

Math

Possible Math course plans


After Successfully Completing Algebra 2:

|  | PreCalc | Trig | Quantitative <br> Reasoning | Finite |
| :---: | :---: | :---: | :---: | :---: | (Calc 1\&2



REQUIREMENTS

Juniors and seniors are required to choose ONE communication course and ONE literature course during their 11th grade and 12 th grade year OR enroll in an AP or dual credit course for that year.

Use the English Course Descriptions to help you decide on courses:
English Course Descriptions

| American lit | Composition |
| :---: | :---: |
| Bible lit | Creative Writing |
| Classical lit | Expository Writing |
| English Lit | Speech |
| Genres: American Folk lit | Digital Communications |
| Indiana Cit |  |
| Short Stories |  |
|  |  |

AP/Dual Credit Options

| Advanced Placement | Dual Credit |
| :---: | :---: |
| AP Language and Composition - | ENGL 101: Composition I (VU) |
| Cross Listed as ENGL 101/ENGL 102 (VU) | ENGL 102: Composition II (VU) |
|  | (ITR 100: Literary Interpretation (VU) |
|  | (ITR 223: American Literature (VU) |
|  | (ITR 225: English Literature (VU) |
|  | Speech CMST 101 (USI) |
|  | ENGL 202: Creative Writing (VU) |



Regular (no n-Weighted) Social Studies Courses

- United States History (required-Grade 11)
- Government (required-Grade 12)
- Economics (required-Grade 12)
- Psychology (elective)
- Sociology (elective)
- Ethnic Studies (elective)
- Topics in History: The Holocaust (elective)
- Topics in History: History through Film (elective)
- Indiana Studies (elective)
- The Cultural History of Rockn'Roll (elective)
- Current Events (elective)

Honors (Weighted) Social Studies Courses:

- AP World History Modern A \& B
- AP Microeconomics (may be taken in place of Economics requirement)
- Y103 Government: United States (may be taken in place of Government Requirement)
- Dual Credit Vincennes University H139/140 American History (elective) (May be taken in place of US History Requirement)
- Dual Credit Indiana University H105/106 United States History (May be taken in place of US History Requirement)
- AP Psychology A \& B (elective)

Which Required Economics Class Should I take?
Economics- Not a weighted honors class, passing this introductory class will fulfill the basic Economics requirement for a high school diploma. 1 semester

AP Microeconomics- This most advanced weighted honors class might qualify for college credit depending upon the results of the AP exam and your college. This class places great emphasis on testing, reading, and weekly homework assignments. This class is excellent for students considering a college business school because it requires high level critical thinking and analysis skills. 1 semester

Which Required Government Class Should I take?

Government - passing this class will fulfill the basic Government requirements for a high school diploma. This is a one semester course.

Y103 Goverument: United States - A weighted honors course that may be taken for dual credit through IU's ACP program or as an AP course. Students delve deeply into the mechanics of the US government as well as the politics that power our government. The final grade consists of $75 \%$ tests, $10 \%$ final project, and $15 \%$ "other stuff". This course fulfills the high school government requirement as well. 1 semester

Which Required US History Class should I take?

US History $A$ \& $B$ - this regular course fulfills the diploma requirement for graduation. It is a 2 semester course covering the Reconstruction Era (late-1800s) through today.

Dual Credit Vincennes Univ H139/140 - This is a 2 semester VU dual credit course that meets the BNL requirement for US history. It cover US History from 1492 through the modern era. Along with regular classwork, you will be expected to complete a chapter of textbook reading each week and to write two 3-4 page essays.

Dual Credit Indiana Univ H105/106 -This is a 2 semester IU dual credit course that meets the BNL requirement for US history. It cover US History from 1492 through the modern era. Along with regular classwork, you will be expected to complete a chapter of textbook reading each week and to write two 3-4 page essays.

Which (elective) Psychology Class should I take?

Psychology- 1 semester. Students learn core information about the field of psychology - the study of the mind and human behavior. Assignments are based on basic application of concepts.

AP Psychology- 2 semesters. Students learn further depth of the content. There is an expectation for students to read nightly and be able to apply the content through regular writing assignments. There are also college-level test questions that make up roughly half of the grade. College credit is not guaranteed, but it will prepare students for college.


## PATHWAY FOR CORE 40 DIPLOMA - 6 credits



## Additional Core 40

## Science Course

-Earth Science (IF you did not take in 9th grade)
-Environmental Science
-*Principles of Biomedical Science
-*Human Body Systems
-*Medical Interventions (Prerequisite: PBS) -Anatomy \& Physiology (Prerequisite: Biology)
-AP Biology (Prerequisite: Biology \& Chemistry)
-AP Environmental Science: (Prerequisite: Biology \& Chemistry)
-AP Physics (Prerequisite:Algebra II, can be taken concurrently)
-ACP Chemistry (Prerequisite: Biology \& Algebra II)
-Biology 100
(Prerequisite: Biology \& Chemistry)
-*Principles of Computing
*These courses are part of a CTE Pathway, and can be used for Graduation Pathways, bucket 3

## Science Course Descriptions available HERE

IF YOUR CURRENT CLASS IS BIOLOGY - it's time to earn your physical science credits! Choose from:
$\rightarrow$ Chemistry
ONCY if you have completed Algebra 1
$\rightarrow$ Integrated Chemistry \& Physics (ICP)
$\rightarrow$ Physics I
ONLY if you have completed Algebra 1
CAN ALSO ENROLL IN: Principles of Biomedical Science

- 1st of 3 courses in the Biomedical Pathway for graduation

IF YOUR CURRENT CLASS IS CHEMISTRY \& YOUVE PASSED BIOLOGY:
$\rightarrow$ Physics I
$\rightarrow$ Physics II (if you've completed Physics I)
$\rightarrow$ AP Biology
$\rightarrow$ AP Environmental Science
$\rightarrow$ AP Physios

- if you're taking Algebra II (higher math course) concurrently
$\rightarrow$ ACP Chemistry (dual credit through Indiana University)
if you're taking Algebra II (higher math course) concurrently
$\rightarrow$ Organic and Biochemistry
$\rightarrow$ Biology 100 (dual credit through Vincennes University)
$\rightarrow$ Anatomy \& Physiology

OTHER OPTIONS that don't require having taken chemistry first:
$\rightarrow$ Environmental Science
$\rightarrow$ Earth Science (IF you didn't take it as a freshman)
$\rightarrow$ Principles of Biomedical Science (1st of 3 courses in the biomedical graduation pathway)
$\rightarrow$ Human Body Systems (2nd of 3 courses in the biomedical graduation pathway)
$\rightarrow$ Medical Interventions (3rd of 3 courses in the biomedical graduation pathway)


ART - BEGINNING CLASSES

Intro to 2D Art
Screenprinting
Yearbook Graphics
Intro Darkroom/Digital Photo
Metalsmithing \& Jewelry Design
Intro to 3D Art

Painting
Ceramics
Drawing
Textiles, Fiber Arts \& Dyeing
Stained Glass
Computer Graphics

Limestone Sculpture

ART -ADVANCED CLASSES
*Classes can be repeated for multiple credits. Talk to you counselor to sign up for more than one semester. powerschool won vt let you but it is possible!

Advanced Screenprinting
Advanced Darkroom
Advanced Digital Photo
Advanced Limestone
Advanced 3D Art
Advanced Drawing
Advanced 2D Art

Advanced Painting
Advanced Textiles
Advanced Ceramics
Adv. Metalsmithing
Advanced Stained Glass
Adv. Computer Graphics

ART- DUal Credit
H100 IU Art History and Visual Culture This course is one semester. If you love history or learning about art and artists, and you love to read and are curious about the world, this course is for you.

Visual Arts Pathway to graduation

Requirements:
Introduction to 2D Art
Introduction to 3D Art
Advanced 2D Art OR Advanced 3D Art
One other art elective minimum

Participation and helping organize and set up the BNC Art Show (usually in April or May every year).
*Portfolio
*2 semesters of either Business
Management, Principles of Teaching, or Principles of Human Services (not art classes, not in the art department).
*Portfolio requirements:
12 pieces of art (or photos of 3D art)
3 pieces from Intro to 2D
3 pieces from Intro to 3D
3 pieces from Advanced 2D OR 3D
3 pieces from other art electives
Artist's Statement
Resume

World language: Two Ways to Achieve Academic Honors Diploma

Three years of one language:
French, German, Spanish

Freshman Year $=$ F/G/SI
Sophomore Year $=$ F/G/S II
Junior Year $=$ F/G/S III
(Optional) Senior Year $=F / G / S I V$

Two -years of two languages:
French, German, Spanish
example:
Freshman Year $=$ French I
Sophomore Year = French II
Junior Year = German I
Senior Year = German II

Music Department Offerings

64160 Beginning Concert Band
64168 Intermediate Concert Band
G4170 Advanced Concert Band
G4200 BA Band Music Lab
64182 Beginning Chorus
64174 Orchestra
G4186 Intermediate Chorus
G4200 OR Orchestra Music Lab
G4188 Advanced Chorus

Music Department Offerings

64204 I Beginning Piano
G4204 A Advanced Piano
$G 4208$ Music Theory

G4242 Theater Arts
64248 Theater Production

Choir Course
Chorus
G4182, G4186, G4188

Director - Mr. Hayden

No prior experience needed. Great place to take your present music ability and expand.

Theater Arts

G4242 Theater Arts
Instructor - Mr. Hayden

Students eurolled in Theater Arts read and analyze plays, create scripts and theater pieces, conceive scenic designs, and develop acting skills. Additionally, students explore career opportunities in the theater.

Theater Production

G4248 Theater Production
Instructor - Mr. Hayden

Students eurolled in Theater Production take on responsibilities associated with rehearsing and presenting a fully-mounted theater production. They read and analyze plays to prepare for production; conceive and realize a design for a production, including set, lighting, sound and costumes; rehearse and perform roles in a production; and direct or serve as assistant director for a production.

BAND COURSES

Concert Band (fall)
G4160, G4168, G4170
Directors - Mr. Jones / Mr. Berger

This ensemble begins as marching band and transitions to a traditional concert band setting after marching season.

Concert Band
G4160, G4168, G4170
Directors - Mr. Jones / Mr. Berger

This ensemble performs as a traditional concert band. Some students may be selected to perform as a jazz ensemble in addition to performing in the concert band.

Concert Band Summer \& Fall Semester

Concert Band (fall)
G4160, G4168, G4170
Directors - Mr. Jones / Mr. Berger

Previous band experience expected. Includes a summer band program and band fee.
P.E.credit available.

No audition, but performances at football games and contests are required

This ensemble serves as the marching band during summer and fall marching season. It then transitions to concert band to end the semester.

Participation in summer band and summer band campleading in to the semester to learn parade marching and the competition show is required.

Marching Band Summer \& Fall Semester
Marching Band -extra-curricular only-not during the school day
Directors - Mr. Jones / Mr. Berger
For band students who want to do marching band but can't fit Concert Band in their fall schedule. Students will sign up with Mr. Jones later this spring to participate in marching band.
Previous marching band experience expected.
Includes a summer band program and band fee.
P.E. credit available.

No audition, but participation in summer band and summer band camp leading into the fall semester to learn parade marching and the competition show is required.
Extra rehearsals, performances at football games and contests are required.

Color Guard - Summer \& Fall Semester extra-curricular only-not during the school day

Sign up with Mr. Jones for Marching Band
This group is part of the marching band. It also includes a summer program and band fee.
P.E. credit is available.

Audition is required. Extra rehearsals, performances at football games and contests are required

Travels with the marching band.

Concert Band Spring Semester

Concert Band (spring) 64160, G4168, G4170
Directors - Mr. Jones / Mr. Berger

This ensemble serves as a concert band during the spring semester. Some students may be selected to perform as a jazz ensemble in addition to performing in the concert band.

Previous band experience expected.
No audition, but performances at concerts and contests are required.

MUSIC LAB - BAND
Music Lab-G4200 BA
Instructors - Mr. Jones / Mr. Berger
For experienced band students not able to fit concert band in their schedule.

For new students without experience wanting to learn a band instrument. (beginning band)

For band students already in concert band to also learn a secondary instrument.

For band students already in concert band to learn advanced technique on their principal instrument.

Orchestra Course

64174 Symphonic Orchestra
Director - Mrs. Jones / Mr. Jones
This orchestra is made up of 9-10-11-12th grade performers.

No audition required, but contest participation is required

## Music Lab - Orchestra

Music Lab-G4200 OR
Instructors - Mrs. Jones / Mr. Jones
For experienced orchestra students not able to fit orchestra in their schedule.

For new students without experience wanting to learn a string instrument. (beginning orchestra)


For orchestra students already in orchestra to also learn a secondary instrument.

For orchestra students already in orchestra to learn advanced technique on their principal instrument.

PiANo COURSES

64204 I Beginning Piano
Instructor - Mr. Hayden

No experience required

G4204 A Advanced Piano
Instructor - Mr. Hayden

Completed G4202 I Beginning Piano or Approval from Mr. Hayden

This is where you begin your piano experience.

Music Theory
64208 Music Theory
Instructor - Mr. Jones

No experience needed, but basic music reading skills are required.


EdUCATION PROFESSIONS PATHWAY

- Requires observation time in elementary or middle schools
- You must have your own transportation
- Each class is dual credit through Ivy Tech
- Each course is a full year and earns 2 credits

1. Principles to Teaching (EDUC 101)
2. Child \& Adolescent Development (EDUC 121)
3. Teaching \& Learning (EDUC 201)

Business Administration Pathway
Each course is a full year and earns 2 credits

1. Principles of Business Management

- Dual credit through Ivy Tech (CINS 101)
- Focus is on business ownership, finance, and marketing in addition to appropriate use of technology to communicate and solve business problems.

2. Management Fundamentals

- 2 dual credit courses through Ivy Tech (BUSN 105 \& BL AW 201)
- Focus is on management activities \& personnel laws affecting business, \& contracts

3. Accounting Fundamentals

- Focus is on accounting principles, understanding, analyzing, \& recording business transactions

Other Business Courses
Personal Finance

- 1 Semester, 1 credit course
- Focuses on building skills in financial responsibility by looking at sources of income, saving \& investing, banking, budgeting, record-keeping, \& use of credit.
Introduction to Entrepreneurship
- 1 Semester, 1 credit course
- Introduces entrepreneurship and develops skills \& toots critical for starting and succeeding in business
Web Design
- 1 Semester, 1 credit course
- Focuses on the principles of web design using HTMC/XHTML

Business Math

- 2 Semesters, 2 credit course
- Fulfills math requirement for General Diploma ONCY
- Prerequisite: Algebra 1
为


## Physical Educaiion

xytyo

$\dot{x} x^{2} x^{2}$
(


## Physical Edocaiion Counses

Elective P. E
Course\# G3560 1 credit/Semester
ELECTIVE P.E.: STRENGTH
TRAINING

Course\# 3560S 1 credit/Semester

ELECTIVE P.E.: STRENGTH TRAINING F

Course\# 3560F 1 credit/Semester

This course is fun! This course is_Open to all male students in grades Open to only female students in designed to develop individual skills through participation in specialized sports activities with emphasis on leisure time activities. You will participate in the following activities: frisbee football, basketball, flag football, mushball, softball, badminton, archery, pickleball, and tennis.

10, 11, 12. This course will incorporate the latest in strength training techniques and theories with the finest equipment available. The course will be geared toward the prevention of injury, improving performance potential and improving personal appearance.
grades $10,11,12$. This course will incorporate the latest in strength training techniques and theories with the finest equipment available. The course will be geared toward the prevention of injury, improving performance potential and improving personal appearance.


HOW WiLL YOU MEET Bucket 3?
The North Lawrence Career Center (Career Technical Education) is ONE OPTION that meets bucket number 3 for graduation Pathways.

- See or email Mrs. Baker (at the Career Center) for more information-bakerk@nlcs.k12.in.us


## CTE Patwways

| Agriculture | Culinary | Engineering |
| :--- | :--- | :--- |
| Health Science | Precision Machining | Computer Science |
| Graphic Design | Auto Services | Software Development |
| Welding | Biomedical | Criminal Justice |
| Construction | Business | Broadcasting |
| Auto Collision | Early Childhood |  |
| Repair | Education |  |
| Fire Science | Teaching |  |

MORE informaition about Career Center Pathways


