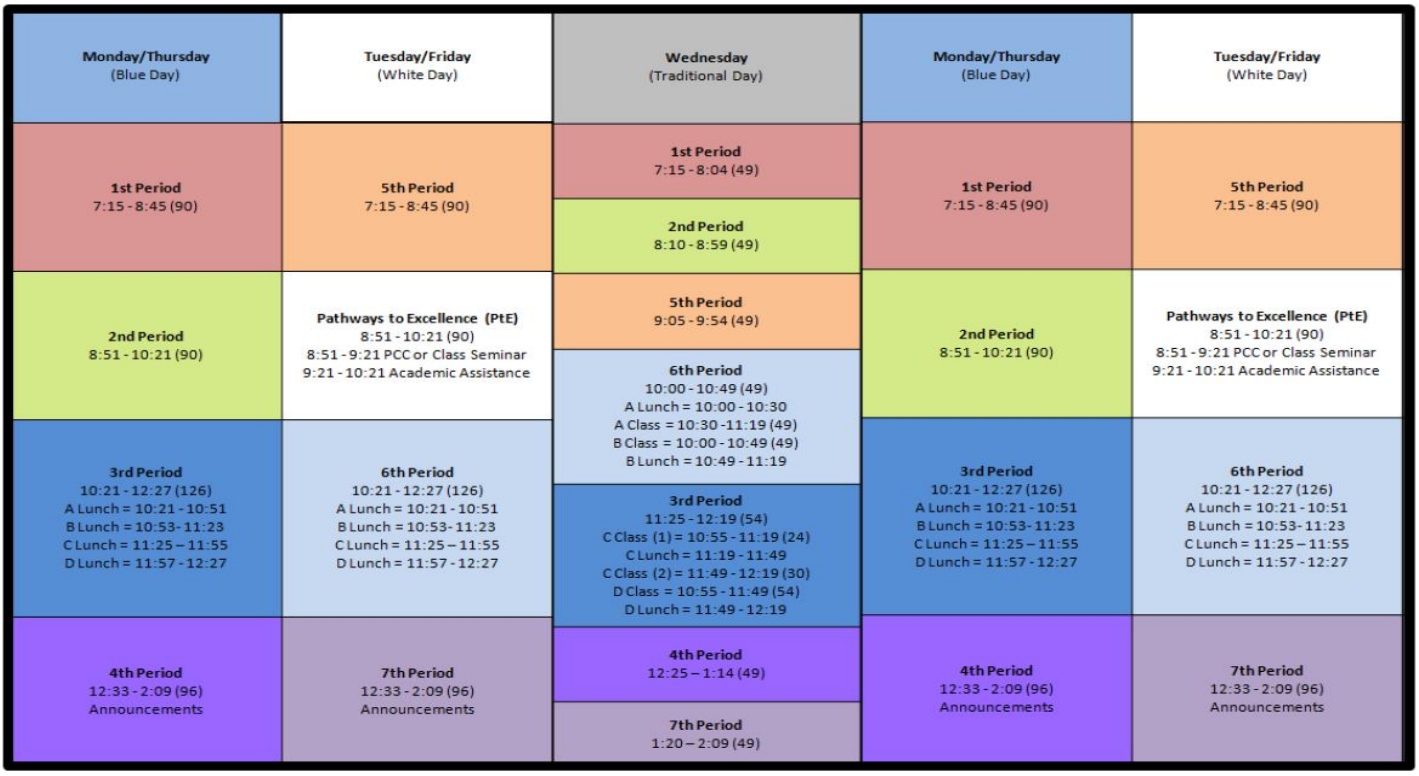
EARLY GRADUATION

Students who have completed all graduation requirements may graduate early. Students need to plan ahead carefully when considering this option. This decision should include a detailed plan of completing all required courses (may include summer courses) and students should work closely with their prospective college admissions offices. In order to ensure all graduation requirements are met and afford the appropriate planning time, students should contact their assigned counselor a year in advance. Those electing to graduate in January of their senior year should speak to their counselor the end of first semester – junior year. **Students electing to graduate in three years should speak to their counselors no later than the end of second semester – sophomore year.**

Bell Schedule

Every class meets three days a week. Monday and Thursday are Blue Days. Tuesday and Friday are White Days. Blue and White days consist of four 90 minute blocks. All classes meet on Wednesday for approximately 50 minutes. Students are able to take 7 courses in a semester plus an extra 90 minute period that meets twice weekly on White Days called Pathways to Excellence (PtE). During the first 30 minutes of PtE, students in 9th grade will earn credit for Preparing for College and Careers. 10th, 11th, and 12th grade students will have grade level specific seminars. The remaining 60 minutes is available for students to receive Academic Assistance.

DAILY BELL SCHEDULE



Pathways to Excellence (PtE) 8:51 – 10:21

Grade	***Course***	***Credits***	***Description***
9	**Preparing for College and Careers**	1/year	The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics to be addressed include twenty-first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; and managing personal resources. This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in depth investigation of one or more pathways, reviewing graduation plans, developing career plans, and developing personal and career portfolios. A project based approach, including computer and technology applications, cooperative ventures between school and community, simulations, and real life experiences.
10	**Sophomore Seminar**	0	Grade level specific activities; revisit 4 Year Plan, English and Math ISTEP preparation, testing strategies, targeted instruction for improvement, continued development of career plans and pathways, interest inventories.
11	**Junior Seminar**	0	Grade level specific activities; revisit 4 Year Plan, ACT/SAT preparation, testing strategies, targeted instruction for improvement, continued development of career plans and pathways, interest inventories, leadership opportunities, college application process.
12	**Senior Seminar**	0	The focus of this course is to prepare students for the transition from high school to post-secondary plans. Examples of the work that can be done in this course includes completing college applications, research trades and apprenticeships, write application essays, receive reminders about deadlines, and receive cap and gown information.

GENERAL INFORMATION

STUDENT RECORDS

All student records and personal information are considered private and confidential. Information will not be released to third parties without written consent of the parent or the student who is of legal age. No third party recipient of records shall release any part without written consent

REPORT CARDS

Grade reports are finalized every 9-weeks. Students and parents can regularly check grades, receive e-mail alerts, and read class-related information through Skyward.

GRADING STANDARDS

Percentage	Letter Grade	GPA Index	Weighted GPA Index
100% - 92.5%	A	4.00	5.0
92.49% - 89.5%	A-	3.67	4.67
89.49% - 86.5%	B+	3.33	4.33
86.49% - 82.5%	B	3.00	4.0
82.49% - 79.5%	B-	2.67	3.67
79.49% - 76.5%	C+	2.33	3.33
76.49% - 72.5%	C	2.00	3.0
72.49% - 69.5%	C-	1.67	2.67
69.49% - 66.5%	D+	1.33	1.33
66.49% - 62.5%	D	1.00	1.0
62.29% - 59.5%	D-	0.67	.67
59.49% - 0	F	0	0
Audit (no credit)	W/F, W, N	0	0

All accelerated classes are identified with Honors, Advanced, or AP and will reflect an additional 1.0 on the grade index. A grade of "D" in an accelerated class **will not** be awarded the additional 1.0 weighting. Honor roll is based on a 3.0 GPA. The requirement for high honor roll is a 3.67 GPA.

GRADE REPLACEMENT POLICY

When a student retakes a course, only the higher grade will be calculated in the student's grade point average and the lower grade will be treated as an audit. An audit grade appears on a transcript as an "N". **All courses will remain on the transcript.**

OUTSIDE CREDIT

Students may take courses by online, correspondence and/or adult education during any semester. Students must be enrolled in a minimum amount of pre-designated credit hours at Lake Central during a semester and receive the approval of their respective counselor and assistant principal. Pre-approval will ensure Lake Central High School will accept the grade and that the outside institution is accredited. If a student takes a course without pre-approval, they risk losing that credit.

CREDIT RECOVERY

Lake Central's Credit Recovery Program is meant to allow eligible junior and/or senior students to recover credits in core subjects during the school year and afford them the opportunity to get back on track with their classmates. This program is a privilege that will allow eligible students to complete courses at their own pace and place special emphasis on the necessary areas of remediation. Students will receive a grade no higher than a "C" upon satisfactory completion of the pretest, learning modules for the unit, posttests and end of semester tests. Only the replacement grade will be calculated in the student's grade point average and the lower grade will be treated as an audit. An audit (no grade) appears on a transcript as an "N". All courses will remain on the transcript. **Credit recovery courses do not meet NCAA standards**.

If a student retakes a course in a regular classroom setting or through Indiana Online Academy, there are no restrictions on the grade attainable. The higher grade will be calculated in the student's grade point average and the lower grade will be treated as an audit. An audit (no grade) appears on a transcript as an "N". All courses will remain on the transcript. It is the responsibility of the student to notify their school counselor upon successful completion of a course.

INDIANA DEPARTMENT OF EDUCATION DUAL CREDIT RULE (off-campus)

Under certain circumstances, students may be released from their high school schedule to attend college classes and apply the credits earned toward high school graduation. Parents interested in pursuing this option for their child should contact their school counselor for specific information.

DUAL CREDIT (on-campus)

Certain classes at LCHS have been identified as dual credit. Dual credit courses are authorized through an agreement with local colleges or universities. Students must meet all university requirements to be eligible for college credit. In some cases, students will be required to pay a fee to the university to receive the appropriate college credit. For more information, please contact the guidance department or check the LCHS dual credit website. Keep in mind that some courses are designated for dual credit **only** for juniors and seniors. Some colleges require a minimum GPA in order to enroll for dual credit, and some courses may require a placement test to be taken. Please check these requirements before signing up for dual credit. The agreements between Lake Central High School and the colleges, as well as the requirements and fees, are subject to change prior to the start of the courses. Students should be mindful of the college drop dates. A student may drop from dual credit and remain in the course.

LAKE CENTRAL HIGH SCHOOL
Dual Credits

High School Course	HS CODE	College Course	Institution	Approx. Cost	No. of College Credit Hours	GPA/Requirements	Core Transfer Library
Composition	E359DC	ENG - 104	Purdue Northwest	$25/cr hour	3	3.0	yes
United States History	H531DC	Hist - 105/106	Indiana University	$25/cr hour	6	2.75	yes
Sociology	H52100	SOC - 101	Indiana University	$25/cr hour	3	2.75	yes
Spanish III Honors	F72310	SPAN 101/SPAN 102	Purdue Northwest	$25/cr hour	6	3.0	yes
Spanish IV Honors	F72410	SPAN 201/SPAN 202	Purdue Northwest	$25/cr hour	6	3.0	yes
French III Honors	F71310	FR 101/FR102	Purdue Northwest	$25/cr hour	6	3.0	yes
French IV Honors	F71410	FR201/FR 202	Purdue Northwest	$25/cr hour	6	3.0	yes
Anatomy & Physiology Honors	S88010	BIO P130/N213	Indiana University	$25/cr hour	5	2.75	no
Financial Services (Advanced Accounting)	B21910	BUS A201	Indiana University	$25/cr hour	3	2.75	yes
Chem. 1 Honors (ACP II)	S30901	C101 & C 121	Indiana University	$25/cr hour	5	2.75	yes
Principles of Business Management		BUSN-101	IVY Tech	free	3	Writing: ACT English 17, PSAT 46, SAT 460, ITCC ACCUPLACER Custom Write Placer 4, ACCUPLACER Standard 80 sentence skills Reading: ACT 18, PSAT 46, SAT 460, IDOE/ITCC ACCUPLACER Custom 69, ACCUPLACER Standard 76	yes
Business Law	B23100	BUSN-201	IVY Tech	free	3		no
Business Management and Finance(Advanced Business Management)	B21610	BUSN - 105	IVY Tech	free	3		no
Information Communication and Technology I	B22900	CINS- 101	IVY Tech	free	3		yes
Principles of Marketing	B24100	MKTG-101	IVY Tech	free	3	Writing: ACT English 17, PSAT 46, SAT 460, ITCC ACCUPLACER Custom Write Placer 4, ACCUPLACER Standard 80 sentence skills Reading: ACT 18, PSAT 46, SAT 460, IDOE/ITCC ACCUPLACER Custom 69, ACCUPLACER Standard 76 Math: ACT 18, PSAT 46, SAT 460, ACCUPLACER 40 ELEM ALG or 60 ARITH, IDOE/ITCC ACCUPLACER ELEM ALG 45	no
Strategic Marketing		MKTG-230	IVY Tech	free	3	PREREQUISITE: MKTG 101 Principles of Marketing	no
Computer Programming I (Visual Basic)	B27110	SDEV-120	IVY Tech	free	3	Writing: ACT English 17, PSAT 46, SAT 460, ITCC ACCUPLACER Custom Write Placer 4, ACCUPLACER Standard 80 sentence skills Reading: ACT 18, PSAT 46, SAT 460, IDOE/ITCC ACCUPLACER Custom 69, ACCUPLACER Standard 76 Math: ACT 18, PSAT 46, SAT 460, ACCUPLACER 40 ELEM ALG or 60 ARITH, IDOE/ITCC ACCUPLACER ELEM ALG 45	no
Computer Programming II (C++)	B27210	SDEV -140	IVY Tech	free	3	PREREQUISITES: SDEV 120 Computing Logic. COREQUISITES: SDEV 120 Computing Logic.	no
Automotive Technology	basic	AUTI-100	IVY Tech	free	3	None	no
Automotive Technology	electrical	AUTI-111	IVY Tech	free	3	PREREQUISITE or COREQUISTIE: AUTC 100 Introduction to Automotive	no
Automotive Technology	brakes	AUTI-121	IVY Tech	free	3	PREREQUISITE or COREQUISITE: AUTI 111, Electrical Systems I or AUTC 113 Electrical and Electronics I	no
Automotive Technology	steering	AUTI-122	IVY Tech	free	3	PREREQUISITE or COREQUISITE: AUTI 111, Electrical Systems I or AUTC 113 Electrical and Electronics I	no
Precision Machining I & II	5782	MTTC-101	IVY Tech	free	3	None	no
Precision Machining I & II	5782	MTTC-110	IVY Tech	free	3	None	no
Intro To Engineering PLTW	4812	DESN-101	IVY Tech	free	3	None	no
Principles of Eng. PLTW	4814	DESN-104	IVY Tech	free	3	PREREQUISITE: DESN 101	no
Civil Engineering Architecture PLTW	4820	DESN-105	IVY Tech	free	3	PREREQUISITE: DESN 101 & DESN 104	no
Gr. Img Tch II		DESN 120/155(2016)	Vincennes University	free	6	(3) 2016	

All Dual Credit classes are subject to change.

HONORS/ADVANCED PLACEMENT (AP) CLASSES

In accordance with the purpose and philosophy of Lake Central High School, programs and courses are provided which meet the needs and individual differences of the intrinsically motivated student through honors courses and accelerated programs.

Classroom teachers will recommend students for enrollment in Honors and Advanced Placement classes based upon classroom performance and certain test scores. Several honors and Advanced Placement classes are available to all students who wish to pursue a more rigorous curriculum.

Level changes must be initiated by teachers no later than Friday, September 21, 2018 (6 weeks from the start of school). Teachers will track the student's progress and complete a Level Change Form to be reviewed by the student's team. This team includes the assistant principal, dean, school counselor, teacher, department head, and parent. Students dropping a class after the first six weeks will receive a W/F, may only drop to a study hall, and cannot have another study hall already in their schedule. Students performing below a weighted 3.0 for the semester should give serious consideration to transferring to a regular course second semester. Teachers are encouraged to and may recommend a student's transfer from a regular course to an honors course if class performance is exceptional.

Students are eligible to take the AP courses listed for their grade or any course from a previous grade level. Recommended courses, if applicable, should be completed prior to enrolling in an Advanced Placement course. Students may be recommended or advised on specific course placement. These recommendations are made to ensure a student will be challenged yet academically successful. In the event a student/family feels the recommendation is not appropriate, students or parents may submit a Course Recommendation Override form. The student's academic team will meet with the student, parent, counselor, assistant principal, and the department head of the academic course in question to determine final placement. Students who enroll in a course contrary to the final academic team recommendation and chooses to withdraw should be mindful of withdraw deadlines to avoid a W/F on their transcript.

The following accelerated classes are identified with Honors or AP and will reflect an additional 1.0 on the grade index. A grade of "D" in an accelerated class **will not** be awarded the additional 1.0 weighting.

Advanced Placement Courses (AP)

Art and Music
AP Studio Art 2D
AP Studio Art: 3D
AP Music Theory

Business
AP Computer Science A
AP Principles of Computer Science

English
English 11 AP Language and Composition
English 12 AP Literature and Composition

Math
AP Statistics
AP Calculus AB
AP Calculus BC

Science
AP Biology
AP Chemistry
AP Environmental Science
AP Physics 1
AP Physics C

Social Studies
AP U.S. Government & Politics
AP Human Geography
AP Microeconomics
AP Macroeconomics
AP Psychology

Honors Courses

English
English 9 Honors
English 10 Honors
Student Media Honors
Mass Media Honors

Mathematics
Algebra II Honors
Geometry Honors
Pre-Calculus/Trig Honors

Science
Anatomy & Physiology Honors
Biology Honors
Chemistry Honors
Chemistry Honors (ACP 1)
Chemistry Honors II

World Languages
French III Honors
French IV Honors
German III Honors
German IV Honors
Spanish III Honors
Spanish IV Honors

COURSE REQUEST AND SCHEDULE CHANGES

Designing your ideal schedule is an important decision. The high school master schedule is **created**, the budget is **prepared**, and staff is hired based on student course **requests**. Lake Central High School students are expected to **invest quality time** planning their course requests. This **planning** should consist of **consultation** with parents, teachers, counselors, college advisors, and anyone who could provide **sound advice** while working toward the student's **long-term goals. As a result,** students are expected to remain on the schedule that is provided for them at the beginning of the school year and parents must approve all changes.

Procedures for Schedule Changes:
During the scheduling process for the next year, requests for changes are subject to course availability and should be made with the student's school counselor by **Wednesday, May 1, 2018**. Any students requesting schedule changes **after May 1, 2018**, will need to complete a ***Schedule Change Request*** form. This **must be** turned into Guidance no later than **Friday, August 3, 2018 by 3:00pm.** This cannot be emailed or faxed. The **Schedule Change Committee will review requests from Monday, August 6 through Thursday, August 9. Approved requests will be changed. Requests that are denied will be notified via email.**

Any students requesting schedule changes **after 3:00pm on Friday, August 3**, will need to complete a ***Schedule Change Request*** form and return it to Guidance **no later than Monday, August 20, 2018 by 2:15pm**. This must be physically dropped off to Guidance and cannot be emailed or faxed. These forms will be reviewed by a **Schedule Change Committee** and approved requests will be completed by **Tuesday, August 21, 2018**. Requests that are denied will be notified via email.

Students **who choose to drop a class after the first six weeks** will receive a **W/F** on their transcript, **may only drop to a study hall**, and **cannot have another study hall already in their schedule**. Students performing below a weighted 3.0 for the semester should give serious consideration to transferring to a regular course second semester. Teachers may also recommend a student's transfer from a regular course to an honors course if class performance is exceptional.

Level changes must be **initiated by teachers no later than Tuesday, September 25, 2018**. Teachers will track the student's progress and complete a Level Change Form to be reviewed by the student's academic team. This includes the assistant principal, school counselor, teacher, department head, and parent.

A student's schedule may also be changed for the following reasons:

A. Errors made by the school in developing the schedule
B. The school's need to balance class sizes
C. Medical reasons with documentation
D. To correct inappropriate placement - student with a failure and needs to repeat a class or a student placed at an inappropriate level.
E. To upgrade the content of the schedule - move to an advanced, Honors, or AP course, if available
F. Scheduling conflicts

ALL Schedule Change Request forms will be reviewed by the student's academic team to determine if a change is truly needed. ALL changes are contingent on the availability of the course requested. Requests for teacher changes will not be accommodated. Students are permitted only **one study hall**.

LCHS LIBRARY COMMONS

It is the purpose and the mission of the Lake Central Library Commons to empower students to become knowledgeable and critical consumers of information, in all of its varied formats. The Library Commons facility includes two computer labs, two small group project/study rooms, one large group project room and an art gallery showcasing Lake Central student art work. In addition, a student-run technology help desk is also housed on site. The library proper includes 45 student computer workstations and a print collection of over 12,000 volumes. Along with the print collection, numerous subscription databases, eBooks, and digital magazines are also available to students. Digital assets are accessible through the library's website at http://library.lcsc.us/lake-central-high-school/.

Students are expected to be courteous and to show respect for their fellow students, the library staff, the library facility and its furnishings, as well as the library materials. Water bottles are permitted in the library; other drinks and snacks are strictly prohibited.

Library Hours: 6:50 AM – 2:50 PM
Students may visit the library before school and after school at their discretion. During the school day, students may visit the library with their classes or with a signed pass from the librarian. Students wishing to visit the library during lunch must obtain a signed pass from the librarian prior to their lunch time. Students are requested to sign in at the circulation desk upon arrival and sign out when leaving the library.

PtE:
Students who wish to visit the library during PtE must request a pass from the librarian at any time before 7:15 AM of the day of the PtE. Only the librarian can issue library PtE passes and last minute requests will not be honored.

Study Hall:
Students who wish to visit the library during study hall must obtain a signed pass from the librarian before 7:15 AM the day of their assigned study hall. There are a limited number of study hall passes available and students should plan ahead if their homework requires them to use the library's collection during their assigned study hall. Last minute pass requests will not be honored, and please understand that the librarian can only issue passes from **study hall** and not from academic classes.

LCHS FRESHMAN 2018-2019 COURSE SELECTION GRID

D = Dual Credit Course * Fine Arts **S** - Semester Course

R-Required **H** - Honors **AP**- Advanced Placement Course

12/4/2017

CORE COURSES

ENGLISH - Required Subject		
English 9		
English 9 with Lab		
English 9 Honors	H	
English as a New Language		

MATHEMATICS - Required Subject		
Algebra I		
Algebra I with Lab		
Geometry Honors	H	
Algebra II Honors	H	

SCIENCE - Required Subject		
Biology		
Biology Honors (Pre-AP Biology)	H	

SOCIAL STUDIES - Required Subject		
World History		
AP Human Geography/Geo Hist World	AP	

WORLD LANGUAGES		
French I		
German I		
Spanish I		

PHYSICAL EDUCATION		
Secondary Phy Ed I/II-Aquatic Fit(s)	S	R
Secondary Phy Ed I/II-gym (s)	S	R
Swimming for Fitness		

ARTS

ART		
Introduction to 2-D Art		*
Introduction to 3-D Art		*
Ceramics I (s)	S	*
Ceramics II (s)	S	*

COMMUNICATIVE ARTS		
Theater Arts		*
Theater Production Management		*
Journalism: Publication Design	S	
Journalism: Writing	S	
Photography		*

MUSIC		
Junior Treble Choir		*
Varsity Choir		*
Beginning Concert Band		*
Concert Band		*
Instrumental Ensemble I	S	*
Instrumental Ensemble II	S	*
Electronic Music	S	*
Music Theory I	S	*
Music History/Appreciation	S	*
Hand Bells I		*

CAREER AND TECHNICAL EDUCATION

BUSINESS		
Introduction to Business		
Introduction to Accounting		
Digital Apps and Responsibility I	S	D
Digital Apps and Responsibility II	S	
Principles of Marketing	S	D
Sports & Entertainment Marketing		
Preparing for College & Careers (s)	S	
Computer Science I		D
Computer Science II		D
AP Principles of Computer Science	AP	
AP Computer Science A	AP	

FAMILY & CONSUMER SCIENCES		
Nutrition and Wellness I	S	
Nutrition and Wellness II	S	
Human Dev. & Family Wellness	S	
Housing & Interior Design Careers	S	*
Child Development & Parenting	S	
Interpersonal Relationships	S	

ENGINEERING TECHNOLOGY		
Intro to Engineering Design PLTW		

TECHNICAL EDUCATION		
Intro to Communications/Graphics		
Intro to Manufacturing		
Transportation Processes		

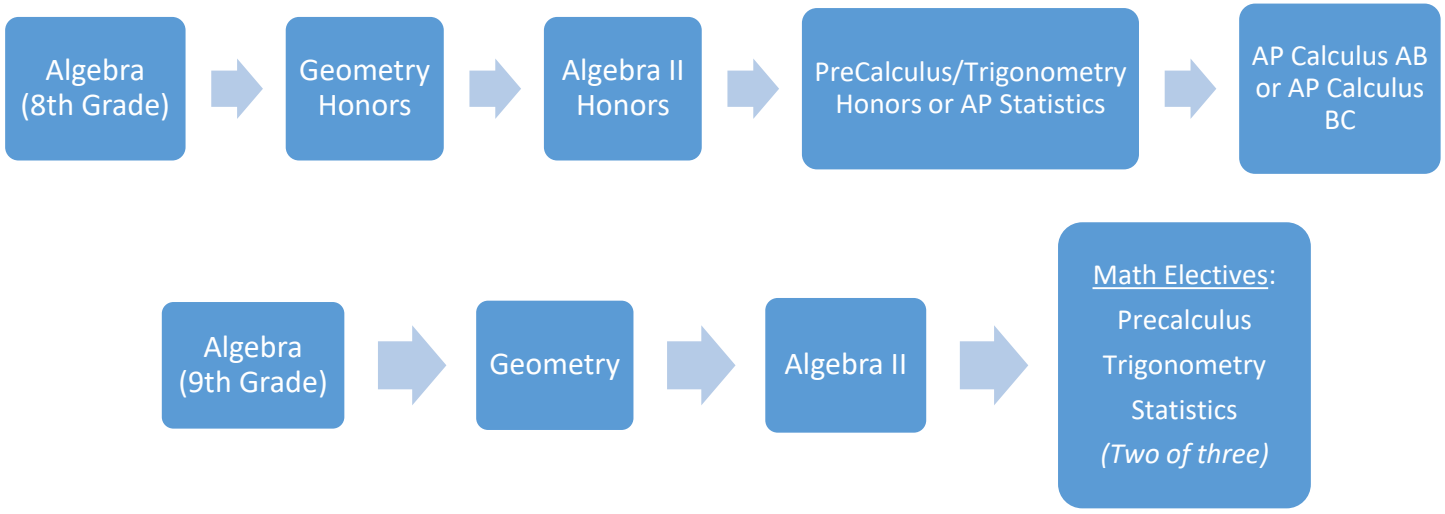
MISCELLANEOUS		
Study Hall (no credit)		

COURSE DESCRIPTIONS

Please keep in mind that these courses are subject to change based on funding, participation of students and teacher licensing.

MATHEMATICS

MATH *Course Sequencing*



Algebra I (M25200)

2 semesters, 2 credits

This class is the foundation course for the development of algebraic skills and concepts necessary to succeed in advanced courses. This course covers computing with real numbers, solving first and second degree equations, factoring, graphing, and solving systems of equations. This course provides for the use of algebraic skills in a wide range of problem solving situations.

Geometry Honors (M2532H)

2 semesters, 2 credits

***Recommended*: Grade of A or B in Algebra I**

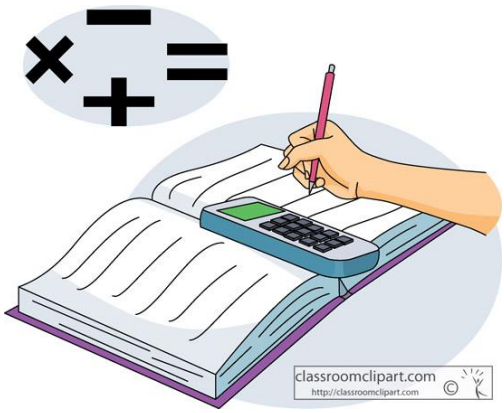
Geometry Honors will provide students with experiences that deepen the understanding of geometric shapes and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions will be stressed. Properties and relationships of lines, angles, planes, congruent and similar triangles, trigonometric ratios, polygons, and circles will be explored. An in-depth understanding of proof and logic will be developed.

Algebra II Honors (M2522H)

2 semesters, 2 credits

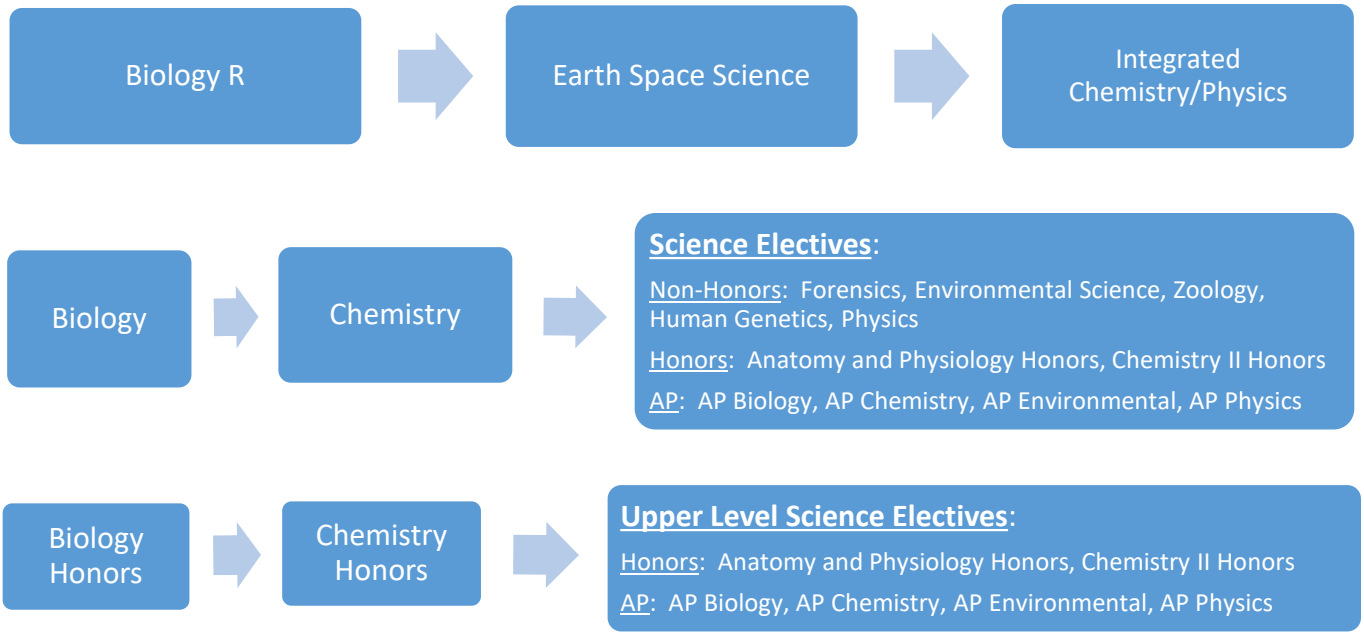
***Recommended*: Geometry Honors or Geometry with teacher recommendation**

This course is for college-bound students who can learn at a faster pace. The course accomplishes the objectives of Algebra II and also includes the study of parabolas, greatest integer functions, absolute value functions, and polynomial functions. An introduction to determinants, logarithms and exponential functions, probability, permutations, combinations, and series and sequences is included. In certain situations, this course may be taken concurrently with Geometry Honors. Classroom TI83 graphing calculators are used.



SCIENCE

SCIENCE *Course Sequencing*



Biology I (S30240)

2 semesters, 2 credits

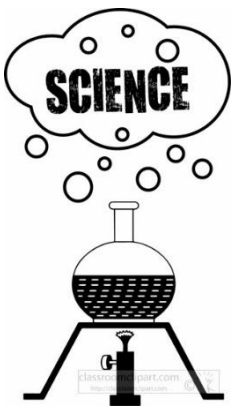
Biology I is a required Core 40 science course for all Indiana students. The course will explore topics in biochemistry (elements and compounds as they relate to living organisms), cell structure, developmental biology, organism structure and system regulation, genetics, ecology and evolution. Course activities include lecture, lab activities, video presentations, demonstrations and student projects. Students will be required to complete the Core 40 test as prescribed by the state of Indiana as part of the assessment activities.

Biology I Honors (Pre-AP Biology) (S3024H)

2 semesters, 2 credits

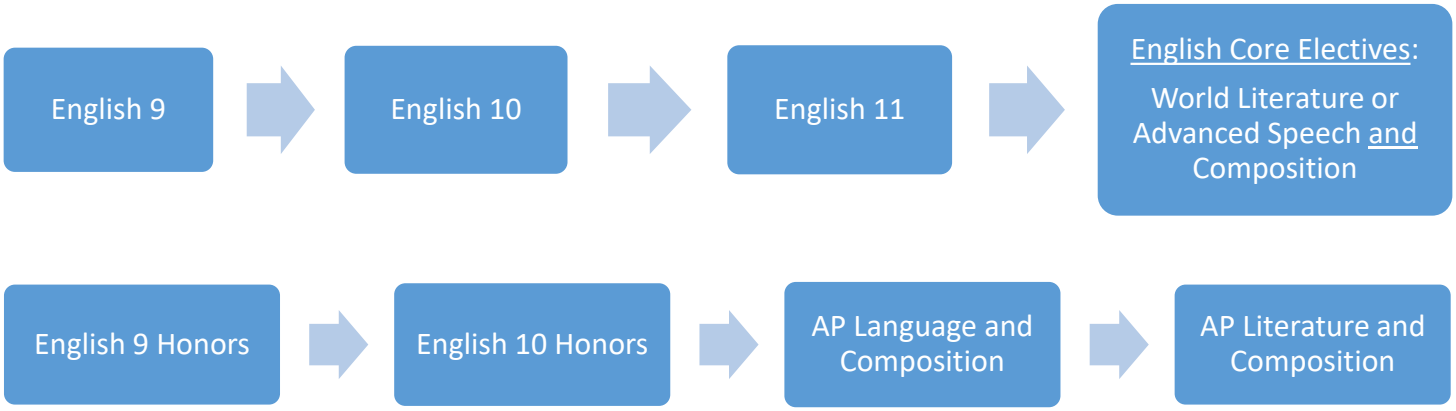
***Recommended*: Grade of A or B in Adv. Science 8**

Biology Honors functions as a Pre-AP Biology course in life sciences and is designed to help prepare students to take AP Biology. It is recommended for those who want a more challenging and in depth course than would be offered in Biology I. The course will explore topics in biochemistry (elements and compounds as they relate to living organisms), cell structure, developmental biology, organism structure and system regulation, genetics, ecology and evolution. In addition, there is an in-depth study of selected biological topics, with an emphasis on the molecular aspects of biology throughout the course. Course activities include lecture, inquiry-based lab activities, video presentations, demonstrations and student projects. Students will be required to complete the Core 40 test as prescribed by the state of Indiana as part of the assessment activities.



ENGLISH

ENGLISH *Course Sequencing*



English 9 (E10020)

2 semesters, 2 credits

Grammar, composition, literature, and vocabulary are integrated into a one-year college prep program. Grammar focuses on the grammar and mechanics of writing. Composition involves the writing process. Various types of writing are taught. The literature component has textbook selections, as well as longer works. Vocabulary is taught both as part of the reading selections and as a separate entity. Students write and deliver grade-appropriate oral and multimedia presentations.

English 9 Honors (E1002H)

2 semesters, 2 credits

English 9 Honors is an accelerated curriculum. It involves a more in-depth study of various units than the general curriculum. Grammar study focuses on the grammar and mechanics of writing. Composition involves the writing process. Various types of writing are taught. A genre approach is used for literature and longer works, as well as poetry, nonfiction, informational text and short stories, are read. Vocabulary is taught both as part of the reading selections and as a separate entity. Students write and deliver grade-appropriate oral and multimedia presentations. Required Summer Reading: *A Raisin in the Sun*, Lorraine Hansberry *and The Road*, Cormac McCarthy

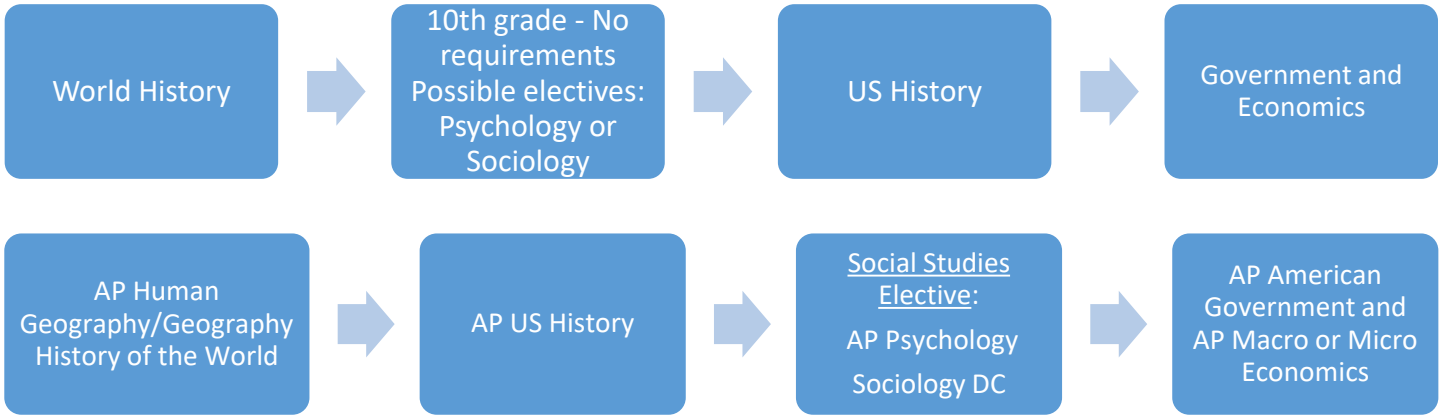
English as a New Language (E10120)

2 semesters, 2 credits

This course is designed for students who have been in the U.S. fewer than four years. English as a New Language (ENL) provides ENL students with instruction in English to improve their proficiency in listening, speaking, reading, and writing. Emphasis is placed on helping students function within the regular school setting and within an English-speaking society. Students are placed in this class by recommendation only.

SOCIAL STUDIES

SOCIAL STUDIES *Course Sequencing*

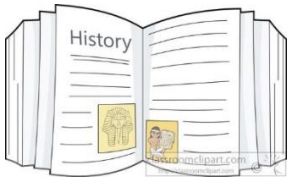


AP Human Geography/Geography History of the World (H15720/H15700)

2 semesters, 4 credits
***Recommended*: B in English**
Advanced Placement Human Geography/Geography & History of the World focuses on the distribution, processes, and effects of human populations on the planet. The course is designed to prepare students for the AP exam and thus focuses on developing their reading, writing, and critical thinking abilities at a college level. Students are expected to engage with this content through the broad themes of physical geography, population, migration, cultural patterns and processes, political geography, economic development, industry, agriculture, and urban geography. Throughout the course of the school year, students will also be covering topics at a basic geography level to expand their knowledge of AP Human Geography. Students taking this course will have the opportunity to earn 4 credits (2 credits for AP Human Geography and 2 for Geography/History of the World).

World History (H15480)

2 semesters, 2 credits
While historical events are unique, they often are driven by similar, repeated forces. In learning the history of our world, this class will focus on eight themes: power and authority, religious and ethical systems, revolution, interactions with environment, economics, cultural interaction, empire building, and science and technology. This course is recommended to be taken before AP U.S. History. Students will be asked to analyze primary sources and to write essays displaying their knowledge and comprehension of the materials discussed.



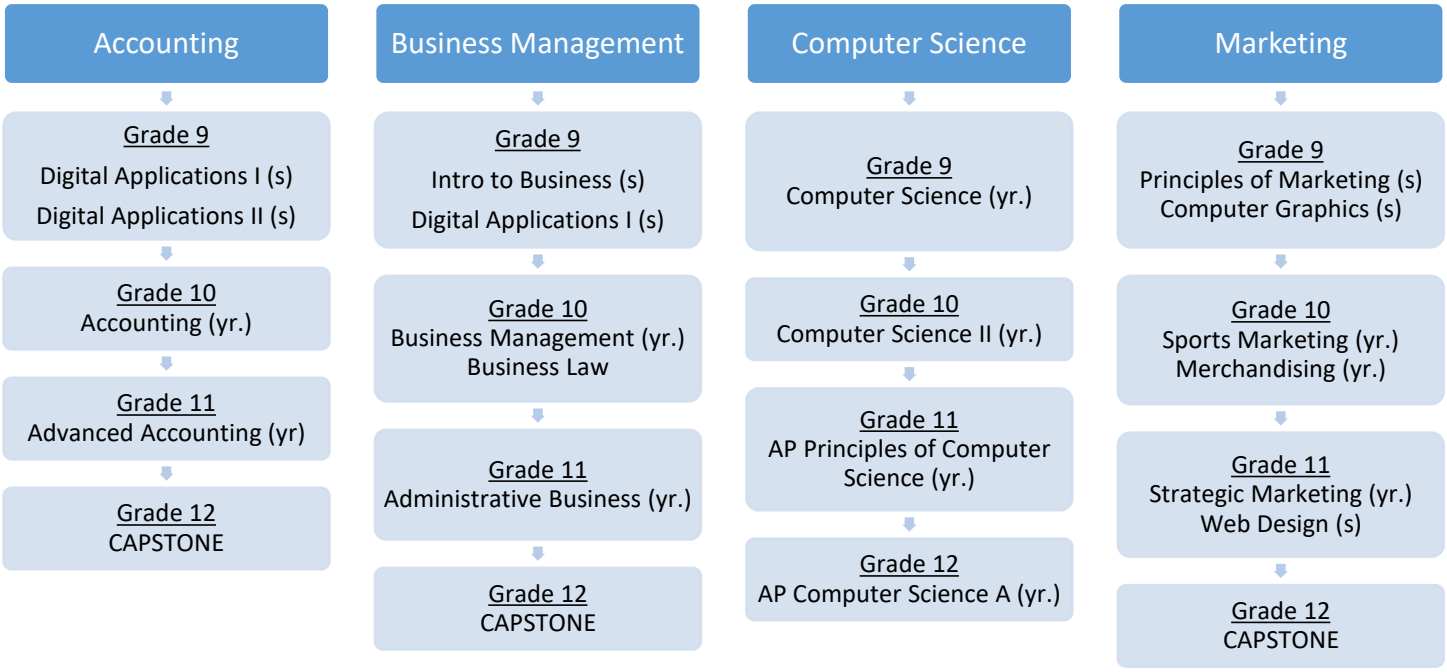
WORLD LANGUAGES

Level 1 World Languages
French I (F20200), German I (F20400), Spanish I (F21200)

2 semesters, 2 credits
Recommended Prerequisite: C or better in previous English course
Level 1 World Language courses are based on Indiana's Academic Standards for World Languages. They introduce students to effective strategies for beginning language learning and to various aspects of the target language culture. These courses encourage interpersonal communication through speaking and writing, and emphasize the development of reading and listening comprehension skills. Additionally, students will examine the practices, products, and perspectives of the target culture. These courses further emphasize making connections across content areas and the application of understanding the target language and culture outside of the classroom.

BUSINESS

Grade 9: Career Exploration PtE



Dual Credit: Principles of Business Management, Administrative Office Management, Digital Applications and Responsibility, Principles of Marketing, Strategic Marketing, Business Law and Ethics, Computer Science I, Computer Science II, and AP Computer Science A

**All Juniors will take Personal Financial Responsibility (1 semester-required for graduation)

AP Computer Science A (B45700)

2 semesters, 2 credits
Quantitative Reasoning Course
***Recommended*: ICT I AND Computer Programming I OR Computer Programming II**

Computer Science A, Advanced Placement (Java Programming) is a full-year course designed to provide students with the content established by the College Board. Topics include: object-oriented program design, program implementation, program analysis, standard data structures, standard algorithms, and computing in context. Computer Science A emphasizes object-oriented programming methodology with a concentration on problem solving and algorithm development. Juniors and seniors may be eligible to earn three college credits by taking this course.

**The Business Department offers students the opportunity to join and be certified in the IT (Information Technology) Academy. The IT Academy is an Indiana initiative to encourage students to develop proficiencies in the IT area. The courses listed with IT Academy certification represent requirements for the two areas: IT: Interactive Media and IT: Programming and Software Development. Students granted certifications are recognized at Senior Honors Night. See your counselor and/or the Business Department Chair for more information.

AP Computer Science Principles (B45750)

2 credits, 2 semesters

AP Computer Science Principles introduces students to the foundational concepts of computer science and challenges them to explore how computing and technology can impact the world. With a unique focus on creative problem solving and real-world applications, AP Computer Science Principles prepares students for college and careers.

Computer Science I (B48010)

2 semesters, 2 credits
Dual Credit: CINS 137 Ivy Tech
Quantitative Reasoning Course
***Recommended*: Algebra I**

Computer Programming I (Visual Basic) is a full-year course designed to provide students with a comprehensive hands-on experience in graphically designing and coding computer programs using the Visual Basic programming language and Visual Studio software. Computer Programming I will cover fundamental concepts of programming through explanations and effects of commands, and hands-on utilization of lab equipment to product correct output. This course introduces the structured techniques necessary for efficient solution of business-related computer programming logic problems and coding solutions into a high-level language, and includes program flowcharting, pseudo coding, and hierarchy charts as a means of solving these problems. The course covers creating file layouts, print charts, program narratives, user documentation, and system flowcharts for business problems, and reviews algorithm development, flowcharting, input/output techniques, looping, modules, selection structures, file handling, and control breaks. It also offers students an opportunity to apply skills in a laboratory environment. Visual Basic is the only (computer) language being examined and utilized. Demonstrations of business problems and solutions techniques will be reviewed. This course is designed for students who love computers, math, or visually designing computer programs or games. As a capstone project, students will create,

design, and code a game using VB controls, Visual Basic code, and the concepts learned in the course. **IT Academy Certification

Computer Science II (B52360)

2 semesters, 2 credits
Dual Credit: CINS 121 Ivy Tech
Quantitative Reasoning Course
***Recommended*: Algebra I**
Computer Programming II (C++) is a full-year course designed to provide students with introductory experience of programming logic and the C++ programming language using Visual Studio software. Topics include data types, control structures, functions, arrays, I/O streams, classes, objects, and much more. Computer Programming II explores and builds skills in C++ and Java. The study of C++ provides an understanding of the fundamentals of procedural program development using structured, modular concepts, and emphasizes logical program design involving user-defined functions and standard structure elements. Discussions will include the role of data types, variables, structures, addressable memory locations, arrays and pointers. Data file access methods are also presented. The development of Java programming skills will provide a basic understanding of the fundamental concepts with an emphasis on logical program design using a modular approach which involves task oriented program functions. Java allows the design of an Internet user interface. The application is built by selecting forms and controls, assigning properties and writing code. As a capstone project, students will create, design, and code a text-based game using C++ code and the concepts learned in the course. This course is offered to students who are deeply involved with computers or who intend to study engineering, computer science, mathematics, medicine, business, or any computer-related field in college. ** IT Academy Certification

Digital Applications and Responsibility (B45280)

1 semester, 1 credit
Dual Credit: CINS 101 Ivy Tech
Digital Applications and Responsibility introduces students to the physical components and operation of computers. Technology is used to build students decision-making and problem-solving skills. Students should be given the opportunity to seek an industry-recognized digital literacy certification. Knowledge of hardware, software, and hands-on training using Microsoft Office Professional Edition will lay the foundation for success in college and future careers.

Digital Applications and Responsibility II (ICT-2) (B45282)

1 semester, 1 credit
***Recommended*: ICT-1**
Expansion of MS Office Professional software training provides students with the knowledge and skills necessary for success in college and the business world. Integration of application software, group collaboration, decision-making and problem solving activities helps students gain confidence in using technology. The benefits of the skills learned are lifelong.

Introduction to Accounting (B45240)

2 semesters, 2 credits
Students learn skills that can be used to obtain entry-level jobs or to start one's own business, such as tax preparation, record keeping, bank reconciliation, computer data entry, and payroll preparation. The course can also be used as a stepping stone toward securing a career in accounting, investing, or any major in business. Any student planning to major in business in college is highly recommended to complete at least one year of accounting. Accounting software such as QuickBooks and Peachtree are also learned.

Introduction to Business (B45180)

2 semesters, 2 credits
***Recommended*: ICT**
Business Foundations is an introductory business course that examines the American business system in relation to the economic society. It is an introductory business course that studies economics, entrepreneurship, business ownership, organization principles and problems, management, marketing, control facilities, law, risk management, banking, personal finance, administration, careers in business and development practices of American business enterprises. It is designed to get the student started in the world of business, whether as a consumer, an employee, or a citizen. The application of business etiquette and ethics are also included. The course covers business management, entrepreneurship, marketing fundamentals, and business ethics and law. The course further develops business vocabulary and provides an overview of business and the role that business plays in economic, social, and political environments.

Preparing for College and Careers (B53940)

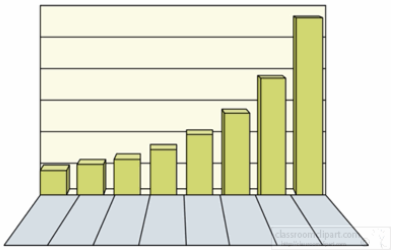
2 semesters, 1 credit - 9th grade
The premise is that if you like what you do for a living, it doesn't seem much like work. In this class, students will be exposed to career options they never knew were available. They will hear from successful professional people what it takes to rise to the top of their career field. Students will explore their interests, abilities, and values to determine potential career paths. In addition to identifying and investigating career paths, students will learn how to manage their jobs once they've begun work. Students will become knowledgeable consumers of news media to understand how economic, financial, political, national, and world events may impact their careers and career goals. Students will also develop learning strategies and acquire life-long success skills (including time management, prioritization, and problem solving).

Principles of Marketing (B59140)

1 semester, 1 credit
Dual Credit: MKTG 101 Ivy Tech
Want to be a better consumer and learn the fundamentals of marketing? In Principles of Marketing, you can do both! The areas of product development, branding, merchandising, and consumer satisfaction are integral parts of the curriculum. Student activities include: package design, logo creation, sampling, multimedia advertisement design and creation, and improved consumer awareness.

Sports and Entertainment Marketing (B59840)

2 semesters, 2 credits
Sports and Entertainment Marketing is a marketing course providing students with the opportunity to apply marketing principles in the fields of sports, recreation, and entertainment. Students will produce and market activities for athletic and entertainment programs at the high school and within the private sector.



FINE ARTS

Fine Arts CORE 40 Credit

Any course from the following list will satisfy the Fine Arts Course requirement for the Core 40 Diploma.

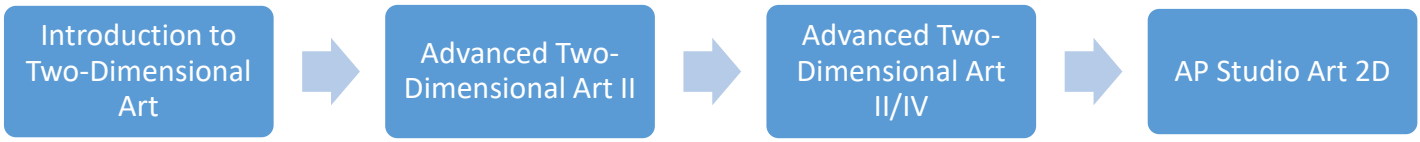
Introduction to 2-D Art
Art II
Art III/IV
Intro to 3-D Art
Advanced 3-D Art
Ceramics I
Ceramics II
Advanced Ceramics
AP Studio Art: 2-D
AP Studio Art: 3-D

Student Media
Student Media Honors
Theatre Arts
Theatre Arts II
Theatre Production Mgmt.
Photography
Housing & Interior Design
Junior Treble Choir
Senior Treble Choir
Varsity Choir

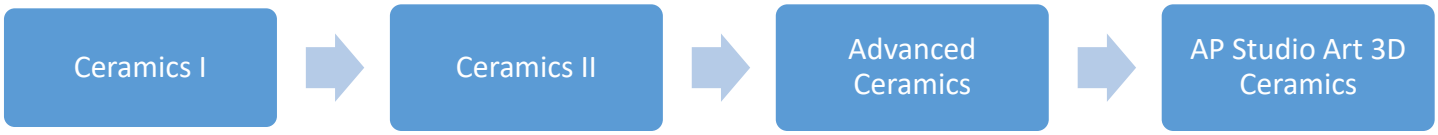
Concert Choir
Beginning Concert Band
Symphonic Band
Concert Band
Advanced Concert Band
Wind Ensemble
Instrumental Ensemble I
Instrumental Ensemble II
Jazz I
Jazz II

Electronic Music
Music Theory
AP Music Theory
Music History/Appreciation
Hand Bells I
Hand Bells II
Introduction to Guitar

TWO-DIMENSIONAL AP *Course Sequencing*



THREE-DIMENSIONAL AP *Course Sequencing*



Ceramics I (A40401)

1 semester, 1 credit
This course is an introduction to clay and its properties. Students learn the fundamentals of pinch, coil, and soft slab hand building techniques. Emphasis will be placed on proper construction, surface design, and glaze options. Students will evaluate and self-critique their own work. Counts as a Fine Art credit for the AHD.

Ceramics II (A40402)

1 semester, 1 credit
***Recommended*: Ceramics I**
This course further explores hand building with an introduction to sculpture, stiff slab, and advanced decorating. Students will also learn the fundamentals of wheel throwing with stress on proper techniques and skill for success. Emphasis is placed on design aesthetics, more advanced glazed and staining techniques, visual problem solving, art criticism, and self-critique. Counts as a Fine Art credit for the AHD.

Introduction to Three-Dimensional Art (A40020)

2 semesters, 2 credits
Students taking Introduction to Three-Dimensional Art engage in learning experiences that encompass the study of historical and current trends in art. This information can then be incorporated into their own art. Course projects include working in the following mediums: sand, clay, wood, fiber, plaster, plastic, glass, glass-fusing, glass slumping, and jewelry making. Counts as a Fine Art credit for the AHD.

Introduction to Two-Dimensional Art (A40000)

2 semesters, 2 credits
Art I emphasizes drawing, color theory, and the principles and elements of art. Areas covered are: drawing, painting, printmaking, design, art appreciation, art history, careers, and current trends in art. Students will examine the significance and meaning of their own art, as well as the art done by famous artists. Counts as a Fine Art credit for the AHD.

COMMUNICATIVE ARTS

Journalism: Publication Design (T1080P)

1 semester, 1 credit

This course will look at fundamental concepts of publication design. Students will learn to communicate visual messages clearly in various media. Basic grid design, typography, color theory and effective use of photography will be discussed. Students will use the Adobe Creative Suite to create magazine spreads, advertisements, news sites and other visual presentations.

Journalism: Writing (T1080W)

1 semester, 1 credit

This course will concentrate on the history of journalism, the basics of news elements, newswriting, journalism law and ethics. Students will learn the importance of the media in our society and the First Amendment, as well as knowing their limits to those rights. Students will also master the basic fundamentals of news writing, feature story and opinion writing.

Photography (T40620)

1 semester, 1 credit

***Recommended*: Must own a digital camera and memory card**

Digital Photography is an introductory course of photojournalism, specifically the type of photography that meets the requirements for publication. People, still life, action, portraits, photo stories as well as digital technology will be discussed and put into practice. Students will be responsible for their own transportation when shooting assignments and also for the purchase of supplies for personal use. Counts as a Fine Art credit for the AHD.

Theatre Arts (T42420)

2 semesters, 2 credits

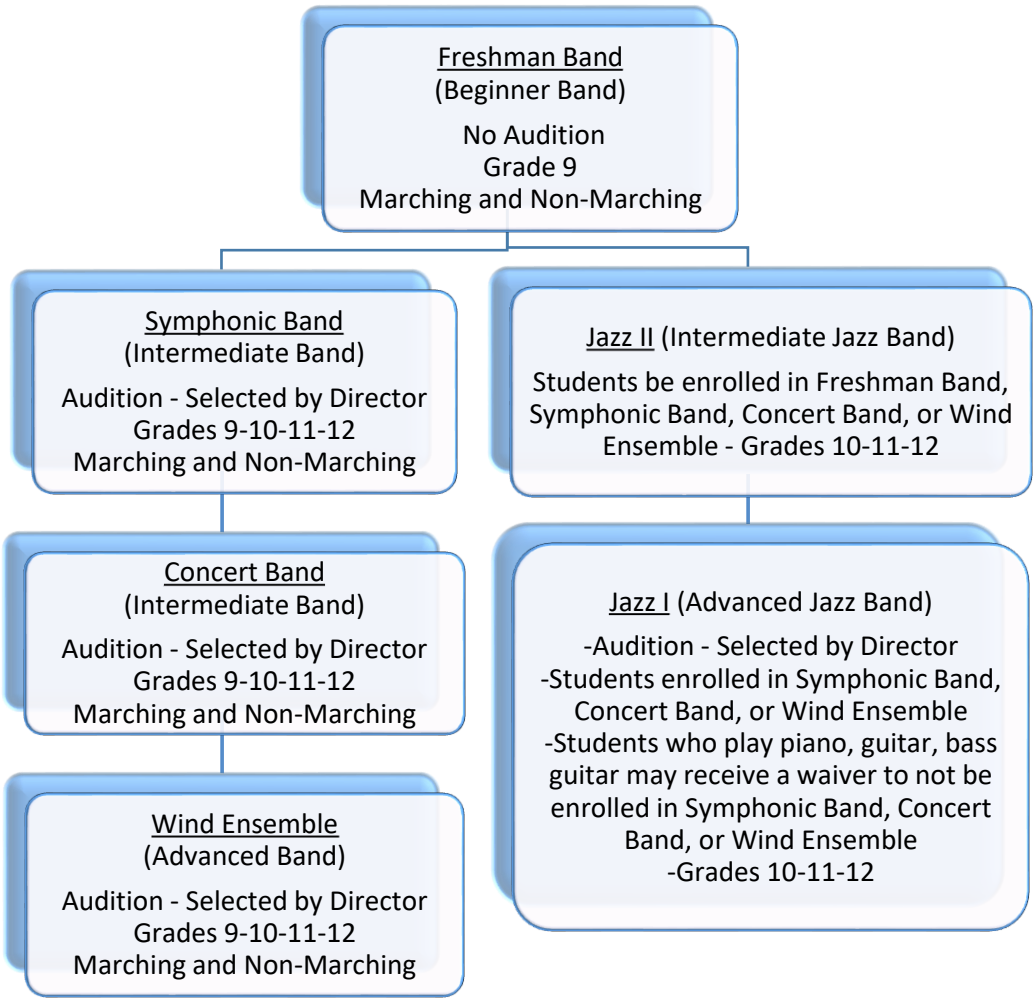
Theatre Arts I is a year-long course for freshmen, sophomores, juniors and seniors. Theater Arts I introduces students to the basics of theater. Students do various activities and exercises that introduce and familiarize them with all aspects of theater. Using the knowledge gained through the study of theatre, students focus on solving problems faced by actors, directors, and technicians. They also refine their abilities to collaborate on performances, and they learn to constructively evaluate their own and others' efforts. Counts as a Fine Art credit for the AHD.

Theatre Production Management (T42480)

2 semesters, 2 credits

Students enrolled in Theatre Production Management take on the responsibilities associated with the technical rehearsal and presentation of a theater production. Students learn sound, lighting, and rigging equipment; safety and security of the facility; front of house duties; and back of house duties. Students will perform roles in a production such as lighting, spotlight, soundboard, costumes, props, and curtain for Advanced Theatre class productions. In addition, students will be staff for the auditorium director on productions and events. Therefore, some out of class auditorium events will be required to work in exchange for pay. Counts as a Fine Art credit for the AHD.

MUSIC (FINE ARTS)



Percussion Ensemble (Instrumental Ensemble)
-This class is for all percussion students (play drums)
-Marching and Non-Marching
-Grades 9-10-11-12

Beginning Concert Band (Marching U41660)
(Non-Marching U4166N)

(Freshman Concert Band)
2 semesters, 2 credits Grade: 9
Recommended: Complete formal instruction at the middle school level.
This developmental course is open to all freshmen students who play a band instrument at a beginning to intermediate level. This is a co-curricular course that involves participation during school and outside school. Emphasis is placed on tone, technique development and sight reading. Participation in the ISSMA Solo/Ensemble contest is encouraged. The band performs several times during the year. Private lessons are highly encouraged. Counts as a Fine Art credit for the AHD.

Intermediate Concert Band (Marching U41600)
(Non-Marching U4160N)

(Symphonic Band)
2 semesters, 2 credits Grades: 10-12
Recommended: Completion of freshman concert band.
This concert band class is open to all students who play a band instrument at an intermediate proficiency or better. This is a co-curricular course that involves participation during school and outside school. Emphasis is placed on tone, technique development and sight reading. Participation in the ISSMA Solo/Ensemble contest is encouraged. The band performs several times during the year. Private lessons are highly encouraged. Counts as a Fine Art credit for the AHD.

Intermediate Concert Band (Marching U41680)
(Non-Marching U4168N)

(Concert Band)
2 semesters, 2 credits Grades: 10-12
Recommended: Selection by audition or director permission
This concert band class is available by audition to students who play a band instrument at an upper intermediate to advanced level. This is a co-curricular course that involves participation during school and outside school. Emphasis is placed on tone, technique development and sight reading. Advanced performance techniques are emphasized. Participation in the ISSMA Solo/Ensemble contest is encouraged. Serious band literature is selected from a variety of periods in music history. Private lessons are highly encouraged. Counts as a Fine Art credit for the AHD.

Advanced Concert Band (Marching U41700)

(Non-Marching U4170N)

(Wind Ensemble)

2 semesters, 2 credits Grades: 10-12

Recommended: Selection by audition or director permission

This advanced band is considered the top concert band at Lake Central High School. The band represents Lake Central High School in public performances and competitions. Advanced performance techniques are emphasized. This is a co-curricular course that involves participation during school and outside school. Serious band literature is selected from a variety of periods of music history. Private lessons are highly encouraged. Counts as a Fine Art credit for the AHD.

Instrumental Percussion (Marching U41621)

(Non-Marching U4162N)

(Percussion Ensemble I)

2 semester, 2 credits Grades: 9-12

Recommended: Complete formal instruction at the middle school level.

The percussion studies class is comprised of students who have completed middle school band as a percussionist or have successfully completed previous years of percussion studies. Students meet as a separate class to learn percussion techniques and reading skills for a wide variety of percussion instruments and literature. All students will perform with one of concert bands for all concerts and contests. There will be several required performances throughout the year. Counts as a Fine Art credit for the AHD.

Electronic Music/Music Production (U42020)

1 semester, 1 credit Grades: 9-12

Students taking this course are provided with a wide variety of activities and experiences to develop skills in the use of electronic media and to incorporate current technology. Instruction is designed so that students are enabled to connect, examine, imagine, define, try, extend, refine, and integrate music study into other subject areas. Students will create music on a Synthesizer/Instrument (Guitar or Bass) and it is automatically entered into the computer where students can manipulate sound and/or create their own compositions. This class may be taken more than once. Counts as a Fine Art credit for the AHD.

Music Theory I (U42080)

1 semester, 1 credit Grades: 9 -12

This semester class is open to any student in the high school wanting to expand their knowledge of music construction and composition. The materials covered will consist of the following: knowledge of the names of the notes, identification of notes to a piano keyboard, all major and minor key signatures and scales, time signatures, note values, intervals, and understanding of rhythmic figures, aural association to pitch, and the ability to identify the construction of music. Counts as a Fine Art credit for the AHD.

Music History/Appreciation (U42060)

1 semester, 1 credit

Students taking this course will receive instruction designed to explore music and major musical style periods through understanding music in relation to both Western and non-Western history and culture. Activities include, but are not limited to, 1) listening to, analyzing, and describing music, 2) evaluating music and music performances, and 3) understanding relationships between music and the other arts as well as disciplines outside of the arts. Counts as a Fine Art credit for the AHD.

Hand Bells I: Instrumental Ensemble (U41624)

2 semesters, 2 credits

***Recommended*: Some note reading ability**

This beginning to intermediate level choir consists of 15-30 players chosen by audition. Students will study music reading, bell literature, and techniques. Members must attend all choir concerts. Counts as a Fine Art credit for the AHD.

Junior Treble: Beginning Chorus (U41820)

2 semesters, 2 credits

This is the beginning soprano and alto choral ensemble. Focus will be on learning the fundamentals of singing and reading music. Sopranos and altos entering choir for the first time should be placed here (unless the director has emailed their guidance counselor saying differently). Counts as a Fine Art credit for the AHD.

Varsity Choir: Intermediate Chorus (U41860)

2 semesters, 2 credits

This is the beginning mixed choral ensemble. Focus will be on learning the fundamentals of singing and reading music. Basses and tenors entering choir for the first time should be placed here (unless the director has emailed their guidance counselor saying differently). Counts as a Fine Art credit for the AHD.

FAMILY AND CONSUMER SCIENCES (FACS)

Child Development and Parenting (C53620)

1 semester, 1 credit

This course will help the student understand the challenges and responsibilities of guiding the physical, social, emotional, and intellectual development of children. Prenatal development and care as well as the development and care of infants and toddlers will be emphasized. We will discuss nutrition, health, safety, discipline, and guidance needed for the child at each developmental stage. Information concerning children with special needs, childcare services, child protection laws and careers in childcare are also included. Student's social security number is required to receive vocational funding for this class.

Housing and Interior Design (C53500)

1 semester, 1 credit

This course will emphasize the application of art principles in planning and designing aesthetically pleasing living environments for individuals and families. Students will learn to identify architecture styles, decorating periods, and color schemes. Other topics that may be addressed are the elements and principles of design as they apply to interior decorating and furnishing an apartment. Student's social security number is required to receive vocational funding for this class. Counts as a Fine Art credit for the AHD.

Human Development & Family Wellness (C53660)

1 semester, 1 credit

This course provides the opportunity to gain the knowledge and skills of standard first aid and everyday health practices, including simple home nursing techniques. Rescue breathing, choking, and CPR will be studied. Chronic diseases such as cancer, diabetes, and heart diseases are also studied. Student's social security number is required to receive vocational funding for this class.

Interpersonal Relationships (C53640)

1 semester, 1 credit

Students will explore the basic concepts of self-understanding and responsibility for behavior with the focus on the importance of a positive self-image in developing and maintaining relationships. Students will also study the importance of setting goals, working within value systems, achieving and changing personal needs, and communication skills that assist all to achieve mature interpersonal relations. Student's social security number is required to receive vocational funding for this class.

Nutrition & Wellness I (C53421)

1 semester, 1 credit

This is an introductory foods course which emphasizes nutrition, recipe management, and basic skill development in food preparation techniques. Each unit of study culminates in a related lab experience, such as quick breads, fruits, vegetables, eggs, and cookies. Other areas of study are kitchen safety and sanitation. Student's social security number is required to receive vocational funding for this class.

Nutrition & Wellness II (C53422)

1 semester, 1 credit

***Recommended*: Nutrition & Wellness I**

This class builds on the basic skills learned in Nutrition and Wellness I with more advanced culinary skills added. Units on pastry, yeast breads, meats, food labeling, and meal planning and purchasing are studied. Each unit culminates with a lab experience reinforcing the key elements of the unit. Student's social security number is required to receive vocational funding for this class.

PHYSICAL EDUCATION

Secondary Physical Education I/II (Pool/Gym) (P35440/P35420)

2 semesters, 2 credits

GRADUATION REQUIREMENT

Emphasis is on health-related fitness and on developing the skills and habits necessary for a lifetime of activity. This program includes skill development and the application of rules and strategies of complex difficulty in at least three of the following different movement forms: health-related fitness activities (cardio respiratory endurance, muscular strength and endurance, flexibility, and body composition), aerobic exercise, team sports, individual and dual sports, gymnastics, outdoor pursuits, self-defense, aquatics, dance, and recreational games. Ongoing assessment includes both written and performance-based skill evaluations.

Swimming for Fitness (P3560S)

1 semester, 1 credit

Emphasis is on health-related physical fitness and on maintaining the skills/habits necessary for a lifetime of activity through swimming. This program will include emphasis on cardio-respiratory endurance, muscle endurance, body composition, flexibility, and muscle strength. Students will participate in a variety of individual and team activities.

ENGINEERING TECHNOLOGY EDUCATION

Introduction to Engineering Design: Project Lead the Way (V48120)

2 semesters, 2 credits

Introduction to Engineering Design (IED) is a high school level course that is appropriate for 9th or 10th grade students who are interested in design and engineering or another technical career. The major focus of the IED course is to expose students to a design process, professional communication and collaboration methods, design ethics, and technical documentation. IED gives students the opportunity to develop skills in research and analysis. Teamwork, technical writing, engineering graphics, and problem solving through activity-, project-, and problem-based (APPB) learning are emphasized. Used in combination with a teaming approach, APPB-learning challenges students to continually hone their interpersonal skills and creative abilities while applying math, science, and technology knowledge learned in other courses to solve engineering design problems and communicate their solutions. IED also allows students to develop strategies to enable and direct their own learning, an ultimate goal of education. No previous knowledge is assumed, but students should be concurrently enrolled in college preparatory mathematics and science courses in order to facilitate the use and understanding of appropriate math and science concepts necessary for the successful completion of IED coursework. In addition, students will use industry standard 3D solid modeling software to facilitate the design and documentation of their solutions to design problems and challenges. As the course progresses and the complexity of the design problems increase students will learn more advanced computer modeling skills as they become more independent in their learning, more professional in their collaboration and communication, and more experienced in problem solving.

CAREER TECHNOLOGY EDUCATION

Introduction to Communications & Graphics (V55500)

(Vocational Graphics I) (V62210)
2 semesters, 2 credits
This course trains qualified students for careers in the printing industry. Emphasis is placed on giving the students a thorough working knowledge and skills in many aspects of the printing industry rather than concentrating on one special area. Areas covered include: history, layout, composition, photograph stripping, plate making, presswork, and bindery. All major processes will be studied with emphasis on offset lithography. Additional topics studied include estimation, paper, links, line-staff relationships, costing, and half-tone photography.

Introduction to Manufacturing (V47840)

2 semesters, 2 credits
Introduction to Manufacturing is designed to give students a fundamental background of the different types of machines in the machine shop. This course provides the opportunity to learn the basic operations of the lathe as well as the milling machine, drill press, surface grinder, saws, and bench work. Emphasis is placed on precision measurement using micrometers, scales, and venire calipers. Students will machine required projects on the lathes and milling machines for the first part of the year. They will then have the chance to machine projects of their own choice. The Vocational Machine I program will give each student basic machining and manufacturing knowledge, blueprint reading, and shop safety knowledge which they will be able to use after completing the first year. Student's social security number is required to receive vocational funding for this class.

Introduction to Transportation (V47980)

2 semesters, 2 credits
Vocational Automotive Technology I is an introductory course for Automotive Technology. The student will cover each automotive system and the theory of each system. After the student understands how each system works, the student will perform different types of testing and repair work on the various automotive systems. The Vocational Automotive Technology I program will give each student basic auto skills which they will be able to use after completing the first year.

MISCELLANEOUS

Study Hall (10010)

2 semesters, 0 credits
Students may choose to take a study hall if they have completed all necessary coursework and are on track with their credits. This study hall should be used to work on homework or to study for tests/quizzes. Students receive no credit for taking a study hall.

Lake Central High School
Cluster: Architecture and Construction
Pathway: Drafting/Design
Concentration:Architectural Drafting

GRADE	SUBJECT	Required Courses for Core 40 (with Honors Diploma **)						Recommended Courses and Electives	
		English/ Language Arts	Math	Science	Social Studies	Electives	Electives	Electives	Electives
9	S1	English 9	Algebra I or Geometry	Biology	Geo/History of the World or World History	Health	PE-Gym if not taken during the summer	Digital Applications and Responsibility	Intro to Engineering Design
	S2						PE –Pool if not taken during the summer	Preparing for College and Careers	
10	S1	English 10	Geometry or Algebra II	Chemistry		**Fine Arts	3 years of 1 language or 2 years of 2 languages **World Language	Computer Science II	Principles of Engineering Design
	S2					**Fine Arts			
11	S1	English 11	Algebra II or Pre-Calculus	Physics	U.S. History	Personal Financial Responsibility	**World Language		Civil Engineering/Architecture
	S2					Housing and Interiors			
12	S1	English 12	Pre-Calculus or Calculus or Statistics		Government		**World Language		
	S2				Economics				

Six highlighted courses are required to complete concentration

Postsecondary Courses Aligned for Potential Dual Credit**

**See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

High School Course	Postsecondary Course
Computer Science II	CINS 121 Ivy Tech
Digital Applications and Responsibility	CINS 101 Ivy Tech

Lake Central High School
Cluster: Transportation
Pathway: Automotive Service
Concentration: Automotive Service Technology

GRADE	SUBJECT	Required Courses for Core 40 (with Honors Diploma **)						Recommended Courses and Electives	
		English/ Language Arts	Math	Science	Social Studies	Electives	Electives	Electives	Electives
9	S1	English 9	Algebra I	Biology	World History	Health	PE-Gym if not taken during the summer	Digital Applications and Responsibility	Introduction to Transportation
	S2						PE –Pool if not taken during the summer	Preparing for College and Careers	
10	S1	English 10	Geometry	Chemistry or Integrated Chemistry-Physics					Automotive Services Technology I
	S2							Interpersonal Relationships	
11	S1	English 11	Algebra II	3rd Core 40 Science	U.S. History	Personal Financial Responsibility			Automotive Services Technology II
	S2							Psychology	
12	S1	English 12	Math or Quantitative Reasoning		Government				Internship
	S2				Economics				

Six highlighted courses are required to complete concentration

Postsecondary Courses Aligned for Potential Dual Credit**

**See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

High School Course	Postsecondary Course
Automotive Technology	AUTC 101
Automotive Technology	AUTC 109
Automotive Technology	AUTC 113
Automotive Technology	AUTC 121

Lake Central High School

Cluster: Machine Technology - Manufacturing & Logistics
Pathway: Precision Machine Technology
Concentration: Machines

GRADE	SUBJECT	Required Courses for Core 40 (with Honors Diploma **)						Recommended Courses and Electives	
		English/ Language Arts	Math	Science	Social Studies	Electives	Electives	Electives	Electives
9	S1	English 9	Algebra I or Geometry	Integrated Chem/Physics or Chemistry or Physics	Geo/History of the World or World History	**Fine Arts	PE-Gym if not taken during the summer	Interpersonal Relations	
	S2					Preparing for College and Careers	PE –Pool if not taken during the summer	Human Development & Family Wellness	
10	S1	English 10	Geometry or Algebra II	Integrated Chem/Physics or Chemistry or Physics Biology	Introduction to Manufacturing (Precision Machine I)	**Fine Arts	3 years of 1 language or 2 years of 2 languages **World Language	Introduction to Business	
	S2					Personal Financial Responsibility			
11	S1	English 11	Algebra II or Pre-Calculus	Additional 2 credits from any other Core 40 Science	U.S. History	Precision Machine II	Precision Machine II	Precision Machine II	
	S2							Full Year Block	
12	S1	English 12	Pre-Calculus or Calculus or Statistics		Government	Precision Machine III	Precision Machine III	Precision Machine III	
	S2				Economics			Full Year Block	

Six highlighted courses are required to complete concentration

Postsecondary Courses Aligned for Potential Dual Credit**
**See individual Course Frameworks for alignment of high school course and postsecondary course objectives

High School Course	Postsecondary Course
Precision Machines I	INDT - 102 Ivy Tech
Precision Machine II	MTTC - 101 Ivy Tech
Precision Machine III	MTTC - 105/110 Ivy Tech

Lake Central High School

Cluster: STEM
Pathway: Engineering/Engineering Technology
Concentration: Engineering

GRADE	SUBJECT	Required Courses for Core 40 (with Honors Diploma **)						Recommended Courses and Electives	
		English/ Language Arts	Math	Science	Social Studies	Electives	Electives	Electives	Electives
9	S1	English 9	Algebra I or Geometry	Biology	Geo/History of the World or World History	Health	PE-Gym if not taken during the summer	Introduction to Engineering Design	College Prep Elective
	S2					Preparing for College and Careers	PE –Pool if not taken during the summer		College Prep Elective
10	S1	English 10	Geometry or Algebra II	Integrated Chem/Physics		**Fine Arts	3 years of 1 language or 2 years of 2 languages **World Language	Principles of Engineering	College Prep Elective
	S2					**Fine Arts			
11	S1	English 11	Algebra II or Pre-Calculus	Physics	U.S. History	Personal Financial Responsibility	**World Language	Computer Science II	AP Chemistry
	S2					Digital Applications and Responsibility			
12	S1	English 12	Pre-Calculus or Calculus or Statistics	AP Physics	Government	Chemistry Honors ACP I	**World Language	Civil Engineering Arch	
	S2				Economics	Chemistry II Honors			

Six highlighter courses are required to complete concentration

Postsecondary Courses Aligned for Potential Dual Credit**
**See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

High School Course	Postsecondary Course
Digital Applications and Responsibility	Introduction to Microcomputers
Computer Science II	Introduction to Software Development
Chemistry Honors ACP I	C101 and C121 - IUB

Lake Central High School

Cluster: STEM
Pathway: Technology
Concentration: Computer Science/Software Engineering

GRADE	SUBJECT	Required Courses for Core 40 (with Honors Diploma **)						Recommended Courses and Electives	
		English/ Language Arts	Math	Science	Social Studies	Electives	Electives	Electives	Electives
9	S1	English 9	Algebra I or Geometry	Biology	Geo/History of the World or World History	Health	PE-Gym if not taken during the summer	Computer Science I	
	S2					Preparing for College and Careers	PE –Pool if not taken during the summer		
10	S1	English 10	Geometry or Algebra II	Integrated Chem/Physics or Chemistry or Physics		**Fine Arts	3 years of 1 language or 2 years of 2 languages **World Language	Computer Science II	Digital Applications and Responsibility
	S2					**Fine Arts			Digital Applications and Responsibility
11	S1	English 11	Algebra II or Pre-Calculus	** Physics	U.S. History	Personal Financial Responsibility	**World Language	Principles of Computer Science AP	
	S2					Web Design			
12	S1	English 12	Pre-Calculus or Calculus or Statistics	Additional 2 credits from any other Core 40 Science	Government		**World Language	AP Computer Science	College Prep Elective
	S2				Economics				

Six highlighted courses are required to complete concentration

Postsecondary Courses Aligned for Potential Dual Credit**

**See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

High School Course	Postsecondary Course
Digital Applications and Responsibility	Introduction to Microcomputers
Computer Science I	Computing Logic
Computer Science II	Introduction to Software Development

Lake Central High School

Cluster: Business and Marketing
Pathway: Business Administration
Concentration: Accounting & Finance

GRADE	SUBJECT	Required Courses for Core 40 (with Honors Diploma **)						Recommended Courses and Electives	
		English/ Language Arts	Math	Science	Social Studies	Electives	Electives	Electives	Electives
9	S1	English 9	Algebra I or Geometry	Biology	Geo/History of the World or World History	Health	PE-Gym if not taken during the summer	Digital Applications and Responsibility	
	S2					Semester Elective	PE –Pool if not taken during the summer	Preparing for College and Careers	
10	S1	English 10	Geometry or Algebra II	Integrated Chem/Physics or Chemistry or Physics		** Fine Arts	3 years of 1 language or 2 years of 2 languages ** World Language	Intro to Business	Digital Application and Responsibility II
	S2					** Fine Arts			Principles of Marketing
11	S1	English 11	Algebra II or Pre-Calculus		U.S. History	Personal Financial Responsibility	** World Language	Intro to Accounting	Principles of Business Management
	S2					Business Law & Ethics			
12	S1	English 12	Pre-Calculus or Calculus or Statistics	Additional 2 credits from any other Core 40 Science	Government		** World Language	Advanced Accounting	Administrative and Office Management
	S2				Economics				

Six highlighted courses are required to complete concentration

Postsecondary Courses Aligned for Potential Dual Credit**

**See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

High School Course	Postsecondary Course
Advanced Accounting	Financial Concepts for Accounting
Digital Applications and Responsibility	Introduction to Microcomputers
Principles of Business Management	Introduction to Business
Administrative and Office Management	Principles of Management
Business Law and Ethics	Business Law

Lake Central High School

Cluster: Business & Marketing
Pathway: Business Administration
Concentration: Marketing Management
Focus: Sports & Entertainment Marketing

GRADE	SUBJECT	English/ Language Arts	Math	Science	Social Studies	Electives	Electives	Electives	Electives
9	S1	English 9	Algebra I or Geometry	Biology	Geo/History of the World or World History	Fine Arts	PE-Gym if not taken during the summer	Introduction to Business	(RESOURCE TIME)
	S2					Digital Applications & Responsibility	PE –Pool if not taken during the summer		Preparing for College and Careers
10	S1	English 10	Geometry or Algebra II	Chemistry	**Sociology	Fine Arts	3 years of 1 language or 2 years of 2 languages World Language	Principles of Business Management	Health
	S2				Psychology	Principles of Marketing			
11	S1	English 11	Algebra II or Pre-Calculus	3rd Core 40 Science	**U.S. History	Personal Financial Responsibility	World Language	Sports & Entertainment Marketing	Adult Roles and Responsibility
	S2					Business Law & Ethics			
12	S1	**English 12	**Pre-Calculus Trig or **AP Calculus or AP Stats		**Government	Strategic Marketing	World Language	Administrative & Office Management	
	S2				Economics				

Six highlighted courses are required to complete concentration

Postsecondary Courses Aligned for Potential Dual Credit**
**See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

High School Course	Postsecondary Courses
Digital Applications and Responsibility 1	CINS 101 Introduction to Microcomputers
Principles of Business Management	BUSN 101 Introduction to Business
Administrative & Office Management	BUSN 105 Principles of Management
Strategic Marketing	MKTG 230 Consumer Behavior
Principles of Marketing	MKTG 101 Principles of Marketing

Lake Central High School

Cluster: Arts AV Technology/Communication
Pathway: Visual Arts
Concentration: Photography

GRADE	SUBJECT	Required Courses for Core 40 (with Honors Diploma **)						Recommended Courses and Electives	
		English/ Language Arts	Math	Science	Social Studies	Electives	Electives	Electives	Electives
9	S1	English 9	Algebra I or Geometry	Biology	Geo/History of the World or World History	Health	PE-Gym if not taken during the summer	Digital Applications and Responsibility	
	S2					Digital photo	PE –Pool if not taken during the summer	Preparing for College and Careers	
10	S1	English 10	Geometry or Algebra II	Integrated Chem/Physics or Chemistry		**Fine Arts	3 years of 1 language or 2 years of 2 languages **World Language	Web Design	
	S2					**Fine Arts		Computer Illustration and Graphics	
11	S1	English 11	Algebra II or Pre-Calculus	3rd year core 40 science	U.S. History	Personal Financial Responsibility	**World Language	Intro to Communications and Graphics	
	S2					Adv. Speech			
12	S1	English 12	Math or Quantitative Reasoning **4th year math		Government	Principles of Marketing	**World Language	Graphic Imaging Technology	
	S2				Economics				

Six highlighted courses are required to complete concentration

Postsecondary Courses Aligned for Potential Dual Credit**
**See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

High School Course	Postsecondary Course
Principles of Marketing	Mktg 101 Ivy Tech
Digital Applications and Responsibility	CINS 101 Ivy Tech

Lake Central High School

Cluster: Arts, AV Technology, & Communication
Pathway: Web & Digital Communications
Concentration: Interactive Media

GRADE	SUBJECT	Required Courses for Core 40 (with Honors Diploma **)						Recommended Courses and Electives	
		English/ Language Arts	Math	Science	Social Studies	Electives	Electives	Electives	Electives
9	S1	English 9	Algebra I or Geometry	Biology	Geo/History of the World or World History	Health	PE-Gym if not taken during the summer	Digital Applications and Responsibilty I	
	S2					Intro to Business	PE –Pool if not taken during the summer	Preparing for College and Careers	
10	S1	English 10	Geometry or Algebra II	Integrated Chem/Physics or Chemistry or Physics	Intro to Communications/Graphics	**Fine Arts	3 years of 1 language or 2 years of 2 languages **World Language	Digital Applications and Responsibilty II	
	S2					**Fine Arts		Principles of Marketing	
11	S1	English 11	Algebra II or Pre-Calculus		U.S. History	Personal Financial Responsibility	**World Language	Computer Science 1	Web Design
	S2					Elective			Computer Illustration & Graphics
12	S1	English 12	Pre-Calculus or Calculus or Statistics	Additional 2 credits from any other Core 40 Science	Government	Graphic Imaging Tech	**World Language	Content Area Elective	
	S2				Economics				

Six highlighted courses are required to complete concentration

Postsecondary Courses Aligned for Potential Dual Credit**

**See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

High School Course	Postsecondary Course
Digital Applications and Responsibility	Introduction to Microcomputers
Computer Science 1	Computing Logic

Lake Central High School

Cluster: Arts, AV Technology, and Communications
Pathway: Visual Arts
Concentration: Visual Communications

GRADE	SUBJECT	Required Courses for Core 40 (with Honors Diploma **)						Recommended Courses and Electives	
		English/ Language Arts	Math	Science	Social Studies	Electives	Electives	Electives	Electives
9	S1	English 9	Algebra I or Geometry	Integrated Chem/Physics or Chemistry or Physics	Geo/History of the World or World History	**Fine Arts	PE-Gym if not taken during the summer	Digital Applications and Responsibility I	
	S2					Preparing for College and Careers	PE –Pool if not taken during the summer	Computer Illustration and Graphics	
10	S1	English 10	Geometry or Algebra II	Integrated Chem/Physics or Chemistry or Physics Biology		**Fine Arts	3 years of 1 language or 2 years of 2 languages **World Language	Digital Applications and Responsibility II	
	S2					Web Design		Principles of Marketing	
11	S1	English 11	Algebra II or Pre-Calculus	Additional 2 credits from any other Core 40 Science	U.S. History	Personal Financial Responsibility	**World Language	Intro to Communications/Graphics	
	S2								
12	S1	English 12	Pre-Calculus or Calculus or Statistics	**World Language	Government		Graphic Imaging Technology (Graph II/III)		
	S2				Economics				

Six highlighted courses are required to complete concentration

Postsecondary Courses Aligned for Potential Dual Credit**

**See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

High School Course	Postsecondary Course
Digital Applications and Responsibility	Intro to Micro Computers
Principles of Marketing	MKTG-101

Required Courses for Core 40 (with Honors Dip

GRADE	SUBJECT	English/ Language Arts	Math	Science	Social Studies	E
9	S1	English 9	Algebra I or Geometry	Biology	Geo/History of the World or World History	**
	S2					Pre Co
10	S1	English 10	Geometry or Algebra II	Integrated Chem/Physics or Chemistry	Sociology Psychology	**
	S2					
11	S1	English 11	Algebra II or Pre-Calculus	Additional 2 credits from any other Core 40 Science	U.S. History	P F Res
	S2					Ad Res
12	S1					ment
	S2					mics

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Lake Central High School

Cluster: Health Science
Pathway: Nursing
Concentration: Nursing

GRADE	SUBJECT	Required Courses for Core 40 (with Honors Diploma **)						Recommended Courses and Electives	
		English/ Language Arts	Math	Science	Social Studies	Electives	Electives	Electives	Electives
9	S1	English 9	Algebra I or Geometry	Biology	Geo/History of the World or World History	Health	PE-Gym if not taken during the summer	Computer Science	Nutrition and Wellness
	S2					Digital Applications and Responsibility	PE –Pool if not taken during the summer	Preparing for College and Careers	
10	S1	English 10	Geometry or Algebra II	ACP I Chemistry Honors I*		**Fine Arts	3 years of 1 language or 2 years of 2 languages **World Language	Psychology*	
	S2					**Fine Arts		Interpersonal Relationships	
11	S1	English 11	Algebra II or Pre-Calculus	Anatomy and Physiology	U.S. History	Personal Financial Responsibility	**World Language	Human Development/Family Wellness	Chemistry II Honors or AP Chemistry
	S2								
12	S1	English 12	Pre-Calculus or Calculus* or AP Calculus*	AP Biology*	Government	AP Psychology	**World Language	Advanced Speech	
	S2				Economics				

Six highlighted courses are required to complete concentration

Postsecondary Courses Aligned for Potential Dual Credit**
**See individual Course Frameworks for alignment of high school course standards and postsecondary course objectives

High School Course	Postsecondary Course
ACP I Chemistry Honors	C101 and C121 - IUB
Chemistry II Honors	C105 and C125 - IUN
AP Biology	Bio L100 - IUN
Anatomy and Physiology	Bio P130/N213 - IUN

*Highly Recommended

Pathway: Health Care
Concentration: Health S
Focus: Pharm

GRADE	SUBJECT	Required Courses for Core 40 (with Honors Diplom				
		English/ Language Arts	Math	Science	Social Studies	Electi
9	S1	English 9	Algebra I or Geometry	Biology Honors	Geo/History of the World or World History	Hea
	S2					Digi Applica an Respons
10	S1	English 10	Geometry or Algebra II	ACP Chemistry Honors I	Psychology	Fine
	S2				Speech	Fine
11	S1	English 11	Algebra II or Pre-Calculus	Anatomy Physiology Honors	U.S. History	Perso Finan Respons
	S2					ACP (Orga
12	S1	English 12	Pre-Calculus or Calculus	AP Biology	Government	Physic AP Phy
	S2				Economics	

Six highlighted courses are required t

Postsecondary Courses Aligned for **See individual Course Frameworks for alignment of high school cours	
High School Course	
ACP 1	C101 &
PCTH	M125 &
ANT PHY	BIO P1
AP BIOLOGY	BIO L10