Hobart High School

Career Pathway & Course Description Guide 2018-2019

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Hobart, IN 46342
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www.hobart.k12.in.us

Hobart High School

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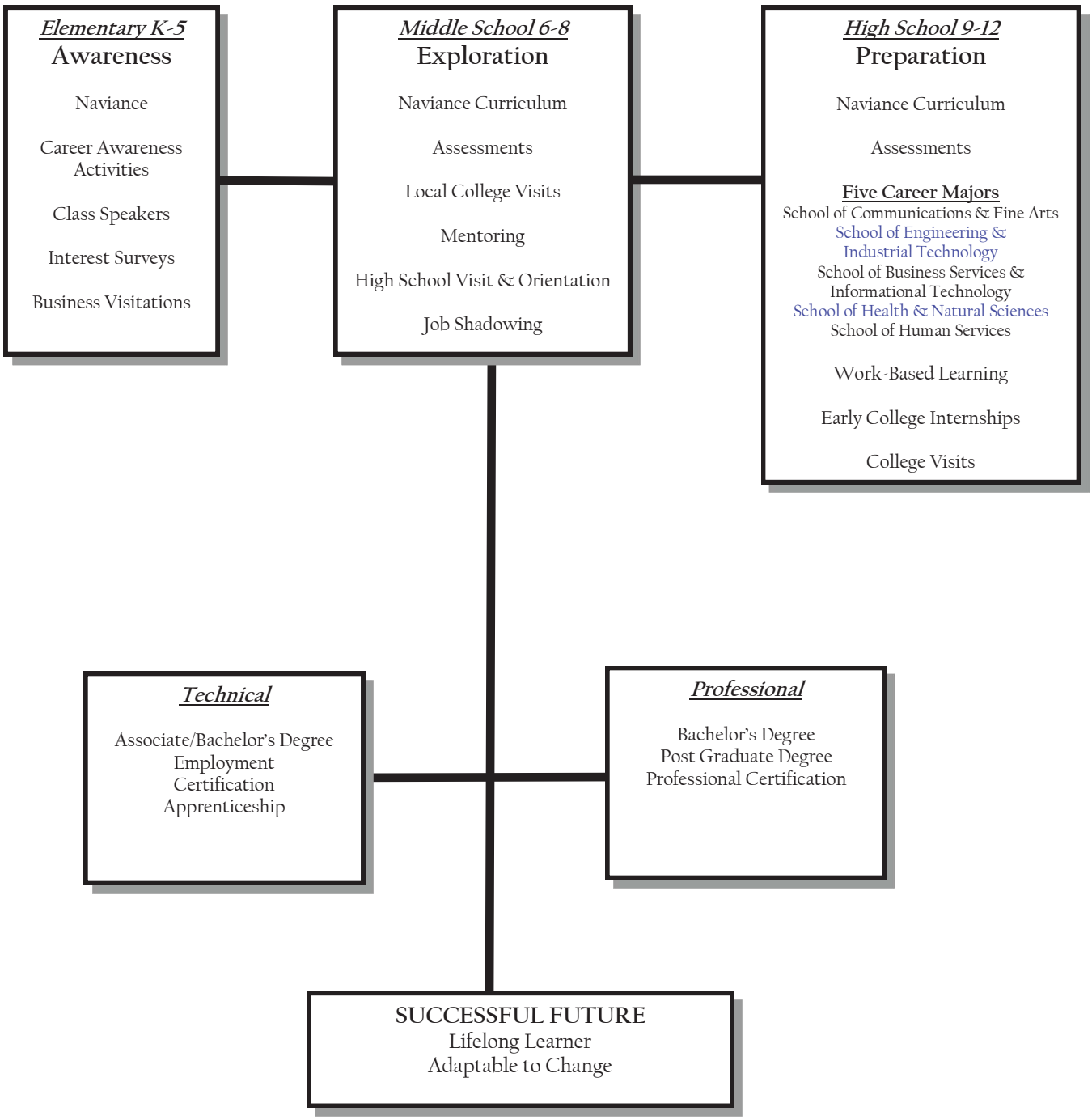
TABLE OF CONTENTS

SCHOOL CITY OF HOBART
Career Education Model



Graduation Pathways

Students in the graduating class of 2023 must satisfy ***all three*** of the following Graduation Pathway Requirements by completing one of the associated Pathway Options:

	Graduation Requirements	Graduation Pathway Options
1.	High School Diploma More info on page 5	Meet the statutorily defined diploma credit and curricular options.
2.	Employability Skills (students must complete at least one of the following) More info on page 6	• Project-Based Learning • Service-Based Learning • Work-Based Learning (Work Ethic Certificate)
3.	Postsecondary-Ready Competencies (students must complete at least one of the following) More info on page 8	• Honors Diploma • ACT • SAT • ASVAB • State- and Industry-recognized Credential or Certification • State-, Federal-, or Industry-recognized Apprenticeship • Career-Technical Education Concentrator • AP/Dual Credit courses • Locally Created Pathway

Students graduating in 2019, 2020, 2021, 0r 2022 may satisfy graduation requirements by either passing the current graduation qualifying exams (ISTEP 10) or completing the Graduation Pathway listed above.

Hobart High School Diploma Options

INDIANA CORE 40

Hobart High School Requirements

English/ Language Arts	**8 credits**
	English 9 English 10 English 11, English 11 Honors, AP Literature English 12, English 12 Honors, AP Language
Mathematics	**6 credits (in grades 9-12)**
	2 credits: Algebra I 2 credits: Geometry 2 credits: Algebra II *Students must take a math or quantitative reasoning course each year in high school*
Science	**6 credits**
	2 credits: Biology I 2 credits: Chemistry I or Physics I or Integrated Chemistry-Physics 2 credits: any Core 40 science course

Social Studies	**6 credits**
	2 credits: World History/Civilization 2 credits: U.S. History 1 credit: U.S. Government 1 credit: Economics
Directed Electives	**5 credits**
	World Languages Fine Arts Career and Technical Education
Physical Education	**2 credits**
Health and Wellness	**1 credit** All freshmen are required to take either summer school Health or Adult Roles/ Health during the school year.
Electives*	**6 credits** *(College and Career Pathway courses recommended)*

40 Total Credits Required

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

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

- Complete all requirements for Core 40.
- Earn 2 additional Core 40 math credits.
- Earn 6-8 Core 40 world language credits (6 credits in one language or 4 credits each in two languages).
- Earn 2 Core 40 fine arts credits.
- Earn a grade of a "C" or better in courses that will count toward the diploma.
- Have a grade point average of a "B" or better.
- Complete <u>one</u> of the following:
  - A. Earn 4 credits in 2 or more AP courses and take corresponding AP exams
  - A. Earn 6 verifiable transcripted college credits in dual credit courses from approved dual credit list
  - B. Earn the following:
    1. A minimum of 3 verifiable transcripted college credits from approved dual credit list,
    2 credits in AP courses and corresponding AP exams,
  - D. Earn a combined score of 1250 or higher on the SAT and a minimum score of 560 on math and 590 on the evidence based reading & writing section.
  - E. Earn an ACT composite score of 26 or higher and complete written section

CORE 40 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 transcripted college credits
- Earn a grade of "C" or better in courses that will count toward the diploma.
- Have a grade point average of a "B" or better.
- Complete <u>one</u> 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.

Employability Skills

Students are required to learn and demonstrate employability skills and must complete at least one of the following:

Project-Based Learning allows students to gain knowledge and skills by working for an extended period of time to investigate and respond to an authentic, engaging and complex question, problem, or challenge. The project is framed by a meaningful problem to solve or question to answer, at the appropriate level of challenge. Students engage in a rigorous, extended process of asking questions, finding resources, and applying information. Students often make their project work public by explaining, displaying, and/or presenting it to people beyond the classroom. Demonstrations include:
- Completion of a course capstone,
- Completion of a research project,
- Completion of Cambridge International Global Perspectives and Research,
- Completion of the AP Capstone Assessment, ***OR***
- Other (with approval by the State Board of Education).

Service-Based Learning integrates meaningful service to enrich and apply academic knowledge, teach civic and personal responsibility (and other employability skills), and strengthen communities. Demonstrations include:
- Participation in a meaningful volunteer or civic engagement experience,
- Engagement in a school-based activity, such as co-curricular or extra-curricular activity or sport for at least one academic year, ***OR***
- Other (with approval by the State Board of Education).

Work-Based Learning (Work Ethic Certificate) is a strategy to reinforce academic, technical, and social skills learned in the classroom through collaborative activities with employer partners. Work-based learning experiences allow students to apply classroom theories to practical problems, to explore career options, and pursue personal and professional goals.
- Complete of a course capstone,
- Completion of an internship,
- Obtaining the Governor's Work Ethic Certificate,
- Employment outside of the school day, ***OR***
- Other (with approval by the State Board of Education).

All students are required to participated in an Interactive Media course that is blended with their core content classes. Juniors and Seniors are required to take Work-Based Learning during their success period. Additionally, students in grades 9 and 10 are required to participate in courses during success periods.

Grade 9—Preparing for College and Careers
Grade 10—Human Development and Wellness
Grades 11 and 12— Work-Based Learning



What does an employer expect of me as an employee?

1. Show a positive attitude
2. Work well with others
3. Follow directions
4. Arrive to work on time

5. Recognize problems and find solutions
6. Manage time effectively
7. Apply good listening skills

8. Be honest and dependable
9. Know the need to pass a drug or background check
10. Dress properly and practice good hygiene

Got what it takes?

Center of Workforce Innovations

www.innovativeworkforce.com www.gotoworkonenw.com

WorkOne
Northwest Indiana Workforce Board, Inc.

Post-Secondary Ready Competencies

Students must complete at least one of the following:

Honors Diploma	See page 5
ACT	Must meet national college-ready benchmarks set by ACT. For 2017, these were 18 in English, 22 in Reading, 22 in Math, and 23 in Science (*These scores are subject to change*)
SAT	Must meet national college-ready benchmarks set by the College Board. For 2017, these were 480 in English and 530 in Math (*These scores are subject to change*)
ASVAB	Army and Marines—score of 31 Navy—score of 35 Air Force—score of 36
State– and Industry-recognized Credential or Certification as determined by the State Board of Education	
State-, Federal-, or Industry-recognized Apprenticeship	Apprenticeships are defined as intensive work-based learning experiences that provide a combination of on-the-job training and formal classroom instruction. They are intended to support progressive skill acquisition and lead to postsecondary credentials or degrees.
Career-Technical Education Concentrator	See page 11
AP/Dual Credit courses	At least one AP/Dual Credit courses must be in a core content area (e.g., English, Math, Science, or Social Studies) and/or be part of a defined curricular sequence.
Locally Created Pathway	

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.

HOBART HU UNIVERSITY

IVY TECH COMMUNITY COLLEGE

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

HOBART HU UNIVERSITY

IVY TECH COMMUNITY COLLEGE

Opportunity to earn college credit, certificates, and degrees through Ivy Tech in:

Advanced Automation & Robotics
Aviation Technology: Flight
Energy Technology
Machine Tool Technology
Healthcare Specialist: Medical Assisting, Pre-Nursing, or Pharmacy Technician
Criminal Justice
Early Childhood Education
Business
Computer Science: Information Technology/Cyber Security, Networking & Informatics, Software Development
Design Technology
Statewide General Education Transfer Core
Liberal Arts

Additional information about Hobart University can be found online at www.hobart.k12.in.us/huprograms or apply online at www.hobart.k12.in.us/huapplynow

Learn more on pages 13-21

Hobart University

Hobart University offers a variety of programs in partnership with Ivy Tech Community College that are designed to get our students the coursework and experience needed to fill jobs in high-demand career fields. The School City of Hobart is fully committed to combining high school and college in a rigorous, supportive environment that enables any interested and qualifying Hobart High School student to graduate with high school and college credit, and potentially earn a certificate or associate's degree. Our stackable credits and courses allow for a wide variety of opportunities to meet the needs of our students beyond high school as they pursue careers.

During the 2018-2019 school year, the SCOH partnership with Ivy Tech and several businesses will enable us to offer the following Early College programs through Hobart University while attending Hobart High School:

Hobart University Program	Certificate and/or Degree Earned
Advanced Automation & Robotics	Technical Certificate
Business	Technical Certificate
Aviation Technology: Flight	Associate of Applied Science
Criminal Justice	Technical Certificate
Information Technology/Cyber Security	Technical Certificate
Networking & Informatics	Technical Certificate
Software Development	Technical Certificate
Design Technology	Technical Certificate
Early Childhood Education	Technical Certificate or Associate of Applied Science
Energy Technology	Associate of Applied Science
Machine Tool Technology	Technical Certificate
Medical Assisting	Technical Certificate or Associate of Applied Science
Pharmacy Technician	Technical Certificate
Pre-Nursing	Technical Certificate
General Studies—- 30 credit hours	Statewide Transfer General Education Core (one year of college credit)
Liberal Arts—60 credit hours	Two years of college credit

Are you interested in learning more about these programs?
More information can be found on pages 14-21!

Additional information can be found online at www.hobart.k12.in.us/huprograms or apply at www.hobart.k12.in.us/huapplynow

Energy Technology

Students enrolled in the Energy Technology program through Hobart University will be eligible to earn an Associate of Applied Science degree from Ivy Tech Community College at a substantial savings. Students will participate in a wide variety of hand-on learning activities including climbing and rigging electric pole lines, performing energy audits, wiring electrical circuits, and designing and installing electrical systems. The Energy Technology program is the future!

In grades 10-12, students will participate in courses on Ivy Tech's Valparaiso campus during half of their school day (Fall semester of grade 10 will be held at HHS). The School City of Hobart will provide transportation for these courses from Hobart High School. Students need to plan ahead, as this program spans over 3 years of high school and includes prerequisite courses. Additionally, in order to complete the degree, two courses will need to be taken following high school graduation at the cost of the student. Students will be eligible for FAFSA at this time. Stackable credits allow students to continue toward the next certificate or degree upon completion of required courses.

WHAT CLASSES DO I NEED?

Schedule for an Associate of Applied Science (two year degree)

Grade 10		Summer	Grade 11		Summer	Grade 12		Summer
1 ENRG 100 / 2 INDT 113 / 3 NGAS 101	ENERGY TECHNOLOGY AT IVY TECH CAMPUS	World History (1 sem)	1 / 2 / 3	ENERGY TECHNOLOGY AT IVY TECH CAMPUS	Government / Economics	1 / 2 / 3	ENERGY TECHNOLOGY AT IVY TECH CAMPUS	ENERGY TECHNOLOGY CLASSES AT IVY TECH CAMPUS
4	English 10 or Honors		4	English 11		4	English 12	
5	Algebra II or Honors		5	US History Honors		5	MA 123 / Elective	
6	Chemistry or ICP		6	Geometry or Honors		6	Science	
7	Study Hall or Elective		7	Study Hall or Elective		7	Study Hall or Elective	

Classes in **RED** are Early College Credit Classes.
Classes in **BLUE** are completed in partnership with Ivy Tech.

HOW CAN I BENEFIT FROM AN ENERGY TECHNOLOGY ASSOCIATE'S DEGREE?

151 annual job openings through 2020

Median Electrical Power-Line Installer & Repairer in Indiana

$31.93 / hour

Students can opt to enter the Energy Technology program at the start of any school year beginning in grade 10.

CHECK OUT OUR WEBSITE AT www.hobart.k12.in.us/huprograms TO LEARN MORE ABOUT THE COST OF EACH PROGRAM.

*Different career pathways cost different amounts of money. Most of the costs are very minimal compared to what you would typically pay following high school graduation.

Students are responsible for the cost of the two courses that occur following High School graduation and can apply for financial aid to cover this cost.

Additional information can be found online at www.hobart.k12.in.us/huprograms or apply at www.hobart.k12.in.us/huapplynow

Medical Assisting

Students enrolled in the Medical Assisting program through Hobart University will be eligible to earn an Associate of Applied Science degree from Ivy Tech Community College at a substantial savings. Students will participate in a wide variety of hand-on learning activities and participate in simulation labs acting as a member of the healthcare team to prepare for the real-world as a Medical Assistant

In grade12, students will participate in courses on Ivy Tech's Valparaiso campus during half of their school day. The School City of Hobart will provide transportation for these courses from Hobart High School. Students need to plan ahead, as this program spans over 2 years of high school and includes prerequisite courses. Stackable credits allow students to continue toward the next certificate or degree upon completion of required courses.

WHAT CLASSES DO I NEED?

Schedule for an Associate's Degree

Speech must be taken as an elective during Freshman or Sophomore year and student must qualify. Highly Recommended that student has taken PLTW - Biomedical Sciences

	Grade 11			Grade 12
1	English 11	Summer	1	English 12
2	US History Honors*	Economics / Government	2	MA123 / Elective
3	Geometry		3	Study Hall or Elective
4	Honors Anatomy & Physiology		4	MEDICAL ASSISTANT AT IVY TECH CAMPUS
5	Medical Terminology/Human Development & Wellness		5	
6	Elective		6	
7	Elective		7	

Classes in RED are Early College Credit Classes.

Classes in BLUE are completed in partnership with Ivy Tech.

* Students can take Psychology Honors if they choose to take regular US History

Students can opt to enter the Medical Assistant program at the start of any school year beginning in grade 11.

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www.hobart.k12.in.us/huprograms
TO LEARN MORE ABOUT THE COST OF EACH PROGRAM.

*Different career pathways cost different amounts of money. Most of the costs are very minimal compared to what you would typically pay following high school graduation.

HOW CAN I BENEFIT FROM A MEDICAL ASSISTANT ASSOCIATE'S DEGREE?

548 annual job openings through 2020

Opportunities for advancement and cross-training

Median Medical Assistant salary in Indiana

$14.05 / hour

Additional information can be found online at www.hobart.k12.in.us/huprograms or apply at www.hobart.k12.in.us/huapplynow

Machine Tool Technology

Students enrolled in the Machine Tool Technology program through Hobart University will be eligible to earn a Technical Certificate from Ivy Tech Community College at a substantial savings. Students will participate in a wide variety of hand-on learning activities and will be eligible for the following employment opportunities: Computer Numerical Control (CNC) Operator, CNC Setup Technician, CNC Programmer, CNC Machinist, Toolroom Machinist, Tool and Die Maker, Quality Assurance Technician. Stackable credits allow students to continue toward the next certificate or degree upon completion of required courses.

In grades 11-12, students will participate in courses on Ivy Tech's Valparaiso campus during half of their school day. The School City of Hobart will provide transportation for these courses from Hobart High School. Students need to plan ahead, as this program spans over 2 years of high school and includes prerequisite courses.

WHAT CLASSES DO I NEED?

Schedule for a Technical Certificate (one year degree)

Grade 9	Grade 10	Grade 11	Summer	Government / Economics	Grade 12
English 9 or Honors	English 10 or Honors	MACHINE TOOL TECHNOLOGY AT IVY TECH CAMPUS			MACHINE TOOL TECHNOLOGY AT IVY TECH CAMPUS
Algebra I or Honors	Algebra II or Honors				
Biology or Honors	Chemistry or ICP				
PE or JROTC	World History	English 11			English 12
Health	Elective	US History or Honors			MA 123
Elective	Elective	Geometry or Honors			Science
Elective	Elective	Study Hall			Study Hall

Classes in **RED** are Early College Credit Classes.

Classes in **BLUE** are completed in partnership with Ivy Tech.

HOW CAN I BENEFIT FROM A MACHINE TOOL TECHNOLOGY TECHNICAL CERTIFICATE?

711 annual job openings through 2020

Median Machinist salary in Indiana

$19.06 / hour

Students can opt to enter the Machine Tool Technology program at the start of any school year beginning in grade 11.

CHECK OUT OUR WEBSITE AT
www.hobart.k12.in.us/huprograms

TO LEARN MORE ABOUT THE COST OF EACH PROGRAM.

*Different career pathways cost different amounts of money. Most of the costs are very minimal compared to what you would typically pay following high school graduation.

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Advanced Automation & Robotics

Students enrolled in the Advance Automation & Robotics program through Hobart University will be eligible to earn a Technical Certificate from Ivy Tech Community College at a substantial savings. This program provides students with the skills needed to be successful in the modern manufacturing environment through hands-on learning. This program was developed with input from the Indiana Automotive Council. Stackable credits allow students to continue toward the next certificate or degree upon completion of required courses.

In grades 11-12, students will participate in courses on Ivy Tech's Valparaiso campus during half of their school day. The School City of Hobart will provide transportation for these courses from Hobart High School. Students need to plan ahead, as this program spans over 2 years of high school and includes prerequisite courses.

WHAT CLASSES DO I NEED?

Schedule for a Technical Certificate (one year degree)

Grade 10	Grade 11	Summer	Covernment / Economics	Grade 12
English 10 or Honors	AUTOMATION & ROBOTICS AT IVY TECH CAMPUS			AUTOMATION & ROBOTICS AT IVY TECH CAMPUS
Algebra II or Honors				
Chemistry or ICP				
World History	English 11			English 12
Elective	US History			MA123
Elective	Geometry or Honors			Science
Elective	Study Hall			Study Hall
Classes in **RED** are Early College Credit Classes.				
Classes in **BLUE** are completed in partnership with Ivy Tech.				

HOW CAN I BENEFIT FROM AN AUTOMATION & ROBOTICS TECHNOLOGY TECHNICAL CERTIFICATE?

678 annual job openings through 2020

Median Industrial Machinery Mechanic in Indiana

$23.64 / hour

Students can opt to enter the Automation & Robotics program at the start of any school year beginning in grade 11.

Student will earn several valuable certifications:
- **OSHA Certification**
- **Manufacturing Skills Standards Council - Certified Production Technician Certification that includes:**
  - **Safety and Quality Certification**
  - **Manufacturing Processes and Maintenance Awareness Certification**

CHECK OUT OUR WEBSITE AT www.hobart.k12.in.us/huprograms

TO LEARN MORE ABOUT THE COST OF EACH PROGRAM.

*Different career pathways cost different amounts of money. Most of the costs are very minimal compared to what you would typically pay following high school graduation.

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Healthcare Pathways

Students have the opportunity to complete dual credit courses at Hobart High School that will apply to a variety of Healthcare Pathways at Ivy Tech Community College. Students will begin these pathways with the dual credit classes offered at HHS, and can complete these pathways toward certificates or degrees following high school graduation.

Dual Credit Courses	Essential Anatomy & Physiology (HLHS102) Health & Wellness for Life (HLHS111)
Healthcare Pathway	ACSM Certified Personal Trainer

Dual Credit Courses	Medical Terminology (HLHS 101) Essential Anatomy & Physiology (HLHS102)
Healthcare Pathways	Phlebotomy Technician
	Medical Office Administration
	Electrocardiography Technician
	Pharmacy Technician—Hobart University program

Dual Credit Courses	Medical Terminology (HLHS 101) Quantitative Reasoning (MAth123 or higher) Student Success in Healthcare (IVYT112)
Healthcare Pathway	Optometric Technology

Dual Credit Courses	Medical Terminology (HLHS 101) Essential Anatomy & Physiology (HLHS102) English Composition (ENGL111) Student Success in Healthcare (IVYT112)
Healthcare Pathways	Healthcare Specialist: Clinical Support
	Patient Care Technician

Dual Credit Courses	Introductory Biology (BIOL101) Finite Math (MATH135) English Composition (ENGL111) Creative Writing (ENGL202) Fundamentals of Public Speaking (COMM101) Student Success in Healthcare (IVYT112)
Healthcare Pathway	Kinesiology & Exercise Science

Dual Credit Courses	Anatomy & Physiology I (APHY101) Anatomy & Physiology II (APHY102) Medical Terminology (HLHS 101)
Healthcare Pathway	Outpatient Insurance Coding

Additional information can be found online at www.hobart.k12.in.us/huprograms or apply at www.hobart.k12.in.us/huapplynow

Healthcare Pathways

Dual Credit Courses	Anatomy & Physiology I (APHY101) Anatomy & Physiology II (APHY102) Medical Terminology (HLHS 101) English Composition (ENGL111) Quantitative Reasoning (MATH123 or higher) Introduction to Psychology (PSYC101)
Healthcare Pathway	Pre-Nursing—Hobart University program

Dual Credit Courses	Anatomy & Physiology I (APHY101) Anatomy & Physiology II (APHY102) Medical Terminology (HLHS 101) English Composition (ENGL111) Student Success in Healthcare (IVYT112) Introduction to Psychology (PSYC101)
Healthcare Pathway	Practical Nursing

Dual Credit Courses	Anatomy & Physiology I (APHY101) Anatomy & Physiology II (APHY102) English Composition (ENGL111) Student Success in Healthcare (IVYT112) Quantitative Reasoning (MATH123 or higher) Fundamentals of Public Speaking (COMM101)
Healthcare Pathway	Paramedic Science

Dual Credit Courses	Anatomy & Physiology I (APHY101) Anatomy & Physiology II (APHY102) English Composition (ENGL111) Student Success in Healthcare (IVYT112) Fundamentals of Public Speaking (COMM101) Introduction to Psychology (PSYC101) College Algebra (MATH136)
Healthcare Pathway	Physical Therapist Assistant

Dual Credit Courses	Anatomy & Physiology I (APHY101) Anatomy & Physiology II (APHY102) English Composition (ENGL111) Student Success in Healthcare (IVYT112) Fundamentals of Public Speaking (COMM101) Introduction to Psychology (PSYC101) Quantitative Reasoning (MATH123 or higher) Introductory Chemistry (CHEM101)
Healthcare Pathway	Respiratory Therapy

Additional information can be found online at www.hobart.k12.in.us/huprograms or apply at www.hobart.k12.in.us/huapplynow

Healthcare Pathways

Dual Credit Courses	Anatomy & Physiology I (APHY101) Anatomy & Physiology II (APHY102) English Composition (ENGL111) Student Success in Healthcare (IVYT112) Fundamentals of Public Speaking (COMM101) Introduction to Psychology (PSYC101) College Algebra (MATH136) Medical Terminology (HLHS101) Introductory Biology (BIOL101)
Healthcare Pathways	Radiation Therapy

Dual Credit Courses	Anatomy & Physiology I (APHY101) Anatomy & Physiology II (APHY102) English Composition (ENGL111) Student Success in Healthcare (IVYT112) Fundamentals of Public Speaking (COMM101) Introduction to Psychology (PSYC101) Quantitative Reasoning (MATH123 or higher) Medical Terminology (HLHS101)
Healthcare Pathways	Surgical Technology
	Health Information Technology

Dual Credit Courses	Anatomy & Physiology I (APHY101) Anatomy & Physiology II (APHY102) English Composition (ENGL111) Student Success in Healthcare (IVYT112) Fundamentals of Public Speaking (COMM101) Introduction to Psychology (PSYC101) College Algebra (MATH136) Medical Terminology (HLHS101)
Healthcare Pathways	Diagnostic Medical Sonography—Vascular

Additional information can be found online at www.hobart.k12.in.us/huprograms or apply at www.hobart.k12.in.us/huapplynow

Pharmacy Technician

More information coming soon!

Additional information can be found online at www.hobart.k12.in.us/huprograms or apply at www.hobart.k12.in.us/huapplynow

Pre-Nursing Studies

More information coming soon!

Additional information can be found online at www.hobart.k12.in.us/huprograms or apply at www.hobart.k12.in.us/huapplynow

Computer Science:

Information Technology/CyberSecurity, Networking & Informatics, Software Development

More information coming soon!

HOBART HU UNIVERSITY

IVY TECH COMMUNITY COLLEGE

Additional information can be found online at www.hobart.k12.in.us/huprograms or apply at www.hobart.k12.in.us/huapplynow

Criminal Justice

More information coming soon!

Additional information can be found online at www.hobart.k12.in.us/huprograms or apply at www.hobart.k12.in.us/huapplynow

Early Childhood Education

More information coming soon!

HOBART HU UNIVERSITY

IVY TECH COMMUNITY COLLEGE

Additional information can be found online at www.hobart.k12.in.us/huprograms or apply at www.hobart.k12.in.us/huapplynow

Design Technology

Students enrolled in the Design Technology program through Hobart University will be eligible to earn a Technical Certificate from Ivy Tech Community College at a substantial savings. Design Technology is ideal for creative students who are attracted to the diversity of jobs in the tech industry. Employment opportunities include architectural firms, construction or manufacturing companies, medical field, or a machining company.

Students need to plan ahead, as this program can span over four years of high school and includes prerequisite courses. Stackable credits allow students to continue toward the next certificate or degree upon completion of required courses.

WHAT CLASSES DO I NEED?

Schedule for a Certificate

Grade 9	Grade 10	Grade 11	Grade 12
1 English 9	1 English 10	1 English 11	1 English 12
2 Algebra I	2 Algebra II	2 US History	2 Math
3 Biology I	3 Chemistry or ICP	3 Geometry	3 Government / Economics
4 PE or JROTC	4 World History	4 Science	4 PLTS - CIM
5 Health	5 PLTW - POE	5 3D CAD	5 Elective
6 PLTW - IED	6 PLTW - CAD	6 PLTW - CEA	6 Elective
7 Elective or Study Hall	7 Elective or Study Hall	7 Elective or Study Hall	7 Elective or Study Hall
Classes in **RED** are Early College Credit Classes.			

Schedule for a Technical Certificate

Grade 9	Grade 10	Grade 11	Grade 12
1 English 9	1 English 10	1 English 11	1 English 12
2 Algebra I	2 Algebra II	2 US History	2 MA 123 / Elective
3 Biology I	3 Chemistry or ICP	3 Geometry	3 Government / Economics
4 PE or JROTC	4 World History	4 Science	4 PLTS - CIM
5 Health	5 PLTW - POE	5 3D CAD	5 Architectural Rendering (DESN 110)
6 PLTW - IED	6 PLTW - CAD	6 PLTW - CEA	6 Roster Imaging (DESN 132)
7 Elective or Study Hall	7 Elective or Study Hall	7 Elective or Study Hall	7 Elective or Study Hall
Classes in **RED** are Early College Credit Classes.			

Students can opt to enter the Design Technology program at the start of any school year beginning in grade 9.

HOW CAN I BENEFIT FROM A DESIGN TECHNOLOGY TECHNICAL CERTIFICATE OR CERTIFICATE?

Earn valuable workforce certifications

Median Architectural and Mechanical Drafters salary in Indiana
$23.55 / hour

Additional information can be found online at www.hobart.k12.in.us/huprograms or apply at www.hobart.k12.in.us/huapplynow

Business

More information coming soon!

Additional information can be found online at www.hobart.k12.in.us/huprograms or apply at www.hobart.k12.in.us/huapplynow

Information Technology / Cyber Security

More information coming soon!

HOBART HU UNIVERSITY

IVY TECH COMMUNITY COLLEGE

Additional information can be found online at www.hobart.k12.in.us/huprograms or apply at www.hobart.k12.in.us/huapplynow

Aviation Technology: Flight

Our Aviation program is a great way to take your future to new heights! Students will receive hands -on, real-world training in Professional Flight Education—allowing students to pursue the career of their dreams. The program focuses on the knowledge and skills that aviators and industry professionals need to be successful.

Students enrolled in the Aviation Technology program through Hobart University will be eligible to earn an Associate's of Applied Science degree from Ivy Tech Community College at a substantial savings. Employment opportunities include

Students need to plan ahead, as this program can span over two years of high school and includes prerequisite courses. The Aviation program courses will be completed at Hobart High School, Ivy Tech's Valparaiso campus, and via distance learning.

WHAT CLASSES DO I NEED?

Schedule for an Associate of Applied Science

	Grade 9		Grade 10		Grade 11			Grade 12
1	English 9	1	English 10	1	AVIATION TECHNOLOGY AT IVY TECH CAMPUS or VIA DISTANCE LEARNING	Summer	Economics / Government	AVIATION TECHNOLOGY AT IVY TECH CAMPUS or VIA DISTANCE LEARNING
2	Algebra I	2	Algebra II	2				
3	Biology I	3	Chemistry or ICP	3				
4	PE or JROTC	4	World History	4	English 11 Honors			English 12 Honors
5	Health	5	Adv. Speech & Comm.	5	US History			MA 123
6	Principles of Business Mgt.	6	Business Law & Ethics	6	Geometry			Science
7	Elective or Study Hall	7	Elective or Study Hall	7	Admin. & Office Mgmt.			Intro. to Accounting

Classes in RED are Early College Credit Classes.
Classes in BLUE are completed in partnership with Ivy Tech.

Students can opt to enter the Aviation Technology program at the start of any school year beginning in grade 11.

HOW CAN I BENEFIT FROM AN AVIATION TECHNOLOGY ASSOCIATE OF APPLIED SCIENCE?

Commercial Pilot salary in Indiana $33.87 / hour

Earn valuable workforce certifications

CHECK OUT OUR WEBSITE AT

www.hobart.k12.in.us/huprograms

TO LEARN MORE ABOUT THE COST OF EACH PROGRAM.

*Different career pathways cost different amounts of money. Most of the costs are very minimal compared to what you would typically pay following high school graduation.

Additional information can be found online at www.hobart.k12.in.us/huprograms or apply at www.hobart.k12.in.us/huapplynow

Statewide Transfer General Education Core

Students enrolled in the Statewide Transfer General Education Core (STGEC) program through Hobart University will be eligible to earn 30 college credit hours from Ivy Tech Community College that can be transferred to several participating colleges at a substantial savings. A student who satisfactorily completes the requirements of the STGEC program at Hobart High School and then attends an Indiana public college or university will not be required to complete the STGEC requirements at that school.

Students need to plan ahead, as this program can span over four years of high school and includes prerequisite courses. Stackable credits allow students to continue toward the next certificate or degree upon completion of required courses.

WHAT CLASSES DO I NEED?

The credits earned in the STGEC program can be transferred to these participating colleges as 30 credit hours toward the general education core requirements.

PURDUE UNIVERSITY

IUPUI

INDIANA UNIVERSITY

BALL STATE UNIVERSITY

UNIVERSITY OF SOUTHERN INDIANA

Indiana State University

To complete the STGEC program, a student must have met the requirements of each category by earning 30 total credit hours distributed accordingly between the six categories listed.

Category	HHS Class	Ivy Tech Course	What year will I take this class?	Credits received per class	Credits needed per category
Written Communication	English 12 Honors	ENG 111	12	3	3
Speaking & Listening	Advanced Speech	COMM 101	9-12	3	3
Quantitative Reasoning	Finite Math	MA 135	11-12	3	3-10
	Pre-Calculus	MA 136	11-12	3	
	Trigonometry	MA 137	11-12	3	
	Calculus	MA 211	12	4	
Scientific Ways of Knowing	AP Biology	BIO 105/107	11-12	5/5	3-10
	Biology 2	BIO 101	11-12	3	
	AP Chemistry	CHEM 105	11-12	5	
	Chemistry 2	CHEM 101	11-12	3	
	Earth Science	SCIN 100	9-12	4	
Social & Behavioral Ways of Knowing	US History, Honors	HIST 101/102	11	3/3	3-9
	Economics, Honors	ECON 101	12	3	
	US Government, Honors	POLS 101	12	3	
	Psychology, Honors	PSYC 101	10-12	3	
Humanistic & Artistic Ways of Knowing	Intro to Literature	ENG 206	12	3	3-9
	Creative Writing	ENG 202	12	3	
	ENG 111/112 must be taken prior to taking the above two classes				
	French 3	FREN 101/102	10-12	3	
	French 4	FREN 201/202	11-12	3	
	Spanish 3	SPAN 101/102	10-12	3	
	Spanish 4	SPAN 201/202	11-12	3	
				Total Credits Required	**30**

Additional information can be found online at www.hobart.k12.in.us/huprograms or apply at www.hobart.k12.in.us/huapplynow

Associate of Arts in Liberal Arts

Required Courses (60 credits):

HS Course Name/Ivy Tech Course Name	# Credits
English 11 Honors - ENGL 111/112	6
IVYT 111	1
MATH 123 or MATH 135 or MATH 136	3
Advanced Speech/Communication - COMM 101	3
LIBA 279 - Capstone Course	1
Creative Writing/Intro to Literature - ENGL 202/ENGL 206	6
Foreign Language Electives	6-8
Social and Behavioral Ways of Knowing Electives	3-9
Scientific Ways of Knowing Electives	3-9
Transfer General Education Core Electives	12-15
Transfer Cluster Electives	0-16
	60 credits

Foreign Language Electives (Pick a total of 6-8 credits):

French III - FREN 101/102	8
French IV - FREN 201/202	6
Spanish III - SPAN 101/102	8
Spanish IV - SPAN 201/202	6

Social and Behavioral Ways of Knowing Elective (Pick a total of 3-9 credits):

Economics Honors - ECON 101	3
US History Honors - HIST 101/102	6
US Government Honors - POLS 101	3
Psychology I - PSYC 101	3

Scientific Ways of Knowing Elective (Pick a total of 3-9 credits):

Biology II Honors - BIOL 101	3
Adv Sci/CC/BIOL 105 & BIOL 107	10
Chemistry II Honors - CHEM 101	3
Adv Sci/CC/CHEM 105 & CHEM 107	10

Transfer General Education Core Electives (Pick a total of 12-15 credits):

French III - FREN 101/102	8	Biology II Honors - BIOL 101	3
French IV - FREN 201/202	6	Adv Sci/CC/BIOL 105 & BIOL 107	10
Spanish III - SPAN 101/102	8	Chemistry II Honors - CHEM 101	3
Spanish IV - SPAN 201/202	6	Adv Sci/CC/CHEM 105 & CHEM 107	10
Economics Honors - ECON 101	3	Finite Math - MATH 135	3
US History Honors - HIST 101/102	6	Pre-Calculus Honors - MATH 136	3
US Government Honors - POLS 101	3	Trigonometry Honors - MATH 137	3
Psychology I - PSYC 101	3	Calculus Honors - MATH 211	4

Transfer Cluster Electives (Pick a total of 0-16 credits):

French III - FREN 101/102	8	Chemistry II Honors - CHEM 101	3
French IV - FREN 201/202	6	Adv Sci/CC/CHEM 105 & CHEM 107	10
Spanish III - SPAN 101/102	8	Finite Math - MATH 135	3
Spanish IV - SPAN 201/202	6	Pre-Calculus Honors - MATH 136	3
German III - GERM 101/102	8	Trigonometry Honors - MATH 137	3
German IV - Germ 201/202	6	Calculus Honors - MATH 211	4
Economics Honors - ECON 101	3	Intro to Accounting - ACCT 101	3
US History Honors - HIST 101/102	6	Anatomy & Physiology - APHY 101/102	6
US Government Honors - POLS 101	3	Prin of Business Management - BUSN 101	3
Psychology I - PSYC 101	3	Personal Finance - BUSN 108	3
Biology II Honors - BIOL 101	3	Criminal Justice I - CRIM 101	3
Adv Sci/CC/BIOL 105 & BIOL 107	10	Medical Terminology - HLHS 111	3

Sample Plan of Study

	1	2	3	4	5	6	7
Grade 9	English 9	Algebra I	PE	Biology I	Health/ IVY T	Cluster Elective	French I
Grade 10	English 10	Algebra II	World History	Chemistry	Adv Speech/Psych	Cluster Elective	French II
Grade 11	English 11 Honors	Geometry	US History Honors	Chemistry II	Cluster Elective	Cluster Elective	French III
Grade 12	English 12 Honors	Quantitative Reasoning	Government Honors/Economics Honors	AP Chemistry	Cluster Elective	LIBA 279	French IV

Associate of Science in Liberal Arts

Required Courses (60 credits):

HS Course Name/Ivy Tech Course Name	# Credits
English 11 Honors - ENGL 111/112	6
IVYT 111	1
Pre-Calculus Honors & Trigonometry Honors - MA 136/137	6
Advanced Speech/Communication - COMM 101	3
LIBA 279 - Capstone Course	1
Social and Behavioral Ways of Knowing Electives	3
Humanistic and Artistic Ways of Knowing Electives	3-4
Math, Scientific, and Social & Behavioral Ways of Knowing Electives	6-10
Transfer General Education Core Electives	12-15
Transfer Cluster Electives	11-19
	60 credits

Social and Behavioral Ways of Knowing Elective (Pick a total of 3 credits):

Economics Honors - ECON 101	3
US History Honors - HIST 101/102	6
US Government Honors - POLS 101	3
Psychology I - PSYC 101	3

Humanistic and Artistic Ways of Knowing Elective (Pick a total of 3-4 credits):

French III - FREN 101/102	8
French IV - FREN 201/202	6
Spanish III - SPAN 101/102	8
Spanish IV - SPAN 201/202	6
Creative Writing/Intro to Literature - ENGL 202/ENGL 206	6

Math, Science, and Social & Behavioral Sciences Elect (Pick a total of 6-10 credits):

Biology II Honors - BIOL 101	3	Calculus Honors - MATH 211	4
Adv Sci/CC/BIOL 105 & BIOL 107	10	Economics Honors - ECON 101	3
Chemistry II Honors - CHEM 101	3	US History Honors - HIST 101/102	6
Adv Sci/CC/CHEM 105 & CHEM 107	10	US Government Honors - POLS 101	3
Pre-Calculus Honors - MATH 136	3	Psychology I - PSYC 101	3
Trigonometry Honors - MATH 137	3		

Transfer General Education Core Electives (Pick a total of 12 credits):

French III - FREN 101/102	8	Biology II Honors - BIOL 101	10
French IV - FREN 201/202	6	Adv Sci/CC/BIOL 105 & BIOL 107	3
Spanish III - SPAN 101/102	8	Chemistry II Honors - CHEM 101	3
Spanish IV - SPAN 201/202	6	Adv Sci/CC/CHEM 105 & BIOL 107	10
Economics Honors - ECON 101	3	Finite Math - MATH 135	3
US History Honors - HIST 101/102	6	Pre-Calculus Honors - MATH 136	3
US Government Honors - POLS 101	3	Trigonometry Honors - MATH 137	3
Psychology I - PSYC 101	3	Calculus Honors - MATH 211	4

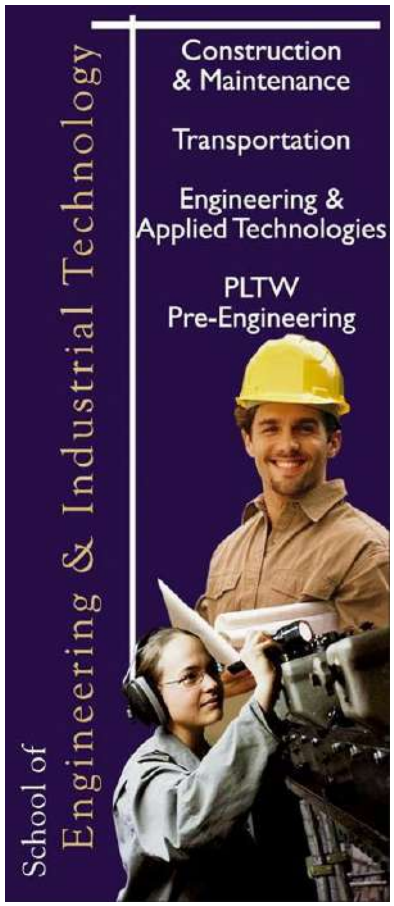
Transfer Cluster Electives (Pick a total of 19 credits):

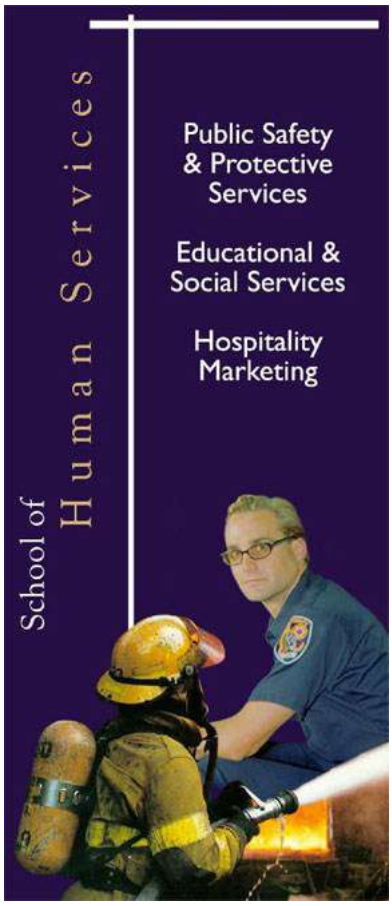
French III - FREN 101/102	8	Chemistry II Honors - CHEM 101	3
French IV - FREN 201/202	6	Adv Sci/CC/CHEM 105 & CHEM 107	10
Spanish III - SPAN 101/102	8	Finite Math - MATH 135	3
Spanish IV - SPAN 201/202	6	Pre-Calculus Honors - MATH 136	3
German III - GERM 101/102	8	Trigonometry Honors - MATH 137	3
German IV - Germ 201/202	6	Calculus Honors - MATH 211	4
Economics Honors - ECON 101	3	Intro to Accounting - ACCT 101	3
US History Honors - HIST 101/102	6	Anatomy & Physiology - APHY 101/102	6
US Government Honors - POLS 101	3	Principles of Business Management - BUSN 101	3
Psychology I - PSYC 101	3	Personal Finance - BUSN 108	3
Biology II Honors - BIOL 101	3	Criminal Justice I - CRIM 101	3
Adv Sci/CC/BIOL 105 & BIOL 107	10	Medical Terminology - HLHS 111	3

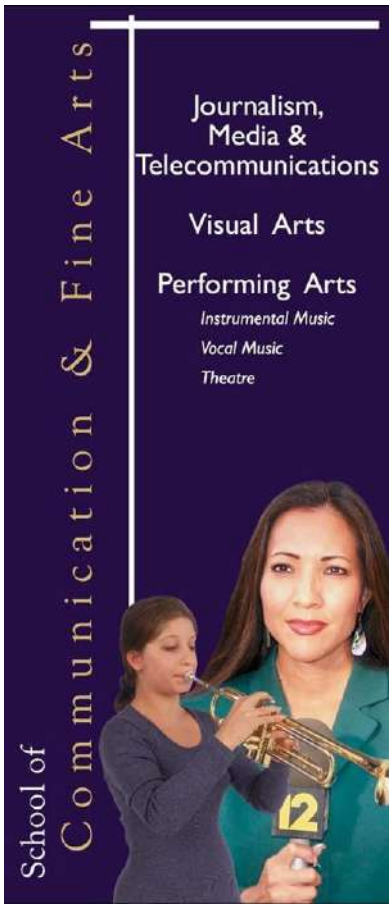
Sample Plan of Study

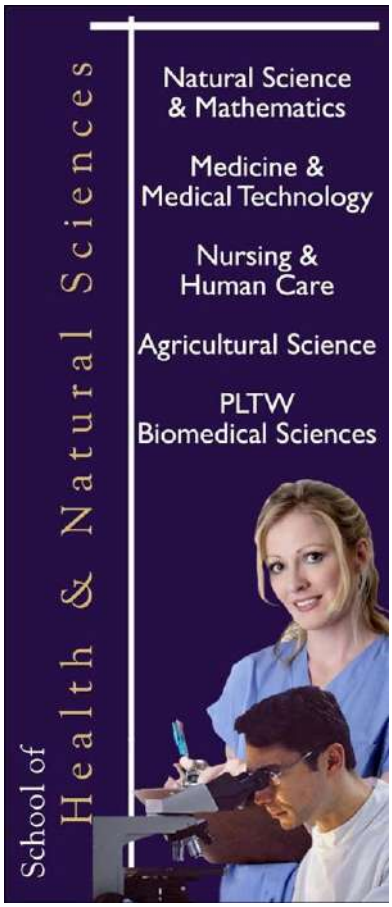
	1	2	3	4	5	6	7
Grade 9	English 9	Algebra II	PE	Biology I	Health/ IVY T	Cluster Elective	French I
Grade 10	English 10	Geometry	World History	Chemistry	Adv Speech/Psych	Cluster Elective	French II
Grade 11	English 11 Honors	Pre-Calculus/ Trignometry	US History Honors	Chemistry II	Cluster Elective	Cluster Elective	French III
Grade 12	English 12 Honors	Calculus Honors	Government Honors/ Economics Honors	AP Chemistry	Cluster Elective	LIBA 279	French IV

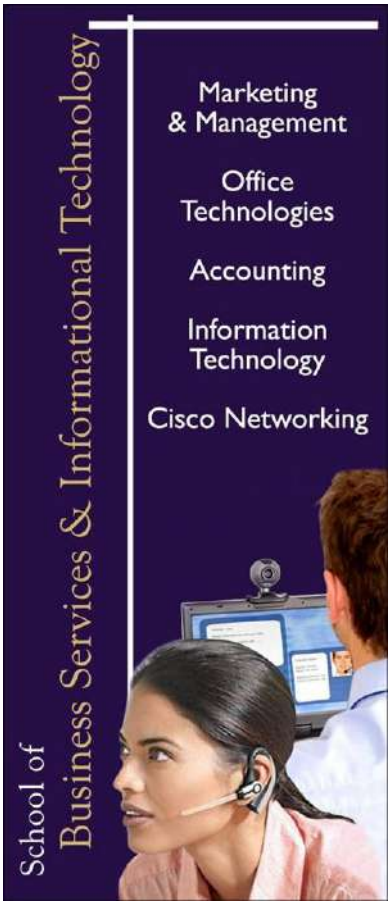
Career & Technical Education Concentrators











Business & Marketing Cluster

The following pathways will take place at Hobart High School:

Pathway: Accounting & Finance
6 credits in the following courses:
Preparing for College & Careers (1 credit)
Accounting (2 credits)
Principles of Business Management (2 credits)
Business Law & Ethics (2 credits)

Pathway: Entrepreneurship & Management with a Business Management Focus
6 credits in the following courses:
Preparing for College & Careers (1 credit)
Accounting (2 credits)
Principles of Business Management (2 credits)
Business Law & Ethics (2 credits)

Pathway: Entrepreneurship & Management with an Entrepreneurship Focus
6 credits in the following courses:
Preparing for College & Careers (1 credit)
Principles of Business Management (2 credits)
Business Law & Ethics (2 credits)
Principles of Marketing (2 credits)
Entrepreneurship & New Ventures (2 credits)

Pathway: Marketing Management with a Sports & Entertainment Marketing Focus
6 credits in the following courses:
Preparing for College & Careers (1 credit)
Principles of Marketing (2 credits)
Sports & Entertainment Marketing (2 credits)
Strategic Marketing (2 credits)
Business Law & Ethics (2 credits)

Pathway: Marketing Management with a Merchandising Focus
6 credits in the following courses:
Preparing for College & Careers (1 credit)
Principles of Marketing (2 credits)
Merchandising (2 credits)
Strategic Marketing (2 credits)
Business Law & Ethics (2 credits)

Pathway: Marketing Management with a Hospitality & Tourism Focus
6 credits in the following courses:
Preparing for College & Careers (1 credit)
Principles of Marketing (2 credits)
Marketing in Hospitality & Tourism (2 credits)
Strategic Marketing (2 credits)
Business Law & Ethics (2 credits)

Agriculture Cluster

Completing this one year program at Porter County Career Center will provide six credit hours in courses designated as CTE pathway courses. Students must earn a C or higher.
Pathway: ***Horticulture and Landscape Management***

Architecture & Construction Cluster

Completing this one year program at Porter County Career Center will provide six credit hours in courses designated as CTE pathway courses. ***Pathway: Construction***
Pathway: Mechanical Drafting & Design

The following pathway will take place at Hobart High School:
Pathway: Architectural Drafting & Design
6 credits in the following courses:
Preparing for College & Careers (1 credit)
Computers in Design & Production (2 credits)
PLTW—Intro to Engineering Design (2 credits)
PLTW—Principles of Engineering (2 credits)

Arts, AV Technology, & Communication Cluster

The following pathways will take place at Hobart High School:
Pathway: Radio and Television
6 credits in the following courses:
Preparing for College & Careers (1 credit)
Work-Based Learning (1 credit)
Radio & Television I (2 credits)
Radio & Television II (2 credits)

Pathway: Visual Communication
6 credits in the following courses:
Preparing for College & Careers (1 credit)
Work-Based Learning (1 credit)
Computer Illustration & Graphics (2 credits)
Graphic Design & Layout (2 credits)

Pathway: Interactive Media
6 credits in the following courses:
Preparing for College & Careers (1 credit)
Computer Illustration & Graphics (2 credits)
Interactive Media (3 credits)

Education & Training Cluster

The following pathways will take place at Hobart High School:

Pathway: Early Childhood
6 credits in the following courses:
Preparing for College & Careers (1 credit)
Early Childhood Education I (6 credits)
Early Childhood Education II (6 credits)

Pathway: Education Careers
6 credits in the following courses:
Preparing for College & Careers (1 credit)
Education Professions I (2 credits)
Education Professions II (2 credits)
Work-Based Learning (1 credit)

Health Science Cluster

Completing this one year program at Porter County Career Center will provide six credit hours in courses designated as CTE pathway courses. Students must earn a C or higher.

Pathway: Dental Careers I

The following pathways will take place at Hobart High School:
Pathway: Biomedical
6 credits in the following courses:
Preparing for College & Careers (1 credit)
Principles of Biomedical Sciences (2 credits)
Human Body Systems (2 credits)
Medical Interventions (2 credits)
Biomedical innovations (2 credits)

Pathway: Health Science Careers with Comprehensive or Innovatives Focus
6 credits in the following courses:
Preparing for College & Careers (1 credit)
Health Science Education II: Fundamentals of Sports Medicine (6 credits)

The following pathways will take place at Ivy Tech Community College through Hobart University beginning in the 2019-2020 school year.
Pathway: Health Science Careers with a Pharmacy Focus
Pathway: Pre-Nursing

Hospitality & Human Services Cluster

Completing this one year program at Porter County Career Center will provide six credit hours in courses designated as CTE pathway courses. Students must earn a C or higher.

Pathway: Cosmetology
Pathway: Culinary Arts

Information Technology Cluster

The following pathway will take place at Hobart High School:
Pathway: PC and Network Support
6 credits in the following courses:
Preparing for College & Careers (1 credit)
Computer Science I (2 credits)
Computer Science II: Informatics (2 credits)
Computer Science II: Databases (2 credits)
Computer Science II: Programming (2 credits)

Manufacturing Cluster

Completing this one year program at Porter County Career Center will provide six credit hours in courses designated as CTE pathway courses. Students must earn a C or higher.
Pathway: Welding
Pathway: Electronics & Computer Technology

The Following pathways will take place at Ivy Tech Community College through Hobart University .
Pathway: Advanced Manufacturing
Pathway: Precision Machining

Public Safety Cluster

Completing this one year program at Porter County Career Center will provide six credit hours in courses designated as CTE pathway courses. Students must earn a C or higher.
Pathway: Emergency Medical Services
Pathway: Fire & Rescue

The following pathway will take place at Ivy Tech Community College through Hobart University .
Pathway: Criminal Justice

STEM Cluster

The following pathway will take place at Hobart High School:
Pathway: Engineering
6 credits in the following courses:
Preparing for College & Careers (1 credit)
Principles of Engineering (2 credits)
Engineering Design & Development (2 credits)
*You must choose one of the following courses:
Civil Engineering & Architecture (2 credits)
Computer Integrated Manufacturing (2 credits)
Digital Electronics (2 credits)

Transportation Cluster

Completing this one year program at Porter County Career Center will provide six credit hours in courses designated as CTE pathway courses. Students must earn a C or higher.
Pathway: Automotive Technology
Pathway: Diesel Service Technology

The following pathway will take place at Ivy Tech Community College through Hobart University .
Pathway: Aviation

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.

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 Investigations
Criminal Justice
Fire and Rescue

Manufacturing

Electronics & Computer Technology
Precision Machining
Welding Technology
Industrial Mechanics

Health Sciences

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

Architecture & Construction

CAD & Animation
Construction Technology

Information Technology

Cisco Networking
Computer Tech Support

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 Imagining Technology

Hospitality & Human Services

Cosmetology
Culinary Arts & Hospitality Management

Education & Training

Education & Early Childhood

*****Programs in ITALICS are Dual Credit Programs*****

HHS Programs

CISCO Networking Fundamentals

Education and Early Childhood (The Brickie Kidz Preschool)

Emergency Rescue Technology

Fundamentals of Sports Medicine

Marketing Field Experience

INFORMATION REGARDING WEIGHTED COURSES 2018-2019

Hobart High School offers classes at an advanced level in several disciplines. These courses are available to all students who have taken the recommended pre-requisites and meet the grade recommendations. Additionally, students may be recommended or advised on specific course placement, as it is not only important for students to be challenged, but also to be set up for success. In the event the student/parent does not find the recommendation to be appropriate, the student and/or parent may submit a Course Recommendation Override Form, which is located in the Guidance Office. An academic team consisting of administration, school counselor, and department head will meet with the student and parent to discuss final placement. Classes are listed below will receive one weighted point per credit and require outside preparation above that of the normal level of instruction. Additionally, students in 9th and 10th grade will be expected to follow the course guidelines and rules in regards to due dates. Students must sign a contract stating they will not drop the class 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 Courses:
AP Literature & Composition
AP Language & Composition
AP Chemistry
AP US History
AP Psychology
AP European History
AP Government
AP Biology
AP Computer Science Principles
AP Studio Art (2-D or 3-D)

Honors Courses:
English 9 Honors
English 10 Honors
English 11 Honors
English 12 Honors
Geometry Honors
Algebra II Honors
Pre-Calculus Honors
Trigonometry Honors
Calculus Honors
Biology I Honors
Chemistry Honors
Physics Honors
Adv Science/CC/BIOL 105
Anatomy & Physiology Honors
Biology II Honors
Chemistry II Honors
US History Honors
US Government Honors
Economics Honors
Psychology Honors
French IV/V Honors
German IV/V Honors
Spanish IV/V Honors
Adv 2-D/3-D Art Honors (can only be taken for weighted credit once)

PLTW Courses:
Medical Interventions
Biomedical Innovations
Digital Electronics
Civil Engineering & Architecture
Eng Design & Development
Computer Integ. Manufacturing

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.*

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.

70179-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.

70180—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—Culinary Arts and Hospitality **Grades 10-12** **2 semesters**
Culinary Arts and Hospitality applies basic principles of sanitation and safety in order to maintain safe and healthy food service and hospitality environments. Topics include: introduction to the hospitality industry, food safety and personal hygiene, sanitation and safety, regulations procedures, and emergencies, basic culinary skills, culinary math, food preparation techniques and applications, principles of purchasing, storage, preparation, and service of food and food products. 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 service.

70181—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

70501 – 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.

70027- 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.

70028 - 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.

70495 - 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®

70498 - 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 issues. 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.

70499—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.

70500—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.

70170—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.

Add Chromebar—Danielle will talk with Adam Young

ENGLISH/LANGUAGE ARTS

GUIDELINES:

For Honors and Advanced Placement English courses, students will be reviewed base d 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 **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 - English 12 **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—English 12 Honors (COLLEGE CREDIT COURSE) **Grade 12** **2 semesters**

Students must have a 2.6 GPA or higher. This is a college credit course through Ivy Tech.

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.

70025 - Advanced Speech and Communication (CAN BE TAKEN FOR COLLEGE CREDIT) **Grade 9-12** **1 semester**

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.

70126 - 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 **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 **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.

MUSIC

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.

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.

70364 - Beginning Concert Band **Grade 9** **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.

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

70195 - Adult Roles and Responsibilities / 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

<u>Elective Physical Education Courses Listed Below</u>- Pre-requisite: Completion of Physical Education 1-2 with a "C" average or better.
70201—EPE: Outdoor Pursuits **Grades 11-12** **1 semester**
This course is a combination of outdoor activities, including fishing, archery, and kayaking. This class is only offered during the Fall semester.

70201 – EPE: Team Sports **Grades 11-12** **1 semester**
This course emphasizes team sports. Activities may include soccer, flag football, basketball, softball, volleyball, team handball, tennis, or floor hockey. This class is only offered during the Spring semester.

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.

JUNIOR RESERVE OFFICER TRAINING CORPS (JROTC)

70198 – EPE: Conditioning/Training **Grades 10-12** **1-2 semesters**
This course is offered to meet the fitness needs of student athletes. If 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.
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.

70040 - 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 - Pre-Calculus Honors (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.

70054—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.

Computer Tech Support

Want to be that go-to person who helps a coworker or client figure out why his or her computer is acting up? As a Computer Tech Support student, you will learn to diagnose and repair computer problems. You will focus on maintenance and security issues. You will install operating systems and software. You will help to restore data. The field of technology is hot. According to CompTIA, there are almost one million open IT positions in the US. Despite their differences on the surface, virtually every industry today depends on IT. From small, family-run businesses to big operations, there are IT careers for students in almost every organization around the globe.

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 then 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 then 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!

Fire and Rescue
Want to help others on some of the worst days of their lives? People in towns large and small count on their volunteer and paid firefighters in a variety of ways. This class at the state-of-the-art Multi Agency Academic Cooperative (MAAC) Emergency Services Training Facility will help you prepare with the physical and mental requirements to be a firefighter. You should, above all, be willing to help others. You should have sound judgement, strong moral values and respect for humanity. You should have the ability to communicate well though reading, writing, and speaking. You should be 17 years old by May 15 of the year when you are in the course. You will need to provide a state-issued photo ID. You might want to pair this course with an EMS or law enforcement class while still in high school. Indiana State fire certifications may include: Mandatory, Firefighter, Hazardous Materials Awareness, and Hazardous Materials Operations.

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.

70073—Biology II **Grades 10-12** **2 semesters**
Pre-requisite: Completion of Biology I with a "B" average.
Biology II is an advanced laboratory, field, and literature investigations-based course. Students enrolled in Biology II examine in greater depth the structures, functions, and processes of living organisms. Students also analyze and describe the relationship of Earth's living organisms to each other and to the environment in which they live. In this course, students refine their scientific inquiry skills as they collaboratively and independently apply their knowledge of the unifying themes of biology to biological questions and problems related to personal and community issues in the life sciences.

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.

70064 - Chemistry II **Grades 11-12** **2 semesters**
Pre-requisite: Completion of Chemistry I and Algebra II with a "B" average.
Chemistry II is an extended laboratory, field, and literature investigations-based course. Students enrolled in Chemistry II examine the chemical reactions of matter in living and nonliving materials. Based on the unifying themes of chemistry and the application of physical and mathematical models of the interactions of matter, students use the methods of scientific inquiry to answer chemical questions and solve problems concerning personal needs and community issues related to chemistry.

70063 - 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.

70078– 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.

70085—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.

70093—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.

HOBART UNIVERSITY

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Early Childhood Education—Information can be found on page
Design Technology—Information can be found on page
Accounting—Information can be found on page
Information Technology / Cyber Security—Information can be found on page
Aviation—Information can be found on page

BLENDED LEARNING

Students are required to take these courses.

5394 - Preparing for College & Careers **Grade 9** **2 semesters**

Preparing for College and Careers addresses the knowledge, skills, and behaviors all students need to be prepared for success in college, career, and life. The focus of the course is the impact of today's choices on tomorrow's possibilities. Topics to be addressed include twenty-first century life and career skills; higher order thinking, communication, leadership, and management processes; exploration of personal aptitudes, interests, values, and goals; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; and managing personal resources. This course includes reviewing the 16 national career clusters and Indiana's College and Career Pathways, in-depth investigation of one or more pathways, reviewing graduation plans, developing career plans, and developing personal and career portfolios. A project-based approach, including computer and technology applications, cooperative ventures between school and community, simulations, and real life experiences, is recommended.

5366 - Human Development & Wellness **Grade 10** **2 semesters**

Human Development and Wellness is valuable for all students as a life foundation and academic enrichment; it is especially relevant for students interested in careers impacted by individuals' physical, social, emotional, and moral development and wellness across the lifespan. Major topics include principles of human development and wellness; impacts of family on human development and wellness; factors that affect human development and wellness; practices that promote human development and wellness; managing resources and services related to human development and wellness; and career exploration in human development and wellness. Life events and contemporary issues addressed in this course include (but are not limited to) change; stress; abuse; personal safety; and relationships among lifestyle choices, health and wellness conditions, and diseases. A project-based approach that utilizes higher order thinking, communication, leadership, and management processes is recommended in order to integrate the study of these topics. Authentic applications through service learning are encouraged.

Work Based Learning Program **Grades 11-12** **1 semester**

See Description on pages 52-53.

5232 - Interactive Media **Grades 9-12** **2 semesters**

Interactive Media prepares students for careers in business and industry working with interactive media products and services; which includes the entertainment industries. This course emphasizes the development of digitally generated or computer-enhanced products using multimedia technologies. Students will develop an understanding of professional business practices including the importance of ethics, communication skills, and knowledge of the "virtual workplace".

INDEX OF COURSES

Hobart High School
2018-2019 Bell Schedule

Monday		Tuesday		Wednesday		Thursday		Friday	
1 (7:45-8:35)	50	1 (7:45-8:35)	50	2(8:15-9:45)	90	1 (7:45-9:15)	90	1 (7:45-8:35)	50
2 (8:40-9:30)	50	2 (8:40-9:30)	50					2 (8:40-9:30)	50
3 (9:35-10:25)	50	3 (9:35-10:25)	50	RESOURCE (9:50-10:50)	60	3 (9:20-10:50)	90	3 (9:35-10:25)	50
4 (11:00-11:50)	50	4 (11:00-11:50)	50					4 (11:00-11:50)	50
5 (11:55-12:45)	50	5 (11:55-12:45)	50	4 (10:55-1:00)	90	5 (10:55- 1:00)	90	5 (11:55-12:45)	50
6 (12:50-1:40)	50	6 (12:50-1:40)	50					6 (12:50-1:40)	50
7 (1:45-2:36)	51	7 (1:45-2:36)	51	6(1:05-2:36)	91	7 (1:05-2:36)	91	7 (1:45-2:36)	51

Hobart High School operates on a modified block schedule with three traditional days (all seven classes meet) and two block days that alternate periods. Students have a Resource Period on Wednesdays where they work on blended learning courses, receive academic assistance, and partake in college and career readiness opportunities.

Semester 1

Grade 9	Grade 10	Grade 11	Grade 12
Interactive Media **ENGLISH 9**	Interactive Media **WORLD HISTORY**	Interactive Media **US HISTORY**	Interactive Media **ENGLISH 12**
College & Careers **SUCCESS PERIOD**	Human Development & Wellness **ENGLISH 10 & SUCCESS PERIOD**	Work Based Learning **SUCCESS PERIOD**	Work Based Learning **SUCCESS PERIOD**

Semester 2

Grade 9	Grade 10	Grade 11	Grade 12
Career Information & Exploration **SUCCESS PERIOD**	Career Information & Exploration **SUCCESS PERIOD**	Work Based Learning **SUCCESS PERIOD**	Work Based Learning **SUCCESS PERIOD**