

Hobart High School

HOBART
HIGH SCHOOL

Career Pathway & Course Description Guide 2017-2018

*2211 East 10th Street
Hobart, IN, 46342*



HOBART HIGH SCHOOL

Mission Statement



The primary mission of **Hobart High School** is to provide a positive, safe learning environment in which all students have the opportunity to acquire the skills, knowledge, and behaviors needed to be productive citizens in an every-changing world.

The educational program will enable students to:

- Gather information and communicate effectively
- Solve problems through critical thinking and cooperation
- Incorporate technology into daily living and learning
- Develop a responsible work ethic
- Develop career awareness in a global economy
- Respect others and develop social skills

Hobart High School, in partnership with the home and community, is committed to helping students reach their potential in the areas of social growth, education, and employment.

The School City of Hobart does not discriminate on the basis of race, creed, sex, color, national origin, religion, age, sexual orientation, marital status, genetic information or disability, including limited English proficiency.

Hobart High School

2211 East 10th Street- Hobart, IN 46342
(219) 942-8521

Angela Patrick, Principal
Jacob Rodriguez , Assistant Principal
Colleen Newell, Assistant Principal



School City of Hobart

32 East 7th Street - Hobart, IN 46342
(219) 942-8885

Dr. Peggy Buffington, Superintendent
Mrs. Debbie Matthys, Director of Curriculum and Instruction
Mrs. Sara Gutierrez Director of Curriculum and Instruction

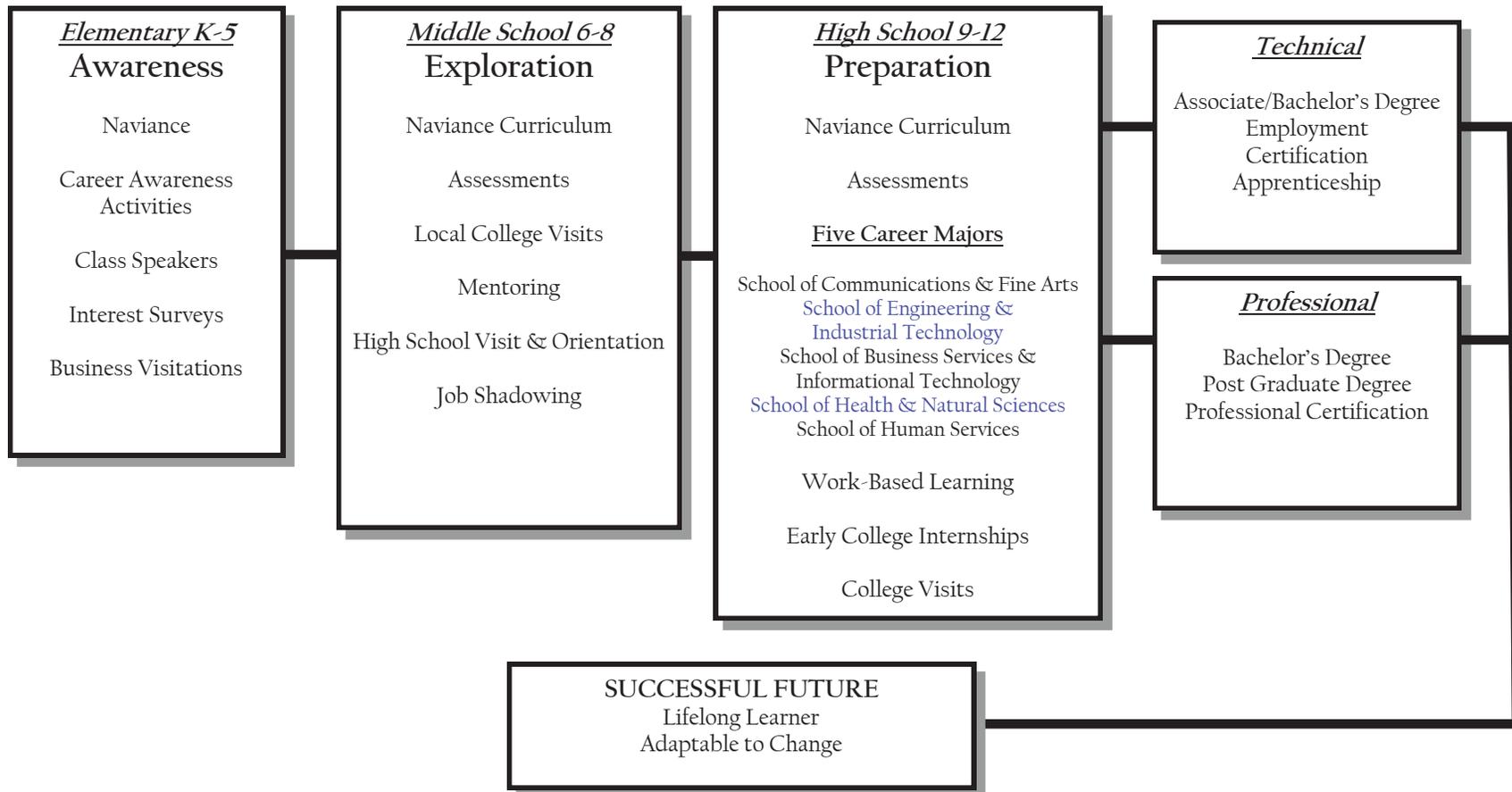
MEMBERS BOARD OF SCHOOL TRUSTEES

Terry Butler
Karen Robbins
Dave Bigler
Stuart Schultz
Michael Rogers
Rikki Guthrie
Donald Rogers

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SCHOOL CITY OF HOBART Career Education Model



Student Academic and Career Planning

Grade 9

All students will take a Career Interest Profiler to help them identify possible career interest along with career pathways. Students will meet with their counselor to discuss various careers and the classes needed for their career choice. The meeting will also focus on graduation requirements of various diploma tracks, updating the student's Educational Development Plan and suggestions for next year's class schedule. If students take Biology I, they will participate in the Biology I ISTEP in the spring. In addition, students will take the PSAT 8/9 in the fall and the ACT WorkKeys in the spring. Our goal is to prepare students for college and careers.

Grade 10

Students will take ISTEP for Math and English. Students who do not pass will have opportunities to re-test during their junior and senior years. Students must pass the ISTEP before graduation. Sophomores will take the PSAT to gain experience in taking college entrance type tests. Sophomores will meet with a counselor to discuss their four year Educational Development Plan, their progress towards graduation, and their class schedule for junior year. Sophomores will also take a Strengths Explorer test through Naviance which will help identify the student's strengths.

Grade 11

All students will meet with a counselor to discuss their four-year Educational Development Plan, their progress towards graduation, and their class schedule for senior year. Juniors will take the PSAT/NSMQT. The test gives juniors valuable feedback about academic skills and helps prepare college-bound students for the ACT and SAT college admission tests. Students also compete for national scholarships and are placed on college mailing lists. Students may take the ASVAB career exploration program. This test is geared toward junior and senior classes in preparation for their career searches and future educational plans. This test is free. Additionally, all 11th grade students will take the SAT in the spring of their junior year. We encourage all college-bound students to take the SAT or ACT tests for college admission additional times if necessary. Juniors will complete a College SuperMatch to find prospective colleges and will build a resume.

Grade 12

All seniors will meet with their counselor at the beginning of the year for a final credit check. At this time, transcripts are reviewed and senior schedules are checked to make sure the student will have enough credits for graduation. Students maintain close contact with their counselors as they complete their academic requirements for their high school diploma and send out college applications. Additionally, all seniors will take the SAT in the fall, which will give students an additional test score for college admissions. In the spring, seniors will have the option of taking the SAT or the ACT WorkKeys. This test helps measure career readiness. Students who score a 3 or above on all three tests will receive a nationally recognized certificate that will be useful when applying for jobs.

EMPLOYER EXPECTATIONS

What Does an Employer Expect of Me as an Employee?

1. **Have a positive attitude**
2. **Work well with others**
3. **Follow directions**
4. **Show up for work on time**
5. **Recognize problems and find solutions**
6. **Manage time effectively**
7. **Apply good listening skills**
8. **Be honest and dependable**
9. **Pass a drug or background test**
10. **Dress properly and practice good grooming**

Hobart High School is determined to prepare every student for life after high school. In doing so, it is critical that all students understand the importance of the soft skills listed above. These soft skills have been identified as vitally important by over 100 employers. By preparing students with these expectations now, it will only help them to succeed in the future.

Hobart High School Requirements	
English/ Language Arts	8 credits
	English 9 English 10 English 11 English 12
Mathematics	6 credits (in grades 9-12)
	2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II <i>Students must take a math or quantitative reasoning course each year in high school</i>
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: World History/Civilization 2 credits: U.S. History 1 credit: U.S. Government 1 credit: Economics
Directed Elec- tives	5 credits
	World Languages Fine Arts Career and Technical Education
Physical Education	2 credits
Health and Wellness	2 credits
Electives*	6 credits (College and Career Pathway courses recommended)
42 Total Credits Required	

CORE40 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 transcribed college credits in dual credit courses from priority course list
 - C. Earn the following:
 1. A minimum of 3 verifiable transcribed college credits from the priority course list,
 - 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

CORE40 with Technical Honors (minimum 47 credits)

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

- 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. Pathway designated industry-based certification or credential, or
 2. Pathway dual credits from the lists of priority courses resulting in 6 transcribed 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 - E) 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.

COMPLETE ONE YEAR OF COLLEGE WHILE AT HHS!

Early College, Concurrent Enrollment, and Dual Credit all refer to a high school student completing a college course in high school.

What if you have dual credit? Look at the potential financial savings below:

Indiana students who are eligible for free and reduced lunch will have their tuition fee waived.

SEMESTER 1			SEMESTER 2		
Course	Credit	Fee	Course	Credit	Fee
Psychology 101	3	\$606.90	Chemistry	3	\$606.90
English 104	3	\$606.90	English 105	3	\$606.90
Pre-Calculus	3	\$606.90	Trigonometry	3	\$606.90
History	3	\$606.90	Speech	3	\$606.90
Intro to Engineering and Design	3	\$606.90	Civil Engineering	3	\$606.90
TOTAL	15	\$3034.50	TOTAL	15	\$3034.50



Total Savings— 2 Semesters—\$6069.00

BENEFITS OF EARNING COLLEGE CREDITS IN HIGH SCHOOL

*Financial advantage

*Accelerated start in college.

*Statistically, those who earn college credits in high school have an increased rate of success in life.

*Take course in the comfort of your high school with teachers that you know.

*Familiarity with university registration, policies, and procedures.

Early College at Hobart High School

Early College, also referred to as Dual Credit or Concurrent Enrollment, is the term given to courses in which high school students have the opportunity to earn both high school and college credits. These dual credit courses are taught by high school teachers using the high school text & curriculum during the regular high school classes.



An agreement is made between secondary and post-secondary schools establishing dual credit partnerships for each course involved. Because the college or university partner is awarding college credit the agreement requires the high school and students to meet each college eligibility standards.

Listing of Early College Credits @ Hobart High School

HHS Course Name	# College Credits	College Course	Cost	GPA Requirement	Partner University
AP US History	6	HIST 104/105	\$150*	2.5+	Indiana University Northwest
AP Government	3	POLS Y103	\$75*	2.5+	Indiana University Northwest
Finite Math	3	M118	\$75*	2.5+	Indiana University Northwest
Advanced Speech	3	SPCH S121	\$75*	2.5+	Indiana University Northwest
Personal Finance	3	BUS F260	\$75*	2.5+	Indiana University Northwest
AP Biology	4	BIOL 110	\$100*	2.95+	Purdue Univ. North Central
Senior Composition	6	ENGL 104/105	\$150*	2.95+	Purdue Univ. North Central
AP Language	6	ENGL 104/105	\$150*	2.95+	Purdue Univ. North Central
Honors Pre-Calc	3	MA 153	\$75*	2.95+	Purdue Univ. North Central
Honors Trig	3	MA 154	\$75*	2.95+	Purdue Univ. North Central
AP Chemistry	4	CHEM 115	\$100*	2.95+	Purdue Univ. North Central

***Cost is free if student qualifies for free or reduced lunch**

HHS Course Name	# College Credits	College Course	Cost	GPA Requirement	Partner University
AP Calculus AB	5	MA 161	\$125*	2.95+	Purdue Univ. North Central
Honors Physics	4	PHYS 220	\$100*	2.95+	Purdue Univ. North Central
AP Psychology	3	PSY 120	\$75*	2.95+	Purdue Univ. North Central
AP Art or Drawing	3	AD 113	\$315.30	2.95+	Purdue Univ. North Central
Music History App.	3	MUS 250	\$315.30	2.95+	Purdue Univ. North Central
Principles of Marketing	3	MKTG 101	Free	Accuplacer Test	Ivy Tech Community College
Intro to Engineering	3	DESN 101	Free	Accuplacer Test	Ivy Tech Community College
Intro to Business	3	BUSN 101	Free	Accuplacer Test	Ivy Tech Community College
Prin. Of Engineering	3	DESN 104	Free	Accuplacer Test	Ivy Tech Community College
Civil Engineering	3	DESN 105	Free	Accuplacer Test	Ivy Tech Community College
Bio Innovations	3	BIOT 107	Free	Accuplacer Test	Ivy Tech Community College
Computer Aided Design	3	DESN 113	Free	Accuplacer Test	Ivy Tech Community College
Comp Integ Manufact	3	ADMF 116	Free	Accuplacer Test	Ivy Tech Community College
Prin. of Biomed. Science	3	BIOL 10011	\$75	PLTW ECA	IUPUI
Human Body Systems	3	BIOL 10012	\$75	PLTW ECA	IUPUI
Biomedical Innovations	3	BIOL 10014	\$75	PLTW ECA	IUPUI
Medical Interventions	3	BIOL 10013	\$75	PLTW ECA	IUPUI
Early Childhood	6	ECED 100/101	Free	Accuplacer Test	Ivy Tech Community College
EMT Course	6	EMTB 212	Free		Vincennes University



1 + 3 Program at HHS

EARN ONE YEAR OF COLLEGE AT HHS– AND FINISH THE LAST THREE AT PNC!

Hobart High School and Purdue University North Central are partnering up in an effort to help high school students earn one year of college credits while at HHS!

The program, called "1+3", will be designed to help college-bound students complete some course requirements and upon arrival at PNC, students will only need 3 more years of courses, saving students both time and money! Students will meet with their high school guidance counselor to develop a high school course plan that will allow the courses to be completed prior to graduation. In the senior year, students will work with PNC advisors to plan out the last three years. Students will be able to use the "1+3" program to obtain degrees in General Studies, Human Resource Management, Biology, and Business.

ASK US ABOUT IT!

SEE YOUR GUIDANCE COUNSELOR FOR ADDITIONAL INFORMATION!



Porter County Career Center



Hobart High School partners with the Porter County Career and Technical Education Center to offer students a broad selection of Career and Technical Ed Courses (CTE). These courses are designed to effectively focus on vocational and career education and are open to 11th and 12th grade students. Not only are students able to explore and learn about a specific career, but also the vocational education component provides the opportunity to prepare for entry-level employment in occupations requiring skilled workers. Students take classes at PCCTE for half of the day and spend the other half at HHS. There are so many great opportunities at PCCTE!

Advantages of CTE

- Most Porter County CTE programs offer dual high school and college credit. These dual credits give students a head start on post secondary education while saving students money!
- Students can earn the **Core 40 with Technical Honors diploma**. This diploma will require students to demonstrate technical proficiency by attaining multiple career-specific credits. CTE courses can help students achieve this!
- Employers from the area recognize the value in CTE programs and often hire graduates!
- PCCTE helps provide the skilled workforce needed to keep young talent and longtime businesses in our area.

HHS Programs

- CISCO Networking Fundamentals
- Education and Early Childhood (The Brickie Kidz Preschool)
- Emergency Rescue Technology
- Fundamentals of Sports Medicine
- Marketing Field Experience

Complete List of Available Programs

Transportation is provided so that students may attend any of the programs listed below:

Public Safety

Emergency Rescue Technology Criminal Justice
Criminal Investigations

Manufacturing

Electronics & Computer Technology Precision Machining
Industrial Mechanics Welding Technology

Health Sciences

Dental Careers Health Occupations
Fundamentals of Sports Medicine Health Science Education
Health Careers

****Programs in RED are Dual Credit Programs**

Architecture & Construction

CAD & Animation
Construction Technology

Information Technology

Cisco Networking

Transportation

Auto Services Technology
Diesel Services Technology

Agriculture

Horticulture Science

Business & Marketing

Entrepreneurship / Sports & Entertainment Marketing
Strategic Marketing Internship / Field Experience

Arts, AV Technology & Communication

Video Production & Media Studies
Graphic Imaging Technology

Hospitality & Human Services

Cosmetology
Culinary Arts & Hospitality Management

Education & Training

Education & Early Childhood



NEW!

Medical Assistant Program

Students at Hobart High School will now have the option to take a two-year Porter County Career Course at the Ivy Tech Crown Point campus. The Medical Assisting program will prepare students to become a Medical Assistant, which is a growing career in the medical field. Medical assistants make around \$13.77 per hour and are in high demand in Northwest Indiana.

Classes will focus on patient care, venipuncture, electrocardiogram, vital signs, injections, medical coding, electronic charting and medical records. Students will learn in a variety of settings, including a computer lab, phlebotomy lab, laboratory skills lab, and clinical skills lab with two fully functioning patient exam rooms. This training prepares students to sit for the Certified Medical Assistant certification exam through the American Association of Medical Assistants, which is becoming a credential requirement for most employers.

Students need to plan ahead as this course spans over two years of high school. Speak to your Guidance Counselor if you are interested and sign up today! Course descriptions are on page 60.

COLLEGE INFORMATION

**INDIANA
UNIVERSITY
NORTHWEST**



Gary, IN

IUN is considered **SOMEWHAT SELECTIVE** 69% of applicants are admitted.

Admissions
IUN rated the relative importance of these factors in their admission decisions.

Very Important
Academic GPA
Rigor of secondary school record
Standardized Test Scores

Average First Year Financial Aid Package \$7,106

AVERAGE ACT COMPOSITE SCORE: 17-24

Total Undergraduate Students- 5,636
First-time degree-seeking freshmen- 743

67% Return for sophomore year.

On average, 32% of incoming freshmen had a 3.0 GPA or higher in high school.

56% of incoming freshmen are ranked in the top half of their graduating class.

Average Cost per year (Tuition and Fees) \$7,751

AVERAGE SAT SCORES
Critical Reading- 460
Math- 450
Writing- 445

**PURDUE
UNIVERSITY
NORTHWEST**



78% of incoming freshmen are ranked in the top half of their graduating class.

Admissions
Purdue Northwest rated the relative importance of these factors in their admission decisions.

Important
Academic GPA
Class Rank
Rigor of secondary school record
Standardized Test Scores

Average First Year Financial Aid Package \$4,052

AVERAGE ACT COMPOSITE 18-24

Total Undergraduate Students- 8,912
First-time degree-seeking freshmen- 994

PNW is considered **SOMEWHAT SELECTIVE** 76% of applicants are admitted.

Average Cost per year (Tuition and Fees) \$7,098

AVERAGE SAT SCORES
On the new SAT test, the average score for acceptance into PNW is a 1050.

The average GPA of incoming freshman students is a 3.13

COLLEGE INFORMATION



PURDUE UNIVERSITY

West Lafayette, IN

<p>97% of incoming freshmen are ranked in the top half of their graduating class.</p>	<p><u>Admissions</u></p> <p>Purdue rated the relative importance of these factors in their admission decisions.</p> <p>Very Important</p> <p>Rigor of secondary school record Academic GPA Standardized Test Scores</p>	<p>Purdue is considered SOMEWHAT SELECTIVE 61% of applicants are admitted.</p>
<p>Average Cost per year (Including Housing) \$23,482</p>		<p>Average First Year Financial Aid Package \$12,668</p>
<p><u>AVERAGE ACT COMPOSITE</u> 24-30</p>	<p><u>AVERAGE SAT SCORES</u> Critical Reading- 550 Math- 620 Writing- 555</p>	
<p>Total Undergraduate Students- 30,147 First-time degree-seeking freshmen- 6,349</p>	<p>69% Graduate within 6 years.</p>	<p>On average, 97% of incoming freshmen had a 3.0 GPA or higher in high school.</p>



INDIANA UNIVERSITY BLOOMINGTON

Bloomington, IN

<p>IU is considered SOMEWHAT SELECTIVE 74% of applicants are admitted.</p>	<p><u>Admissions</u></p> <p>IU rated the relative importance of these factors in their admission decisions.</p> <p>Very Important</p> <p>Academic GPA Class Rank Rigor of secondary school record</p> <p>Important</p> <p>Standardized Test Scores (ACT /SAT)</p>	<p>97% of incoming freshmen are ranked in the top half of their graduating class.</p>
<p>Average Cost per year (Including Housing) \$23,588</p>		<p>Average First Year Financial Aid Package \$11,693</p>
<p><u>AVERAGE ACT COMPOSITE 24-29</u> On average, 81% of incoming freshmen score in this range or above.</p>	<p><u>AVERAGE SAT SCORES</u> Critical Reading- 565 Math- 600 Writing- 560</p>	
<p>Total Undergraduate Students- 32,371 First-time degree-seeking freshmen- 7,192</p>	<p>75% Graduate within 6 years.</p>	<p>On average, 96% of incoming freshmen had a 3.0 GPA or higher in high school.</p>

COLLEGE INFORMATION



Valparaiso University

Valparaiso, IN

93% of incoming freshmen are ranked in the top half of their graduating class.

Admissions
VU rated the relative importance of these factors in their admission decisions.

Very Important
Academic GPA
Rigor of secondary school record
Standardized Test Scores

VU is considered **LESS SELECTIVE** 80% of applicants are admitted.

Average Cost per year (Tuition and Fees) \$38,300

Important
Alumni Relation
Character/Personal Qualities
Class Rank
Extracurricular Activities
Talent/Ability

Average First Year Financial Aid Package \$24,998

AVERAGE ACT COMPOSITE 23-29
On average, 70% of incoming freshmen score a 24 or higher.

AVERAGE SAT SCORES
Critical Reading- 550
Math- 565
Writing- 530

On average, 92% of incoming freshmen had a 3.0 GPA or higher in high school.

74% Graduate within 6 years.

Total Undergraduate Students- 2,980
First-time degree-seeking freshmen- 772



CALUMET COLLEGE OF SAINT JOSEPH

57% of Incoming freshmen are ranked in the top half of their graduating class.

Admissions
CCSJ rated the relative importance of these factors in their admission decisions.

Very Important
Academic GPA
Rigor of Secondary School Record
Standardized Test Scores

CCSJ is considered **VERY SELECTIVE** 33% of applicants are admitted.

Average Financial Aid Package- \$11,764

Important
Alumni Relations
Class Rank
Geographical Residence
Level of Applicant's Interest

Average Cost per year \$16,280

AVERAGE SAT SCORES
Critical Reading- 395
Math- 415
Writing- 395

AVERAGE ACT COMPOSITE SCORE: 16-21

Total Undergraduate Students- 856
First-time degree-seeking freshmen- 135

On average, 27% of incoming freshmen had a 3.0 GPA or higher in high school.

INDIANA TWO - FOUR YEAR COLLEGES & UNIVERSITIES

It is the understanding of the students and staff at Hobart High School that continuing education is necessary for both college and university pathway students so they can better compete in the future job market.

ANCILLA COLLEGE

P. O. Box 1—Union Road
Donaldson, IN 46513-0001
866-262-4552
www.ancilla.edu

ANDERSON UNIVERSITY

1100 East 5th Street
Anderson, IN 46012-3462
800-428-6414
www.anderson.edu

BALL STATE UNIVERSITY

2000 W. University Avenue
Muncie, IN 47306-0855
800-428-6414
www.bsu.edu

BETHEL COLLEGE

1001 Bethel Circle
Mishawaka, IN 46545-5591
800-422-4101
www.BethelCollege.edu

BUTLER UNIVERSITY

4600 Sunset Avenue
Indianapolis, IN 46208-3485
888-940-8100
www.butler.edu

CALUMET COLLEGE OF ST. JOSEPH

2400 New York Avenue
Whiting, IN 46394-2195
219-473-4215
www.ccsj.edu

COLLEGE OF COURT REPORTING

111 West 10th Street Suite 111
Hobart, IN 46342
219-942-1459
www.ccr.edu

CROSSROADS BIBLE COLLEGE

601 North Shortridge Road
Indianapolis, IN 46219
800-822-3119
www.crossroads.edu

DEPAUW UNIVERSITY

101 East Seminary Street
Greencastle, IN 46135-0037
800-447-2495
www.depauw.edu

EARLHAM COLLEGE

National Road West
Richmond, IN 47374-4095
800-327-5426
www.earlham.edu

EMBRY-RIDDLE AERONAUTICAL UNIVERSITY

5726 Professional Circle Suite 120
Indianapolis, IN 46241
317-487-6281
www.erau.edu/indianapolis

FRANKLIN COLLEGE

101 Branigin Blvd
Franklin, IN 46131-2623
800-862-0232
www.franklincollege.edu

GOSHEN COLLEGE

1700 South Main Street
Goshen, IN 46526-4798
800-348-7422
www.goshen.edu

GRACE COLLEGE

200 Seminary Drive
Winona Lake, IN 46590-1298
866-974-7223
www.grace.edu

HANOVER COLLEGE

P.O. Box 108
Hanover, IN 47243-0108
800-213-2178
www.hanover.edu

HOLY CROSS COLLEGE

54515 State Rd. 933 North PO Box
308
Notre Dame, IN 46556-0308
574-239-8400
www.hcc-nd.edu

HUNTINGTON UNIVERSITY

2303 College Avenue
Huntington, IN 46750-1299
800-642-6493
www.huntington.edu

INDIANA STATE UNIVERSITY

318 North Sixth Street
Terre Haute, IN 47809
800-468-6478
www.indstate.edu

INDIANA TECH

1600 East Washington Blvd
Fort Wayne, IN 46803
800-937-2448
www.indianatech.edu

INDIANA UNIVERSITY

300 North Jordan Avenue
Bloomington, IN 47405-1106
812-855-0661
www.iub.edu

INDIANA UNIVERSITY EAST

2325 Chester Boulevard
Richmond, IN 47374-1289
800-959-3278
www.iue.edu

INDIANA UNIVERSITY KOKOMO

2300 South Washington Street
Kokomo, IN 46904-9003
888-875-4485
www.iuk.edu

**INDIANA UNIVERSITY
NORTHWEST**

3400 Broadway
Gary, IN 46805
(888)YOUR IUN
www.iun.edu

**INDIANA UNIVERSITY
SOUTH BEND**

1700 Mishawaka Avenue
South Bend, IN 46634-7111
877-462-4872
www.iusb.edu

IUPUI

425 University Boulevard
Indianapolis, IN 46202-5143
(317) 274-4591
www.enroll.iupui.edu

IPFW

2101 E Coliseum Boulevard East
Fort Wayne, IN 46805
260-481-6812
www.ipfw.edu

**INDIANA WESLEYAN
UNIVERSITY**

4201 South Washington Street
Marion, IN 46953-9980
866-468-6498
www.indwes.edu

**IVY TECH COMMUNITY
COLLEGE—CENTRAL
INDIANA**

50 W. Fall Creek Parkway N.
Indianapolis, IN 46208-4700
888-489-5463
www.ivytech.edu/indianapolis

**IVY TECH COMMUNITY
COLLEGE—NORTHWEST**

1440 East 35th Avenue
Gary, IN 46409-1499
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www.ivytech.edu/northwest

**INDIANA UNIVERSITY
NORTHWEST**

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SOUTH BEND**

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**IVY TECH COMMUNITY
COLLEGE—VALPARAISO**

2401 Valley Drive
Valparaiso, IN 46383-2520
219-464-8514
www.ivytech.edu/northwest

MANCHESTER UNIVERSITY

604 College Avenue
North Manchester, IN 46962
800-852-3648
www.manchester.edu

MARIAN UNIVERSITY

3200 Cold Spring Road
Indianapolis, IN 46222-1997
800-772-7264
www.marian.edu

MARTIN UNIVERSITY

2171 Avondale Place
Indianapolis, IN 46218-3867
317-543-3243
www.martin.edu

**MID-AMERICAN COLLEGE
OF FUNERAL SERVICE**

3111 Hamburg Pike
Jeffersonville, IN 47130
800-221-6158
www.mid-america.edu

OAKLAND CITY UNIVERSITY

138 North Lucretia Street
Oakland City, IN 47660-1099
800-737-5125
www.oak.edu

**PURDUE UNIVERSITY
COLLEGE OF
TECHNOLOGY—
INDIANAPOLIS**

2175 South Hoffman Road
Indianapolis, IN 46241-3650
317-484-1824

PURDUE UNIVERSITY

475 Stadium Mall Drive
West Lafayette, IN 47907-2050
765-494-1776
www.purdue.edu

**PURDUE UNIVERSITY
NORTHWEST**

2200 169th Street
Hammond, IN 46323-2094
www.purduecal.edu

**PURDUE UNIVERSITY
NORTHWEST**

1401 South US 421
Westville, IN 46391-9542
800-872-1231
www.pnc.edu

**PURDUE UNIVERSITY
BUILDING CONSTRUCTION
MANAGEMENT**

401 North Grant Street
West Lafayette, IN 47907-2021
765-496-1077
www.tech.purdue.edu/bcm

**ROSE-HULMAN INSTITUTE
OF TECHNOLOGY**

5500 Wabash Avenue
Terre Haute, IN 47803-3999
800-248-7448
www.rose-hulman.edu

**SAINT ELIZABETH SCHOOL
OF NURSING**

1508 Tippecanoe Street
Lafayette, IN 47904-2198
765-423-6400
www.steson.org

SAINT JOSEPH'S COLLEGE

PO Box 890
Rensselaer, IN 47978-0890
800-447-8781
www.saintjoe.edu

**SAINT MARY-OF-THE-
WOODS COLLEGE**

1 Saint Mary-of-the-Woods College
St. Mary-of-the-Woods, IN 47876-
0068
800-926-7692
www.smwc.edu

SAINT MARY'S COLLEGE

120 Le Mans
Notre Dame, IN 46556-5001
800-551-7621
www.saintmarys.edu

TAYLOR UNIVERSITY

236 West Reade Avenue
Upland, IN 46989-1001
765-998-5511
www.taylor.edu

TRINE UNIVERSITY

1 University Avenue
Angola, IN 46703-1764
800-347-4878
www.trine.edu

UNIVERSITY OF EVANSVILLE

1800 Lincoln Avenue
Evansville, IN 47722
800-423-8633
www.evansville.edu

**UNIVERSITY OF
INDIANAPOLIS**

1400 East Hanna Avenue
Indianapolis, IN 46227-3697
866-421-7173
www.uindy.edu

**UNIVERSITY OF NOTRE
DAME**

Undergraduate Admissions, 220
Main Building
Notre Dame, IN 46556-5602
574-631-7505
www.nd.edu

**UNIVERSITY OF SAINT
FRANCIS**

2701 Spring Street
Fort Wayne, IN 46808
260-399-8000
www.sf.edu

**UNIVERSITY OF SAINT
FRANCIS—CROWN POINT**

12800 Mississippi Parkway Pavilion
U
Crown Point, IN 46307
219-488-8888
www.sf.edu/crownpoint

**UNIVERSITY OF SOUTHERN
INDIANA**

8600 University Boulevard
Evansville, IN 47712
800-467-1965
www.usi.edu

VALPARAISO UNIVERSITY

1700 Chapel Drive
Valparaiso, IN 46383
888-468-2576
www.valpo.edu

VINCENNES UNIVERSITY

1002 North First Street
Vincennes, IN 47591
800-742-9198
www.vinu.edu

**VINCENNES UNIVERSITY
AVIATION TECHNOLOGY
CENTER—INDIANAPOLIS**

2175 South Hoffman Road
Indianapolis, IN 46241
317-381-6000
www.aviationtechcenter.com

**VINCENNES UNIVERSITY
JASPER**

850 College Avenue
Jasper, IN 47546-9393
800-809-8852
www.vinu.edu/jasper

WABASH COLLEGE

P.O. Box 352
Crawfordsville, IN 47933-0352
800-345-5385
www.wabash.edu

HOBART HIGH SCHOOL

Mission Slogan

We believe that it is possible for all students to be successful in high school, and we are committed to preparing students for life in the real world. Without a doubt, it will take dedication, and the belief that anything can be accomplished– MISSION POSSIBLE!

**MISSION
POSSIBLE!**



HOBART HIGH SCHOOL CAREER MAJORS AND CLUSTER AREAS

School of Human Services

1. Education & Training
2. Government & Public Administration
3. Hospitality & Tourism
4. Human Services
5. Law, Public Safety, Corrections & Security

School of Communication and Fine Arts

1. Arts, A/V Technology & Communication

School of Health and Natural Sciences

1. Agriculture, Food & Natural Resources
2. Health Science

School of Business Services and Information Technology

1. Business Management & Administration
2. Finance
3. Information Technology
4. Marketing

School of Engineering and Industrial Technology

1. Architecture & Construction
2. Manufacturing
3. Science, Technology, Engineering & Mathematics
4. Transportation, Distribution & Logistics

CHECK OUT THE SPECIFIC PATHWAY CHARTS FOR THE OCCUPATIONS LISTED BELOW.

These charts map out your four years at HHS as well as give a glimpse of the post-secondary requirements. See your Guidance Counselor for more information.

Accounting
 Architect
 Athletic Trainer
 Automotive Technology
 Aviation Flight Technology
 Biology
 Computer Science
 Construction
 Counselor
 Criminal Justice
 Dental Assistant
 Dental Hygienist
 Dietician

Early Childhood Education
 Economics
 Engineering
 Firefighter
 Graphic Designer
 Hospitality and Tourism
 HVAC
 Journalist
 Law Enforcement
 Licensed Practical Nurse
 Management
 Marketing
 Mass Communication

Pharmacy
 Physical Therapist
 Physical Therapy Assistant
 Physician
 Psychology
 Radiography
 Registered Nurse
 Social Worker
 Sports Broadcaster
 Teacher
 Veterinarian
 Web Page Designer
 Welding

School of

Communication & Fine Arts

Journalism,
Media &
Telecommunications

Visual Arts

Performing Arts

Instrumental Music

Vocal Music

Theatre



CAREER PATHWAY GUIDE & COURSE DESCRIPTIONS

HOBART HIGH SCHOOL

- requirements
- occupations
- electives



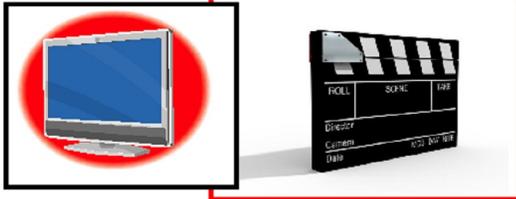
School of Communication and Fine Arts



Requirements for Core 40							Standardized Testing by Grade	Honors Diploma Requirements
GRADE	English/ Language Arts	Math	Social Studies	Science	Required/ Suggested Courses			
HIGH SCHOOL	9	English 9 Eng. 9 Hrs	Algebra I		Biology I	PE Health	PSAT 9 Science ISTEP	ACADEMIC HONORS DIPLOMA REQUIREMENTS: For the Academic Honors diploma, students must: *Earn 2 additional Core 40 math credits. *Earn 6-8 world language credits *Earn 2 fine arts credits. *Earn a grade of a "C" or better in courses that 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 AP exams B. Earn 6 transcribed college credits from priority list C. Earn the following: -A minimum of 3 verifiable transcribed college credits from the priority course list -2 credits in AP courses and corresponding AP exams, D. Earn a combined score of 1750 or higher on the SAT and a minimum score of 530 on each. E. Earn an ACT composite score of 26 + and complete written section.
	10	English 10 Eng 10 Hrs	Geometry	World History	ICP Chemistry Chemistry Hrs	World Language	PSAT 10 English and Math ISTEP	
	11	English 11 AP English 11	Algebra II Algebra II Hrs	US History AP US History	AP Chemistry Physics Hrs Env Science	World Language	PSAT/NMSQT	
	12	Senior Comp AP English 12	Quantitative Reasoning Course	Government Economics	AP Biology Anat & Phys	World Language	SAT	
Sample Occupations in this Field				Porter County Career Center				
Actor Audio-Video Designer and Engineer Broadcast Technician Commercial Artist Computer Animator Curator/Gallery Manager Director and Coach Fashion Designer				Journalist Lithographer Musician Printing Equipment Operator Telecommunication Technician Videographer Web Page Designer				
Suggested Electives in the School of Communication and Fine Arts:								
Introduction to 2-D Art (1 sem), Introduction to 3-D Art (1 sem), Ceramics I (2 sem), Drawing and Painting (2 sem), Advanced 2-D Art/3-D Art (2 sem), AP Art (2 sem), Guitar (1 sem), Intermediate Guitar (1 sem), Music History Appreciation (1 sem), Intermediate Choir (2 sem), Advanced Choir (2 sem), Intermediate Band (2 sem), Music Theory & Composition (1 sem), Advanced Concert Band (2 sem), Speech (1 sem), Advanced Speech (1 sem), Student Media Newspaper (2 sem), Student Media Yearbook (2 sem), Creative Writing (1 sem), Theatre Arts (2 sem), Technical Theatre (1 sem), Advanced Acting (1 sem), Theatre Arts: Directing (1 sem), Radio & TV Announcements (2 sem), ROTC (2 sem), World Language I-IV (2 sem), Passport to Culture (1 sem)								
TECHNICAL HONORS DIPLOMA REQUIREMENTS: For the Core 40 with Technical Honors diploma, students must: *Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following: --Pathway designated industry-based certification or credential, --Pathway dual credits from the lists of priority courses resulting in 6 transcribed college credits *Earn a grade of "C" or better in courses that 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 - E) of the Core 40 with Academic Honors B. Earn at least the following scores 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.								

START THINKING ABOUT CAREERS!

Video Production & Media Studies



Career Opportunities

News Anchor
Editor
Director / Producer

Average Wages

News Anchor
\$36,000

Editor
\$51,470

Director/Producer
\$68,440

Schooling / License

News Anchor

Employers generally prefer workers who have a bachelor's degree in journalism or communications and have experience from an internship or from working on a college newspaper

Editor

Employers generally prefer candidates with a bachelor's degree in communications, journalism, or English.

Director / Producer

There are no formal training programs for producers or film directors, but most earn a bachelor's degree in writing, acting, journalism, or communication while in college. Some producers earn a degree in business, arts management, or nonprofit management.

Job Outlook

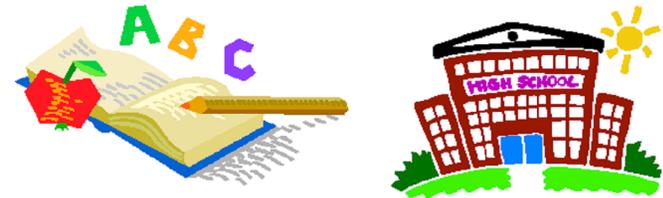
Employment of Editors is expected to experience little or no change through 2020.

Employment of Directors/Producers is expected to grow as fast as the average through 2020.

★ Did you know that HHS offers Journalism, Publications, Radio, and Television Courses?

In addition, Porter County Career Center has a Video Production / Media Studies Program! ★

Education



Career Opportunities

Teacher
Principal
Instructional Aides
Counselor

Wages

Teacher
Average Salary-
\$33,470

Principal
Average Salary-
\$86,950

Instructional Aide
Average Salary-
\$23,220

Counselor
Average Salary-
\$53,380

Schooling / Training

Teacher

Bachelor's degree in education needed. Additionally, must pass the state licensing exam

Principal

Master's degree in Educational Administration as well as passing state licensing exam.

Instructional Aides

Requirements vary by district. Some require a high school diploma- others require 2 years of college or an associate's degree

Counselor

Master's degree in school counseling or a related field along with passing the state licensing exam.

Anyone considering the field of Education must truly enjoy working with kids.

Job Outlook

Employment in the field of education is expected to grow much faster than the average from 2010-2020.

★ ★ ★ ★ ★ Interested in working with kids? Sign up to work in our Brickie Kids Preschool for PCCC or become a Cadet Teacher!

Construction
& Maintenance

Transportation

Engineering &
Applied Technologies

PLTW
Pre-Engineering



CAREER PATHWAY GUIDE & COURSE DESCRIPTIONS

HOBART HIGH SCHOOL

- requirements
- occupations
- electives



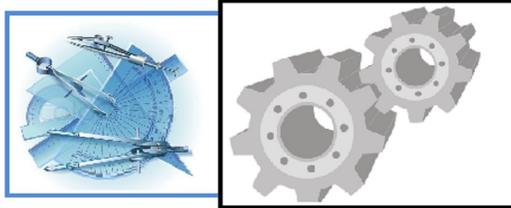
School of Engineering and Industrial Technology



Requirements for Core 40							Standardized Testing by Grade	Honors Diploma Requirements
GRADE	English/ Language Arts	Math	Social Studies	Science	Required/ Suggested Courses			
HIGH SCHOOL	9	English 9 Eng. 9 Hrs	Algebra I		Biology I	PE Health	PSAT 9 Science ISTEP	ACADEMIC HONORS DIPLOMA REQUIREMENTS: For the Academic Honors diploma, students must: *Earn 2 additional Core 40 math credits. *Earn 6-8 world language credits *Earn 2 fine arts credits. *Earn a grade of a "C" or better in courses that 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 AP exams B. Earn 6 transcribed college credits from priority list C. Earn the following: -A minimum of 3 verifiable transcribed college credits from the priority course list -2 credits in AP courses and corresponding AP exams, D. Earn a combined score of 1750 or higher on the SAT and a minimum score of 530 on each. E. Earn an ACT composite score of 26 + and complete written section. TECHNICAL HONORS DIPLOMA REQUIREMENTS: For the Core 40 with Technical Honors diploma, students must: *Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following: --Pathway designated industry-based certification or credential, --Pathway dual credits from the lists of priority courses resulting in 6 transcribed college credits *Earn a grade of "C" or better in courses that 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 - E) of the Core 40 with Academic Honors B. Earn at least the following scores 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.
	10	English 10 Eng 10 Hrs	Geometry	World History	ICP Chemistry Chemistry Hrs	World Language	PSAT 10 English and Math ISTEP	
	11	English 11 AP English 11	Algebra II Algebra II Hrs	US History AP US History	AP Chemistry Physics Hrs Env Science AP Biology Anat & Phys	World Language	PSAT/NMSQT	
	12	Senior Comp AP English 12	Quantitative Reasoning Course	Government Economics		Suggested Elective	SAT	
Sample Occupations in this Field				Porter County Career Center				
Construction Worker Mechanic Mill Worker Welder Carpenter CAD Operator Plumber Machinist Surveyor Building Inspector		Pilot Builder Air Traffic Controller Auto Service Manager- Robotics Engineer: Civil, Mechanical, Chemical,Electrical Graphic Designer CAD Designer Computer Programmer		*CISCO *Computer Aided Drafting and Design *Electronic and Computer Technology *Industrial Mechanics *Modern Machining Technology *Welding Technology *Auto Technology *Construction Technology *Diesel Technology				
Suggested Electives in the School of Engineering and Industrial Technology: PLTW Introduction to Engineering Design (2 sem), PLTW Principles of Engineering (2 sem), PLTW Digital Electronics (2 sem), PLTW Civil Engineering & Architecture (2 sem), PLTW Computer Integrated Manufacturing (2 sem), PLTW Engineering Design and Development (2 sem), CAD (1 sem), Intro to Networks (2 sem), Computer Tech Support (2 sem), AP Computer Science Principles (2 sem), ROTC (2 sem), World Language I-V (2 sem), Radio & TV Announcements (2 sem)								

START THINKING ABOUT CAREERS!

Engineering



Career Opportunities

Civil Engineer
Mechanical Engineer
Industrial Engineer
Electrical Engineer

(There are numerous other areas of engineering to explore)

Do you like solving technical problems? Are you good at science and math? You might consider becoming an engineer. Engineers are problem solvers who use their expertise in science and math to do their job.

Average Wages

Civil Engineer
\$77,560

Mechanical Engineer
\$83,120

Industrial Engineer
\$76,100

Electrical Engineer
\$87,180

Schooling / License

Bachelor's Degree in desired area of Engineering.

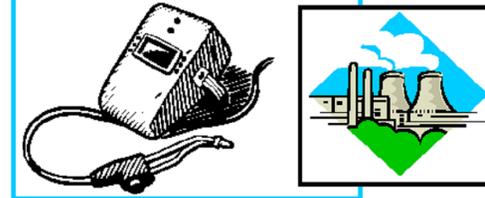
Engineers who offer their services directly to the public must be licensed. To become licensed, one must have a degree from a program that is accredited by the Accreditation Board for Engineering and Technology (ABET), four years of relevant work experience, and successful completion of a state examination.

Job Outlook

In general, engineering employment is expected to grow about as fast as the average for all occupations through 2018, although outlook will vary by branch.

HOBART HIGH SCHOOL offers Project Lead the Way Pre-Engineering Courses.

Industrial Mechanics



Career Opportunities

Millwright
Welder

Millwright

Millwrights install, dismantle, repair, reassemble, and move machinery in factories, power plants, and construction sites

Welders

Welders, cutters, solderers, and brazers weld or join metal parts. They also fill holes, indentions, or seams of metal products, using hand-held welding equipment.

Schooling / License

Millwright

Millwrights typically go through a formal apprenticeship program that lasts about 4 years. Programs are usually a combination of technical instruction and on-the-job training. Others learn their trade through a 2-year associate's degree program in industrial maintenance. A high school diploma or equivalent is the typical education needed to become a millwright.

Welders

Training ranges from a few weeks of school or on-the-job training for low-skilled positions to several years of combined school and on-the-job training for highly skilled jobs.

Job Outlook

Millwrights
Employment of millwrights is expected to decline 5 percent from 2010 to 2020. Despite declining employment, job opportunities should be good for those with a broad set of skills in machine maintenance.

SALARY

Millwright
\$48,360

Welder
\$35,450

Jump start your career in high school by taking Industrial Mechanics at PCCC!

Job Outlook

Welder
Employment of welders is expected to grow 15 percent from 2010 to 2020, about as fast as the average for all occupations.

School of

Business Services & Informational Technology

Marketing
& Management

Office
Technologies

Accounting

Information
Technology

Cisco Networking



CAREER PATHWAY GUIDE & COURSE DESCRIPTIONS

HOBART HIGH SCHOOL

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School of Business Services & Informational Technology



Requirements for Core 40							Standardized Testing by Grade	Honors Diploma Requirements
HIGH SCHOOL	GRADE	English/ Language Arts	Math	Social Studies	Science	Required/ Suggested Courses		
	9	English 9 Eng. 9 Hrs	Algebra I		Biology I	PE Health	PSAT 9 Science ISTEP	<p>ACADEMIC HONORS DIPLOMA REQUIREMENTS: For the Academic Honors diploma, students must:</p> <ul style="list-style-type: none"> *Earn 2 additional Core 40 math credits. *Earn 6-8 world language credits *Earn 2 fine arts credits. *Earn a grade of a "C" or better in courses that count toward the diploma. *Have a grade point average of a "B" or better. <p>Complete one of the following:</p> <ul style="list-style-type: none"> A. Earn 4 credits in 2 or more AP courses and take AP exams B. Earn 6 transcribed college credits from priority list C. Earn the following: <ul style="list-style-type: none"> -A minimum of 3 verifiable transcribed college credits from the priority course list -2 credits in AP courses and corresponding AP exams, D. Earn a combined score of 1750 or higher on the SAT and a minimum score of 530 on each. E. Earn an ACT composite score of 26 + and complete written section. <p>TECHNICAL HONORS DIPLOMA REQUIREMENTS: For the Core 40 with Technical Honors diploma, students must:</p> <ul style="list-style-type: none"> *Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following: <ul style="list-style-type: none"> --Pathway designated industry-based certification or credential, --Pathway dual credits from the lists of priority courses resulting in 6 transcribed college credits *Earn a grade of "C" or better in courses that count toward the diploma. *Have a grade point average of a "B" or better. *Complete one of the following, <ul style="list-style-type: none"> A. Any one of the options (A - E) of the Core 40 with Academic Honors B. Earn at least the following scores 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.
	10	English 10 Eng 10 Hrs	Geometry	World History	ICP Chemistry Chemistry Hrs	World Language	PSAT 10 English and Math ISTEP	
	11	English 11 AP English 11	Algebra II Algebra II Hrs	US History AP US History	AP Chemistry Physics Hrs Env Science	World Language	PSAT/NMSQT	
	12	Senior Comp AP English 12	Quantitative Reasoning Course	Government Economics	AP Biology Anat & Phys	World Language	SAT	
Sample Occupations in this Field				Porter County Career Center				
Certified CISCO Professional Business Owner Real Estate Broker Sales Person Manager Entrepreneur Travel Agent Advertising Director Loan Officer		Accountant Loan Officer Legal Secretary Administrative Assistant Auditor Computer Programmer Actuary Network Engineer Computer Tech		<ul style="list-style-type: none"> *Printing *Sports and Entertainment *Marketing/Ownership *Video Production and Media Services *CISCO *Computer Aided Drafting & Animation *Electronics & Computer Technology 				
Suggested Electives in the School of Business Services and Informational Technology:								
<p>Intro to Business (2 sem), Business Law & Ethics (1 sem), Marketing in Hospitality & Tourism (2 sem), Sports & Entertainment Marketing (2 sem), Marketing Management Seminar (2 sem), Strategic Marketing & Business Cooperative Experience (6 credits), CAD (1 sem), Intro to Networking (2 sem.), Computer Tech Support (2 sem), Personal Financial Responsibility (1 sem), Entrepreneurship (1 sem), ROTC (2 sem), World Language I-V (2 sem)</p>								

START THINKING ABOUT CAREERS!

Computer Technology



Career Opportunities

Computer Support Specialist
Telecommunication Installers/ Repairers
Network System Administrators

Average Wages

Computer Support Specialist
\$46,250

Telecommunication Installers / Repairers
\$54,710

Network System Administrator
\$60,160

Job Outlook

Employment in the field of Computer Technology is expected to grow slightly faster than the average for all occupations through 2020.

Schooling / License

Computer Support Specialist

Bachelor's degree is required for some computer support specialist positions, but an associate's degree or postsecondary classes may be enough for others. After being hired, many workers enter a training program that lasts for several months.

Telecommunication Installers / Repairers

Certificate or 2-year associate's degree program in electronics repair, computer science, or related subjects. Equipment and software manufacturers also offer educational and training programs on specific products.

Network System Administrator

Bachelor's degree in fields related to computer or information science is most common. However, because administrators work with computer hardware and equipment, a degree in computer engineering or electrical engineering usually is acceptable as well.



Sign up for The CISCO Networking Academy through Porter County!

Auto Technology



Career Opportunities

Mechanic
Automotive Engineer

Mechanic

Automotive service technicians and mechanics, often called *service technicians* or *service techs*, inspect, maintain, and repair cars and light trucks.

Automotive Engineer

Automotive engineers design cars, systems and mechanisms. These professionals ensure that automotive designs and systems conform to budgeted quality and cost specifications.

Schooling / License

Mechanic

*High school diploma or equivalent needed

*Completing a vocational or other postsecondary training program in automotive service technology is the best preparation for entry-level positions.

*Certification from the National Institute for Automotive Service Excellence is the standard credential for service technicians. Certification demonstrates competence and usually brings higher pay. Many employers require their service technicians to become certified.

Automotive Engineer

*Due to the fact that few colleges offer programs in automotive engineering- those planning to go into the field should earn their bachelor's degree in mechanical engineering.

Job Outlook

Mechanic
expected to grow 17 percent from 2010 to 2020, about as fast as the average for all occupations.

AVERAGE SALARY

Mechanic
\$35,790

Automotive Engineer
\$91,470

Job Outlook

Automotive Engineer
expected to decline by almost 10 percent due to increased productivity and automation in the automotive industry.

Natural Science
& Mathematics

Medicine &
Medical Technology

Nursing &
Human Care

Agricultural Science

PLTW
Biomedical Sciences



CAREER PATHWAY GUIDE & COURSE DESCRIPTIONS

HOBART HIGH SCHOOL

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School of Health and Natural Sciences



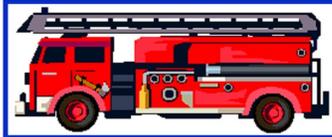
Requirements for Core 40						Standardized Testing by Grade	Honors Diploma Requirements
GRADE	English/ Language Arts	Math	Social Studies	Science	Required/ Suggested Courses		
HIGH SCHOOL	9	English 9 Eng. 9 Hrs	Algebra I		Biology I	PE Health	PSAT 9 Science ISTEP
	10	English 10 Eng 10 Hrs	Geometry	World History	ICP Chemistry Chemistry Hrs	World Language	PSAT 10 English and Math ISTEP
	11	English 11 AP English 11	Algebra II Algebra II Hrs	US History AP US History	AP Chemistry Physics Hrs Env Science	World Language	PSAT/NMSQT
	12	Senior Comp AP English 12	Quantitative Reasoning Course	Government Economics	AP Biology Anat & Phys	Suggested Elective	SAT
Sample Occupations in this Field				Porter County Career Center			
		Chemist Biologist Dentist Physician Veterinarian Sports Medicine Therapist Pharmacist Registered Nurse Therapist	Pharmacy Tech EMT Dental Hygienist Vet Tech Ultrasound Tech Florist Landscape Design Forestry Medical Assistant	*Dental Health *Emergency Rescue Technology Academy *Sports Medicine *Medical Terminology / Anatomy *Health Careers *Health Occupations *Horticultural Science			
<p>Suggested Electives in the School of Health and Natural Sciences: PLTW Biomedical Sciences (2 sem), PLTW Human Body Systems (2 sem), PLTW Medical Intervention (2 sem), PLTW Biomedical Innovation (2 sem), Medical Terminology (1 sem), AP Chemistry (2 sem), AP Biology (2 sem), Team Sports (1-2 sem), Strength and Cardio Fitness (1-2 sem), Conditioning and Training (1-2 sem), ROTC (2 sem), World Language I-V (2 sem), Physics I (2 sem), Honors Anatomy & Physiology (2 sem)</p>							

ACADEMIC HONORS DIPLOMA REQUIREMENTS:
 For the Academic Honors diploma, students must:
 *Earn 2 additional Core 40 math credits.
 *Earn 6-8 world language credits
 *Earn 2 fine arts credits.
 *Earn a grade of a "C" or better in courses that 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 AP exams
 B. Earn 6 transcribed college credits from priority list
 C. Earn the following:
 -A minimum of 3 verifiable transcribed college credits from the priority course list
 -2 credits in AP courses and corresponding AP exams,
 D. Earn a combined score of 1750 or higher on the SAT and a minimum score of 530 on each.
 E. Earn an ACT composite score of 26 + and complete written section.

TECHNICAL HONORS DIPLOMA REQUIREMENTS:
 For the Core 40 with Technical Honors diploma, students must:
 *Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following:
 --Pathway designated industry-based certification or credential,
 --Pathway dual credits from the lists of priority courses resulting in 6 transcribed college credits
 *Earn a grade of "C" or better in courses that 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 - E) of the Core 40 with Academic Honors
 B. Earn at least the following scores 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.

START THINKING ABOUT CAREERS!

Emergency Rescue Technology Academy



Career Opportunities

**EMT
Paramedic
Fire Fighter**

EMT / Paramedic
Emergency medical technicians (EMTs) and paramedics care for the sick or injured in emergency medical settings. EMTs and paramedics respond to emergency calls, performing medical services and transporting patients to medical facilities.

Fire Fighter
Firefighters protect the public by responding to fires and other emergencies. They are frequently the first emergency personnel on the scene of an accident.

Schooling / License

EMT / Paramedic
High School Diploma & CPR Certification needed to enter program
Formal training is offered by technical institutes, community colleges, and facilities that specialize in emergency care training.
EMT 100 hours of training needed / Paramedics 1,300 hours needed.

Fire Fighter
Firefighters typically enter the occupation with a postsecondary non-degree award in fire science or a related discipline. In many jurisdictions, however, the entry-level education needed to become a firefighter is a high school diploma or equivalent. Most firefighters also must pass written and physical tests, complete a series of interviews, and hold an emergency medical technician (EMT) certification. All firefighters receive extensive training after being hired.

Job Outlook
EMT / Paramedic
expected to grow 33 percent from 2010 to 2020, faster than the average for all occupations.

SALARY
EMT / Paramedic
\$30,360

Fire Fighter
\$45,250

Job Outlook
Fire Fighter
expected to grow 9 percent from 2010 to 2020, slower than the average for all occupations.

Biomedical Science



Career Opportunities **Registered Nurse Physician / Surgeon**

Wages
Registered Nurse
Average Salary-
\$64,690

Physician / Surgeon
Average Salary-
\$166,400 +

Job Outlook
Employment of Registered Nurses and Physicians is expected to grow more than 26% from 2010-2020, faster than the average for all occupations.

Schooling / Training

Registered Nurse
Bachelor's of science degree in nursing (BSN) - 4 year degree program

Physicians / Surgeons
Physicians and surgeons have demanding education and training requirements. Almost all physicians complete at least 4 years of undergraduate school, 4 years of medical school, and 3 to 5 years in internship and residency programs, depending on their specialty.

Two Types of Physicians:

1. M.D.
(Medical Doctor)
2. D.O.
(Doctor of Osteopathic Medicine).

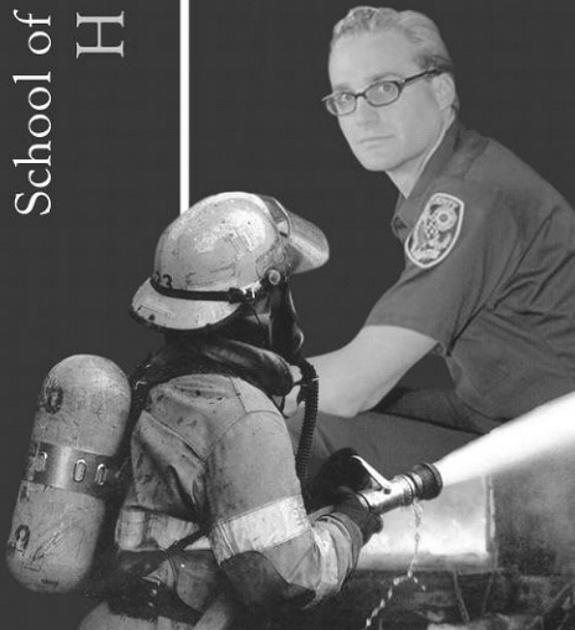
Both types of physicians use the same methods of treatment, including drugs and surgery, but D.O.s place additional emphasis on the body's musculoskeletal system, preventive medicine, and holistic (whole person) patient care.

 PROJECT LEAD THE WAY
PLTW
Igniting imagination and innovation through learning.
Learn about the medical field
by taking PLTW Biomed courses

Public Safety
& Protective
Services

Educational &
Social Services

Hospitality
Marketing



CAREER PATHWAY GUIDE & COURSE DESCRIPTIONS

HOBART HIGH SCHOOL

- requirements
- occupations
- electives



School of Human Services



Requirements for Core 40							Standardized Testing by Grade	Honors Diploma Requirements
GRADE	English/ Language Arts	Math	Social Studies	Science	Required/ Suggested Courses			
HIGH SCHOOL	9	English 9 Eng. 9 Hrs	Algebra I		Biology I	PE Health	PSAT 9 Science ISTEP	ACADEMIC HONORS DIPLOMA REQUIREMENTS: For the Academic Honors diploma, students must: *Earn 2 additional Core 40 math credits. *Earn 6-8 world language credits *Earn 2 fine arts credits. *Earn a grade of a "C" or better in courses that 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 AP exams B. Earn 6 transcribed college credits from priority list C. Earn the following: -A minimum of 3 verifiable transcribed college credits from the priority course list -2 credits in AP courses and corresponding AP exams, D. Earn a combined score of 1750 or higher on the SAT and a minimum score of 530 on each. E. Earn an ACT composite score of 26 + and complete written section. TECHNICAL HONORS DIPLOMA REQUIREMENTS: For the Core 40 with Technical Honors diploma, students must: *Earn 6 credits in the college and career preparation courses in a state-approved College & Career Pathway and one of the following: --Pathway designated industry-based certification or credential, --Pathway dual credits from the lists of priority courses resulting in 6 transcribed college credits *Earn a grade of "C" or better in courses that 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 - E) of the Core 40 with Academic Honors B. Earn at least the following scores 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.
	10	English 10 Eng 10 Hrs	Geometry	World History	ICP Chemistry Chemistry Hrs	World Language	PSAT 10 English and Math ISTEP	
	11	English 11 AP English 11	Algebra II Algebra II Hrs	US History AP US History	AP Chemistry Physics Hrs Env Science	World Language	PSAT/NMSQT	
	12	Senior Comp AP English 12	Quantitative Reasoning Course	Government Economics	AP Biology Anat & Phys	Suggested Elective	SAT	
Sample Occupations in this Field				Porter County Career Center				
Buyer		Licensed Professional		*Cosmetology				
Community Service		Counselor		*Culinary Science				
Director		Market Researcher		*Education and Early Childhood				
Consumer Advocate		Massage Therapist		*Criminal Justice				
Cosmetologist		Personal Fitness Trainer		*Criminal Investigations				
Director of Childcare		School						
Facility		Counselor/Psychologist						
Emergency and Relief		Small Business Owner						
Worker		Social Worker						
Esthetician		Teacher						
Funeral Director								
Suggested Electives in the School of Human Services: Psychology I (1 sem), Psychology II (1 sem), Sociology (1 sem), AP Psychology (2 sem), Current Events, Problems & Issues (1 sem), Cadet Teaching (1-2 sem), Education Seminar (1 sem), Criminal Justice I (2 sem), Criminal Justice II (2 sem), Speech (1 sem), Advanced Speech and Communication (1 sem), Passport to Culture (1 sem), Team Sports (1-2 sem), Strength and Cardio (1-2 sem), ROTC (2 sem), World Language I-V (2 sem), AP European History (2 sem)								

START THINKING ABOUT CAREERS!

Cosmetology



Career Opportunities

Hair Stylist
 Make-Up Artist
 Beauty School Instructor
 Salon Owner
 Nail Technician

Indiana Wages

The average income for a salon professional in Indiana ranges from \$30,000-\$50,000 per year.

Cosmetologists provide hair styling and beauty services.

Important Qualities
 Creativity
 Customer Service Skills
 Listening Skills
 Stamina
 Time Management Skills

Job Outlook

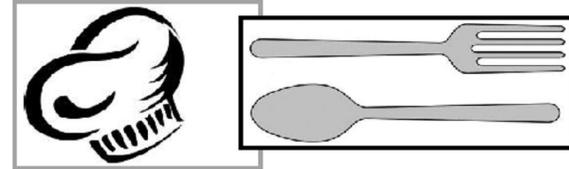
Overall employment of barbers, hairdressers, and cosmetologists is expected to grow 14 percent from 2010 to 2020.

Schooling / License

All states require cosmetologists to be licensed. Must have a high school diploma or equivalent. Must attend and graduated from a state-licensed barber or cosmetology school. Pass the Indiana State Beauty Board Examination

If you are interested in pursuing a career in Cosmetology, consider signing up for the Porter County Career Center's Cosmetology Program. It is a two year program beginning in July of your junior year. Students who complete this program are eligible to take the Indiana State Beauty Board Examination.

Culinary Science



Career Opportunities

Caterer
 Executive Chef
 Restaurant Manager
 Personal Chef
 Cook

Indiana Wages
 H.S. + Career & Technical Education Graduate-
 \$7.00- \$9.00 / hr.

Additional Technical Training-
 \$ 25.00- \$50.00/ hr

Chefs and head cooks oversee the daily food preparation at restaurants or other places where food is served. They direct kitchen staff and handle any food-related concerns.

Job Outlook
 Employment of chefs and head cooks is projected to experience little or no change from 2010 to 2020.

Schooling / License

Must have a high school diploma or equivalent.

Most chefs acquire their skills through work experience; however, many receive formal training at a community college, technical school, culinary arts school, or a 4-year college.

Work Schedules

Most chefs work full time, including early mornings, late evenings, weekends, and holidays. Many executive chefs regularly work 12-hour days because they oversee the delivery of food supplies early in the day and use the afternoon to plan the menu and prepare any special items for dishes.

INFORMATION REGARDING WEIGHTED COURSES

2017-2018

Hobart High School offers classes at an advanced level in several disciplines. Classes are listed as Honors or AP and require outside preparation above that of the normal level of instruction. Students must demonstrate advanced skill or ability within the subject area. Students must sign a contract when taking a course designated as Advanced Placement.

*Transfer grades are based on the HHS Honors curriculum. Weighted transfer credit is only given to comparable courses available at HHS

The following courses at Hobart High School receive weighted credit:

AP Literature & Composition	German IV
AP Language & Composition	French IV
Honors Geometry (if take	French V
Honors Algebra II	PLTW Medical Interventions
Honors Pre-Calculus	PLTW Biomedical Innovations
Honors Trigonometry	PLTW Digital Electronics
AP Calculus AB	PLTW Civil Engineering & Architecture
AP Chemistry	PLTW Engineering Design & Development
Honors Physics	PLTW Computer Integrated Manufacturing
AP Biology	AP Computer Science Principles
Honors Anatomy & Physiology	AP Studio Art (2-D or 3-D)
AP US History	Honors Advanced 2-D or 3-D Art (Course can be repeated for credit; however, weighted points will only be given for the first time the course is taken)
AP Psychology	
AP European History	
AP Government	
AP Macroeconomics	
Spanish IV	
Spanish V	

COURSE DESCRIPTIONS

BUSINESS DEPARTMENT

70189 - Introduction to Business (CAN BE TAKEN FOR COLLEGE CREDIT)

Grades 9-12 2 semesters

Introduction to Business introduces students to the world of business, including the concepts, functions, and skills required for meeting the challenges of operating a business in the twenty-first century on a local, national, and/or international scale. 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.

70171 - Marketing in Hospitality and Tourism

Grades 11-12 2 semesters

This is a specialized marketing course offered to students to introduce the concepts used in marketing of hospitality and tourism. Authentic community industry experiences will be applied to classroom instruction in marketing-information management, pricing, product/service management, promotion, & selling in hospitality, travel & tourism industry. *Students are encouraged to join DECA.*

70173 - Sports & Entertainment Marketing

Grades 9-12 2 semesters

Sports and Entertainment Marketing is a specialized marketing course that develops student understanding of the sport/event industries, their economic impact, and products; distribution systems and strategies; pricing considerations; product/service management, and promotion. Students acquire an understanding and appreciation for planning. Throughout the course, students are presented problem-solving situations for which they must apply academic and critical-thinking skills. Participation in cooperative education is an optional instructional method, giving students the opportunity to apply newly acquired marketing skills in the workplace. *Students are encouraged to join DECA.*

70175 - Principles of Marketing (CAN BE TAKEN FOR COLLEGE CREDIT)

Grades 9-12 2 semesters

Marketing Foundations will provide a basic introduction to the scope & importance of marketing in the global economy. This course is based upon the Marketing Education Framework which includes business, management, & entrepreneurship; communication & interpersonal skills; economics; & professional development foundations. Emphasis will be placed on oral & written communications, mathematic applications, problem solving, & critical thinking skills as they relate to distribution, financing, marketing-information management, pricing, product/service management, promotion & selling. *Students are encouraged to join DECA.*

70182 - Strategic Marketing (CAN BE TAKEN FOR COLLEGE CREDIT)

Grade 12 2 semesters

Strategic Marketing builds upon the foundations of marketing and applies the functions of marketing at an advanced level. Students will study the basic principles of consumer behavior and examine the application of theories from psychology, social psychology and economics. The relationship between consumer behavior and marketing activities will be reviewed. This course provides opportunities for students to gain skills and knowledge through on-the-job training and related classroom instruction. Time allocations are a minimum of 15 hours per week of work-based learning and approximately five hours per week of school-based instruction. Students participating in these structured experiences will follow class, school, state and Federal guidelines. Students will be paid in accordance with all State and Federal laws pertaining to employment.

70190- Personal Financial Responsibility (CAN BE TAKEN FOR COLLEGE CREDIT)

Grades 9-12 1 semester

Personal Financial Responsibility addresses the identification and management of personal financial resources to meet the financial needs and wants of individuals and families, considering a broad range of economic, social, cultural, technological, environmental, and maintenance factors. This course helps students build skills in financial responsibility and decision making; analyze personal standards, needs, wants, and goals; identify sources of income, saving and investing; understanding banking, budgeting, record-keeping and managing risk, insurance and credit card debt. A project based approach and applications through authentic settings such as work based observations and service learning experiences are appropriate. Direct, concrete applications of mathematics proficiencies in projects are encouraged.

5962-Merchandising

Grades 11-12 2 semesters

Merchandising is a specialized marketing course providing instruction of marketing practices that support the sale of products to retail consumers. Emphasis is placed on oral and written communications, problem solving and critical thinking skills as they relate to product design, selling, pricing, distribution, retail promotion, visual merchandising, retail cycles, retail theories, and career opportunities in the retail industry. This course can focus on a specific retail sector, such as fashion, sporting good, or electronics.

4524—Introduction to Accounting**Grades 10-12 2 semesters**

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

70177—Entrepreneurship and New Ventures Capstone**Grades 11-12 2 semesters**

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

70178—Food Science**Grades 10-12 2 semesters**

Food Science provides students with an overview of food science and its importance. Introduction to principles of food processing, food chemistry and physics, nutrition, food microbiology, preservation, packaging and labeling, food commodities, food regulations, issues and careers in the food science industry help students understand the role that food science plays in securing a safe, nutritious and adequate food supply. A project-based approach is utilized along with laboratory, team building and problem solving activities to enhance student learning, leadership development, supervised agricultural experience and career opportunities in the area of food science.

5624—Administrative and Office Management**Grades 10-12 2 semesters**

Administrative and Office Management prepares students to plan, organize, direct, and control the functions and processes of a firm or organization and to perform business-related functions. Students are provided opportunities to develop attitudes and apply skills and knowledge in the areas of business administration, management, and finance. Individual experiences will be based upon the student’s career and educational goals.

ENGINEERING/TECHNOLOGY EDUCATION

5640 – Computer Aided Design and Animation (CAD) (CAN BE TAKEN FOR COLLEGE CREDIT)**Grades 9-12 1 semester**

If you’re interested in Architecture, Mechanical Design or Animation, then this course will help prepare you for a future career. Whether your interest is designing a concept car, creating a video game, or constructing a dream home, CAD designers are needed. Students will make detailed drawings, part models and animations to show exact dimensions and specifications of a project. While using state of the art software for these designs, students will earn college credit. Whether your desire is to work immediately after high school, or work while you’re in college, this program will help you accomplish this goal. **Students will take a certification test to become industry certified in the software.

5986- Radio and Television I**Grades 9 - 12 2 semesters**

Radio and Television I focuses on communication, media and production. Students will learn the basics of camera operation, studio production, cinematography and postproduction. Students will acquire professional-level software skills, as well as learning to use professional video equipment. In addition to individual projects, students will rotate through all the jobs necessary in creating a weekly television news program. Students will receive a portfolio DVD at the conclusion of this course.

5992 - Radio and Television II**Grades 10-12 2 semesters**

Radio and Television II prepares students for admission to television programs at institutions of higher learning. Students will learn to refine the skills acquired during Radio and Television I. Students will train on professional-grade equipment producing a variety of video projects, as well as learning special-effects techniques including, motion graphics, green screen and color correction. Students will receive a master DVD containing their video portfolio and their demo reel which can be submitted to employers during a resume interview.

Project Lead the Way Courses (STEM COURSES)

This is a four-year sequence of courses which, when combined with traditional mathematics & science courses in high school, introduces students to the scope, rigor & discipline of engineering prior to entering college.

70492 - Introduction to Engineering Design (CAN BE TAKEN FOR COLLEGE CREDIT)	Grades 9-12	2 semesters
Provides students with opportunities to apply creative thinking, decision-making & problem solving skills to develop solutions to design problems. It utilizes powerful computer hardware & software to develop 3-D models or solid renderings of objects. Students will learn the product design process & how a model of that product is created, analyzed, rendered & produced. Various applications of the product design process will be discussed along with possible career opportunities.		
4801 - AP Computer Science Principles	Grades 10-12	2 semesters
Prerequisite: Passed Algebra I with a C or better Corequisite: Geometry or higher level math class In CSP, students create apps for mobile devices, automate tasks in a variety of languages, and find patterns in data. Students collaborate to create and present solutions that can improve people's lives, and weigh the ethical and societal issues of how computing and connectivity are changing the world. Other key components of CSE content include the following: creation of graphical user interfaces in Scratch™, App Inventor®, and Python®, relationships among web languages, including JavaScript™, PHP®, and SQL, principles of cyber security and cyber hygiene, impact of computer science on other fields, and Interpretation of simulations using net LOGO® and Excel®		
4810 - Computer Integrated Manufacturing (CIM) (CAN BE TAKEN FOR COLLEGE CREDIT)	Grades 10-12	2 semesters
Prerequisite: Introduction to Engineering Design and Passed Algebra I with a C or better Corequisite: Geometry or higher level math class Computer Integrated Manufacturing is a course that applies principles of rapid prototyping, robotics, and automation. This course builds upon the computer solid modeling skills developed in Introduction of Engineering Design. Students will use computer controlled rapid prototyping and CNC equipment to solve problems by constructing actual models of their three-dimensional designs. Students will also be introduced to the fundamentals of robotics and how this equipment is used in an automated manufacturing environment. Students will evaluate their design solutions using various techniques of analysis and make appropriate modifications before producing their prototypes		
70493 - Digital Electronics (CAN BE TAKEN FOR COLLEGE CREDIT)	Grades 11 or 12	2 semesters
Pre-requisite: Geometry (C or better) Co-requisite: Algebra II or higher-level mathematics class Digital Electronics is a course of study in applied digital logic. Students will be introduced to digital circuits found in video games, watches, calculators, digital cameras, & thousands of other devices. Students will study the application of digital logic & how digital devices are used to control automated equipment. The use of digital circuitry is present in virtually all aspects of our lives & its use is increasing rapidly. This course is similar to a first semester college course & is an important course of study for a student exploring a career in engineering or engineering technology		
70494 - Principles of Engineering (CAN BE TAKEN FOR COLLEGE CREDIT)	Grades 10-12	2 semesters
Pre-requisite: Pass IED & Algebra I Co-requisite: Must be enrolled in Geometry or higher-level mathematics class and Instructor approval. A course that helps students understand the field of engineering/engineering technology. Exploring various technology systems & manufacturing processes help students learn how engineers & technicians use math, science & technology in an engineering problem solving process to benefit people. The course also includes concerns about social & political consequences of technological change.		
70496 - Engineering Design & Development	Grade 12	2 semesters
Pre-requisite: Pass IED, POE and one of the following: DE, CEA, or CIM An engineering research course in which students work in teams to research, design & construct a solution to an open-ended engineering problem. Students apply principles developed in the four preceding courses & are guided by a community mentor. They must present progress reports, submit a final written report & defend their solutions to a panel of outside reviewers at the end of the school year.		
70497 - Civil Engineering & Architecture (CAN BE TAKEN FOR COLLEGE CREDIT)	Grades 11-12	2 semesters
Prerequisites: Geometry (C or better) Co-requisite: Algebra II or higher-level mathematics class This course introduces students to the fundamental design and development aspects of architectural and civil engineering activities. Application and design principles will be used in conjunction with mathematical and scientific knowledge. Computer software programs will provide students with opportunities to design, simulate, and evaluate the construction of buildings and communities. During the planning and design phases, instructional emphasis should be placed on related Transportation, Distribution, and Logistics, water resource, and environmental is-		

sues. Activities should include the preparation of cost estimates as well as a review of regulatory procedures that would affect the project design. A two credit course over two semesters. A core 40 directed elective as part of a technical career area. This course qualifies as an Academic Honors Diploma elective. Schools involved in Project Lead The Way must use the content standards developed for this pre-engineering program. This course is a component of the Science, Engineering and Information Technology career cluster. It may also be included as part of the Building and Construction career cluster.

70220- Networking Fundamentals (CISCO—PORTER COUNTY CAREER COURSE)

Grade 11-12 2 semesters

Networking Fundamentals introduces students to concepts of local and wide area networks, home networking, networking standards using the IEEE/OSI Model, network protocols, transmission media and network architecture/topologies. Security and data integrity will be introduced and emphasized throughout this course. The purpose of this course is to offer students the critical information needed to successfully move into a role as an IT professional supporting networked computers. Concepts covered will include TCP/IP client administration, planning a network topology, configuring the TCP/IP protocol, managing network clients, configuring routers and hubs as well as creating a wireless LAN.

5230—Computer Tech Support

Grades 10-12 2 semesters

Computer Tech Support allows students to explore how computers work. Students learn the functionality of hardware and software components as well as suggested best practices in maintenance and safety issues. Through hands-on activities and labs, students learn how to assemble and configure a computer, install operating systems and software, and troubleshoot hardware and software problems.

5234—Intro to Networks

Grades 10-12 2 semesters

Networking I introduces students to local and wide area networks, home networking, networking standards using the IEEE/OSI Model, network protocols, transmission media and network architecture/topologies. Security and data integrity are introduced and emphasized throughout this course, which offers students the critical information needed to successfully move into a role as an IT professional supporting networked computers. Concepts covered will include TCP/IP client administration, planning a network topology, configuring the TCP/IP protocol, managing network clients, configuring routers and hubs, as well as creating a wireless LAN.

70125—Graphic Design & Layout

Grades 10-12 2 semesters

Graphic Design and Layout includes organized learning experiences that incorporate a variety of visual art techniques as they relate to the design and execution of layouts and illustrations for advertising, displays, promotional materials, and instructional manuals. Instruction also covers advertising theory and preparation of copy, lettering, posters, and artwork in addition to incorporation of photographic images. Communication skills will be emphasized through the study of effective methods used to design commercial products that impart information and ideas. Advanced instruction might also include experiences in various printing processes as well as activities in designing product packaging and commercial displays or exhibits.

ENGLISH/LANGUAGE ARTS

GUIDELINES:

For Honors and Advanced Placement English courses, students will be reviewed based on the following criteria:

1. ISTEP, PSAT, and Lexile scores
2. Grade in previous English classes
3. Teachers will meet to discuss course selections and will have input into course placement

80001 - English 9

Grade 9 2 semesters

English 9, an integrated English course based on Indiana's Academic Standards for English/Language Arts in Grade 9 and the Common Core State Standards for English/Language Arts, is a study of language, literature, composition, and oral communication with a focus on exploring a wide-variety of genres and their elements. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance appropriate for Grade 9 in classic and contemporary literature balanced with nonfiction. Students write short stories, responses to literature, expository and persuasive compositions, research reports, business letters, and technical documents. Students deliver grade-appropriate oral presentations and access, analyze, and evaluate online information.

70029 - English 9 Honors**Grade 9** **2 semesters**

While this course has the same description as English 9, it moves at a faster pace and has a higher level of assessment than English 9. The materials and the nature of individual assignments may differ from English 9 to accommodate these higher expectations. Additional AP texts will be read and students will receive supplemental work to prepare for English 10 Honors and AP Literature.

70005 - English 10**Grade 10** **2 semesters**

English 10, an integrated English course based on Indiana's Academic Standards for English/Language Arts in Grade 10 and the Common Core State Standards for English/Language Arts, is a study of language, literature, composition, and oral communication with a focus on exploring universal themes across a wide variety of genres. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance appropriate for Grade 10 in classic and contemporary literature balanced with nonfiction. Students write short stories, responses to literature, expository and persuasive compositions, research reports, business letters, and technical documents. Students deliver grade-appropriate oral presentations and access, analyze, and evaluate online information.

70030 - English 10 Honors**Grade 10** **2 semesters**

While this course has the same description as English 10, it moves at a faster pace and has a higher level of assessment than English 10. The materials and the nature of individual assignments may differ from English 10 to accommodate these higher expectations. Additional AP texts will be read and students will receive supplemental work to prepare for AP Literature.

70009 - English 11**Grade 11** **2 semesters**

English 11, an integrated English course based on Indiana's Academic Standards for English/Language Arts in Grade 11 and the Common Core State Standards for English/Language Arts, is a study of language, literature, composition, and oral communication with a focus on exploring characterization across universal themes and a wide variety of genres. Students use literary interpretation, analysis, comparisons, and evaluation to read and respond to representative works of historical or cultural significance appropriate for Grade 11 in classic and contemporary literature balanced with nonfiction. Students write fictional narratives, short stories, responses to literature, reflective compositions, historical investigation reports, resumes, and technical documents incorporating visual information in the form of pictures, graphs, and tables. Students write and deliver grade-appropriate multimedia presentations and access, analyze, and evaluate online information.

70014 - AP Literature & Composition**Grade 11** **2 semesters**

English Literature and Composition, Advanced Placement is a course which follows College Board Entrance Examination guidelines for advanced placement English. Students will be expected to read challenging texts by Shakespeare, Hawthorne, and Dickens, at home as well as in the classroom. Writing assignments will be frequent, including weekly in-class essays and periodic papers. Students will be expected to participate in class discussions and make presentations. Students should make use of technological resources both in researching and in producing their papers. Students are required take the AP Exam in May.

70013 - AP Language & Composition (CAN BE TAKEN FOR COLLEGE CREDIT)**Grade 12** **2 semesters**

This course follows College Board Entrance Examination guidelines for Advanced Placement English, and is also eligible for dual credit with PNC(ENGL 104 and 105). The purpose of the AP English Language and Composition course is to enable students to read complex texts with understanding and to write prose of sufficient richness and complexity to communicate effectively with mature readers. As well as engaging in varied writing tasks, students become acquainted with a wide variety of prose styles from many disciplines and historical periods, and gain understanding of the connections between writing and interpretive skill in reading. Students are required to take the AP exam in May OR sign up for dual credit.

70016 - Composition and Novel**Grade 12** **2 semesters**

Composition is a study and application of the rhetorical writing strategies of narration, description, exposition, and persuasion. Using the writing process, students demonstrate a command of vocabulary, English language conventions, research and organizational skills, an awareness of the audience, the purpose for writing, and style. Students read classic and contemporary literature or articles and use appropriate works as models for writing. Students write a variety of types of compositions with a focus on fictional narratives, reflective compositions, academic essays, and responses to literature. Novels is a study of the distinct features of the novel, such as narrative and fictional elements of setting, conflict, climax, and resolution, and may be organized by historical periods, themes, or authors. Students examine novels of a given period, such as Victorian, the Modern Period, or Contemporary Literature, and what distinguishes novels from short stories, epics, romances, biographies, science fiction, and others. Students analyze novels by various important authors from the past and present or sets of novels from a specific era or across several eras.

70015—Composition and Advanced Composition (COLLEGE CREDIT COURSE)**Grade 12** **2 semesters**

Students must have a 2.95 GPA or higher. This is a college credit course through PNC.

Composition is a study and application of the rhetorical writing strategies of narration, description, exposition, and persuasion. Using the writing process, students demonstrate a command of vocabulary, English language conventions, research and organizational skills, an awareness of the audience, the purpose for writing, and style. Students read classic and contemporary literature or articles and use appropriate works as models for writing. Students write a variety of types of compositions with a focus on fictional narratives, reflective compositions, academic essays, and responses to literature. Advanced Composition is a study and application of the rhetorical writing strategies of exposition and persuasion. Students write expository critiques of nonfiction selections, literary criticism of fiction selections, persuasive compositions, and research reports.

70018 - Creative Writing

Grades 10-12 1 semester

Creative Writing, a course based on the Indiana Academic Standards for English/Language Arts, is a study and application of the rhetorical writing strategies for prose and poetry. Using the writing process, students demonstrate a command of vocabulary, the nuances of language and vocabulary, English language conventions, an awareness of the audience, the purposes for writing, and the style of their own writing.

70021—Student Media: Yearbook

Grades 11-12 2 semesters

Yearbook is a laboratory class that publishes the school yearbook, Memories. Students will take what they learned in Journalism or Student Publications and apply desktop publishing skills, writing, editing, design, leadership skills, ethics, photojournalism, teamwork and communication skills while putting together an accurate actual product. Creativity, writing ability and strong independent work ethic are a must when taking this course. This is a two-semester course. This course can be taken for more than one school year for elective credit.

70024 - Speech

Grades 10-12 1 semester

Speech provides the study of and practice in the basic principles and techniques of effective oral communication. This course includes instruction in adapting speech to different audiences and purposes. Students have opportunities to make different types of oral presentations including: (1) viewpoint, (2) instructional, (3) demonstration, (4) informative, (5) persuasive, and (6) impromptu. Students are given opportunities to express subject matter knowledge and content through creative, analytical, and expository writing, as well as reading a variety of literary genre related to course content and speaking assignments. This course emphasizes research using technology and careful organization and preparation. Students also practice and develop critical listening skills.

70025 - Advanced Speech and Communication (CAN BE TAKEN FOR COLLEGE CREDIT)

Grade 11-12 1 semester

Pre-requisite: Completion of Speech

Advanced Speech and Communication continues with the skills learned in Speech. Major emphasis is given to the producing of formal speeches. The course focuses on leadership development, listening skills, research methods, and oral debate. Oral interpretation and parliamentary procedure are covered if time permits. Students are given opportunities to express the subject matter knowledge and content through various writing experiences as well as reading a variety of literary genre related to course content and speaking experiences. Special attention is given to the creating of a complete outline and support, using two or more sources, as well as individual presentation skills. Students concentrate on producing speeches that: (1) inform; (2) motivate; (3) entertain; and (4) persuade through the use of impromptu, extemporaneous, memorized, and manuscript delivery. Students develop skills in: (1) listening, (2) oral interpretation, (3) parliamentary procedures, (4) research methods, and (5) oral debate.

FINE ARTS DEPARTMENT

ART

The Art Department is comprised of several courses open to students of all abilities. Some courses, however, require previous art experience. Students with little to no experience in Art should start by taking either Introduction to 2-Dimensional or 3-Dimensional Art. Please note that students will need to have their own art supplies for several of the courses. For all advanced Art courses, it is recommended that the student speaks to the teacher to discuss interest prior to signing up for the course.

70123 - Introduction to Two-Dimensional Art

Grades 9-10 1 semester

Introduction to Two-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students taking this course engage in sequential learning experiences that encompass art history, art criticism, aesthetics, production, and integrated studies and lead to the creation of portfolio quality works. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create two-dimensional works of art, reflect upon the outcomes, and revise their

work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. They identify ways to utilize and support art museums, galleries, studios, and community resources.

70124 - Introduction to Three-Dimensional Art

Grades 9-10 1 semester

Introduction to Three Dimensional Art is strongly recommended to be taken in conjunction with Introduction to Two Dimensional Art. This is a course based on the Indiana Academic Standards for Visual Art. Students taking this course engage in sequential learning experiences that encompass art history, art criticism, aesthetics, production, and integrated studies and lead to the creation of portfolio quality works. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create three-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. They identify ways to utilize and support art museums, galleries, studios, and community resources.

70203 - AP Studio Art (2 Dimensional or 3 Dimensional) (CAN BE TAKEN FOR COLLEGE CREDIT)

Grades 11-12 2 semesters

Portfolio (of approx. 10 pieces) is submitted to Art teacher for acceptance into this class, before class scheduling.

Students interested in the AP Studio Art class are highly encouraged to take the Intro, Painting and Drawing classes if working in 2D, and Ceramics classes if interested in the 3D side of the class. Both 2 & 3 D students will be in the same class period. This class is intended to have students address the Elements and Principles of Art in their works. There will be class assignments, independent works, purposeful decision making, organization, time management, and self-motivation. These students are expected to demonstrate proficiency in 2D or 3D works, creating a high quality, 3 part portfolio for submission to the College Board Exam, before the spring exam date. Any works that make use of other artist's works, including photographs, and/or published images must show significant change beyond duplication. As this is an AP class it will be a faster pace than other art classes with students held to a higher standard of work ethic.

· This class is only offered on odd school years.

70121 - Drawing (CAN BE TAKEN FOR COLLEGE CREDIT)

Grades 11-12 1 semester

This is NOT an introductory class. Students should have knowledge of art and art methods. Introduction to Two/Three Dimensional Art classes are strongly recommended for this class.

Drawing is a course based on the Indiana Academic Standards for Visual Art. Students in drawing engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students create drawings utilizing processes such as sketching, rendering, contour, gesture, and perspective drawing and use a variety of media such as pencil, chalk, pastels, charcoal, and pen and ink. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

· This class is only offered on even school years.

70125 - Painting (L)

Grades 11-12 1 semester

This is NOT an introductory class. Students should have knowledge of art and art methods. Introduction to Two/Three Dimensional Art classes are strongly recommended for this class. Painting is a course based on the Indiana Academic Standards for Visual Art. Students taking painting engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production that lead to the creation of portfolio quality works. Students create abstract and realistic paintings, using a variety of materials such as mixed media, watercolor, oil, and acrylics as well as techniques such as stippling, gouache, wash, and impasto. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

· This class is only offered on even school years.

70122 - Ceramics I & II

Grades 11-12 2 semesters

Ceramics is a course based on the Indiana Academic Standards for Visual Art. Students in ceramics engage in sequential learning experiences that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students create works of art in clay utilizing the processes of hand building, molds, wheel throwing, slip and glaze techniques, and the firing processes. They reflect upon and refine their work; explore cultural and historical connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. Students utilize the resources of art museums, galleries, and studios, and identify art-related careers.

70204 - Advanced Two-Dimensional Art Honors (Formerly known as GT Art Honors)

Grades 10-12 1 semester

A grade of "B" or higher in previous high school art classes is recommended. This class may be taken multiple terms and/or years .

Advanced Two-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students in this course build on the sequential learning experiences of Introduction to

Two-Dimensional Art that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create two-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. They identify ways to utilize and support art museums, galleries, studios, and community resources.

70208 - Advanced Three-Dimensional Art Honors (Formerly known as GT Art Honors)

Grades 10-12 1 semester

A grade of "B" or higher in previous high school art classes is recommended. This class may be taken multiple terms and/or years .

Advanced Three-Dimensional Art is a course based on the Indiana Academic Standards for Visual Art. Students in this course build on the sequential learning experiences of Introduction to Three-Dimensional Art that encompass art history, art criticism, aesthetics, and production and lead to the creation of portfolio quality works. Students explore historical and cultural background and connections; analyze, interpret, theorize, and make informed judgments about artwork and the nature of art; create three-dimensional works of art, reflect upon the outcomes, and revise their work; relate art to other disciplines and discover opportunities for integration; and incorporate literacy and presentational skills. They identify ways to utilize and support art museums, galleries, studios, and community resources.

70205—Art Lab

Grades 10-12 1 semester

Student must be concurrently enrolled in Advanced 2-D or 3-D Art OR in the AP Art course.

This is a study hall used for the purpose of completing art projects. No credit will be given for taking Art Lab. Students cannot also take a study hall or student assistant period. Only one Art Lab can be taken each semester.

Marching Band, Basketball Band, Jazz Band, Pit Orchestra and ISSMA Solo & Ensemble are co-curricular activities and are an extension of the concert band curriculum. Enrollment in a concert band class (intermediate or advanced) is required to participate in these activities with the following exceptions. 1. Jazz Band may need the following instruments that are not common in the concert band class: bass guitar, guitar, piano, or drum set. 2. Marching Band may need flags, piano, bass guitar, or guitar which are not in the common instrumentation in the concert band class. 3. Pit Orchestra may need bass guitar, guitar, piano, drum set or strings that are not in the common instrumentation of the concert band class.

MUSIC

70159 - Jazz Ensemble

Grades 9-12 1 semester

Prerequisite: Audition and Teacher Recommendation

Students taking this course develop musicianship and specific performance skills through group and individual settings for the study and performance of the varied styles of instrumental jazz. The instruction includes the study of the history, formative, and stylistic elements of jazz. Students develop their creative skills through: (1) improvisation, (2) composition, (3) arranging, (4) performing, (5) listening, and (6) analyzing. 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 are provided with opportunities to experience live performances by professionals during and outside of the school day. A limited amount of time outside of the school day may be scheduled for dress rehearsals and performances. In addition, a limited number of public performances may serve as a culmination of daily rehearsal and music goals. Students must participate in performance opportunities, outside of the school day, that support and extend the learning in the classroom. Student participants must also be receiving instruction in another band or orchestra class offering, at the discretion of the director. This course may be taken for successive semesters.

70160 - Beginning Guitar

Grades 10-12 1 semester

Introduction to acoustic and classical guitar techniques employed in contemporary guitar finger style and choral structured music playing, including basic music theory and note reading. No previous experience required. Acoustic guitars are provided. There is an additional fee for this course.

70161 - Intermediate Guitar

Grades 10-12 1 semester

Prerequisites: Intro to Guitar or audition

Student fee is \$25 and includes the cost of workbook and strings. Expanding on acoustic and classical guitar techniques employed in contemporary guitar playing with emphasis on finger style playing, note reading, and guitar music theory.

70168 - Music Theory & Composition

Grades 9-12 1 semester

Requisite: Participation in Band, Choir or Guitar Class with Teacher Recommendation

Students taking this course develop skills in the analysis of music and theoretical concepts. Students: (1) develop ear training and dictation skills, (2) compose works that **illustrate** mastered concepts, (3) understand choral and harmonic structures and analysis, (4) understand modes and scales, (5) study a wide variety of musical styles, (6) study traditional and nontraditional music notation and sound sources as tools for musical composition, and (7) receive detailed instruction in other basic elements of music. Students have the opportunity to experience live performances, by professionals, during and outside of the school day.

70167 - Music History & Appreciation (CAN BE TAKEN FOR COLLEGE CREDIT)

Grades 9-12 1 semester

Students taking this course 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.

70164 - Advanced Concert Band

Grades 9-12 2 semesters

Pre-requisite: Audition and Band Director recommendation. Private Lessons are strongly encouraged.

Requisite: Band is a year round course, students must be enrolled in both fall and spring semesters.

Band is a co-curricular class with required rehearsals and performances that are outside of the school day. This group will serve as the top concert band at HHS. This group studies the highest concert band literature available. This group will be limited to approximately 35-50 members. Mastery of advanced wind band technique must be evident. This group studies music that is at the level of the Indiana Group I list of music. Some evening rehearsals may be added as concerts or contests approach. There may be sectionals added during the week if needed. This group will perform 4-8 times in the semester. The band director has the authority to assign students to instruments. It is preferred that the student should continue the instrument that they have the most experience with. Students may be asked to switch instruments if a change may help the instrumentation of the band. Enrolled students may volunteer and/or audition for Marching Band, Jazz Band, Pit Orchestra and ISSMA Solo & Ensemble.

70168 - Intermediate Concert Band

Grades 9-12 2 semesters

Pre-requisite: Audition and Band Director Recommendation. Auditions may be waived for students completing two to three consecutive years of Hobart Middle School Band.

Requisite: Band is a year round course, students must be enrolled in both fall and spring semesters.

Band is a co-curricular class with required rehearsals and performances that are outside of the school day. This group will serve as the secondary concert band at HHS. This group studies music that is at the level of the ensemble or the Indiana Group III + II lists of music. This group will be expected to perform with expression and technical accuracy, a large and varied repertoire of wind band literature that is developmentally appropriate. Some evening rehearsals may be added as concerts or contests approach. There may be sectionals added during the week if needed. This group will perform 4-8 times in the semester. The band director has the authority to assign students to instruments. It is preferred that the student should continue the instrument that they have the most experience with. Students may be asked to switch instruments if a change may help the instrumentation of the band. Enrolled students may volunteer and/or audition for Marching Band, Jazz Band, Pit Orchestra and ISSMA Solo & Ensemble.

70169 - Applied Music

Grades 10 – 12 1 semester

Prerequisite: Audition and Band Director Recommendation

Applied Music offers high school students the opportunity to receive small group or private instruction designed to develop performance skills. Instruction is designed so that students are enabled to connect, examine, imagine, define, try, extend, refine, and integrate music study into other subject areas. A variety of music methods and repertoire is utilized to refine students' abilities in listening, analyzing, interpreting, and performing.

- This course may be taken for successive semesters.

70162 - Intermediate Chorus

Grades 9-12 1-2 semesters

Teacher Recommendation Following audition and/or interview with Director

***AFTER SCHOOL PRACTICE & PERFORMANCES REQUIRED!**

Intermediate Chorus provides students with opportunities to develop musicianship and specific performance skills through ensemble and solo singing. The chorus may be composed of: (1) male chorus, (2) female chorus, (3) mixed chorus, or any combination thereof. Activities create the development of quality repertoire in the diverse styles of choral literature which is appropriate in difficulty and range for the students. Instruction is designed to enable students to connect, examine, imagine, define, try, extend, refine, and integrate music study into other subject areas. Chorus classes provide instruction in creating, performing, conducting, listening to, and analyzing, in addition to focusing on the specific subject matter. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students also have the opportunity to experience live performances by professionals during and outside of the school day. A limited amount of time, outside of the school day, may be scheduled for dress rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and music goals. Students must participate in performance opportunities, outside of the school day, that support and extend the learning in the

classroom. Choral repertoire should be developmentally appropriate. Additional emphasis is placed on sight-reading, critical listening skills, and vocal technique.

- Pre-requisite: Beginning Chorus
- This course may be taken for successive semesters.

70165 - Advanced Chorus

Grades 9-12

1-2 semesters

Teacher Recommendation Following audition and/or interview with Director

MANDATORY AFTER SCHOOL PRACTICE & PERFORMANCES.

Students taking Advanced Chorus develop musicianship and specific performance skills through ensemble and solo singing. The chorus may be composed of: (1) male chorus, (2) female chorus, (3) mixed chorus or any combination thereof. Activities create the development of a quality repertoire in the diverse styles of choral literature appropriate in difficulty and range for the students. Instruction is designed to enable students to connect, examine, imagine, define, try, extend, refine, and integrate music study into other subject areas. Chorus classes provide instruction in creating, performing, conducting, listening to, and analyzing, in addition to focusing on the specific subject matter. Students develop the ability to understand and convey the composer's intent in order to connect the performer with the audience. Students have the opportunity to experience live performances by professionals during and outside of the school day. A limited amount of time, outside of the school day, may be scheduled for dress rehearsals and performances. A limited number of public performances may serve as a culmination of daily rehearsal and music goals. Students must participate in performance opportunities, outside of the school day, that support and extend the learning in the classroom. The choral repertoire must be of the highest caliber. Mastery of basic choral technique must be evident. Areas of refinement include a cappella singing, sight-reading, and critical listening skills.

- Prerequisites: Beginning Chorus and Intermediate Chorus
- This course may be taken for successive semesters.

THEATRE

70026 - Theatre Arts

Grades 9-12

2 semesters

Theatre Arts is based on the Indiana Academic Standards for Theatre. Students enrolled in Theatre Arts read and analyze plays, create scripts and theatre pieces, conceive scenic designs, and develop acting skills. These activities incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore career opportunities in the theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community.

- The nature of this course allows for two successive semesters (Theatre Arts I and Theatre Arts II) of instruction at this level, provided that defined standards are utilized.
- Students will be expected to perform in front of classmates
- Students are required to put in 15 hours worth of time-outside of class-on a production over the course of the school year
- Students are required to audition for at least one production over the course of the school year, though not required to accept a role if offered
- Students will be required to perform memorized monologue/scene work

70034 - Technical Theatre

Grades 10-12

1 semester

Pre-requisite: Theatre Arts or permission of theatre teacher

Technical Theatre is based on the Indiana Academic Standards for Theatre. Students enrolled in Technical Theatre actively engage in the process of designing, building, managing, and implementing the technical aspects of a production. These activities should incorporate elements of theatre history, culture, analysis, response, creative process, and integrated studies. Additionally, students explore career opportunities in the theatre, attend and critique theatrical productions, and recognize the responsibilities and the importance of individual theatre patrons in their community.

- The nature of this course allows for two successive semesters (Tech. Theatre I and Tech. Theatre II) of instruction at this level, provided that defined standards are utilized.
- Students taking this class must be willing to be on a crew during the production for that semester. They must also be prepared to build & paint during class if required.

70035 - Advanced Acting

Grades 10-12

1 semester

Pre-requisite: Theatre Arts

Advanced Acting is based on the Indiana Academic Standards for Theatre. Students enrolled in Advanced Acting research, create, and perform characters through script analysis, observation, collaboration and rehearsal. These activities should incorporate elements of theatre history, culture, analysis, response, creative process and integrated studies. Additionally, students explore career opportunities in the theatre by attending plays, meeting actors and discussing their work, and becoming theatre patrons in their community.

- The nature of this course allows for two successive semesters (Advanced Acting I and Advanced Acting II) of instruction at this level, provided that defined standards are utilized.
- Students will be expected to present memorized scenes/monologues on a biweekly basis
- Students will be expected to be involved with one production throughout the year in the area of performance or technical crew
- Students will be expected to audition for the children's show, though not required to accept a role if offered

70036 - Theatre Arts Special Topics: Directing

Grades 10-12 1 semester

To be eligible for this class, students must have taken Theatre Arts, Advanced Theatre Arts, & Acting. Technical theatre is also greatly recommended. Students taking this course will focus on a specific subject related to theatre arts, such as: Shakespeare, Children's Theatre, Directing, Arts Management & other specialized areas of study. These activities should incorporate elements of theatre history, culture, analysis, response, creative process & integrated studies. In addition to previously stated objectives, students will learn basic directing concepts including: Blocking, script analysis, casting/auditions, organization, working with a production team, stage management. Students will demonstrate their grasp of these principles through the direction of "mini-scenes" throughout the quarter. Students will further demonstrate their knowledge & understanding by presenting a 20-minute directing project at the end of the quarter. Additionally, students explore career opportunities in the theatre, attend & critique theatrical productions, & recognize the responsibilities & the importance of individual theatre patrons in their community.

HEALTH/PHYSICAL EDUCATION

70192 - Allied Health (Medical Terminology)

Grades 10-12 1 semester

Pre-requisite: C+ in Health

This course helps prepare students for careers in all facets of the medical field. This course is suggested for student athletic trainers.

70195 - Health and Wellness

Grade 9 2

semesters
High school health education provides the basis for continued methods of developing knowledge, concepts, skills, behaviors, and attitudes related to student health and well-being. This course includes the major content areas in a planned, sequential, comprehensive health education curriculum as expressed in the Indiana Health Education Proficiency Guide: (1) Growth and Development; (2) Mental and Emotional Health;(3) Community and Environmental Health; (4) Nutrition; (5) Family Life Education; (6) Consumer Health; (7) Personal Health; (8) Alcohol, Tobacco, and Other Drugs Education; (9) Intentional and Unintentional Injury; and (10) Health Promotion and Disease Prevention. Students are provided with opportunities to explore the effect of health behaviors on an individual's quality of life. This course assists students in understanding that health is a lifetime commitment by analyzing individual risk factors and health decisions that promote health and prevent disease. Students are also encouraged to assume individual responsibility for becoming competent health consumers. A variety of instructional strategies, including technology, are used to further develop health literacy.

70200A - Physical Education I & II

Grade 9 2 semesters

Physical Education I continues the emphasis on health-related fitness and 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: (1) health-related fitness activities (cardio respiratory endurance, muscular strength and endurance, flexibility, and body composition), (2) aerobic exercise, (3) team sports, (4) individual and dual sports, (5) gymnastics, (6) outdoor pursuits, (7) self-defense, (8) aquatics, (9) dance, and (10) recreational games. Ongoing assessment includes both written and performance-based skill evaluations. Physical Education II emphasizes a personal commitment to lifetime activity and fitness for enjoyment, challenge, self-expression, and social interaction. This course provides students with opportunities to achieve and maintain a health-enhancing level of physical fitness and increase their knowledge of fitness concepts. It includes at least three different movement forms without repeating those offered in Secondary Physical Education I. Movement forms may include: (1) health-related fitness activities (cardio respiratory endurance, muscular strength and endurance, flexibility, and body composition), (2) aerobic exercise, (3) team sports, (4) individual and dual sports, (5) gymnastics, (6) outdoor pursuits, (7) self-defense, (8) aquatics, (9) dance, and (10) recreational games. Ongoing assessment includes both written and performance-based skill evaluations. This course will also include a discussion of related careers. Prerequisite: Secondary Physical Education I

- Classes are coeducational unless the activity involves bodily contact or groupings are based on an objective standard of individual performance developed and applied without regard to gender.
- Adapted physical education must be offered, as needed, in the least restricted environment and must be based on individual assessment

Elective Physical Education Courses Listed Below- Pre-requisite: Completion of Physical Education 1-2 with a "C" average or better.**70201 – EPE: Team Sports****Grades 10-12 1-2 semesters**

This course emphasizes team sports. Activities may include soccer, flag football, basketball, softball, volleyball, team handball, ultimate, or floor hockey.

70199 – EPE: Strength/Cardio Fitness**Grades 10-12 1-2 semesters**

This course is offered to meet the fitness needs of students who do not compete on high school athletic teams but are still interested in increasing their cardiovascular and muscular strength.

70198 – EPE: Conditioning/Training**Grades 10-12 1-2 semesters**

This course is offered to meet the fitness needs of student athletes. It includes high intensity workouts designed to develop strength, speed, and coordination

Requirements– A or B in previous physical education classes.

The mission of Army JROTC is to motivate young people to be better citizens. All JROTC courses are designed to introduce, develop, exercise and critique 1) aspects of citizenship and patriotism, 2) personal health and fitness, 3) personal growth, and 4) decision-making and leadership skills. All JROTC courses emphasize values and character development, knowledge and skills necessary for life beyond high school and personal responsibility to prepare for life as a productive adult. There are four JROTC levels through which a cadet may progress from year to year.

All LET levels include a classroom course consisting of academic instruction, physical training, hands-on experience, service learning projects, community service opportunities, field trips and interscholastic competitions. Daily, cadets participate in individual and group settings. Cadets may earn advanced placement credit for College ROTC programs, enter the military at a higher grade and rank and earn an opportunity for college scholarships by completing two to four years of JROTC during their high school career.

JUNIOR RESERVE OFFICER TRAINING CORPS (JROTC)

70956 - JROTC - Basic Entry Level**Grade 9 2 semesters**

This is a one-semester freshman entry-level course designed to introduce students to JROTC and lay a solid foundation for further development as a person, citizen and leader. The JROTC BASIC ENTRY LEVEL course emphasizes basic concepts relating to citizenship and patriotism, leadership theory, self-assessment and reflection, learning methods, study skills and communication skills. Cadets are required to wear the Army uniform one day a week, participate in group projects in and out of the classroom and participate in one service learning project each semester. Grades are based on performance, participation and effort. JROTC is a progressive program in which students may continue to enroll in successive semesters of study as long as they successfully complete each prerequisite level of study. JROTC Basic Entry Level is a prerequisite for JROTC Developmental Level. JROTC Basic Entry Level taken in 9th grade can replace a student's Physical Education course.

70957 - JROTC - Developmental Level**Grade 10-12 2 semesters**

Prerequisites: JROTC Basic Entry Level or instructor permission

This is a two-semester second-year progressive or entry-level course designed to build on the JROTC Basic Entry Level leadership training foundation and inspire growth as a person, citizen and leader. The JROTC Developmental Level course emphasizes basic concepts relating to US history, military history, civics and government as well as first aid, health awareness and substance abuse issues. The course also builds on the basic citizenship, leadership, self-assessment, learning, study and communication skills. Cadets are required to wear the Army uniform one day a week, participate in group projects in and out of the classroom and participate in one service learning project each semester. Grades are based on performance, participation and effort. JROTC is a progressive program in which students may continue to enroll in successive semesters of study as long as they successfully complete each prerequisite level of study. JROTC Basic Entry Level is a prerequisite for JROTC Developmental Level; however upper-classmen entering JROTC for the first time may be admitted to JROTC Developmental Level with Senior Army Instructor approval. JROTC DEVELOPMENTAL LEVEL is a prerequisite for JROTC Intermediate Level and students may earn 1 elective course credit each semester.

70958 - JROTC - Intermediate Level**Grade 11-12 2 semesters**

Prerequisites: JROTC Developmental Level

This is a two-semester third-year progressive course designed to analyze and begin to exercise the JROTC Basic and JROTC Developmental Level concepts and skills. JROTC Intermediate course emphasizes intermediate concepts designed to help the cadet understand their culturally diverse environment, communicate effectively and plan for their future. Topics include public speaking, anger management, cultural diversity, conflict mediation, career exploration, college/career preparation and basic financial management. Cadets are required to wear the Army uniform one day a week, participate in group projects in and out of the classroom and participate in one service learning project each semester. Grades are based on performance, participation and effort. JROTC is a progressive program in which students may continue to enroll in successive semesters of study as long as they successfully complete each prerequisite level of study. JROTC Developmental Level is a prerequisite for JROTC Intermediate and JROTC Intermediate is a prerequisite for JROTC Advanced and students may earn 1 elective course credit

each semester.

70959 - JROTC - Advanced Level

Grade 12 **2 semesters**

Prerequisites: JROTC Intermediate

This is a two-semester fourth-year progressive course designed to exercise all previous JROTC level concepts and skills. The JROTC Advanced course emphasizes opportunities to lead, teach, train, speak publically and mediate conflict. The JROTC Advanced course includes modules on career preparation, college or trade school selection and application and more advanced financial management. JROTC Advanced cadets also gain practical experience as they function as the battalion staff and plan, organize, administer, execute and review all co-curricular JROTC programs, activities and clubs. Cadets are required to wear the Army uniform one day a week, participate in group projects in and out of the classroom and participate in one service learning project each semester. Grades are based on performance, participation and effort. JROTC Intermediate is a prerequisite for JROTC Advanced and students may earn 1 elective course credit each semester.

MATHEMATICS DEPARTMENT

Math Department Policies

1. Students may take only one math class per year except with special permission.
2. Honors courses are by recommendation only. To participate, students should have a prior "A"/"B" in Honors or a strong "A" in their regular math class.

70049 - Business Math

Grades 10-12 **2 semesters**

This course is intended for upperclassmen *who have received credit in Pre-Alg/Alg or Alg 1 but are ineligible to enroll in other upper level math classes*. The curriculum for this class is determined by the Indiana Standards.

81045 - Algebra I

Grades 9-12 **2 semesters**

Algebra I provides a formal development of the algebraic skills and concepts necessary for students to succeed in advanced courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations. The concept of function is emphasized throughout the course. Topics include: (1) operations with real numbers, (2) linear equations and inequalities, (3) relations and functions, (4) polynomials, (5) algebraic fractions, and (6) nonlinear equations.

70039 - Algebra I Honors

Grade 9 **2 semesters**

Pre-requisite: Must have completed Algebra IA in 8th grade and have teacher recommendation.

Algebra I provides a formal development of the algebraic skills and concepts necessary for students to succeed in advanced courses. In particular, the instructional program in this course provides for the use of algebraic skills in a wide range of problem-solving situations. The concept of function is emphasized throughout the course. Topics include: (1) operations with real numbers, (2) linear equations and inequalities, (3) relations and functions, (4) polynomials, (5) algebraic fractions, and (6) nonlinear equations.

- This course is an extension of the topics covered in 8th grade algebra. The curriculum for this course is determined by the Indiana Mathematics Standards.

70044 - Geometry

Grades 10-12 **2 semesters**

Completion of Algebra I is required.

Geometry provides students with experiences that deepen the understanding of two- and three-dimensional objects and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions are stressed. Properties and relationships of geometric objects include the study of: (1) points, lines, angles and planes; (2) polygons, with a special focus on quadrilaterals, triangles, right triangles; (3) circles; and (4) polyhedral and other solids. An understanding of proof and logic is developed. Use of graphing calculators and computer drawing programs is encouraged.

2532 - Geometry Honors

Grade 10 **2 semesters**

Pre-requisite: Completion of Algebra I with an A or Enriched Algebra I with at least a B is required.

Geometry provides students with experiences that deepen the understanding of two- and three-dimensional objects and their properties. Deductive and inductive reasoning as well as investigative strategies in drawing conclusions are stressed. Properties and relationships of geometric objects include the study of: (1) points, lines, angles and planes; (2) polygons, with a special focus on quadrilaterals, triangles, right triangles; (3) circles; and (4) polyhedral and other solids. An understanding of proof and logic is developed. Use of graphing calculators and computer

drawing programs is encouraged. This course has the same profile as regular geometry with the addition of area & coordinate geometry. Students will solve more complex problems & use deductive reasoning in formal proofs. The curriculum for this course is determined by the Indiana Mathematics Standards.

70046 - Algebra II Honors

Grades 9-10 2 semesters

Pre-requisite: Completion of Algebra I with an A or Enriched Algebra I with at least a B.

Algebra II: Enriched is a course that extends the content of Algebra I and provides further development of the concept of a function. Topics include: (1) relations, functions, equations and inequalities; (2) conic sections; (3) polynomials; (4) algebraic fractions; (5) logarithmic and exponential functions; (6) sequences and series; and (7) counting principals and probability.

•This course covers the same topics as Algebra 3-4 except in greater depth. The curriculum for this course is determined by the Indiana Mathematics Standards.

70047 - Algebra II

Grades 10-12 2 semesters

Algebra II is a course that extends the content of Algebra I and provides further development of the concept of a function. Topics include: (1) relations, functions, equations and inequalities; (2) conic sections; (3) polynomials; (4) algebraic fractions; (5) logarithmic and exponential functions; (6) sequences and series; and (7) counting principles and probability.

70055 - Finite Mathematics I and II (CAN BE TAKEN FOR COLLEGE CREDIT)

Grade 11-12 1 or 2 semesters

Pre-requisite: Algebra II with at least a "C"

Finite Mathematics is an umbrella of mathematical topics. It is a course designed for students who will undertake higher-level mathematics in college that may not include calculus. Topics include: (1) counting techniques, (2) matrices, (3) recursion, (4) graph theory, (5) social choice, (6) linear programming, and (7) game theory. Technology, such as computers and graphing calculators, will be used. The two terms of this class are stand alone terms. Semester I includes matrices, linear programming, and sequences and series. Semester II includes set operations, probability, statistics, game theory, and graph theory.

70051 - Trigonometry: Honors (CAN BE TAKEN FOR COLLEGE CREDIT)

Grades 11-12 1 semester

Pre-requisite: Completion of Honors precalculus; strongly recommended "C" or better in precalculus. This course may be taken as a dual credit course through Purdue North Central.

Trigonometry is a course that provides for the development of the trigonometric relationships from an understanding of the circular functions and their properties and graphs. Topics includes the study of (1) trigonometry in triangles, (2) trigonometric functions, (3) trigonometric identities and equations, and (4) polar coordinates and complex numbers. For juniors electing Calculus as seniors who are enrolled in Honors Algebra 2, may be taken concurrently with Algebra 2 during C & D terms.

70052 - Honors Advanced Modeling and Analysis (Pre-Calculus) (CAN BE TAKEN FOR COLLEGE CREDIT)

Grade 11-12 1 semester

Pre-requisite: Completion of Algebra I, Algebra II, and Geometry, strongly recommended A's in the regular track or A's and B's in the enriched/honors track. This course may be taken for dual credit through Purdue North Central. Pre-Calculus blends the concepts and skills that must be mastered before enrollment in a college-level calculus course. A functional approach provides for the integration of all of the concepts listed for the course in Trigonometry plus: (1) relations and functions, (2) exponential and logarithmic functions, (3) sequences and series, and (4) data analysis.

70053 - AP Calculus AB (CAN BE TAKEN FOR COLLEGE CREDIT)

Grade 12 2 semesters

Pre-requisite: C's or better in Pre-calculus and Trigonometry.

Calculus is a course that provides students with the content established by the College Board. Topics include: (1) limits and continuity, (2) differential calculus, (3) applications of derivatives, (4) integral Calculus, and (5) applications of integration. The use of graphing technology is required.

2550—Quantitative Reasoning (CAN BE TAKEN FOR COLLEGE CREDIT)

Grade 12 2 semesters

Pre-requisite: Must have completed Algebra I, Geometry, and Algebra II.

Quantitative Reasoning is a mathematics course focused on the study of numeracy, ratio and proportional reasoning, modeling, probabilistic reasoning to assess risk, and statistics. Students build knowledge of and confidence with basic mathematical/analytical concepts and operations required for problem solving, decision making, and economic productivity in real world applications and prepare for an increasingly information-based society in which the ability to use and critically evaluate information, especially numerical information, is essential. Technology, such as computers and graphing calculators, should be used frequently.

PORTER COUNTY CAREER CENTER

2 semesters 2 periods 6 CREDITS Application Required

PCCTEC offers vocational programs at various Porter County locations in both morning & afternoon sessions. Students earn 3 credits per semester. See your counselor for details. Transportation is provided.

Auto Technology

If you enjoy having a talent that few people have and want to know how cars and light duty trucks work, then sign up for this hands-on program. This program will give you the opportunity to work on vehicles and give you a basic understanding of the new technologies and principles necessary to perform repairs on your own vehicle or to prepare for a career in the auto industry. Area businesses are eager to hire bright young people for employment and for apprenticeship programs. Many students have won scholarships for higher education as a result of participating in this program. You should have strong communication and computer skills and be task oriented to be successful in this program.

Networking Fundamentals

If you are the one everyone turns to for computer advice at home and school, consider signing up for Cisco Networking Academy. Cisco is the world wide leader in networking for the Internet and sponsors this high-tech training program. You will learn to design, build and maintain computer networks. If you successfully complete the 280 hours of instruction, you can take the standardized test to qualify as a Cisco Certified Entry Network Tech. Since the textbook and assignments are all done in front of a computer, good reading skills are essential to being successful in this class. So if you want to learn about OSI, IP addressing, installation of network premise cabling, virtual LAN's, router switching technologies and more, sign up for this high tech career and technical program. Proficiency in Algebra is desired.

Computer Aided Design and Animation

If you're interested in Architecture, Mechanical Design or Animation, then this 1 or 2 year program will help prepare you for a future career. Whether your interest is designing a concept car, creating a video game, or constructing a dream home, CAD designers are needed. Students will make detailed drawings, part models and animations to show exact dimensions and specifications of a project. While using state of the art software for these designs, students will earn college credit. Whether your desire is to work immediately after high school, or work while you're in college, this program will help you accomplish this goal.

Construction Technology

Do you like to work with your hands? Do you like to work outdoors? Would you like to join a construction crew with your classmates and actually build a house or commercial structure? Then sign up for this program!! You will be given the opportunity to prepare for employment and learn the attitudes and behavior necessary to get a job in this field. If you're interested in gaining pre-apprenticeship training in carpentry, electrical, heating, air conditioning, painting, dry walling, plumbing, and masonry trades, sign up today

Cosmetology

Due to 21st Century advertising trends, fashionable looks for both men and women will remain of great importance. Although styles will change, a cosmetologist's task will remain the same...to help people look attractive. As a service professional, you will be shampooing, cutting, styling, straightening, perming, and coloring hair; giving manicures; providing scalp and facial treatments; and furnishing makeup analysis. At the end of this program, you will be eligible to take the Indiana State Beauty Board Examination. Don Roberts Beauty School requires students to pass ISTEP or to achieve a GED before any student will be recommended for the Indiana Cosmetology license examination. You must begin this program in July after completing your sophomore year and you must be able to attend the entire months of July and August without interruptions. July and August will be considered a probationary period for students entering this program.

Criminal Justice 1

If you are interested in pursuing a career in law, law enforcement, corrections, or a security profession, join the rank and file of the law enforcement careers academy today. There are two different classes you can sign up for either as a junior or senior. The Criminal Justice System class surveys the legal system and the various careers available. You will discuss and be exposed to the process from a suspect being questioned to the convicted being placed in prison. In the Criminal Investigations class, you will study evidence collection, interview techniques, and proper documentation. Each class invites numerous guest speakers and takes several field trips. In order to enroll, you should possess personal characteristics such as honesty, good judgment, integrity and a sense of responsibility. You may be eligible to earn college credits for the successful completion of each class.

Criminal Justice 2 (Investigations)

If you are interested in pursuing a career in law, law enforcement, corrections, or a security profession, join the rank and file of the law enforcement careers academy today. There are two different classes you can sign up for either as a junior or senior. The Criminal Justice System class surveys the legal system and the various careers available. You will discuss and be exposed to

the process from a suspect being questioned to the convicted being placed in prison. In the Criminal Investigations class, you will study evidence collection, interview techniques, and proper documentation. Each class invites numerous guest speakers and takes several field trips. In order to enroll, you should possess personal characteristics such as honesty, good judgment, integrity and a sense of responsibility. You may be eligible to earn college credits for the successful completion of each class.

Culinary Arts

Having a reputation for preparing and serving fine food is an asset to any establishment, whether it prides itself on "home cooking" or exotic foreign cuisine. If you delight in "cooking up a storm," give this program a chance. The food service industry is expecting to expand faster than the average for all occupations well into the 21st century. As you sign up for this program, expect to be working with master chefs and practicing the art of cooking and serving.

Dental Health

You'll have a lot to smile about when you begin a dental internship as a high school student and earn high school credit at the same time. You'll have the opportunity to work side by side with a dentist or in a dental laboratory and learn many skills that will give you a head start to a successful career. If you are interested in learning more about dentistry, oral anatomy, x-rays, dental instruments, and lab procedures, then sign up today for this program.

Diesel Technology

Diesel technology has changed a lot in recent years. Diesel technicians today need formal training in the latest diagnostic equipment and must possess good reading and math skills in order to follow detailed service manuals and work with computer based software. Skilled diesel technicians are in demand today. So, if you are interested in working on diesel fueled trucks and large heavy equipment, then sign up for this program today. This program is ASE/NATEF certified.

Early Childhood Education Careers Program

The world of four and five years olds is filled with wonder and excitement. The Education and Early Childhood Program is designed to help you learn about all of the skills you will need for employment in this field. In Hobart High School's, Brickie Kidz Preschool, you will experience direct interaction with a Prekindergarten class, under the supervision of a licensed teacher. You will learn how to prepare lesson plans and classroom activity centers. You will observe children as they play through the one-way mirrors between the classroom and the observation room for their various characteristics and behaviorisms. This classroom experience guarantees you hands-on time with the children. *Students enrolled in this program for two years can earn up to 12 college credits and MAY earn the required clock hours needed to qualify for the NATIONAL CHILD DEVELOPMENT ASSOCIATE (CDA) CREDENTIAL. * If you truly enjoy working with young children and are planning to seek employment in this area this is the program for you

Electronics and Computer Technology

Your future is bright if you wish to enter this field as a career. Employment opportunities are expected to increase faster than the average rate for all occupations due to an increased demand for computers, communications equipment, military electronics, and electronic consumer goods. If you choose this "hands-on" program, you'll have the opportunity to work on amplifiers, computers, fiber optics, robotics, two-way radio communications and much more.

Emergency Rescue Technology Academy

The students enrolled in the program will have many unique opportunities. Students will learn to **take care of critically ill and injured patients** through lecture, lab, and clinical experiences, and develop strong communication and leadership skills that will last a life time. This fast-paced and challenging course is taught in a relaxed college atmosphere and requires extensive hands-on training. Students will be responding on fire apparatus and ambulances on actual emergency calls. Students will be exposed to various aspects of the fire service and emergency medical services. Additional topics covered include; orientation to fire department operations, arson investigation, Mandatory Firefighter, vehicle extrication, injury prevention and technical rescue. In order to enroll you should possess personal characteristics such as honesty, good judgment, respect for human dignity and a strong sense of ethics. Upon completion of the program, students are eligible to obtain state certification as an **Emergency Medical Technician** from a nationally accredited program. Students may also receive credentialing as a **Firefighter** and eligible to Apply as a firefighter. You may be eligible for 6 credit hours from Vincennes University. Students may also continue in a two-year EMS Associate Degree Program to become a **Paramedic**.

Entrepreneurship / Sports & Entertainment Marketing

Sports & Entertainment Marketing Business Ownership Lab. If you are a team player and don't want to be a spectator in life, participate in your business career now. You will learn how to develop sporting event promotions like the professionals do, open and operate a local business and earn credits in three different courses. You earn economics credit, business ownership credit, sports and entertainment marketing credit as well as six college credits. So if you are a "people person", experience the excitement of owning, operating, and managing your own business while still in high school!

Fundamentals of Sports Medicine

Sign up for Fundamentals of Sports Medicine if you'd like a hands-on class that will teach you techniques to help others prevent and treat sports injuries. You might find yourself going on to be an athletic trainer, physical therapist or other health care professional by earning the appropriate college degree(s). Students in the class learn about anatomy, first aid, CPR, vital signs, and the prevention and treatment of sprains, strains and other ailments. They get an opportunity to work side-by-side with a certified athletic trainer and get a chance to decide if this is the field for them. The field is expected to grow much faster than average through at least 2018.

Graphic Imaging Technology

In years to come, opportunities for a career in this field will be great due to the advancement of technologies and anticipated growth in advertising, public relations, and print communications. You'll be able to see your name in print by signing up for this program. Learn how the industry functions and follow an idea through the creative stages, layout, and production by using the offset printing process. If you sign up for this program, you will be prepared for an entry-level position in the graphic communications industry.

Health Careers- Health Science Education 1

Can you stay calm during an emergency situation? Can you control your emotions in the event of an accident? Would you be able to help a stray dog needing assistance? Could you imagine working in a dental office? If the answer to any of these questions describes you, then you might be the perfect student to enroll in the Health Careers Class. Health careers are the fastest growing occupational area in the economy with a tremendous demand for trained employees. This introductory class will focus on the vast number of diverse health career options including nursing, dental, radiography, phlebotomy, emergency medical technician, veterinary medicine, pharmacy, among the many other opportunities. You will learn about medical procedures in a hands-on environment. Many career options will be discussed. You will learn about basic anatomy and physiology as well as medical terminology. This class prepares you for the world of work, post-secondary training, or for additional advanced career and technical education courses such as Health Occupations, Dental Health, or Fundamentals of Sports Medicine. This class will help you select the correct career path for your future! Upon successful completion of this class, you will earn up to six credits from Ivy Tech Community College.

Health Occupations– Health Science Education 2

If you're looking for the opportunity to succeed and have dreams of helping others, then focus on this career. Growth patterns for employment in this field are projected to increase through the year 2010. This program will equip you with a working knowledge of different occupations within the medical field. You'll learn the skills and procedures necessary to function in such health agencies as hospitals, nursing homes, or doctors' offices. You can also use this education as a stepping stone to pursue further education in the medical field. And, if you qualify, you'll even receive a State Nurse Aide Certificate.

Health Science Education 1 with Medical Terminology / Anatomy– Physiology

Have you ever thought of yourself at work wearing a stethoscope around your neck? Do you know the difference between a nurse practitioner and a registered nurse? Would you like the opportunity to earn college credit while a junior or senior in high school? Do you like a "hands-on" approach to learning? This is your class! Lessons will be taught by using a variety of approaches, including lecture and discussion, anatomy dissection labs, medical competency labs, clinical rotations, and a job shadowing component. You will master medical terminology while studying the normal structure and function of the human body as compared to the disease process of the human body. This course is structured with an emphasis on anatomy and physiology as well as medical terminology. You can earn a science credit along with an elective credit! The instructors and professional health care staff work together to teach lessons that complement one another and provide many "hands on" opportunities. You also have an opportunity to earn dual credit at Indiana University Northwest in Gary, Indiana and at any one of the many Indiana locations of Ivy Tech Community College. This course requires that all students, participating in clinical experiences at hospitals and community clinics, must submit records verifying current immunizations in HBV and submit a current TB test.

Horticulture Science

If you like working with plants and designing landscapes, then this is the career and technical program for you. An onsite greenhouse will give you hands on experience in areas of plant production, installation, marketing, and management of landscape plants and products. You will also learn to use Pro Landscape, the latest CAD software program to create landscape designs. You will enjoy extended field trips several times a month to explore all career areas and apply newly learned skills in landscape design and plant science. Students can receive a Core 40 and Academic Honors Diploma Science credit for plant science in this program. They can also receive dual credit with Vincennes University.

Industrial Mechanics

Sign up for the Industrial Mechanics course if you are interested in a welding or manufacturing career. You will spend about twenty-five percent of your class time learning the three basic welding processes, which include stick welding, wire welding and Tig welding. You will also learn to operate the plasma arc machines. Industrial mechanics install machinery, use precision measuring devices and operate complex tools, in a variety of manufacturing businesses. The industrial mechanic is the key problem solver in the workplace. Sign up for this class because it will give you a "jumpstart" in your manufacturing career.

Precision Machining

If you have an interest in a manufacturing career, you should check out the Modern Machining Technology class. You will learn basic machining techniques, CNC machining, computer aided machining (CAM), quality control processes and basic mechanics. At the completion of the program, you will be prepared for a career in machining or a step ahead at any engineering major at college. You can earn articulated or dual credit in college by participating in this program. Sign up today.

Video Production & Media Studies

Do you want to know how to produce a TV show, be a news reporter or shoot and edit your own films? Would you like to be on the cutting edge in the communications field? If these are career paths that are appealing to you, then consider signing up for this program. Video Production and Media Studies will provide instruction in various communication, media, production, and technical functions and tasks performed by employees, including management personnel, in broadcasting and communications occupations. Emphasis will be placed on career opportunities, production, programming, announcing, equipment operation, news and sports casting, broadcasting regulations and laws, technical, oral/written communication, and listening skills. Video Production and Media Studies students will learn the five components of television: camera operations, audio, lighting, writing, and editing. Students will have the opportunity to learn editing, directing, producing, camera operation, audio and lighting. You will train on professional equipment, creating a variety of video projects, including music videos, commercials, and short films. Students should have a strong interest in fine arts, speech, production, journalism, and electronics.

Welding Technology

A trained welder has many opportunities in Northwest Indiana for a rewarding career in industry, construction, small job shops, or self-employment. You'll learn how to join metal parts by using a heating process during the course of this program. The experienced welder makes excellent wages, but must be willing to work under conditions that often require strenuous physical activity. Just remember, at the completion of this program, you'll be ready for employment.

SCIENCE DEPARTMENT

For a Core 40 diploma, students are required to take the following:

1. **Biology I or Biology I Honors**
2. **Chemistry, ICP, or Physics**
3. **One additional Science Course: Environmental Science, Physics, AP Biology, Honors Anatomy & Physiology, AP Chemistry, or one of the Biomedical courses**

81062 - Biology I**Grade 9 2 semesters**

Biology I provides, through regular laboratory and field investigations, a study of the structures and functions of living organisms and their interactions with their environment. At a minimum, this study explores the functions and processes of cells, tissues, organs, and systems within various species of living organisms and the roles and interdependencies of organisms within populations, communities, ecosystems, and the biosphere. Students have opportunities to: (1) gain an understanding of the history of the development of biological knowledge, (2) explore the uses of biology in various careers, and (3) investigate biological questions and problems related to personal needs and social issues.

82062 - Biology I Honors**Grade 9 2 semesters**

Biology I provides, through regular laboratory and field investigations, a study of the structures and functions of living organisms and their interactions with their environment. At a minimum, this study explores the functions and processes of cells, tissues, organs, and systems within various species of living organisms and the roles and interdependencies of organisms within populations, communities, ecosystems, and the biosphere. Students have opportunities to: (1) gain an understanding of the history of the development of biological knowledge, (2) explore the uses of biology in various careers, and (3) investigate biological questions and problems related to personal needs and social issues.

70069 - Integrated Chemistry/Physics**Grade 10 2 semesters**

Integrated Chemistry-Physics introduces the fundamental concepts of scientific inquiry, the structure of matter, chemical reactions, forces, motion, and the interactions between energy and matter. This course will serve students as a laboratory-based introduction to possible future course work in chemistry or physics while ensuring a mastery of the basics of each discipline. The ultimate goal of the course is to produce scientifically literate citizens capable of using their knowledge of physical science to solve real-world problems and to make personal, social, and ethical decisions that have consequences beyond the classroom walls.

70067 - Chemistry I	Grades 10-12	2 semesters
Pre-requisite: Completion of Algebra I with a "B" average. Chemistry I allows students to synthesize useful models of the structure of matter and the mechanisms of its interactions through laboratory investigations of matter and chemical reactions. Students have opportunities to: (1) gain an understanding of the history of chemistry, (2) explore the uses of chemistry in various careers, (3) investigate chemical questions and problems related to personal needs and social issues, and (4) learn and practice laboratory safety.		
3064 - Chemistry I Honors	Grade 10	2 semesters
Pre-requisite: Completion of Algebra I with an A or Honors Algebra I with at least a B and teacher recommendation. Chemistry I Honors allows students to synthesize useful models of the structure of matter and the mechanisms of its interactions through laboratory investigations of matter and chemical reactions. Students have opportunities to: (1) gain an understanding of the history of chemistry, (2) explore the uses of chemistry in various careers, (3) investigate chemical questions and problems related to personal needs and social issues, and (4) learn and practice laboratory safety.		
70066 - Environmental Science	Grades 11-12	2 semesters
In this class students will investigate, through laboratory and field work, the concepts of environmental systems, how matter and energy flows through these systems, populations, natural resources, and environmental hazards. The student will also gain the understanding of the historical perspectives from many different investigators.		
70068 - AP Chemistry (CAN BE TAKEN FOR COLLEGE CREDIT)	Grades 11-12	2 semesters
Students who sign up for this course will be reviewed on the following criteria: Chemistry grade (recommended "A" in Chemistry I or "B" in Chemistry I Honors; It is also recommended that students complete Algebra II before taking AP Chemistry) AP Chemistry is a fast-paced course that provides an opportunity for highly motivated high school students to pursue college-level work. Students will have satisfactorily completed two semesters of chemistry to be admitted. The course is structured to follow the curriculum prescribed by the College Board in preparation for the National AP Chemistry examination. The course will be modeled after a typical college chemistry course. The primary focus of study will include molecular structure & bonding, chemical kinetics & concepts of equilibrium. The course will move quickly & require a good deal of preparation outside the classroom.		
70070 –Honors Physics I (CAN BE TAKEN FOR COLLEGE CREDIT)	Grades 11-12	2 semesters
Pre-requisite: Completion of Algebra I and Geometry; C Average in these courses is strongly recommended. Physics I aids students in synthesizing the fundamental concepts and principles concerning matter and energy through the laboratory study of mechanics, wave motion, heat, light, electricity, magnetism, electromagnetism, and atomic and nuclear physics. Students have opportunities to: (1) acquire an awareness of the history of physics and its role in the birth of technology, (2) explore the uses of its models, theories, and laws in various careers, and (3) investigate physics questions and problems related to personal needs and social issues.		
70071 - AP Biology (CAN BE TAKEN FOR COLLEGE CREDIT)	Grades 11-12	2 semesters
Prerequisite: Biology I, Chemistry I (students should have a "B" or higher in these courses); Project Lead the Way Courses The AP Biology course is designed to be the equivalent of a two-semester college introductory biology course usually taken by biology majors during their first year. AP Biology should include those topics regularly covered in a college biology course for majors including (1) Science as a Process, (2) Evolution, (3) Energy Transfer, (4) Continuity and Change, (5) Relationship of Structure to Function, (6) Regulation, (7) Interdependence in Nature, and (8) Science, Technology, and Society. The AP Biology course is designed to be taken by students after the successful completion of a first course in high school biology and one in high school chemistry as well. It aims to provide students with the conceptual framework, factual knowledge, and analytical skills necessary to deal critically with the rapidly changing science of biology.		
70072—Honors Anatomy and Physiology	Grades 11-12	2 semesters
It is recommended by the teacher that students complete both Health and Biology I before taking Honors A&P. Anatomy & Physiology is a course in which students investigate concepts related to Health Science, with emphasis on interdependence of systems and contributions of each system to the maintenance of a healthy body. Introduces students to the cell, which is the basic structural and functional unit of all organisms, and covers tissues, integument, skeleton, muscular and nervous systems as an integrated unit. Through instruction, including laboratory activities, students apply concepts associated with Human Anatomy & Physiology. Students will understand the structure, organization and function of the various components of the healthy body in order to apply this knowledge in all health related fields.		
70491-PLTW Principles of the Biomedical Sciences (CAN BE TAKEN FOR COLLEGE CREDIT)	Grade 9	2 semesters
Pre-requisite: Teacher/Counselor recommendation This course provides an introduction to the biomedical sciences through exciting "hands-on" projects and problems. Student work involves the study of human medicine, research processes		

and an introduction to bio-informatics. Students investigate the human body systems and various health conditions including heart disease, diabetes, sickle-cell disease, hypercholesterolemia, and infectious diseases. A theme through the course is to determine the factors that led to the death of a fictional person. After determining the factors responsible for the death, the students investigate lifestyle choices and medical treatments that might have prolonged the person's life. Key biological concepts including: homeostasis, metabolism, inheritance of traits, feedback systems, and defense against disease are embedded in the curriculum. Engineering principles including: the design process, feedback loops, fluid dynamics, and the relationship of structure to function are incorporated in the curriculum where appropriate. The course is designed to provide an overview of all the courses in the Biomedical Sciences program and to lay the scientific foundation necessary for student success in the subsequent courses.

70490 - PLTW Human Body Systems (CAN BE TAKEN FOR COLLEGE CREDIT)

Grade 10

2 semesters

Pre-requisite: Successful completion of Principles of the Biomedical Sciences

The human body is a complex system requiring care and maintenance. This course will engage students in the study of basic human physiology, especially in relationship to human health. Students will use a variety of monitors to examine body systems (respiratory, circulatory, and nervous) at rest and under stress, and observe the interactions between the various body systems. Students will use LabView® software to design and build systems to monitor body functions.

70489– PLTW Medical Intervention (CAN BE TAKEN FOR COLLEGE CREDIT)

Grade 11

2 semesters

Pre-Requisites: Principles of Biomedical Science & Human Body Systems

Medical intervention is a course that studies medical practices including interventions to support humans in treating disease and maintaining health. Using a project-based learning approach, students will investigate various medical interventions that extend and improve quality of life, including gene therapy, pharmacology, surgery, prosthetics, rehabilitation, and supportive care. Students will also study the design and development of various interventions including vascular stents, cochlear implants, and prosthetic limbs. Lessons will cover the history of organ transplants and gene therapy with additional readings from current scientific literature addressing cutting edge developments. Using 3-D imaging software, students will design and build a model of a therapeutic protein. Schools must agree to be part of the Project Lead The Way network and follow all training and data collection requirements.

70488– PLTW Biomedical Innovation (CAN BE TAKEN FOR COLLEGE CREDIT)

Grade 12

2 semesters

In this capstone course students design and conduct experiments related to the diagnosis, treatment, and prevention of disease or illness. They apply their knowledge and skills to answer questions or to solve problems related to the biomedical sciences. They may work with a mentor or advisor from a university, hospital, physician's office, or industry as they complete their work. Students are expected to present the results of their work to an adult audience, which may include representatives from the local healthcare or business community or the school's PLTW partnership team. Prerequisites: For all other courses, the prerequisites are the courses earlier in the series. Students may double up and take more than one PLTW Biomedical Sciences course in order to complete the program. If a student starts the program in 10th grade it is recommended that they take one course per year until their senior year when they take both Medical Interventions and Biomedical Innovations.

SOCIAL STUDIES DEPARTMENT

70076 - World History & Civilization

Grade 10

2 semesters

World History is a two-semester course. It emphasizes events and developments in the past that greatly affected large numbers of people across broad areas of the earth and that significantly influenced peoples and places in subsequent eras. Some key events and developments pertain primarily to particular people and place; others, by contrast, involve transcultural interactions and exchanges between various peoples and places in different parts of the world. Students are expected to practice skills and processes of historical thinking and inquiry that involve chronological thinking, comprehension, analysis and interpretation, research, issues-analysis, and decision-making. They are expected to compare and contrast events and developments involving diverse peoples and civilizations in different regions of the world. Students are expected to examine examples of continuity and change, universality and particularity, and unity and diversity among various peoples and cultures from the past to the present. Finally, students are expected to apply content knowledge to the practice of thinking and inquiry skills and processes. There should be continuous and pervasive interactions of processes and content, skills and substance, in the teaching and learning of history.

1556– Advanced Placement European History

Grade 10-12

2 semesters

Students selecting AP European History will be subject to a review of their Lexile level, freshmen English grade, and GPA.

The AP European History course focuses on cultural, economic, political, and social developments. These focus areas provide context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse. Elective credit is earned for this course.

70077- United States History**Grade 11 2 semesters**

United States History is a two-semester course, which builds upon concepts developed in previous studies of American history. Students in this course are expected to identify and review significant events, persons, and movements in the early development of the nation. After providing such a review, the course gives major emphasis to the interaction of key events, persons, and groups with political, economic, social, and cultural influences on state and national development in the late nineteenth, twentieth, and early twenty-first centuries. Students are expected to trace and analyze chronological periods and examine the relationship of significant themes and concepts in Indiana and United States history. They are expected to develop skills and processes of historical thinking and inquiry that involve chronological thinking, comprehension, analysis and interpretation, and research that uses primary and secondary sources found at local and state historic sites, museums, libraries, and archival collections, including electronic sources. Opportunities are given to develop inquiry skills by gathering and organizing information from primary source material and a variety of historical and contemporary sources, accounts, and documents which provide diverse perspectives. Investigation of themes and issues includes cultural pluralism and diversity of opinion in American society. Students should exercise their skills as citizens in a democratic society by engaging in problem solving and civic decision-making in the classroom, school, and community setting.

70079 - AP United States History (CAN BE TAKEN FOR COLLEGE CREDIT)**Grades 11-12 2 semesters**

Students selecting AP US History will be subject to a review of their Lexile level, World History grade, and GPA.

This two-semester course covers all the Academic Standards with emphasis on critical thinking and writing. Students are prepared for the AP examination in May by covering colonial America before 1763, The Era of the American Revolution, The New Nation, Jackson and the West, Coming of the Civil War, Civil War, and Reconstruction, Growth of Industrial America, Populists, and Progressives, World War I, World War II, the Post-War Period, the Cold War and after, 1945-present day. Oral presentations and relevant videos supplement the text. *Students are required to take the AP exam OR sign up for dual credit.

70082 - Economics**Grade 12 1 semester**

Economics is the social studies course that examines the allocation of scarce resources and their alternative uses for satisfying human wants. This course analyzes the economic reasoning used as consumers, producers, savers, investors, workers, voters, and government agencies make decisions. Key elements of the course include a study of scarcity and economic reasoning, supply and demand, market structures, the role of government, national income determination, money and the role of financial institutions, economic stabilization, and trade. Students will explain that because resources are limited, people must make choices in all aspects of daily life and demonstrate understanding of the role that supply, demand, prices, and profits play in a market economy. Students will examine the functions of government in a market economy and study market structures, including the organization and role of businesses. Students will understand the role of economic performance, money, stabilization policies, and trade of the United States. While the economic way of thinking involves scientific tools and techniques, economics remains a social science, which endeavors to systematically study the behavior of people, institutions, and societies.

70083 - United States Government**Grade 12 1 semester**

United States Government provides a framework for understanding the purposes, principles, and practices of constitutional representative democracy in the United States of America. Responsible and effective participation by citizens is stressed. Students will understand the nature of citizenship, politics, and government when they understand their rights and responsibilities as citizens and be able to explain how those rights and responsibilities as citizens are part of local, state, and national government in the United States today. Students examine how the United States Constitution protects individual rights and provides the structures and functions for the various levels of government affecting their lives. Students will also analyze how the United States government interacts with other nations and evaluate the United States' role in world affairs. Students inquire about American government through primary and secondary sources and articulate, evaluate, and defend positions on political issues with sound reasoning and evidence. As a result, students can explain the roles of citizens in the United States and the participation of individuals and groups in government, politics, and civic activities, recognize the need for civic and political engagement of citizens, and exercise rights and responsibilities in order to preserve and improve their civil society and constitutional government.

70084—AP US Government (CAN BE TAKEN FOR COLLEGE CREDIT)**Grade 12 1 semester**

Students selecting AP US Government will be subject to a review of their Lexile level, World History and US History grades, and GPA.

AP United States Government and Politics is a course based on the content established and copyrighted by the College Board. AP United States Government and Politics introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States. The course examines politically significant concepts and themes, through which students learn to apply disciplinary reasoning assess causes and consequences of political events, and interpret data to develop evidence-based arguments. Topics include: (1) constitutional underpinnings, (2) political beliefs and behaviors, (3) political parties, interest groups, and mass media, (4) institutions of national government, (5) public policy, and (6) civil rights and civil liberties. *Students are required to take the AP exam OR sign up for dual credit.

70086 - Sociology**Grades 11-12 1 semester**

Sociology provides opportunities for students to study human social behavior from a group perspective. The sociological perspective is a distinct method of studying recurring patterns in

people's attitudes and actions and how these patterns vary across time, among cultures, and in social groups. Students will describe the development of sociology as a social science and identify methods and strategies of research. Students examine society, group behavior, and social structures through research methods using scientific inquiry. The influence of culture on group behavior is addressed through areas of content including social institutions such as the family, religion, education, economics, government, community organizations, and political and social groups. Students will also explore the impacts of social groups and social institutions on individual and group behavior and examine the changing nature of society. The development of group organizations and interactions, the factors that influence group behavior and social problems, and the impact of cultural change on society are included in the study. Students will analyze a range of social problems in today's world and examine the role of the individual as a member of the community.

70087 - Psychology I

Grades 10-12 1 semester

Psychology is the scientific study of mental processes and behavior. The Standards have been divided into six content areas. These areas include: Scientific Methods, Developmental, Cognitive, Personality, Assessment and Mental Health, Socio-cultural and Biological Bases of Behavior. In the Scientific Methods area, research methods and ethical considerations are discussed. Developmental psychology takes a lifespan approach to physical, cognitive, language, emotional, social, and moral development. Cognitive aspects of psychology focuses on learning, memory, information processing, and language. Personality, Assessment and Mental Health topics include psychological disorders, treatment, personality, and assessment. Socio-cultural dimensions of behavior deal with topics such as conformity, obedience, perceptions, attitudes, and the influence of the group on the individual. The Biological Bases focuses on the way the brain and nervous system functions, including topics such as sensation, perception, motivation, and emotion.

70090 - Psychology II

Grades 10-12 1 semester

This course is a continuation of Psychology I. Topics covered include: sensation and perception, learning, thinking, language. Social Psychology, emotion, motivation and others. Evaluation is based on essays, objective exams, & class participation.

70092 - AP Psychology (CAN BE TAKEN FOR COLLEGE CREDIT)

Grade 11-12 2 semesters

Students selecting AP Psychology will be subject to a review of their Lexile level, World History grade, and GPA.

AP Psychology is a course based on the content established and copyrighted by the College Board. The AP Psychology course introduces students to the systematic and scientific study of human behavior and mental processes. While considering the psychologists and studies that have shaped the field, students explore and apply psychological theories, key concepts, and phenomena associated with such topics as the biological bases of behavior, sensation and perception, learning and cognition, motivation, developmental psychology, testing and individual differences, treatment of abnormal behavior, and social psychology. Throughout the course, students employ psychological research methods, including ethical considerations, as they use the scientific method, analyze bias, evaluate claims and evidence, and effectively communicate ideas. Topics include: History and Approaches; Research Methods; Biological Bases of Behavior; Sensation and Perception; States of Consciousness; Learning; Cognition; Motivation and Emotion; Developmental Psychology; Personality; Testing and Individual Differences; Abnormal Behavior; Treatment of Abnormal Behavior; and Social Psychology. Students are required to take the AP exam in May OR sign up for dual credit.

1564—AP Macroeconomics

Grade 12 1 semester

Students selecting AP Macroeconomics will be subject to a review of their Lexile level, World History grade, and GPA.

AP Macroeconomics is a course based on the content established and copyrighted by the College Board. The course is not intended to be used as a dual credit course. AP Macroeconomics is an introductory college-level course that focuses on the principles that apply to an economic system as a whole. The course places particular emphasis on the study of national income and price-level determination; it also develops students' familiarity with economic performance measures, the financial sector, stabilization policies, economic growth, and international economics. Students learn to use graphs, charts, and data to analyze, describe, and explain economic concepts. Topics include: Basic Economic Concepts; Measurement of Economic Performance; National Income and Price Determination; Financial Sector; Stabilization Policies; and Economic Growth. Students are required to take the AP exam in May.

1512—Current Problems, Issues, and Events

Grades 10-12 1 semester

Current Problems, Issues, and Events gives students the opportunity to apply investigative and inquiry techniques to the study of significant problems or issues. Students develop competence in (1) recognizing cause and effect relationships, (2) recognizing fallacies in reasoning and propaganda devices, (3) synthesizing knowledge into useful patterns, (4) stating and testing hypotheses, and (5) generalizing based on evidence. Problems or issues selected will have contemporary historical significance and will be studies from the viewpoint of the social science disciplines. Community service programs and internships within the community may be included.

SPECIAL AREAS

70218—Criminal Justice I

Grades 11-12 2 semesters

Students need to have 2.00 GPA or higher.

Introduces specialized classroom and practical experiences related to public safety occupations such as law enforcement, loss prevention services, and homeland security. This course provides an introduction to the purposes, functions, and history of the three primary parts of the criminal justice system as well as an introduction to the investigative process. Oral and written communication skills should be reinforced through activities that model public relations and crime prevention efforts as well as the preparation of police reports. This course provides the opportunity for dual credit for students who meet postsecondary requirements for earning dual credit and successfully complete the dual credit requirements of this course.

70217—Criminal Justice II

Grades 11-12 2 semesters

Students need to have 2.00 GPA or higher and must have passed Criminal Justice I.

Criminal Justice II introduces students to concepts and practices in traffic control as well as forensic investigation at crime scenes. Students will have opportunities to use mathematical skills in crash reconstruction and analysis activities requiring measurements and performance of speed/acceleration calculations. Additional activities simulating criminal investigations will be used to teach scientific knowledge related to anatomy, biology, and chemistry as well as collection of evidence, developing and questioning suspects, and protecting the integrity of physical evidence found at the scene and while in transit to a forensic science laboratory. Procedures for the use and control of informants, inquiries keyed to basic leads, and other information-gathering activity and chain of custody procedures will also be reviewed.

70210—Health Science II: Medical Forensics

Grades 11-12 2 semesters

Health Science Education II: Medical Forensics is a course designed to prepare students to assume the role of a forensic examiner assistant through the practice and application of previously learned technical skills. Some of those skills include information learned about healthcare and delivery systems, employment opportunities, medical terminology, and legal and ethical considerations. While under the direction of licensed Forensic Examiners, and in an extended work based learning laboratory experience, students are prepared with the knowledge, skills and attitudes essential for basic forensics.

70629—Health Science I: Medical Assisting (To be taken junior year in preparation for Health Science II: Medical Assisting)

Grade 11 2 semesters

Health Science Education I is a course designed to provide a foundation of skills development to specific health careers including; patient care, dental care, animal care, medical laboratory, and public health. Students will also receive an introduction to healthcare systems, anatomy, physiology, and medical terminology. Laboratory experiences with industry applications are organized and planned around the activities associated with the student's career objectives. Job seeking and job maintenance skills, personal management skills, self-analysis to aid in career selection and completion of the application process for admission into a postsecondary program of their choice are also included in this course. Participation in HOSA encourages the development of leadership, communication and career related skills, and opportunities for community service.

*This is a Porter County Career Course and will take up 3 spots on a student's schedule each semester.

70630—Health Science II: Medical Assisting

Grade 12 2 semesters

Health Science Education II: Special Topics is an extended laboratory experience designed to address the advancement and specialization of healthcare careers through the provision of a specialized course for a specific healthcare workforce need in the school's region. Practicum is at the student's choice of clinical site, and is designed to give the student the opportunity to practice technical skills previously learned in the classroom; all while working under the direction of the appropriately licensed healthcare professional. Throughout the course, students will focus on learning about the healthcare system and employment opportunities at a variety of entry levels; an overview of the healthcare delivery systems, healthcare teams, and legal and ethical considerations; and obtaining the knowledge, skills and attitudes essential for providing basic care in a variety of healthcare settings. Additionally, students will build their essential job related skills for providing basic care appropriate for their healthcare setting and audience. Course standards and curriculum must be tailored to the specific healthcare profession, preparing students to advance in this career field, and where applicable, provide students with opportunities for certification or dual credit. This course also provides students with the knowledge, attitudes, and skills needed to make the transition from school to work in health science careers. Students are encouraged to focus on self-analysis to aid in their career selection. Job seeking and job maintenance skills, personal management skills, and completion of the application process for admission into a post-secondary program are also areas of focus. Participation in HOSA encourages the development of leadership, communication and career related skills, and opportunities for community service.

*This is a Porter County Career Course and will take up 3 spots on a student's schedule each semester.

Work Based Learning Program

Grades 11-12 1 semester

*Cadet Teaching is now a part of WBL

Application Required

Work Based Learning is an instructional course / component of any CTE course that prepares students for college and career. This builds students' skills and knowledge in their chosen career path or furthers their study within the area of interest. A standards based training plan is developed by the student, teacher, and workplace mentor to guide the student's work based learning experiences and assist in evaluating achievement and performance.

In the stand-alone WBL courses, students have the opportunity to apply the concepts, skills, and dispositions learned in previous coursework in their pathways in real world business and industry settings. Therefore, at least two courses in a student's pathway would be prerequisite to the student enrolling in the stand-alone WBL courses. There are several models of Work Based Learning. A school may choose to use a single model or differentiate instruction by using multiple models depending on a student's pathway and career objectives. The models are: Apprenticeship, Cooperative, Internship, School Based Enterprise, Service Learning Based

The following Work Based Learning courses are available:

- 5974 Work Based Learning, Multiple Pathway
- 5975 Work Based Learning, Advanced Manufacturing and Engineering
- 5260 Work Based Learning, Business and Marketing
- 5480 Work Based Learning, Family and Consumer Sciences
- 5207 Work Based Learning, Health Sciences
- 5892 Work Based Learning, Trade and Industry

- Required Prerequisites: 4 credits of introductory and advanced courses related to a student's pathway.
- Be a junior or senior.
- Have NO failing grades in the preceding semester.
- Maintain a good record of attendance and timeliness. This means your attendance does not exceed the allowed amount; you have NO truancies, and few or no tardies.
- Have no significant disciplinary problems.
- Have an idea of where you want to intern and why

70211 - Cadet Teaching Experience I: Education Seminar

Grades 10-12 1 semester

Pre-requisites:

1. "C" in regular English
2. 2.33 (C+) or higher GPA

Students interested in teaching as a profession can explore this exciting career. Emphasis is placed on developing a philosophy of education, understanding classroom management & etiquette, addressing multiple intelligences, using technology, planning lessons, observing classrooms, & researching trends in education. Students will also have the opportunity to participate in guest speaker presentations/discussions. This course is highly recommended for those planning to cadet teach.

70213 - Study Hall

Grades 9-12 1-2 semesters

Study Hall allows students time to complete homework, study, prepare for classes or receive extra help. Students receive NO CREDIT for study hall.

70214 - Student Assistant

Grades 11-12 1-2 semesters

Approval by Student Services

Students assist teachers & office personnel on various tasks. This is a NO CREDIT situation & cannot be taken in combination with a study hall during the same quarter(s).

- Be a junior or senior.
- Have a 2.0 grade point average with NO failing grades (Cumulative GPA on current transcript).
- Maintain a good record of attendance and timeliness. This means your attendance does not exceed the allowed amount; NO truancies, and few or no tardies.
- No significant disciplinary problems

WORLD LANGUAGES DEPARTMENT

70117 - Humanities (Passport to Culture)

Grades 9-12 1 semester

Students study French, German & Spanish-speaking countries including the people, lifestyle, travel & tourism. This course is taught in English & does NOT count towards world language credit. *Teacher availability may limit course content to two world cultures.

Students wishing to enroll in the next level of language must complete the previous level of the course with a grade of C– or higher. For example, you must earn a C– in Spanish I to move on to Spanish II.

70095 - French I

Grades 9-12 2 semesters

French I students understand strategies and reasons for learning a world language while developing an understanding of the language, people, culture, and geography of the French-speaking world. Participating in simple, guided conversations, students ask and answer questions, respond to and give simple oral directions, use appropriate forms of address. Conversation topics include daily routines and events, sports, activities, hobbies, school, time, weather, seasons, and food. Students read words, phrases, and simple directions such as those on menus, signs, and schedules. Students write simple response phrases and sentences to various authentic situations such as a letter from a pen pal. Students write and present creative dialogues. Students understand cultural topics related to Quebec, Canada, and France. These topics include the typical school day and activities for teenagers, holidays, sports, food, the euro, and historical sites.

70096 - French II

Grades 9-12 2 semesters

French II students participate in simple conversations asking and responding to questions, telling about present and past personal experiences, and expressing preferences. Conversation topics include family, meals, daily activities, clothing, vacation, travel, and transportation. Students understand simple readings on familiar topics. Students respond in writing to letters and directions. Students write and present creative dialogues with further emphasis on pronunciation and intonation. Students understand cultural topics related to Southern France, the Ivory Coast, and Martinique. These topics include the metric system, mealtimes, guest and host expectations, the French telephone system, clothing and fashion, driving in francophone countries, vacation activities, music, and historical sites.

70097 - French III

Grades 10-12 2 semesters

French III students participate in conversations expressing preferences, feelings, advice, suggestions, sympathy, and congratulations. Conversation topics include homes, shopping, nature, health, and weekend and leisure time activities. Students understand authentic readings such as cartoons, poetry, and lyrics. Students write brief compositions; they also write and present creative dialogues. Students understand cultural topics related to Paris, the chateau region of France, and Monaco. These topics include travel and foreign study, Gothic architecture, Impressionism, and historical sites.

70098 - French IV (Honors)

Grades 11-12 2 semesters

French IV students use French to read, discuss, and write about French short stories, poetry, a novel, and historical texts. Students create and present interpretive skits based on the reading selections. Students role-play daily situations from the French-speaking world. Students research and present cultural projects selected from traditions, historical and contemporary events, and major historical and artistic figures from the French-speaking world. As a culminating project, students write and present an illustrated short story in which fine points of grammar and vocabulary are synthesized.

70099 - French V (Honors)

Grade 12 2 semesters

French V students use French to read, discuss, and write about French short stories, poetry, a novel, and historical texts. Students create and present interpretive skits based on the reading selections. Students role-play daily situations from the French-speaking world. Student's research and present cultural projects selected from historical and contemporary events, major historical and artistic figures, and major literary and artistic movements from the French-speaking world. As a culminating project, students write and present an autobiography in which fine points of grammar and vocabulary are synthesized.

70100 - German I

Grades 9-12 2 semesters

In German I students will learn and apply basic German listening, speaking, reading and writing skills in a context of everyday life situations. Students will also develop an understanding of the German culture and people. In particular, students will respond to and give oral directions, make routine requests in the classroom, and tell about daily routines and events. They will ask and answer simple questions and participate in brief guided conversations, interviews, or skits. Students will read words and phrases in texts such as menus, signs, and schedules and will also

read short narrative texts and dialogues. They will follow basic written instructions and write words, phrases, and simple responses. In addition, students will learn about cultural aspects of the German-speaking countries, important holidays, and geographical features as well as current events. They will learn about contributions Germans have made to the United States and about famous Germans and German-Americans. Additionally, they will learn about nonverbal communication and appropriate etiquette in a variety of social settings. Students will be instructed to apply effective strategies for language learning as part of this course.

70101 - German II

Grades 9-12 2 semesters

In German II, we continue our focus on real-life German. Throughout this course, students will be able to ask questions on everyday activities, participate in various topics of conversation, relate simple experiences, express preferences, and interact in situations where someone asks for permission, help or information. They will understand simple texts on familiar topics, read aloud with appropriate pronunciation and intonation, and write brief situational responses such as notes, directions, and letters. Significant historical events in Germany, Austria and Switzerland are highlighted, and students will learn about geographical features of these countries as well as their political structures. They will become familiar with traditions in art, architecture, literature, and music as well as with the etiquette of hospitality and social engagements.

70102 - German III

Grades 10-12 2 semesters

German III further introduces students to the arts, literature and current events in the German-speaking countries. The course continues to expand students' ability to carry on a conversation in a variety of settings and their ability to respond and participate appropriately in various social situations, family events and celebrations, and crisis situations. Students will read a variety of authentic materials from popular media and traditional literature. They will complete authentic forms and take notes using familiar vocabulary and structures. They will also write brief compositions and summaries. Students will describe aspects of German culture, using German where appropriate.

70103 - German IV (Honors)

Grades 11-12 2 semesters

German IV students are expected to speak and write German throughout the class. They are also expected to assume leadership roles in the German Club and to use opportunities to engage in extra-curricular activities related to German. Students in German IV will be able to interact in complex social situations, express opinions and paraphrase what someone else has said. They will read longer authentic materials and write longer, well-organized compositions on a given topic. They will also use German creatively in writing simple poetry and prose. They will give presentations on cultural topics and are aware of Germany's major literary, musical and artistic periods and genres. Students will also solidify their knowledge of the finer points of grammar in anticipation of taking college entrance exams.

70105 - Spanish I

Grades 9-12 2 semesters

In Spanish I students will learn how to ask and answer simple personal questions about themselves and others in order to participate in basic guided conversations. They will discuss the weather, tell time, locate people and things, and tell the date. They will learn how to express likes and dislikes, describe family members and friends, and ask one's age. They will report and make plans for weekend activities. They will understand schedules and learn how to make monetary exchanges. Students will explore the cultures of Spain, Mexico, and Spanish speaking areas of the United States and other parts of the world to enhance their appreciation of the culture and help them, when presenting classroom skits and writing more descriptive compositions. Modern videos and computer programs will enable students to observe and compare typical activities for teenagers. Experiencing typical cuisine and making an original cultural project will further enhance their appreciation of the culture. They will comprehend short texts on guided topics; write descriptions, and present dialogues. Students are encouraged to enhance these skills by practicing with others.

70106 - Spanish II

Grades 9-12 2 semesters

Spanish II will provide students opportunities to participate in both classroom and real-world scenarios. Students will build upon and strengthen their oral fluency through daily participation, dialogues and presentations. Students will also increase their ability to express cultural awareness, thoughts, opinions and beliefs through written assignments. Students will be able to express personal preferences and opinions, as well as ask others about theirs. Students will be able to actively participate in phone conversations, as well as give and receive invitations to a variety of events. Students will gain experience and knowledge of proper oral articulation. Students will be presented with native speakers engaged in dialogues in both CD and video formats. This exposure will help students develop listening comprehension and oral skills. Students will continue to develop their ability to use context clues in order to decipher the meanings, morals and purposes of readings, passages and dialogues. Students will learn about and be able to make comparisons regarding cultural differences in eating customs, lifestyles and family structures. Students will also gain respect and awareness for other cultures. Students will learn about colloquialisms through their study of dialogues, readings and customs from different Spanish-speaking countries. Students will learn about meeting personal needs by being able to ask for help and respond to situations where they are required to assist others. Students will learn to give directions and orders as well as listen to and complete given directions. Additionally, students will learn to order from a simple menu at a restaurant. Students will develop their ability to communicate ideas, experiences, feelings, beliefs and desires through the use of present and past verb tenses.

70107 - Spanish III**Grades 10-12 2 semesters**

Spanish III students will engage in daily conversations related to school situations, free-time activities, and formal and informal requests. Students will understand cultures of the Spanish-speaking world with emphasis on Spain, Mexico, the Caribbean, and regions in the United States. Topics will include family, traditions, travel, daily routines, foreign study, celebrations and art. Students will continue to develop their grammar skills with emphasis on the present, past, and imperfect verb tenses. Oral and written communication will be enhanced by student participation in dialogues, simulations, and thematic writing prompts. Students will be encouraged to express their feelings, ideas, and experiences by conversing with others to enhance their current language skills.

70108 - Spanish IV (Honors)**Grades 11-12 2 semesters**

Spanish IV students and the teacher will communicate in Spanish the majority of the time. In reading and discussing Spanish and Mexican legends, they will gain valuable knowledge of these two cultures. Through the study of famous leaders and their talents, they will become aware of Hispanic contributions to society. They will explore Spain and Mexico in depth, including the musical and artistic works of outstanding artists from those countries. Students will also experience and share the culture by preparing ethnic dishes and creating an original visual project. They will continue to learn and use new grammar and expand their knowledge of the verb tenses to practice them both in speaking and writing. These honor students will write Spanish essays and give speeches on specified topics as well as use their skills to write and illustrate an original short story. They will increase their vocabulary in a variety of situations and expand their grammar in preparation for taking college placement exams through role-playing real life situations. Students will be encouraged to seek opportunities to practice the language and to participate in extracurricular activities to continue to learn and grow.

70109 - Spanish V (Honors)**Grade 12 2 semesters**

On this level Spanish will be the means of communication for all. Spanish V will provide advanced Spanish students with opportunities to polish and practice both their spoken and written Spanish, while continuing to build on their grammar skills. They will demonstrate understanding of authentic prose and poetry originating in a variety of Spanish speaking countries. Through research they will gain knowledge of the twenty Spanish-speaking countries and their cultures. They will resume their study of famous Spanish speakers from around the Hispanic world to see how they have made an impact on society. They will write and word process autobiographies in addition to writing essays and a poem on given topics to express their thoughts, emotions, and feelings. They will continue to learn more complex grammatical concepts and learn new vocabulary used in a variety of locations in preparation for college placement exams. Through role-playing real life situations, students will reinforce necessary vocabulary to communicate effectively. Outside of the classroom, students will be encouraged to converse with Spanish speakers, whenever possible. Once again, students will prepare a typical ethnic dish to share with the class and create a visual to teach their classmates about an aspect of the Hispanic culture.

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