

NORTH KNOX HIGH SCHOOL

COURSE DESCRIPTIONS

AGRICULTURE

FUNDAMENTALS OF AGRICULTURAL SCIENCE AND BUSINESS (GRADES 9-12) (5056)

2 CREDITS/2 SEMESTERS — CORE 40

This year long course is highly recommended as a pre-requisite and foundation for all other agricultural classes. The nature of this course is to provide students with an introduction to the fundamentals of agricultural science and business.

AGRICULTURAL MECHANIZATION I (GRADES 10-12) (5088)

2 CREDITS/2 SEMESTERS — CORE 40

This is a year long course in which students develop an understanding of basic principles of selection, operation, maintenance, and management of agricultural production equipment.

ANIMAL SCIENCE (GRADES 10-12)(5008)

2 CREDITS/2 SEMESTERS — CORE 40

This year long course provides students with an overall view of the field of animal science. All areas which the students study can be applied to large and small animals.

HORTICULTURAL SCIENCE (GRADES 10-12) (5132)

2 CREDITS/2 SEMESTERS — CORE 40

This full year course is designed to give students a background in the field of horticulture. It addresses the biology and technology involved in the production, processing and marketing of horticultural plants and products.

ART

INTRODUCTION TO ART (GRADES 9-12) (4000)

2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40

This course emphasizes the “basics” of incorporating art history and criticism. Many areas will be covered including design, color theory, painting, advertising art, perspective drawing and realistic rendering. A textbook, films, and handouts are utilized.

DRAWING (GRADES 10-12) PRE-REQUISITE: INTRO TO ART (4060)

2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40

This 2nd year art course includes contour drawing, realistic rendering, perspective, still-life, portrait, figure, and imaginative. Drawing media includes: ink, charcoal, pastels, oil pastels, and prisma color pencil. A textbook, film and handouts are utilized.

PAINTING I (GRADES 11-12) PRE-REQUISITE: DRAWING (4064)

2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40

This 3rd year art course emphasizes gaining greater skill in rendering techniques. Painting techniques are introduced and more creativity is emphasized. Painting media include: tempera, acrylic, watercolor, oil and mixed media. Textbook, film and handouts are utilized.

PAINTING II (GRADES 12) PRE-REQUISITE: PAINTING I (4064)
2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40

This 4th year art course's two main objectives are: to encourage serious in-depth study of art history, criticism and aesthetics as well as studio work; and to develop a quality portfolio for competitions and for art school entrance. Emphasis is on individual interest, in particular, painting media and on more experimentation and creativity. Textbook, film and handouts are utilized.

INTRO TO 3-DIMENSIONAL ART (GRADES 9-12) (4002)
2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40

This course emphasizes the "basics" in sculpture techniques, while incorporating art history and criticism. Areas covered are: Construction of mobiles; clay modeling & pottery; plaster carving; play scenery; and fiber arts: needlepoint, stitchery, punch – needle & weaving. Handouts, films & visuals are utilized.

3-D ART 2 (GRADES 10-12) (4002)
2 CREDITS/2 SEMESTERS – HONOR DIPLOMA-CORE 40

This course is a continuation of Intro to 3-D Art.

BUSINESS

DIGITAL APPLICATIONS AND RESPONSIBILITY (Grade 9) (4528)
1 CREDIT/1 SEMESTER — HONOR DIPLOMA, CORE 40

This course deals with the fundamentals of microcomputer for applications. Spread sheets, data base, graphics, word processing and software integration will be utilized. Additional concepts and applications dealing with telecommunications and desktop publishing may be introduced as well as future technology that becomes available.

PRINCIPLES OF MARKETING – VU (GRADES 11-12) (5914)
1 CREDIT/1 SEMESTER – HONORS DIPLOMA, CORE 40

This course is a basic introduction to the scope and importance of marketing in a global economy. Emphasis is placed on oral and written communications, mathematical applications, problem-solving, and critical thinking skills as they relate to advertising/promotion/selling, distribution, financing, marketing-information management, pricing, and product/service management.

PERSONAL FINANCIAL RESPONSIBILITY (GRADES 10-12) (4540)
1 CREDIT/1 SEMESTER – HONOR DIPLOMA, CORE 40

This course addresses the identification and management of personal finance resources to meet the financial needs and wants of individuals and families, considering a broad range of economic, social, cultural, technological environment and maintenance factors. This course help students build skills in financial responsibility and decision making; analyze personal standards, needs, wants and goals, identify sources of income, saving and investing; understand banking, budgeting, record-keeping and managing risk; insurance and credit card debt.

ENGLISH

ENGLISH 9 (GRADE 9) REQUIRED FOR GRADUATION (1094)-Expository Writing (1040-Literary Movements)

2 CREDITS/2 SEMESTERS — HONOR DIPLOMA – CORE 40

This course consists of grammar and literature. Grammar provides the students with the opportunity to write for different purposes and audiences. Formal grammar, usage, spelling and language mechanics are taught. Literature will include the study of short stories, mythology &, drama.

ENGLISH 10 (GRADE 10) REQUIRED FOR GRADUATION (1004)

2 CREDITS/2 SEMESTERS — HONOR DIPLOMA – CORE 40

This integrated course consists of verbals, and kinds of sentences, their structure and proper uses. Literature introduces many kinds of non-fiction writings as well as the traditional short stories, poetry, plays and novels.

ENGLISH 11 (GRADE 11) REQUIRED FOR GRADUATION (1006)

2 CREDITS/2 SEMESTERS — HONOR DIPLOMA – CORE 40

This integrated course includes communication, writing, sentence structure and punctuation. Literature is a survey of American Literature, spanning the period of colonial and revolutionary writings to the literature of contemporary America. Some library research is done.

VU INTRO TO LIT/BIOGRAPHIES (GRADE 12) REQUIRED FOR GRADUATION IF SELECTED (1124-VU Lit) (1076-Biographies)

2 CREDITS/2 SEMESTERS – HONOR DIPLOMA – CORE 40

This course deals with composition, British Literature, and speech. Emphasis is placed writing technique, perfection of grammar and style of writing. Chaucer, Milton, Shakespeare, etc. along with modern British authors will be covered. Speech units consisting of various speech techniques and a research paper are included.

VU COMPOSITION I/II (GRADE 12) REQUIRED FOR GRADUATION IF SELECTED (1124)

2 CREDITS/2 SEMESTERS – HONOR DIPLOMA – CORE 40

This course is a college level course in writing designed to help students develop their ability to think, to organize, and to express their ideas clearly and effectively. Emphasis is placed on the various forms of expository writing such as process, description, narration, comparison, analysis, persuasion and argumentation. Numerous in-class writing assignments are required in addition to extended essays written outside of class. **This course earns both high school and college credit.**

ENGLISH 12 I/II (GRADE 12) REQUIRED FOR GRADUATION IF SELECTED (1008)

2 CREDITS/2 SEMESTERS — CORE 40

This course is designed for those seniors who plan no post-secondary education. It is intended to enhance communicative skills through reading, writing, listening and speaking. Emphasis is placed on practical skills.

BIBLICAL LITERATURE/GROUP DISCUSSION (GRADES 11-12)

2 CREDITS/2 SEMESTERS—HONOR DIPLOMA-CORE 40 (1002-Bib Lit) (1074 Group Discussion))

This course surveys the Bible as a source of a wide variety of literary genres, patterns, themes, and conventions. Reading the Bible from a literary standpoint, different books are read in relation to their times—a period lasting over a thousand years. In addition, this course provides a basis for understanding biblical references (allusions) in both classical and modern literature. Other topics of discussion may include the formation of a canonical Bible and the inclusion of apocryphal and heretical writings, oral versus literate transmission of sacred history and doctrine, and questions and problems of interpretation. Related literature is included as it pertains to biblical themes.

FOREIGN LANGUAGE

SPANISH I (GRADE 9-12) (2120)

2 CREDITS/2 SEMESTERS — HONOR DIPLOMA – CORE 40

This introductory course provides instruction enabling students to discuss the many reasons for learning the language and to develop an understanding of the people who speak the language. Some of the things students learn are to respond and give oral directions, understand proper forms of address, read short narrative texts, write familiar words and phrases and appropriate etiquette in a variety of social settings.

SPANISH II (GRADE 10-12) PRE-REQUISITE: SPANISH I (2122)

2 CREDITS/2 SEMESTERS — HONOR DIPLOMA – CORE 40

This course enables students to participate in classroom and extra-curricular activities related to the language as well as to participate in conversations dealing with daily activities and personal interests. Students participate in conversations, written assignments, cultural aspects, including visual arts, architecture, literature, etc.

SPANISH III (GRADE 11-12) PRE-REQUISITE: SPANISH II (2124)

2 CREDITS/2 SEMESTERS — HONOR DIPLOMA – CORE 40

This course provides instruction enabling students to understand and appreciate other cultures by comparing social behaviors and values of people using the language. Students will initiate and participate in discussions concerning the culture.

FAMILY & CONSUMER SCIENCES

INTERPERSONAL RELATIONSHIPS (GRADE 9-12) (5364)

1 CREDIT/1 SEMESTER — CORE 40

This course addresses the knowledge, skills, attitudes and behaviors all students need to participate in positive, caring and respectful relationships in the family and with individuals at school, in the community, and in the workplace. Students develop competence in building and maintaining various types of relationships, gain awareness of the impact of their personal needs and characteristics on relationships, build skills in

conflict prevention and management, and consider behavioral standards that guide relationships. The course provides a strong foundation for improving quality of life through more positive, caring, and respectful relationships in the family, at school, in the community and in the workplace.

PREPARING FOR COLLEGE AND CAREERS (GRADE 9-12) (5394)

1 CREDIT/1 SEMESTER — CORE 40

This course addresses the essential knowledge, skills, and behaviors all students need to live successfully in today's world. It is important for students to realize that today's choices will influence tomorrow's possibilities. Students will work, using a project-based approach, to gain skills related to communication, leadership, and management processes in order to integrate suggested topics into the study of individual and family issues. The focus of the course is on the impact of today's choices and tomorrow's possibilities. Topics to be addressed include higher order thinking, communication, life and career exploration and planning; examining multiple life roles and responsibilities as individuals and family members; planning and building employability skills; transferring school skills to life and work; decision making and organizational skills; and managing personal resources.

NUTRITION /FOODS I (GRADES 9-12) (5342)

2 CREDITS/2 SEMESTERS — CORE 40

This course enables students to realize the components and lifelong benefits of sound nutrition and wellness practices and empowers them to apply these principles in their everyday lives. A project based approach that utilizes higher order thinking, communication, leadership, and management processes is used in order to integrate suggested topics into the study of individual and family issues. Topics include the impact of daily nutrition and wellness practices on long-term health and wellness; physical, social, and psychological aspects of healthy nutritious meals and snacks based on USDA dietary guidelines including the food group pyramid; safety, sanitation, storage, and recycling processes and issues; and nutrition and wellness; impacts of science and technology on nutrition and wellness issues; and nutrition and wellness career paths. Laboratory experiences which emphasize both nutrition and wellness practices are required component of this course.

CHILD DEVELOPMENT AND PARENTING (GRADES 10-12) (5362)

2 CREDITS/2 SEMESTERS – CORE 40

This class addresses the knowledge, skills, attitudes, and behaviors associated with supporting and promoting optimal growth and development of infants and children. A project-based approach that uses higher order thinking, communication leadership, and management is used in order to integrate suggested into the study of individual and family issues. The focus is on research-based nurturing and parenting practices and skills that support positive development of children. Topics include consideration of the roles, responsibilities and changes of parenthood; human sexuality; adolescent pregnancy; prenatal development; preparation for birth; the birth process meeting the physical, social, emotional, intellectual, moral, and cultural growth and development needs of infants and children; impacts of heredity, environment and family and societal crisis on

development of the child; meeting children's needs for food, clothing, shelter, and care giving; caring for children with special needs; parental resources, services, and agencies; and career awareness. The second semester is a continuation of the first.

HUMAN DEVELOPMENT (Grades 10-12) (5366)

2 CREDITS/2 SEMESTERS — CORE 40

This class is designed to build knowledge, skills, attitudes and behaviors that students will need as they prepare to take the next step toward adulthood in today's ever changing society. The focus is on becoming independent contributing and responsible participants in family, community, and career settings. Topics include living independently and family formation; analysis of personal standards, needs, aptitudes and goals; integration of family, community, and career responsibilities. In addition, consumer choices and decision-making related to nutrition and wellness, clothing, housing, and transportation are covered. Financial management, relationship of technology and environmental issues to family and consumer resources are topics included. The community roles and responsibilities of families and individuals are included. Volunteer experiences and service learning are encouraged.

TEXTILES AND FASHION TECHNOLOGY I (GRADE 9-12) (5380)

2 CREDITS/2 SEMESTERS — CORE 40

This course addresses knowledge and skills related to design, production, acquisition and distribution in the textiles and fashion area. Topics include exploration of textiles and fashion industries; elements of science and design in textiles and apparel; textiles principles and applications; social, psychological, cultural and environmental aspects of clothing and textiles selection; clothing and textile products, equipment, and tools is stressed. Construction and alteration skills are emphasized and contemporary issues and global applications are considered. Laboratory and portfolio/notebook activities are required.

MATHEMATICS

BUSINESS MATH (MATH LAB) (GRADES 11-12) (4512)

2 CREDITS/2 SEMESTERS

This course is for students who are below standard on the Math ISTEP. Placement in this course may be waived if the student is within ten points of meeting the standard and a Math teacher attests to the student's proficiency in Math.

ALGEBRA I (GRADE 9-12) (2520)

2 CREDITS/2 SEMESTERS - HONOR DIPLOMA-CORE 40

This course includes the basic properties and operations involving the real number system; solution and evaluation of open sentences (equalities and inequalities); solution of sentences by graphing (number line and coordinate plane); solution to systems of sentences; elementary functions; and exponentials.

GEOMETRY (GRADE 11-12) PRE-REQUISITE: ALGEBRA I (2532)
2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40

This course deals with relations and properties of lines and angles a plane surface as well as space. In addition, properties of triangles, rectangles, squares, rhombuses, and trapezoids are studied. The Pythagorean theorem is reviewed. Emphasis is placed on deductive reasoning and precise phrasing of thoughts.

ALGEBRA II (GRADE 10-12) PRE-REQUISITE: ALGEBRA I (2522)
2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40

This course is an extension of Algebra I. Reviewing and improving the student's first year skills, and adding many new topics. Trigonometry is included.

CALCULUS (GRADE 12) (2544)
2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40

This course is an introduction to calculus which will include units or derivations, limits, and integrals. The course will demonstrate the applications of calculus to the biological, social and management services.

COLLEGE ALGEBRA EXCEL (GRADES 11-12) (2544)
PRE-REQUISITE: ALGEBRA II (VU Accuplacer Placement Test of 74 in Elementary Algebra)
1 CREDIT/1 SEMESTER – HONOR DIPLOMA – CORE 40

This course is as taught by Vincennes University and is worth three hours of college credit. It included conic sections, functions and operations on functions, polynomial and rational functions, exponential and logarithmic functions, polynomial and rational functions, exponential and determinants. **The Vincennes University grading scale will be used.** Students should be aware that there will be extra costs including tuition. Enrollment in this course must be approved by North Knox and V.U. V.U. expects that each student enrolling in an Excel class be in the top third of his/her class. **Note: This class may also be taken for high school credit only.**

TRIGONOMETRY EXCEL (GRADES 11-12) (2544)
PRE-REQUISITE: ALGEBRA II (Must have successfully passed College Algebra Excel)
1 CREDIT/1 SEMESTER – HONOR DIPLOMA-CORE 40

This course is as taught by Vincennes University and is worth three credit hours of college credit. It includes discussion of trigonometric functions of angles and numbers, use of trigonometric both in triangle solutions and the study of physical phenomena such as electric circuit sound waves, and trigonometric identities and inverses of trigonometric functions. Theory is taught, but the major portion of time is spent on teaching formulas and their applications. **The V.U. grading scale and attendance policy will be used.** Students should be aware that there will be extra costs including tuition. **Note: This class may also be taken for high school credit only.**

INTEGRATED MATHEMATICS (GRADES 9-12) (2554)

2 CREDITS/2 SEMESTERS

This course formalizes and extends the mathematics students learned in the middle grades. The critical areas deepen and extend understanding of linear relationships, in part by contrasting them with exponential phenomena, and in part by applying linear models to data that exhibit a linear trend. Students experience mathematics as a coherent, useful, and logical subject that makes use of their ability to make sense of problem situations.

MUSIC

BEGINNING CHORUS (GRADES 9-12) 4182

2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40

This course places emphasis on the development of basic vocal skills and fundamental musical concepts specifically aimed at reading music in parts. **A WINTER AND SPRING CONCERT IS MANDATORY.**

ADVANCED CHOIR (GRADES 9-12) (4188)

2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40

STUDENTS SELECTED BY AUDITION ONLY

This course emphasizes all styles and difficulty levels of choral music. **Class participation in all choral concerts is mandatory.**

SHOW CHOIR (GRADES 9-12) (4188)

2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40

STUDENTS SELECTED BY AUDITION ONLY

This course develops specific performance skills through group and individual settings, for the study and performance of the varied styles of vocal music. Students develop their skills through performing. Students have the opportunity to experience live performances during the outside of the school day. An amount of time outside the school day may be scheduled for dress rehearsals and performances. Students must participate in performance opportunities, outside the school day, that support and extend learning in the classroom.

BAND (GRADES 9-12) (4160)

2 CREDITS/2 SEMESTERS — HONOR DIPLOMA, CORE 40

This course provides students with a balanced comprehensive study of music through the areas of marching, pep and concert band, which develops skills in the psychomotor, cognitive, and affective domains. Students are required to participate in performance opportunities outside of the school day.

MUSIC APPRECIATION (Grades 9-12) 4206)

2 CREDITS/2 SEMESTERS – HONOR DIPLOMA, CORE 40

Students receive instruction designed to explore music and major musical styles and periods through understanding music in relation to both western and non-western history and culture.

PHYSICAL EDUCATION AND HEALTH

PHYSICAL EDUCATION (GRADE 9) (3542)

REQUIRED FOR GRADUATION

2 CREDITS/2 SEMESTERS– HONOR DIPLOMA-CORE 40

This co-educational course encourages students to participate in team and individual sports. Calisthenics are given to improve muscle tone and promote body development and good posture.

HEALTH (GRADE 9) (3506)

REQUIRED FOR GRADUATION

1 CREDIT/1 SEMESTER — HONOR DIPLOMA-CORE 40

This course covers all phases of health, including nutrition, communicable diseases, mental health, anatomy and units in first aid, aids awareness, and human sexuality.

PERSONAL FITNESS (GRADES 10-12) (3560)

2 CREDITS/2 SEMESTERS – HONOR DIPLOMA-CORE 40

The goal of a physically educated student is to maintain appropriate levels of cardio-respiratory endurance, muscular strength and endurance, flexibility, and body composition necessary for a healthy and productive life. Elective Physical Education promotes lifetime sports and recreational activities and provides an opportunity for an in-depth study in one or more specific areas.

SCIENCE

EARTH SCIENCE (GRADES 9-12) (3044)

2 CREDITS/2 SEMESTERS – CORE 40

This course deals with study of the earth's lithosphere, atmosphere, hydrosphere, and its celestial environment. Students examine energy at work in forming and modifying earth materials, landforms, and continents through geological time. Through regular laboratory and field investigations, students understand the history and development of the earth.

INTEGRATED CHEMISTRY/PHYSICS (GRADE 9-12) (3108)

2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40

This course deals with development and understanding the basic concepts in chemistry and physics. The concepts are presented in mathematical terms, where applicable, and problem solving is a major part of this course.

BIOLOGY I (GRADE 10) (3024)

2 CREDITS/2 SEMESTERS – HONOR DIPLOMA-CORE 40

This course is designed to include units in the nature of life, microbiology, plants, man and ecology. This course informs the student of most recent strides in biology to provide understanding the basic interaction of living things, and to develop an inquiring mind.

ANATOMY & PHYSIOLOGY (GRADE 11-12) PRE-REQUISITE: BIOLOGY
2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40 (5276)

This course consists of human anatomy and physiology. It is intended for the student who plans to pursue a college major in the sciences.

PHYSICS I (GRADE 10-12) (3084)
2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40 PRE-REQUISITE:
ALGEBRA I, INTEGRATED CHEMISTRY/PHYSICS

This course is the basic course for those students who plan to enter such fields as engineering, medicine, electronics, astronomy, chemistry, space science, or science teaching. This course includes study in fields of mechanics, heat, sound, light, electricity, electronics, and atomic energy.

PHYSICS II (GRADE 11-12) PRE-REQUISITE: PHYSICS I (3086)
2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40

This course allows the student to study the specialized areas of physics, such as electromagnetic theory, optics, mechanics, thermodynamics, quantum theory, astrophysics, and any others that will benefit their chosen career.

CHEMISTRY I (GRADE 10-12) PRE-REQUISITE: ALGEBRA I,
INTEGRATED CHEMISTRY/PHYSICS (3064)
2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40

This course deals with the study of the composition, structure, and properties of matter and the changes it undergoes.

CHEMISTRY II (GRADE 11-12) PRE-REQUISITE; CHEMISTRY I
2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40 (3066)

This course is intended to deepen the student's knowledge of classical chemical theory, to develop further understanding of the nature of matter and improve lab techniques.

SOCIAL STUDIES

UNITED STATES HISTORY (GRADE 11) REQUIRED FOR GRADUATION
2 CREDITS/2 SEMESTERS — HONOR DIPLOMA-CORE 40 (1542)

This course attempts to present a survey of the main events in American History from the earliest beginnings of Indian Civilization to the present time. The main purpose of this course is to help the student understand early American History and to see the development of issues which make our country what it is.

GOVERNMENT (GRADE 12) REQUIRED FOR GRADUATION
1 CREDIT/1 SEMESTER — HONOR DIPLOMA-CORE 40 (1540)

This course presents the student with knowledge and understanding of the American Governmental system on the local, state and national levels, with emphasis on the Constitution and local, state and national map skills.

ECONOMICS (GRADE 12) REQUIRED FOR GRADUATION

1 CREDIT/1 SEMESTER – HONOR DIPLOMA-CORE 40 (1514)

This course gives the student the understanding of the fundamental principles of our American system of free enterprise, with emphasis on the role of the individual and the part he plays in the total economic system.

UNITED STATES HISTORY EXCEL (GRADE 11-12) (1542)

2 CREDITS/2 SEMESTERS– HONOR DIPLOMA-CORE 40

This V.U. dual credit course is offered to high ability seniors who wish to continue an in-depth study of our country's history. The scope of the first semester will be to study the colonial period through the end of the Civil War. The scope of the second semester will be to study Reconstruction to the early 1900's. Successful completion of this course gives the student six credits at Vincennes University, as well as 2 high school credits.

WORLD HISTORY (GRADE 10-12) (1548)

2 CREDIT/2 SEMESTER — HONOR DIPLOMA —CORE 40

This course is a comprehensive study of the greatest adventure of all time—the story of man, as written by himself, through his various deeds and actions.

WORLD GEOGRAPHY (GRADE 10-12) (1546)

2 CREDIT/2 SEMESTER — HONOR DIPLOMA-CORE 40

This course places emphasis on cultural, social, and physical elements and how they relate. Maps, how people live, and how they cope with some of the problems they must face are covered.

PSYCHOLOGY (GRADES 11-12)-DUAL CREDIT – IV Tech (1532)

1 CREDIT/1 SEMESTER – HONOR DIPLOMA-CORE 40

Psychology is the scientific study of mental processes and behavior. 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, topics such as sensation, perception, motivation and emotion.

SOCIOLOGY (GRADES 11-12) (1534)

1 CREDIT/1 SEMESTER – HONOR DIPLOMA-CORE 40

Sociology provides opportunities for students to study human social behavior from a group perspective. Students will describe the development of sociology as a social science and identify methods and strategies of research. The influence of culture or group behavior is addressed. 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.

AP UNITED STATES GOVERNMENT AND POLITICS(HONOR DIPLOMA,

CORE 40 1 CREDIT/1 SEMESTER REQUIRED FOR GRADUATION IF

SELECTED (1540)

This course is based on the content established and copyrighted by the College Board. It is not intended to be used as a dual credit course. This course introduces students to key political ideas, institutions, policies, interactions, roles, and behaviors that characterize the political culture of the United States.

CURRENT EVENTS (2 SEMESTERS/2 CREDITS (1512))

Current Events gives students the opportunity to apply investigate and inquiry techniques to the study of significant problems and 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 a contemporary historical significance and will be studied from the viewpoint of the social science disciplines.

TECHNOLOGY EDUCATION

MANUFACTURING SYSTEMS (GRADE 9-12) (4784)

1 CREDIT/1 SEMESTER — CORE 40

This course is a broad course that explores the application of tools, materials, and energy in designing, producing, using and assessing manufactured products. Students will explore techniques used to apply technology in obtaining resources and in changing them into industrial materials and finished products.

CONSTRUCTION SYSTEMS (GRADE 9-12) (4782)

1 CREDIT/1 SEMESTER — CORE 40

This course is a broad course that explores the application of tools, materials and energy in designing, producing, using, and assessing constructed works. Students will explore systems and techniques used to apply technology in producing residential, commercial, and industrial buildings and a variety of civil structures.

INTRO TO MANUFACTURING (GRADES 11-12) (4784)

2 CREDITS/2 SEMESTERS — CORE 40

This specialized course will explore the technological processes used to obtain natural resources and change them into industrial materials. Special emphasis is placed on changing these industrial materials into consumer goods.

INTRO TO CONSTRUCTION (GRADES 11-12) (4792)

2 CREDITS/2 SEMESTERS — CORE 40

This specialized course explores the technological processes used to construct residential, commercial structures. Exploration into the technological processes used in the cabinet and furniture-making industry will also be reviewed.

COOPERATIVE EDUCATION

COOPERATIVE EDUCATION (I.C.E. PROGRAM) (GRADES 12)

6 CREDITS/2 SEMESTERS — CORE 40 (5902)

Cooperative Education programs combine career education in the classroom with a series of actual work experiences consistent with student occupational objectives. Students receive one credit per semester for classroom and at least 2 credits per semester through on-the-job training. Types of cooperative education programs include, supervised Agriculture Experience, Cooperative Office Education, Health Occupations, Marketing Cooperative Education, Home Economics Related Occupations, industrial Cooperative Education, and Interdisciplinary Cooperative Education.

ADVANCED PLACEMENT COURSES

**ADVANCED PLACEMENT COURSES @ AP COURSES (GRADE 12)
2 CREDITS/2 SEMESTERS — ACADEMIC HONOR DIPLOMA-
CORE 40**

Advanced Placement is a title covering any of these courses (1) a course which follows College Board Entrance Examination guidelines for Advanced Placement, (2) any course offered for credit by an accredited postsecondary institution through an adjunct agreement with a secondary school, or (3) any other postsecondary course offered for dual credit under the provisions of IC 20-10.1-22.2-2.

PROJECT LEAD THE WAY

**2 CREDITS/2 SEMESTERS (GRADES 9-12)-HONOR DIPLOMA, CORE 40
IED (4812) POE (4814)**

This is a 2 semester course with an emphasis on hands on, project based learning. Students earn 2 credits in the “Introduction to Engineering Design.” This program is designed to introduce students to engineering and technology concepts that will prepare them for college majors in a variety of related fields. **The following year, the student will be eligible to take “Principles of Engineering”**

TWIN RIVERS PROGRAMS COURSES AVAILABLE

Twin Rivers Career & Technical Education Area Programs

Auto Service Tech	Washington & Linton
Building Trades	Washington & Linton
Cosmetology	Vincennes
Health Careers	Washington & Linton

Vincennes University Programs (Vincennes)-Seniors only

Architectural Drafting
Audio Recording
Administrative Office Technology
Collision Repair – Seniors Only
Product Design and Production Processes
Support & Security Specialist
Precision Machine
Diesel Mechanics – Seniors Only
Fire Science – Seniors Only
Hospitality/Culinary Arts (Prefer Seniors Only)
Programming & Game Development
Information Technology
Law Enforcement
Surveying
Web Design
Welding

TWIN RIVERS COURSE DESCRIPTIONS

Automotive Service Tech (Grades 11-12)

The Automotive Service Tech program will provide basic automotive service skill development that can lead to entry-level jobs in dealerships, independent shops, parts stores or specialty shops, such as brakes, tires or exhaust shops. College credit can be earned while students are in the program at no additional cost. The student will have active participation in life skill classes, including employability skills, personal growth and leadership skills. In addition, communication skills, career exploration and assistance in making informed choices in reference to post-secondary career/education plans are a component of the course. Ivy Tech Courses AMS101, 121, 109, 107, 127

Building Trades (Grades 11-12)

The Building Trades Program will provide basic skill development in all phases of residential home building. The students' project consists of the completion of a private home during the school year. Activities include, but not limited to foundation, floors, walls, ceiling, roofing, interior and exterior trim, plumbing, dry walling, insulation, wiring, HVAC, and painting. The student will have active participation in life skill classes, including employability skills, personal growth and leadership skills. In addition, communication skills, career exploration and assistance in making informed choices in reference to post-secondary career/education plans are a component of the course.

Health Careers (Grade 11-12)

The Health Careers program provides students with current health care education and basic patient care skills necessary to meet the needs of the health care industry. The student will learn basic medical terminology, human anatomy and physiology, diseases / disorders related to human body systems. The student will acquire basic entry level skills necessary for functioning in the health care industry or for continuing his/her education in health careers. In addition, communication skills, medical career exploration, life skills and employability skills are taught. The program utilizes many health care facilities in the community as extended laboratories and job shadowing sites as an adjunct to the traditional classroom. The program is structured to help prepare students for a smooth transition into college or the job.

Cosmetology (Grades 11-12) Based in Vincennes, IN

The Cosmetology Program provides the 1500 clock hours of training required to be eligible to take the State Board Exam for licensure. The first 200 hours are in general theory classes-clinical and classroom. Students practice techniques on mannequins and on fellow students. After 200 hours, students are allowed to provide services to patrons of the clinic. The students will attend summer hours (approximately 100). Cosmetology includes classroom and practical experiences concerned with a variety of beauty treatments, including the beautification of hair and skin care, facial massage, facial make-up. Instruction includes training in giving shampoos, rinses, and scalp treatments; hair styling, setting, cutting, coloring, lightening, and fitting wigs; permanent waving; facials; manicuring; and hand and arm massaging. Scientific knowledge related to anatomy, chemistry, electricity and light therapy, bacteriology, hygiene, and sanitation will be emphasized. Additional instruction in the areas of small business (salon) management, record keeping, and customer relations are provided in this course. Instruction is designed to qualify students for the licensing examination. The student will have active

participation in life skill classes, including employability skills, personal growth leadership skills, safety measures, Indiana Cosmetology Laws and OSHA. In addition, communication skills, career exploration and assistance in making informed choices in reference to post-secondary career/education plans are a component of the course.

Architectural Drafting (Grade 12)

This is a Vincennes University dual credit course. Classes simulate the procedures and methods of an architectural office: working drawings are prepared both on the board (manually) and the computer (CAD), and presentation drawings are prepared for marketing purposes.

Collision Repair (Grade 12)

This is a Vincennes University dual credit course. Students will be prepared for positions in body shops. Training includes panel replacement and repair, frame and unibody straightening, refinishing and estimating. The auto body repair program introduces students to the auto body industry and develops skills, work habits and attitudes that are necessary for entry level employment in the trade. Students are taught the use of hand and power tools, metal working and filling dents, welding, plastic and fiberglass repair, refinishing and spot repair, and safety procedures. Students have the opportunity to use the latest equipment in frame straightening and fresh-air painting.

Diesel Mechanics (Grade 12)

This is a Vincennes University dual credit course. This program prepares students for entry into the diesel and heavy equipment field and/or transfer to a BS degree program.

Fire Science (Grades -12)

This is a Vincennes University dual credit course. This course prepares a student for entry level positions in fire science and related areas. Fire Fighter 1 & 2 certificates and EMT certification are possible.

Hospitality/Culinary Arts (Grade 12)

This is a Vincennes University dual credit course. The Culinary Arts vocational program is devoted to the development of the technical and management skills necessary to meet the food preparation needs of the hospitality industry. The curriculum combines both the practical (hands-on) and the theoretical (classroom) aspects of food preparation with an emphasis on the technical skills required for all occupations that include aspects of food preparation. The student will be introduced to management concepts with an active participation in quantity food purchasing as well as customer service. In addition, the student will receive their ServSafe sanitation certificate upon successful completion of the National Restaurant Association Educational Foundation's sanitation exam.

Information Technology (Grades 11-12)

This is a Vincennes University dual credit course. This program is designed primarily for the purpose of preparing students to transfer to four-year schools. The curriculum includes a mixture of general education and information technology courses aimed at providing a foundation for further study and a career in the information technology field. Students will have the opportunity to choose from web development, applications development, database development, networking, or digital multimedia.

Surveying (Grade 12)

This is a Vincennes University dual credit course. Surveyors establish land and water boundaries, write legal descriptions for deeds and leases, lay out construction and mineral sites, and collect information for the mapping and design of subdivisions, roads, power lines, and industrial sites. A majority of the time is spent outdoors, but surveyors also spend a considerable amount of time performing office duties such as planning surveys, preparing reports, computations, and computer-aided design.

Welding (Grade 12)

This is a Vincennes University dual credit course. This course prepares students to work in the field of welding with emphasis on AWS certification. Students are trained on Oxygen acetylene, shielded metal arc, gas metal arc, and gas tungsten arc welding, plasma arc cutting.