



IDAHO
TECHNICAL
CAREER ACADEMY

Course Catalog

2026-2027



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Idaho Technical Career Academy (ITCA), as a public charter school, is open to all students. ITCA does not discriminate against any student on any basis prohibited by federal or state constitutions or any federal, state, or local law. All students, regardless of ability or disability, will receive an equal opportunity to enroll in and participate at ITCA.

PLEASE NOTE

- Not all courses will be offered every year. This catalog reflects 2026-2027 courses.
- High School student athletes who are planning to attend a NCAA school need to check with the High School Counselor at participating HS where competing. It is the student’s responsibility to confirm compliance with the NCAA.

2026-2027 COURSE OFFERINGS

CORE CLASSES

ENGLISH
ENG108 ENGLISH 9
ENG208 ENGLISH 10
ENG303 AMERICAN LITERATURE
ENG403 BRITISH AND WORLD LITERATURE

MATHEMATICS
MTH148 INTEGRATED MATH I
MTH248 INTEGRATED MATH II
MTH348 INTEGRATED MATH III
MTH307 PRACTICAL MATH

SCIENCE
SCI102 PHYSICAL SCIENCE
SCI113 EARTH SCIENCE
SCI203 SUMMIT BIOLOGY (DC)
SCI303 SUMMIT CHEMISTRY (DC)
SCI030 FORENSIC SCIENCE
HLT041 INTRODUCTION TO BIOCHEMISTRY
SCI330 ANATOMY AND PHYSIOLOGY (DC)

HISTORY AND SOCIAL SCIENCES
HST303 US HISTORY
HST403 US GOVERNMENT AND POLITICS
HST413 US AND GLOBAL ECONOMICS

ADDITIONAL REQUIREMENTS
HST103 WORLD HISTORY or ENG030 Summit Creative Writing
CAR400A CAREER PREPARATION I
TCH172 SOFTWARE APPS WORD (DC)
OTH094-DYN HEALTH SCIENCE II
BUS410 INTRO TO BUSINESS COMMUNICATIONS or COM110 INTERPERSONAL COMMUNICATIONS (DC)
CS SENIOR PROJECT

CREDIT RECOVERY
ENGLISH 9 A/B
ENGLISH 10 A/B
AMERICAN LITERATURE A/B
BRITISH AND WORLD LITERATURE A/B
INTEGRATED MATH I A/B
INTEGRATED MATH II A/B
EARTH SCIENCE A/B
BIOLOGY A/B
U.S. HISTORY A/B
U.S. GOVERNMENT AND POLITICS

CAREER & TECHNICAL COURSES

ELECTIVE CLASSES

DIGITAL COMMUNICATION PATHWAY
YEAR ONE
TCH047ADE2 WEB DESIGN 1
TCH174 DIGITAL MEDIA ILLUSTRATOR
YEAR TWO
COM210A DIGITAL AND INTERACTIVE MEDIA
TCH179 DIGITAL MEDIA INDESIGN (DC)

BUSINESS MANAGEMENT PATHWAY
YEAR ONE
BUS210 MARKETING, ADVERTISING, & SALES
HST355 FINANCIAL LITERACY FUNDAMENTALS
YEAR TWO
BUS310 PRINCIPLES OF BUSINESS MANAGEMENT
BUS430 ENTREPRENEURSHIP

HEALTHCARE PATHWAY
YEAR ONE
OTH094 HEALTH SCIENCES II
HLT213 MEDICAL TERMINOLOGY 1
SCI330 ANATOMY AND PHYSIOLOGY (DC)
YEAR TWO
HLT431A/B PHARMACY TECHNICIAN and/or
HLT420A/B CLINICAL MEDICAL ASSISTING

AGRICULTURE PATHWAY
YEAR ONE
COM110 INTERPERSONAL COMMUNICATIONS (DC)
AGR030 PRIN AGR, FOOD & NATURAL RESOURCES
YEAR TWO
AGR233 PLANT & SOIL SCIENCE and/or
AGR211 POULTRY & LIVESTOCK PRODUCTION
YEAR THREE
CS EXPERIENTIAL LEARNING & SAE PROGRAMS (DC)
CS PRINCIPLES OF AGRICULTURAL COMMUNICATIONS AND LEADERSHIP (DC)

Additional Electives
TCH171 SOFTWARE APPS POWERPOINT (DC)
TCH177 SOFTWARE APPS EXCEL (DC)
TCH047 WEB DESIGN (DC)
TCH467 COMPTIA A+ CORE 1
TCH468 COMPTIA A+ CORE 2
OTH095 MYTHOLOGY & FOLKLORE
BUS215 ACCOUNTING WITH QUICKBOOKS
HLT330 MEDICAL OFFICE PROCEDURES & ADMIN
HLT471 ELECTROCARDIOGRAPHY
WBL511 INTERNSHIP 1
WBL531 WORK EXPERIENCE

HIGH SCHOOL GRADUATION REQUIREMENTS

(IDAPA 08.02.03 104, 105, 106)

Content Area	State Credit Requirements
Core of Instruction	29 credits (minimum)
Electives	17 credits (minimum)
Total Credits	46 credits (minimum)
Content Area	State Credit Requirements

CORE SUBJECT AREAS	29 CREDITS
Language Arts - Language Arts – 8 credits - Communications – 1 credit	9 Credits Language Arts shall consist of language study, composition, and literature and be aligned to the Idaho Content Standards for the appropriate grade level. Communications must consist of oral communication and technological application, a course in debate, or a sequence of instruction activities that meet Idaho Speech Content Standards .
Mathematics - Algebra 1 – 2 credits - Geometry – 2 credits - Student Choice – 2 credits	6 Credits Secondary mathematics includes Integrated Mathematics, Applied Mathematics, Business Mathematics, Algebra, Geometry, Trigonometry, Fundamentals of Calculus, Probability and Statistics, Discrete Mathematics, and courses in mathematical problem solving and quantitative reasoning including mathematics taken through career technical education programs. Dual credit engineering and computer science courses aligned to the state standards for grades nine (9) through (12), including AP Computer Science and dual credit computer Science course may also be counted as a mathematics credit. Students who choose to take computer science and dual credit engineering courses may not concurrently count such courses as both a mathematics and science credit for the same course.
Science - Lab based – 2 credits - Students Choice – 4 credits	6 Credits Instruction in the following: earth and space sciences, life sciences, computer science, biology, chemistry, environment, or approved applied sciences.
Social Studies - US History – 2 credits - Government – 2 credits - Economics – 1 credit	5 Credits Courses such as geography, sociology, psychology, and world history may not count towards this requirement.
Fine Arts Student choice – 2 credits	2 Credits May include visual art, music, theatre, dance, or world language aligned to Idaho content standards for those subjects. Other courses such as literature, history, philosophy, architecture, or comparative world religions may satisfy the humanities stands if the course is aligned to the Interdisciplinary Humanities Content Standards .
Health Student choice – 1 credit	1 Credit Course must be aligned to Idaho Content Standards and a student should receive a minimum of one (1) class period on psychomotor cardiopulmonary resuscitation (CPR) training as outlined in the American Heart Association (AHA) Guidelines for CPR to include proper utilization of an automatic external defibrillator (AED) as part of the Heath/Wellness course.
ELECTIVES	17 CREDITS

ADDITIONAL REQUIREMENTS	DESCRIPTION
Advanced Opportunities	Districts must offer at least one Advanced Opportunity such as Dual Credit, Advanced Placement, Tech Prep, or International Baccalaureate. *For more information on Advanced Opportunities, visit: http://www.sde.idaho.gov/student-engagement/advanced-ops/index.html
Senior Project	The senior project is a culminating project to show a student's ability to analyze, synthesize, and evaluate information and communicate that knowledge and understanding. A student must complete a senior project by the end of grade twelve (12). Senior projects may be multi-year projects, group, or individual projects, or approved pre-internship or school to work internship programs, at the discretion of the school district or charter school. The project must include elements of research, development of a thesis using experiential learning or integrated project-based learning experiences and presentation of the project outcome. Additional requirements for a senior project are at the discretion of the local school district or LEA. Completion of a postsecondary certificate or degree at the time of high school graduation or an approved pre-internship or internship program may be used to meet this requirement
Civics Test	All secondary students must demonstrate that they have met the state civics and government standard by successfully completing the civics test or alternate path. Successful completion of this requirement must be reflected on the student's transcript.

COURSE DESCRIPTIONS

ENGLISH

ENG108 ENGLISH 9:

In this course, students work on their written and oral communication skills, while strengthening their ability to understand and analyze works of literature, both classic and modern. Literature: Students read short stories, poetry, drama, novels, essays, and informative articles. The course sharpens reading comprehension skills and engages readers in literary analysis as they consider important human issues and challenging ideas. Students also learn to read for information in nonfiction texts. Language Skills: Students learn to express their ideas effectively. They sharpen their composition skills through focus on writing good paragraphs and essays in a variety of genres, such as persuasive and research essays. Students plan, organize and revise written works in response to feedback on drafts. In grammar, usage, and mechanics lessons, students expand their understanding of parts of speech, phrases and clauses, sentence analysis and structure, agreement, punctuation, and other conventions. Vocabulary lessons build knowledge of Greek and Latin words that form the roots of many English words. Students use word origins and derivations to determine the meaning of new words as they increase their vocabulary.

ENG208 ENGLISH 10:

In this course, students build on their language skills while reading classic and modern works of literature and improving their writing skills. Literature: Students read short stories, poetry, drama, and novels, sharpening their reading comprehension skills, and analyzing important human issues. Language Skills: Students continue to work on their oral and written expression skills, writing a variety of essays, including persuasive and research essays. Students plan, organize and revise their essays in response to feedback. They build on their skills in grammar, usage, and mechanics by studying parts of speech, phrases and clauses, sentence analysis and structure, agreement, punctuation, and other conventions. Thematic units focus on word roots, suffixes and prefixes, context clues, and other strategies to help students strengthen their vocabularies.

ENG303 AMERICAN LITERATURE:

In this genre-based course, students sharpen their reading comprehension skills and analyze important themes in classic and modern works of American literature, including short stories, poetry, drama, and novels. Students refine their skills of written expression by writing memoirs, persuasive essays, research essays, workplace documentation, and more. They develop vocabulary skills and refresh their knowledge of grammar, usage, and mechanics in preparation for standardized tests. Literature: Students read short stories, poetry, drama, and novels, sharpening their reading comprehension skills, and analyzing important themes in American literature. Language Skills: Students continue to work on their oral and written expression skills, writing a variety of essays, including memoirs, persuasive and research essays, and workplace documentation. Students plan, organize and revise their essays in response to feedback.

ENG403 BRITISH AND WORLD LITERATURE:

This course engages students in selections from British and world literature from the ancient world through modern times. They practice analytical writing and have opportunities for creative expression. Students also practice test-taking skills for standardized assessments in critical reading and writing.

MATHEMATICS

MTH148 INTEGRATED MATH I:

This first-year high school integrated math course focuses on linear and simple exponential models. The course contrasts linear behavior with exponential behavior and uses both linear and simple exponential equations as models. Students learn about and work extensively with functions—analyzing function properties and behavior, creating, and transforming functions, and applying functions to various continuous and discrete situations. The statistics in the course cover both univariate and bivariate data. For univariate data, students learn about measures of center and spread. For bivariate data, they learn about correlation and fitting data to a line. The topics in geometry include transformations, reasoning, congruence, construction, and analytic geometry.

MTH248 INTEGRATED MATH II:

Integrated Mathematics II, a second-year high school math course, introduces students to polynomials, including the factoring of polynomials, before moving onto quadratics equations and quadratic functions. Students expand their knowledge of sequences in learning about series. The course also covers probability, including conditional probability. There are many geometry topics in the course, including transversals, quadrilaterals, similarity, volume, and circles. Students solve problems using right triangle trigonometry and special right triangles and use the tools of analytic geometry to describe circles and parabolas in the coordinate plane.

MTH348 INTEGRATED MATH III:

In this third-year high school math course, students expand on previous high school math topics including systems of equations and inequalities, polynomials, trigonometry, statistics, and functions. The introduction of complex numbers leads to new adventures in factoring polynomials, solving polynomial equations, and graphing polynomials. Students work with radical and rational expressions and equations and extend their knowledge of exponential functions to inverses and logarithmic functions. In geometry, they learn about the unit circle and use trigonometric functions to model periodic processes. Other geometric topics include three-dimensional visualization, design and optimization, and real-world modeling. Students are introduced to piecewise and logistic functions and perform quadratic and exponential regressions. Finally, students use statistical and probability tools, such as the standard normal distribution, to understand data, and use simulations, experiments, and surveys to make inferences. Students take diagnostic tests at regular intervals to assess their current knowledge of fundamental content.

MTH307 PRACTICAL MATH:

In this course, students use math to solve real-world problems and real-world problems to solidify their understanding of key mathematical topics. Data analysis, math modeling, and personal finance are key themes in this course. Specific topics of study include statistics, probability, and graphs of statistical data, regression, finance, and budgeting. In addition, students learn how to use several mathematical models involving algebra and geometry to solve problems. Proficiency is measured through frequent online and offline assessments, as well as class participation. Units focused on projects also allow students to apply and extend their math skills in real-world cases.

SCIENCE

SCI102 PHYSICAL SCIENCE:

Students explore the relationship between matter and energy by investigating force and motion, the structure of atoms, the structure and properties of matter, chemical reactions, and the interactions of energy and matter. Students develop skills in measuring, solving problems, using laboratory apparatuses, following safety procedures, and adhering to experimental procedures. Students focus on inquiry-based learning with laboratory investigations and experiences. Two semesters.

SCI113 EARTH SCIENCE:

This course provides students with a comprehensive earth science curriculum, focusing on geology, oceanography, astronomy, weather, and climate. The program consists of in-depth online lessons, an associated reference book, collaborative activities, and hands-on laboratory experiments students can conduct at home. The course prepares students for further studies in geology, meteorology, oceanography, and astronomy courses, and gives them practical experience in implementing scientific methods. Two semesters.

SCI203 BIOLOGY:

In this course, students focus on the chemistry of living things: the cell, genetics, evolution, the structure and function of living things, and ecology. The program consists of online lessons, including extensive animations, an associated reference book, collaborative activities, virtual laboratories, and hands-on laboratory experiments students can conduct at home. Two semesters. ***Available for Dual Credit (CWI)**

SCI303 CHEMISTRY:

This course gives students a solid basis to move on to future studies. The course provides an in-depth survey of all key areas, including atomic structure, chemical bonding and reactions, solutions, stoichiometry, thermochemistry, organic chemistry, and nuclear chemistry. The course includes direct online instruction, laboratories, and related assessments, used with a problem-solving book. Two Semesters. ***Available for Dual Credit (CWI)**

SCI030 FORENSIC SCIENCE:

This course surveys key topics in forensic science, including the application of the scientific process to forensic analysis, procedures and principles of crime scene investigation, physical and trace evidence, and the law and courtroom procedures from the perspective of the forensic scientist. Through online lessons, virtual and hands-on labs, and analysis of fictional crime scenarios, students learn about forensic tools, technical resources, forming and testing hypotheses, proper data collection, and responsible conclusions. Offered 1st semester only.

HLT041 BIOTECHNOLOGY:

Biotechnology begins with an introduction to biotechnology. You will trace the history of biotechnology and learn about its impact on modern society. You will gain the essential skills needed to work in the field of biotechnology. As the course progresses, you will be introduced to the fundamentals of cell biology and molecular biology. Additionally, you will learn about breakthroughs in the field of biotechnology such as the polymerase chain reaction, recombinant DNA technology, and protein engineering. You will explore the significance of safety protocols in the laboratory. And finally, you will apply biotechnology laboratory techniques to perform an experiment. Students will be able to evaluate the impact of biotechnology on society, use the scientific process and document results, identify and practice the skills required to work in the field of biotechnology, articulate how biology and biochemical principles apply to biotechnology, and demonstrate knowledge of laboratory safety and common procedures. Two semesters.

SCI330 ANATOMY AND PHYSIOLOGY:

Starting with the relationship between anatomy and physiology, students will then learn about cell structure and

their processes. Learners will also discover the functions and purposes of the skeletal, muscular, nervous, and cardiovascular systems, as well as diseases that affect those systems. Students will learn about the structure, function, and interrelation between the lymphatic, immune, respiratory, digestive, urinary, and endocrine systems. The reproductive system is also discussed along with hereditary traits and genetics. Finally, students will explore the importance of accurate patient documentation as well as technology used in industry. Two Semesters. ***Available for Dual Credit (CWI)**

HISTORY AND SOCIAL SCIENCES

HST103 WORLD HISTORY A/B (Humanities):

In this comprehensive survey of world history from prehistoric to modern times, students focus in-depth on the developments and events that have shaped civilization across time. The course is organized chronologically and, within broad eras, regionally. Lessons address developments in religion, philosophy, the arts, science and technology, and political history. The course also introduces geography concepts and skills within the context of the historical narrative. Online lessons and assessments complement *World History: Our Human Story*, a textbook written and published by Stride. Students are challenged to consider topics in-depth as they analyze primary sources and maps, create timelines, and complete other projects. They practice historical thinking and writing skills as they explore the broad themes and big ideas of human history.

HST303 U.S. HISTORY:

This course is a full-year survey that provides students with a view of American history from the first migrations of nomadic people to North America to recent events. Readings are drawn from K12's *The American Odyssey: A History of the United States*. Online lessons help students organize their study, explore topics, review in preparation for assessments, and practice skills of historical thinking and analysis. Activities include analyzing primary sources and maps, creating timelines, completing projects and written assignments, and conducting independent research.

HST403 U.S. GOVERNMENT AND POLITICS:

This course studies the history, organization, and functions of the United States government. Beginning with the Declaration of Independence and continuing through to the present day, students explore the relationship between individual Americans and our governing bodies. Students take a close look at the political culture of our country and gain insight into the challenges faced by citizens, elected government officials, political activists, and others. Students also learn about the roles of political parties, interest groups, the media, and the Supreme Court, and discuss their own views on current political issues.

HST413 U.S. AND GLOBAL ECONOMICS:

This course in economic principles uses real-world simulations to teach the issues faced by producers, consumers, investors, and taxpayers in the U.S. and around the world. Topics include markets; supply and demand; theories of early economic thinkers; theories of value; money; the role of banks, investment houses, and the Federal Reserve; and other fundamental features of capitalism. A survey of current issues in American and global markets rounds out the course.

ADDITIONAL REQUIREMENTS

CAR400 CAREER PREPARATION I:

This course provides students with the tools, guidance, and opportunity to create and follow a career path. Students will conduct a personal exploration to determine their strengths and identify potential career pathways that align with their personality and interests. Students will hone their skills in securing a career by learning job search techniques, how to complete job applications, creating a resume, interview preparation and the development of a career portfolio. Finally, students learn the importance of being responsible and productive employees by learning employability skills, workplace etiquette, conflict management, as well as valuable life skills. Students also explore the pathways offered by ITCA.

TCH172 SOFTWARE APPS WORD:

Word with Exam Prep prepares students for the Microsoft Office Specialist Exam. This course teaches learners how to use the Word Application Interface and familiarize themselves with Word options. It covers topics such as navigating and customizing the ribbon, editing documents, formatting text, managing comments, and tracking changes to create professional documents. . *Available for Dual Credit (NIC)

OTH094 HEALTH SCIENCE II:

Challenging. Variable. Rewarding. These three words can be used to describe many careers in the health sciences. In this course, you will learn more about what it takes to be a successful health science professional, including how to communicate with patients. You will explore the rights and responsibilities of both patients and health science professionals in patient care and learn more about how to promote wellness among patients and health care staff. Finally, you will learn more about safety in health science settings and the challenges and procedures of emergency care, infection control, and blood-borne pathogens. *This course satisfies the Health graduation requirement.*

BUS410 INTRO TO BUSINESS COMMUNICATIONS:

No matter what career you are planning to pursue, excellent professional communication will be key to your success. Upgrade your abilities in speaking, listening, writing, using, and reading body language, and communicating in teams and groups. Discover how to plan, create, and deliver business presentations and communicate through graphics. In no time, you'll be communicating with confidence, stand out from your peers, and impress your employer. This course satisfies the communication graduation requirement.

COM110 INTERPERSONAL COMMUNICATION:

This course is a Project Based Learning course (PBL) and is designed as an exploration of interpersonal communication. Students study the concepts of communication, intercultural communication, building a personal brand, how to communicate effectively, and more. Student's complete projects to develop a deeper understanding of the roles these career functions play. This course satisfies the communication graduation requirement. *Available for Dual Credit (U of I)

SENIOR PROJECT:

Required to include an oral presentation and written report. The semester course will be taken during the student's 12th grade year. An oral presentation will be graded on content, aesthetics, mechanics, organization, and overall presentation.

BUSINESS: DIGITAL COMMUNICATIONS

TCH028DE3 PBL DIGITAL ARTS I:

In this exploratory course, students learn the elements and comprehensive understanding of this fast-growing field. Students learn principles of design as well as foundational concepts of visual communication. While surveying a variety of media and art, students use image editing, animation, and digital drawing to put into practice the art principles they have learned. They explore career opportunities in the design, production, display, and presentation of digital artwork. They respond to the artwork of others and learn how to combine artistic elements to create finished pieces that effectively communicate their ideas.

TCH310 DIGITAL MEDIA PHOTOSHOP WITH EXAM PREP:

This course provides a solid foundation for students to learn cutting-edge technology for sophisticated digital editing. Students' progress from basic to advanced Photoshop techniques and learn not only the how, but also the why behind each Photoshop tool to help students excel at design as well as master the software. At the end of this course, students are prepared to excel on the Adobe Certified Associate certification exam.

TCH330 DIGITAL MEDIA ILLUSTRATOR WITH EXAM PREP:

This course provides students with in-depth exploration in all areas of Adobe Illustrator. Beginning with fundamental concepts and progressing to the software's full set of features, this course allows students to build a portfolio by completing projects that explore and express their unique creative talents. At the end of this course, students are prepared to excel on the Adobe Certified Associate certification exam. *Prerequisites: Digital Arts I and Photoshop.*

TCH320 DIGITAL MEDIA INDESIGN WITH EXAM PREP:

This course provides students with an in-depth exploration of Adobe InDesign, the industry standard for page layout software. This course covers fundamental concepts, starting with the workspace, and proceeds logically and intuitively to more advanced topics. Students learn how to work in InDesign using either Mac or PC platforms, and the course includes extensive coverage of Creative Cloud features. At the end of this course, students are prepared to excel on the Adobe Certified Associate certification exam. *Prerequisites: Digital Arts I, Photoshop, and Illustrator.*

*Available for Dual Credit (CEI)

BUSINESS: BUSINESS MANAGEMENT

BUS210 MARKETING, ADVERTISING, AND SALES:

This course will cover various marketing functions, product planning, advertising operations, and the process of selling. Students will examine the role and structure of financial statements and types of business firms; evaluate the intersection of marketing and advertising, and key tools for marketing success; analyze the evolution of product design and the impact of marketing research; Interpret the advertising process and its intersection with selling and pricing mechanisms; measure the impact of economic theory on marketing and sales, and assess various careers across the industry, including related professional skills and workplace ethics.

BUS310 PRINCIPLES OF BUSINESS MANAGEMENT:

Principles of Business Management prepares students for the responsibilities of starting and managing a business in today's economic climate. Students interact with the mechanisms of management systems from the perspective of business leadership, with emphasis on honing their technical toolset to operate effectively in a changing landscape. Students also develop a functional awareness of the economic relationship between finance and marketing and attain an understanding of what it takes to both start and ethically run an enterprise with organizational goals in mind.

BUS430 ENTREPRENEURSHIP:

This one-semester course is intended to help you identify the components of a business plan, describe ideation and innovation in products and pricing, explain the market research process, and list various management functions of operations management. This course will cover the roles and attributes of an entrepreneur, marketing and its components, the selling process, and operations management. Students will be able to analyze entrepreneurial characteristics, examine economic theory relationships, and compare business models and acquisition strategies; synthesize knowledge from all units to solve comprehensive entrepreneurial challenges through unit activities and discussions; analyze product life cycle stages, apply new product development concepts, and assess distribution and advertising effectiveness; evaluate the costs and benefits associated with distribution and promotion strategies; assess market research importance, analyze technology's role in marketing, and apply person-to-person communication techniques in sales processes; and examine production efficiency methods, evaluate operational improvements, and analyze inventory control and supply chain management processes.

HEALTHCARE: MEDICAL ASSISTANT and/or PHARMACY TECHNICIAN

OTH094 HEALTH SCIENCE II:

Challenging. Variable. Rewarding. These three words can be used to describe many careers in the health sciences. In this course, you will learn more about what it takes to be a successful health science professional, including how to communicate with patients. You will explore the rights and responsibilities of both patients and health science professionals in patient care and learn more about how to promote wellness among patients and health care staff. Finally, you will learn more about safety in health science settings and the challenges and procedures of emergency care, infection control, and blood-borne pathogens. *This course satisfies the Health graduation requirement.*

HLT213DE2 MEDICAL TERMINOLOGY I:

This course is an introduction to medical terminology and covers word roots, suffixes, and prefixes as it relates to various medical specialties, structures of the body, medical procedures, and diseases. Students also receive practical experience in procedures performed in medical specialty facilities. *Prerequisite: Health Science *Available for DC (CWI)*

HLT420 CLINICAL MEDICAL ASSISTING:

Clinical Medical Assisting is a comprehensive course with insight and focus on patient care in the healthcare facility, providing foundational knowledge required of an allied healthcare professional. Video-based lessons include fundamentals of clinical medical assisting with emphasis on infection control, vital signs, the clinical laboratory, general and specialty physical examinations, urinalysis, microbiology, immunology, nutrition, cardiopulmonary diagnostic testing, pharmacology, medication administration, phlebotomy, hematology, surgical procedure assisting and emergency preparedness. Topics related to diversity, patient interaction, documentation, and communication will be addressed. Throughout each lesson, the role of the clinical medical assistant will be presented and explained as applicable to patient education and legal & ethical issues. Two Semesters. *Prerequisites: Medical Terminology and Anatomy and Physiology.*

HLT431 PHARMACY TECHNICIAN:

This Pharmacy Technician course is designed to educate and train the student in the diverse field of Pharmacy Technology. The student will be provided with didactic coursework in the areas of prescription processing, pharmacy nomenclature, biopharmaceutics and drug activity, dosage calculations, and common mathematical formulas and conversions. Consideration of drug routes and formulations includes tablets and capsules, liquid prescriptions, parenteral and enteral, and insulin and syringes. To better understand the business side of the pharmacy world, students will learn about HIPAA, drug regulation and control, inventory management, financial considerations, legal and ethical issues, sterile and non-sterile compounding, and units of measurement. Throughout the course, the student will perform realistic pharmacy simulations that duplicate tasks performed in the work environment. Two Semesters. Seniors ONLY. *Prerequisites: Medical Terminology and Anatomy and Physiology.*

AGRICULTURE: PLANT & SOIL and/or ANIMAL SCIENCE

COM110 PROFESSIONAL COMMUNICATION:

Professional Communications is a one-semester course that is designed to enable all students at the high school level to develop the communication skills they will need to be successful in a profession. Students learn about the key aspects of the communication process. They learn to apply communication protocol and appropriate language skills in professional and social communication. Students also explore effective strategies to address diversity in communication. Finally, students familiarize themselves with reading, writing, speaking, and listening skills. This course covers topics such as communication in business organizations and technology for communication. The course is based on Career Technical Education (CTE) standards designed to help students prepare for communication in a wide range of professions.. This course satisfies the communication graduation requirement. ***Available for Dual Credit (U of I)**

AGR233 PLANT & SOIL SCIENCE:

This is a one-year course designed to explore the plant and soil science industry. Topics covered include, but not limited to, agriculture careers, plant evaluation, fertilizers and soil amendments, scientific classification of plants, plant anatomy, plant processes, plant propagation, pesticides and herbicides, plant pests, soil conservation, and crop production in the United States.

AGR211 POULTRY & LIVESTOCK PRODUCTION:

This course discusses the foundational elements of poultry and livestock production. It covers the skills needed for employment in this field and explains how to apply this knowledge at work. Students will learn about the history and practices of the livestock industry, livestock production, and related environmental issues. In addition, this course provides detailed discussion of animal anatomy, nutrition, and reproduction.

CS EXPERIENTIAL LEARNING AND SAE:

This course addresses the role of experiential learning in Agricultural Education programs. The emphasis of the course will be to provide students with supervised experience in agriculture. Record keeping skills will be developed to assist the student in planning, decision-making, and reporting. ***Available for Dual Credit (U of I)**

CS PRINCIPLES OF AGRICULTURAL COMMUNICATIONS AND LEADERSHIP:

This course prepares individuals to serve in leadership and communication roles in agriculture. Course topics will include an examination of the journalistic, communication and broadcasting principles to develop and disseminate agricultural information, along with leadership principles related to leadership theory and personal leadership development. ***Available for Dual Credit (U of I)**

OTH033 INTRO TO VETERINARY SCIENCE

In the Introduction to Veterinary Science course, you will explore the history of veterinary science, and the skills and requirements for a successful career in the veterinary industry. You will also explore the physiology and anatomy of animals, learn how to evaluate their health, and determine effective treatment for infectious and noninfectious diseases. Additionally, you will learn about zoonotic diseases, and the impact of toxins and poisons on animal health. Students will trace the historical events and current trends in veterinary science; understand academic competencies, skills requirements, and licensing in the veterinary industry; explain the principles of animal anatomy and physiology; explain how to evaluate the health of animals; discuss musculoskeletal disorders and infectious and noninfectious diseases; demonstrate methods to detect and prevent diseases in animals; discuss zoonotic diseases and their impact on public health; and explain the impact of toxins and poisons on animal health.

OTHER ELECTIVES

TCH171 SOFTWARE APPS POWERPOINT:

PowerPoint with Exam Prep prepares students for the Microsoft Office Specialist Exam. This course introduces users to PowerPoint 2019 and covers: managing presentations, slides, text, shapes, and images, tables, charts, and SmartArt, 3D models and media, and transitions and animations. Students will learn basic terminology, modify slide masters and layouts, add/remove properties, set up slide shows and print options, use zoom techniques, add headers and footers, apply formatting and styles, insert hyperlinks and sections, resize and crop images, create shapes, insert audio/video clips, and set transition/animation effects and motion paths. *Available for Dual Credit (NIC)

TCH177 SOFTWARE APPS EXCEL:

Excel Expert with Exam Prep prepares students for the Microsoft Office Specialist Exam. This course is designed to help students gain an in-depth understanding of workbooks, data manipulation, logical operations, functions, PivotTables, and PivotCharts. Students will learn how to copy macros between workbooks, enable macros in a workbook, protect worksheets and cell ranges, configure formula calculation options, use the Fill feature, create custom number formats, manage comments, use language-specific features, manage data validation tools, remove duplicate values, create, and modify charts, use lookup references, and consolidate data. At the end of the course, students will be able to create and modify Pivot Tables, understand slicer features, and create and manipulate Pivot Charts. *Prerequisite is an A or B in Microsoft Word and the MOS Word certification.* *Available for Dual Credit (CWI)

OTH095 MYTHOLOGY & FOLKLORE:

In Mythology and Folklore, you will describe myths related to the creation of the world, the natural elements, and the destruction of the world. You will identify the main characters of various dynastic dramas, love myths, and epic legends and describe their journeys. You will trace the evolution of folklore and describe folktales from around the world. Students will be able to do the following:

- ❖ Assess and examine various myths, legends, and folklore.
- ❖ Evaluate the importance of mythology in various cultures and identify the characteristics and supernatural powers of various gods and goddesses in classical mythology.
- ❖ Examine various myths related to the creation and destruction of the world.
- ❖ Analyze myths related to various natural elements and events.
- ❖ Identify the protagonists of various dynastic dramas and examine their struggles.
- ❖ Identify the prominent characters involved in the Trojan War and examine their struggles during the conflict.
- ❖ Analyze how Odysseus triumphs over various obstacles and perils on his journey back home from Troy.
- ❖ Analyze the different stages of a hero cycle and examine the qualities and virtues embodied by the heroes in various stories.
- ❖ Illustrate the adventures of various heroes and evaluate how they defeat the monsters they encounter on their journeys.
- ❖ Analyze various myths about love involving gods, goddesses, and mortals.
- ❖ Identify the main characters in the legends of King Arthur and Robin Hood and illustrate their roles in these British legends.
- ❖ Identify various stories involving legendary monsters, places, and people.
- ❖ Evaluate the evolution of folklore and identify various folktales from around the world.
- ❖ Identify the main characters of various fairy tales and identify their roles.
- ❖ Identify the roles of tricksters in various myths, legends, and folklore.

BUS215 ACCOUNTING WITH QUICKBOOKS I and II:

This course provides an in-depth look at QuickBooks Online Plus, its features and benefits, and how to set up and

manage a company in its environment. Topics include licensing requirements, company information, project and class tracking, automation, list management, the Chart of Accounts, recurring transactions, journal entries, and connecting QuickBooks with apps. Additionally, students will learn how to set up and manage customers, products, services, and sales settings. Finally, students will learn about vendor records, expense settings, money-in and money-out transactions, bank accounts, transaction rules, and basic reports and views. With this course, participants will be able to confidently set up and manage a company using QuickBooks Online Plus. This curriculum prepares students for the certification product in the Intuit QuickBooks Certified User Online Certification.

TCH047 WEB DESIGN:

Web Design is a CodeHS course that teaches students how to build their own web pages. Students will learn the languages HTML and CSS and will create their own live homepages to serve as portfolios of their creations. By the end of this course, students will be able to explain how web pages are developed and viewed on the Internet, analyze and fix errors in existing websites, and create their very own multi page websites. Students will learn the foundations of user interface design, rapid prototyping, and user testing, and will work together to create professional, mobile responsive websites. *Available for Dual Credit (CEI)

TCH467 COMPTIA A+ CORE 1

This one-semester course by Edmentum is designed to cover the objectives of the CompTIA A+ (220-1001) exam. It starts with an overview of computer hardware components and peripherals. Then delves into network fundamentals, network hardware, and wireless networking. The course also covers virtualization, cloud concepts, and the features of laptops and mobile devices. Additionally, students learn how to troubleshoot issues related to hardware, networks, storage, mobile devices, and printers.

TCH468 COMPTIA A+ CORE 2

This one-semester program by Edmentum is designed to meet the objectives of the CompTIA A+ (220-1002) exam. It starts with an introduction to the Windows operating system. Then, it explores the change management process and identifies disaster prevention and recovery methods. The course also covers identifying security threats and various prevention techniques. Additionally, students learn about remote access methods and how to troubleshoot issues related to operating systems, security, and mobile applications.

COM210 DIGITAL AND INTERACTIVE MEDIA:

This one-semester course is intended as a practical, hands-on guide to help you understand the concepts of digital and interactive media. This course will cover careers, training, and emerging technologies in digital media. This course familiarizes you with the concepts involved in digital media, such as graphic design, digital photography, principles of design, and digital printing. This course also covers copyright laws and fair use involved in digital media. Professional Communications is a one-semester course that is designed to enable all students at the high school level to develop the communication skills they will need to be successful in a profession. Students learn about the key aspects of the communication process. They learn to apply communication protocol and appropriate language skills in professional and social communication. Students also explore effective strategies to address diversity in communication. Finally, students familiarize themselves with reading, writing, speaking, and listening skills. This course covers topics such as communication in business organizations and technology for communication. The course is based on Career Technical Education (CTE) standards designed to help students prepare for communication in a wide range of professions. Students will Evaluate the skills and training needed for various careers in digital and interactive media and prepare a digital portfolio and a résumé; design and create a variety of media products by applying design and digital media concepts, techniques, processes, and technologies; and choose the appropriate equipment and appraise safety procedures and ethical concerns in the creation and storage of digital media products.

HLT330 MEDICAL OFFICE PROCEDURES & ADMIN:

This course will introduce students to the health care industry, its environment along with the day-to-day skill set, and knowledge required to fulfill a position as a Medical Administrative Assistant. Modules include Professional Behavior, Communication, Law and Ethics, Law and Medicine, Daily Operations, Telephone Techniques, Appointment Scheduling, Correspondence, Computers, HIPPA, Regulations, Records Management, Information Management, Basics of Coding, Health Insurance Basics, Professional Fees, Accounting and Bookkeeping, Banking and Financial Management, Practice Management, Marketing and Customer Service.

HLT471 ELECTROCARDIOGRAPHY:

Electrocardiography is a comprehensive course with insight and focus on diagnostic cardiac testing in the healthcare facility, providing foundational knowledge required of an allied healthcare professional. Video-based lessons include the fundamentals of electrocardiogram performance, Holter monitor application and assistance with stress testing. An emphasis is placed on cardiac arrhythmias. Patient care, preparation and monitoring are addressed along with standard precautions and the Occupational Safety and Health Administration (OSHA).

BUS430 PBL ENTREPRENEURSHIP:

Students learn the basics of planning and launching their own successful business. Whether they want to start their own money-making business or create a non-profit to help others, this course helps students develop the core skills they need to be successful. They learn how to come up with new business ideas, attract investors, market their business, and manage expenses. Students hear inspirational stories of entrepreneurs who have turned their ideas into reality, and then they plan and execute their own business.

WBL511 INTERNSHIP 1:

Available equally for all 11th and 12th grade ITCA students. An internship is a well-defined, short-term workplace learning experience to help students prepare for a chosen career. An internship has intentional learning goals, supervision, and evaluation. Interns apply their classroom learning to real world experiences to enhance their education and add value to the employer. Typically, students participate in projects and/or work alongside professionals in their career field for a total of 30 hours or more per semester.

WBL531 WORK EXPERIENCE 1:

Work-based learning opportunities are available equally for all 11th and 12th grade ITCA students. A Work-Based Learning experience (WBL) is a well-defined, workplace learning experience for students working during their high school years. WBL has intentional learning goals, supervision, and evaluation. Students apply their classroom learning to real world experiences to enhance their education and add value to the employer or to their small business. Typically, students work an average of 3 hours a week or 30 hours or more per semester.