

Tech Prep Classes (Anthis Career Center)

The Anthis Career Center is an area career education center that offers 34 individual program choices to high school students who attend on a half-day basis. Students attend their home school for academic classes the other half of the day. The Guidance Department can provide further information regarding the Career Center and its programs. **In some cases, to receive your desired diploma, it may be necessary to take summer school to meet the requirements.**

Listed below are a few of the most popular offerings.

Allied Health Careers

Intro to Health Careers 18 week program

The 18 week option is for the student interested in pursuing a college program in the health care industry. Through exploration, students will be introduced to the college admission process, and the credit and course requirements for various health care degrees. In addition, students will receive hands on training in basic skills that are required in entry level jobs. Students can become certified in CPR and FIRST AID and will receive dual credit through Ivy Tech Community College for this certification. Observation opportunities will be available through field trips, community speakers, and involvement in community activities.

Intro to Health Careers 36 week program

This program is for students who are interested in exploring careers in the health care industry. It utilizes an in-school curriculum of theory and laboratory skills basic to all health careers. The curriculum includes occupational safety in health care, medical terminology, anatomy and physiology, research on health careers and characteristics of professionalism in a health care worker. Activities connect academic course work to career fields and will include an unpaid community experience in a health care setting.

Certified Nursing Assistant (CNA) Program

This program is structured to the Indiana State Nurse Aide 105 Hour Training Program. In this program, the time is spent learning theory on occupational safety, nurse aide regulations, patient care skills, professionalism, resident rights and standard precautions. In addition, students complete 75 hours of extended lab training in an approved health care facility. After successful completion of the course, students will take the state certification exam. Upon successful completion of the exam, students will be placed on the ISDH Nurse Aide Registry and receive a certificate of completion. Students also gain knowledge in anatomy and physiology, human behavior and medical terminology.

Dental Careers Program

Dental career students gain knowledge and skills that will enhance job opportunities in dental assisting or confirm a choice in the dental field. Students learn basic dental-assisting skills, CPR, dental terminology and laboratory and infection-control procedures. Second semester students get hands-on experience in a dental office two days per week.

Medical Assisting (2nd Year) 36 week program

Both first and second year students are invited into the Medical Assisting class. The program utilizes an in-school curriculum of theory and laboratory skills basic to perform the medical assistant duties in a hospital or health care facility. There will be an unpaid internship during the second term in area clinics, hospitals and medical offices.

Automotive Technology (Grades 11, 12) 2-4 Semesters, 3 credits each semester

This is a two year NATEF/ASE certified curriculum consisting of four one semester courses. (although students may take one year only.) Dual credit is offered through Ivy Tech Community College in each course for a two-year total of 15 credit hours possible. There will be lectures, class discussions, videos and hands-on practice with live work. There will be utilization of tools necessary to perform these tasks, some being hand tools, power tools, highly specialized tools and technical service manuals. Students must be able to handle the college curriculum of the mechanics class. They should also possess good reading and math skills, be able to exercise good diagnostic and troubleshooting skills and good eye-hand coordination.

Engine Performance

Instruction and lab work covers theory and diagnosis of fuel injection and computerized engine controls.

Automotive Electronics

Instruction and lab work covers the complete electrical system of the auto. Diagnosis and repair of lighting, starting and charging systems, switches, motors and relays.

Engine Principles and Automatic Transmissions

Instruction and lab work covers the theory and repair of a variety of gasoline engines and automatic transmissions.

Brakes, Suspension, and Steering Alignment

Instruction and lab work covers the theory and repair of brake systems including anti-lock and suspension and steering systems including alignment. Each component will consist of safety, theory, operation, trouble shooting, shop practices and testing according to NATEF standards.

Collision Technology Program

A one-year program offering instruction and lab work in repairing, straightening and painting vehicles using the latest technology on today's vehicles.

Automotive Service

A one-year program designed to provide skills in the use of commercial buffers, cleaning agents and chemicals used in the Detail Industry. Instruction is also given in basic auto repair, tire service, oil change, belt and hose replacement, fluid check and battery service.

Aviation Mechanics Technology

(Grade 11, 12) 4 Semesters, plus 3 weeks during the summer
The Anthis Career Center, in cooperation with IVY Tech, provides a two year FAA, Federal Aviation and Administration, approved course designed to satisfy all FAA criteria for the professional Power Plant Certification. This certificate qualifies the graduate to work on and return to flight status, any and all aircraft engines and their related systems, making the graduate eligible for employment in the aviation industry. In addition, those who continue their education after high school can earn their Airframe Certificate, along with an Associate in Specialized Technology Degree, with only 12 additional months of training in a FAA approved college program.

Construction Trades

(Grades 11, 12) 2-4 semesters, 3 credits each semester
Training in Construction Trades is an investment that can give you a lifelong career! Job entry trade skills will provide the student with strong security and work satisfaction. The program offers excellent opportunities for students to be exposed to the various areas in construction and to learn basic knowledge and hands on skills.

Currently the rotation is built around three areas of the construction industry. During the first year students will spend 18 weeks in two of the three trade areas. Students that continue for a second year will be placed in the third area during the first 18 weeks. If attendance, ability and work ethic meet instructor and industry expectations, employment will be sought for co-op experiences.

The current Building Trades Rotation Program areas include:

Home Building

Building Mechanics—Electrical, HVAC and Plumbing

Masonry/Concrete and Finish Carpentry

Cosmetology

(Grades 11, 12) 4 Semesters and 2 summer sessions, 16 credits total
The Cosmetology Careers program is a two year program requiring 1500 clock hours of instruction in all phases of cosmetology. Students enter in June after the completion of the 10th grade. The program requires excellent attendance during the two regular school years plus additional instruction during the summer session and bi-weekly six (6) hour Saturday sessions and the Tuesday or Thursday evening class.

During the school year students attend for three and one-half hours daily; Juniors 12:00 pm to 3:00 pm; Seniors 8:00 am to 11:30 am. After applying, completing and passing the State Board examination, students receive an Indiana Cosmetology License.

The current fee is \$120.00 per year plus the required uniform and shoes. The kit of working tools is provided in the fee costs. Because of the extended hours of attendance, it is best if you have private transportation available.

The Cosmetology course is regulated by the same laws and rules/regulations of the Indiana State Cosmetology Board as beauty schools that are available after high school. However, this course allows you to attend during your high school years. Some of the related skill areas taught include anatomy/physiology, business management, medical terminology, applied mathematics and communication skills.

Careers In Early Education (Grades 11, 12) 2-4 Semesters, 3 credits each semester

The program allows student to explore careers in elementary and early childhood fields while developing skills to work at early childhood facilities. Students submit an application to enroll in the Careers in Early Education Department. Requirements for acceptance are three teacher references, criminal history checks, personal interview, physical exam and a TB test. Students may also be required to pass a drug screening and central registry check. By studying all aspects of child growth and development, students create and share appropriate activities with the three, four, and five year old children cared for in the on-site licensed child development center. Throughout the year, students participate in practicum opportunities such as Montessori, Head Start, nursery schools, Title I preschools, day care and special needs preschools. Successful 1st year students may apply to the Careers in Early Education Internship Program. Interns develop a Child Development Associate (CDA) Resource File and may apply for this nationally recognized credential upon graduation. Interns attend class 4 hours a week at Anthis and work a minimum of 10 hours at internship sites as paid employees or volunteers. In addition, students who complete 2 years with a B or better may earn up to 10 credits from Ivy Tech Community College.

Engineering Technology (Grades 11, 12) 2-4 Semesters, 3 credits each semester

Precision Machining/CADD CAM

Precision Machining/CAD students get hands on experience operating engine lathes, vertical milling machines, drill presses and surface grinders. They will learn about tomorrow's machine technology -- technology like Computer Aided Drafting and Computer Numerical controlled machining and CAD Technology. In addition they will study the following related skills: precision measurement, materials testing, metallurgy, blueprint reading and applied shop mathematics. Along with the machining skills, students will get hands-on experience and work skills training in AutoCAD. They will learn to design, draw, dimension and plot industry quality prints using today's technology. When you combine the machining and the CAD, you will be using the skills engineer's of today use to solve problems. Dual credit of up to 6 credit hours at Ivy Tech Community College in the area of Machine Trades is available to students who qualify.

Electronics/Robotics

Electronics/robotics prepares students for entry level technical employment in industrial, business and commercial occupations. The class also provides opportunities for certification, special licensing and college preparation. First year curriculum includes direct current, alternating current, power supplies, audio amplifiers, hydraulics, pneumatics and sheet metal basics. Second year curriculum includes oscillators, industrial power circuits, am/fm radio, communications and robotics digital electronics. All course material is coupled with hands on projects as students learn to use hand tools, soldering equipment, sheet metal tools, voltmeters, ammeters, ohmmeters, power supplies, frequency generators and oscilloscopes. Troubleshooting is emphasized throughout the curriculum.

Welding Technology

Students are taught to join metals using ARC, MIG, TEG, and oxyacetylene welding and brazing. Students also learn how to cut metals with the plasma arc, oxyacetylene cutting torch and rail torch. A must for the welding field of work is blueprint reading. The American Welding Society (AWS) curriculum and certification is offered. Dual credit agreement with Ivy Tech Community College allows up to 9 hours of credit, with some restrictions.

Public Safety (Grades 11, 12) 2 semesters, 3 credits each semester

Fire Science

The Firefighter Program is the combined effort of the Anthis Career Education Program and the Fort Wayne and Allen County Fire Departments. The program is proficiency-based, preparing students to pass the national accreditation tests for Firefighter I and II status. Instruction is provided by certified and experienced firefighters who will provide students with a clear understanding of the requirements and skills necessary to become candidates for area fire departments. Dual credit hours are possible through the Fire Science Program at Ivy Tech Community College.

Course content includes knowledge of extinguishers, protective equipment, ropes and knots, rescue, ladders, hoses, ventilation, water supply, 1st responder medical station visits with apparatus and equipment practice, sprinkler systems, salvage and overhaul, alarms and communications, hazardous materials, electrical and gas hazards, and pump operation.

Law Enforcement/Criminal Justice

Interested in crime scene investigation? How the legal system works? Students will experience classroom and practical activities related to criminal justice and law enforcement. This program is a must if you have a passion for a career in public service or the legal system. Classes will be held at the new state of the art Public Safety Academy at Southtown Centre. In addition to being located at a site designed to train law enforcement officials, students will “rub elbows” with members of the community involved in these types of careers. What a way to explore a career!

Culinary Arts Careers (Grades 11, 12) 2-4 Semesters, 3 credits each semester

Culinary I

The program is designed to prepare students for employment in the commercial food service/hospitality industry. The focus of this program is **Chef's Training**. Students rotate through the various areas of the kitchen and become familiar with the proper preparation and presentation techniques of salads, desserts, soups, sauces and entrees.

Culinary II

Culinary Arts II is an advanced approach to food and cooking principles, appetizers, mother sauces, all meats, fish and desserts. It acquaints students with restaurant style food, menu planning, pricing, inventory, line production and service. Students will participate in the Barr Street Café, learning all aspects of the front and back of the house. ACF certification is awarded after completion of this 2-year program. Class meets from 11:30a.m. to 2:00 p.m. State Cosmetology Board as beauty schools that are available after high school. However, this course allows you to attend during your high school years. Some of the related skill areas taught include anatomy/physiology, business management, medical terminology, applied mathematics and communication skills.

Information Technology Academy (Grades 11, 12) 2-4 Semesters, 3 credits each semester

Get your **CERTIFICATION** in an area of high-tech computer careers! You will learn and work with the latest computer software and equipment in a team-based professional setting. As students study for certification in their field, they may also have an opportunity to showcase their skills while on internship at local companies. Students are encouraged to return for a second year to diversify their skills and earn other certifications. After a rotation in all areas offered in the IT Academy, students will select a major in one of the areas of study.

CISCO Networking

This class is a four-semester program that will be completed in one year. This course covers the principles and practices of designing, building, and maintaining computer networks. Students will receive hands-on experience with state-of-the-art networking equipment. Upon completion of the class, students will be able to install, configure, and operate simple-routed LAN, routed WAN and switched LAN networks. Students will take the CISCO certification exam to earn a CCNA.

Computer Service and Repair

This class will focus on providing the student with the foundation to achieve A+ Certification. This exam is offered through COMPTIA and is an entry-level exam which tests the skills of computer technicians. Concentration will be on PC systems servicing, troubleshooting, networking, and printing. Students will obtain the knowledge and skills to troubleshoot, upgrade and repair PC Systems. Students may have the opportunity to intern with local companies to enhance their skills.

Graphic Design

Utilizing the latest in graphic software, students will learn to design and create various publications. Student projects include business cards, logo design, newsletters, billboards, posters, photo manipulation and illustration. Each student will have the opportunity to work with business owners in the community to showcase their skills on real projects. The real projects will allow students to build a portfolio that will showcase their talent. Students will learn various software programs relating to this field such as: Illustrator, Photoshop, QuarkXPress and InDesign. Students will also utilize scanners and digital cameras. Students will work towards certification in each of the software packages.

Multimedia Design

Multimedia uses text, graphics, sound, animation and video for the creation of stylistic presentations. This class is for students who enjoy the creative aspect of putting human motion and sound to computer-generated characters. Projects include e-cards, promotional and information presentations and Web site development. During the course students will learn the following software: Macromedia MX (Flash, Dreamweaver, Fireworks) Director 8, Bryce 5, Adobe Photoshop and Adobe Premiere.

Programming

This class will apply programming syntax to HTML documents and develop programming logic skills in Java, Database Design and VB.NET. In addition there will be exposure to other programming languages. Students will create forms and write code to construct substantial Windows applications. They will write complete business applications, create professional-looking and fun Windows programs by combining code with a graphical user interface.

Technology-Based Accounting — QuickBooks Pro (PM only)

This hands-on course provides students with the opportunity to learn real-world software, QuickBooks Pro while applying accounting principles. Students will use software to record transactions and post in the general journal, prepare financial statements for partnerships and corporations and record payroll. Students will also work toward a certification in Microsoft Excel.

Television Production

TV Production combines storyboarding, script writing, producing, directing, camera operator, editing, studio and control room experiences to learn specialized broadcasting skills and video production skills. Students will be exposed to video production equipment, artistic camera composition, script writing, and how to utilize a variety of Electronic News Gathering techniques. Students will learn several computer programs to enhance their editing skills. Projects produced include commercials, instructional videos, interviews, news shows and many other creative projects.

Entrepreneurship (PM only)

Like watching *The Apprentice*? Then, this is the course for you! This fast-paced course is designed to provide students with the skills to organize, develop, create and manage their own business. It also offers challenges to students in a group setting. After each challenge, the students will review what they have learned from their experience on the task. Students in this course will develop presentation and people skills through shadowing and classroom projects. Students are required to write a business plan, obtain a REAL loan from a local bank and successfully run a company for two months.

Microsoft Advanced IT Technology

This 2nd year IT program has prerequisites of computer repair, computer programming or Cisco Networking, plus teacher recommendation. These courses may have been taken from the Anthis IT Academy or at a student's home school. Approval to enroll will be made in conjunction with both the home school teacher and IT Academy staff.

Students will work in a closely supervised independent study using the online Microsoft IT Academy Curriculum. Computer programming students will complete the course of study toward their MCAD, Microsoft Certified Application Developer. A+ and/or networking students focus their studies on the MCSA, Microsoft Certified Systems Administrator.

Anthis Career Center Co-op

Co-op programs are offered through all Career Education Departments. They are designed for seniors whose attendance, attitude, and skills meet the required standards of the industry. Students may be co-oped into part-time positions in a field related to the department in which they have received training. *Students must be recommended by their Anthis Career Center classroom teacher or counselor. **Attendance at a weekly-related class is required.***

ICE (Interdisciplinary Co-op Education) (Grade 12) 2 semesters, 3 credits each semester

Applications must be obtained from, completed, and returned to the Home High School Guidance Office. **Students are required to attend a weekly related class at the Anthis Career Center and must have a job.** The ICE program provides a transition from high school to the world of work. ICE gives students the opportunity to receive work experience and earn money while in high school. ICE will provide first-hand experience and information in a variety of career fields.