

# NWTC - Start College Now Courses

PLEASE NOTE:

- This list is NOT all-inclusive. There may be classes eligible for Start College Now that do not appear on this list.

- If you notice a course that is not on this list and should be, OR if you notice any errors on this list, please reach out to startcollegenow@nwtc.edu

\*Course has prerequisites that must be met.

\*\*Course requires admission to an academic program.

Catalog Number	Class Title	Credits	Description	Prerequisite	Program Area
10090111	Sustainable Ag: Issues & Practices	2.00	10-090-111 SUSTAINABLE AG: ISSUES & PRACTICES ...use critical thinking skills to compare organic and sustainable agricultural practices with industrial agriculture. Explore food production issues including antibiotics, herbicides, hormones, GMOs, animal welfare, crop yields, nutrients, and pollution.	N/A	Agriculture, Food, & Natural Resources
10090303	Agribusiness Economics	3.00	10-090-303 AGRIBUSINESS ECONOMICS ...basic knowledge of macro and micro economics will be taught, proficiency in developing basic cash flows, cost benefit analysis, enterprise analysis, budget development, profit loss statements and developing cost of production. Student should be able to develop adequate information for farm manager to analyze business proposals.	N/A	Agriculture, Food, & Natural Resources
10091326	Intro to Dairy Science	3.00	10-091-326 INTRO TO DAIRY SCIENCE ...this course provides basic knowledge of the dairy science field. Topics include animal health, anatomy and physiology, genetics and reproduction, basic breed characteristics and animal feedstuffs.	N/A	Agriculture, Food, & Natural Resources
10101110	Accounting 1	4.00	10-101-110 ACCOUNTING 1 ...accounting principles, financial statements, business transactions, accounting cycles/systems, specialized journals, accounting for cash and receivables for sole proprietorships in service or merchandising businesses.	N/A	Business, Marketing, and HR
10101106	Accounting Principles	3.00	10-101-106 ACCOUNTING PRINCIPLES ...this course provides the opportunity to learn the fundamentals of the accounting cycle, recording business transactions, preparations of the financial statements, financial statement analysis, accrual accounting, accounting for cash and internal controls, and payroll.	N/A	Business, Marketing, and HR
10101190	Quickbooks	1.00	10-101-190 QUICKBOOKS ...an introductory course in using QuickBooks to create vendor/employee accounts, invoices, budgets, profit/loss statements, balance sheets, A/R, A/P, journals, graphs.	N/A	Business, Marketing, and HR
10102132	BA Strategy Analysis & Evaluation	3.00	10-102-132 BA STRATEGY ANALYSIS & EVALUATION ...identify and define business needs; understand business structure, strategy, and impact of work efforts; define the importance of vision, strategy, goals and objectives; and define solution scope. Effectively facilitate change management. (Prerequisite: 10-102-130, Requirements Analysis & Design)	N/A	Business, Marketing, and HR
10102158	Business Principles	3.00	10-102-158 BUSINESS PRINCIPLES ...explore the business environment; global business; ethics and social responsibility; types of business ownership; entrepreneurship; role of management: operations management; human resources; marketing; managing financial resources and legal issues impacting business.	N/A	Business, Marketing, and HR
10104176	Consumer Behavior	3.00	10-104-176 CONSUMER BEHAVIOR ...examine consumer motivation and personality, information processing, lifestyles, group influences, post-purchase and post-purchase behavior in a market-based economy.	N/A	Business, Marketing, and HR
10106172	Customer Contact Skills	1.00	10-106-172 CUSTOMER CONTACT SKILLS...a hands-on approach to dealing with customers on the phone and in-person. Students will develop effective and efficient telephone etiquette, messaging, and voicemail skills.	N/A	Business, Marketing, and HR
10104191	Customer Experience	3.00	10-104-191 CUSTOMER EXPERIENCE ...examine customer service culture, develop communication and listening skills, explore diversity in the workplace, develop skills for handling challenging customers, and explore the impact of technology on customer service and engagement.	N/A	Business, Marketing, and HR
10104172	Digital Marketing	3.00	10-104-172 DIGITAL MARKETING ...an introduction into online marketing content management. From content creation and scheduling to current and trending digital tools, prepare for a world that is growing and changing every day. Create the foundation for a digital strategy that utilizes key concepts.	N/A	Business, Marketing, and HR

10145188	Entrepreneurial Service Management	3.00	10-145-188 ENTREPRENEURIAL SERVICE MANAGEMENT ...the elements of your successful business with a strategic plan that focuses on servicing your customer with a winning attitude, performance, teamwork, and competition.	N/A	Business, Marketing, and HR
10104125	Event Marketing	3.00	10-104-125 EVENT MARKETING...planning, promotion execution, and evaluation of special events (entertainment, industry, meeting/convention). Students will work toward the actual staging of an event (will require time outside of the classroom setting).	N/A	Business, Marketing, and HR
10109139	Exposition and Conventions	2.00	10-109-139 EXPOSITION AND CONVENTIONS ...determine budgets, return on investment, sponsorships, facility selections, exhibit layouts, convention services, promotional materials, public relations, risk assessments and post-show evaluations.	N/A	Business, Marketing, and HR
10145186	Financial Management-Small Business	3.00	10-145-186 FINANCIAL MANAGEMENT-SMALL BUSINESS ...the importance of good recordkeeping systems, reports, and the records necessary for a small business. Financial analysis techniques are explored through hands-on Income statements and cash flow projections for small businesses.	N/A	Business, Marketing, and HR
10109126	Hospitality Finance	3.00	10-109-126 HOSPITALITY FINANCE ...purchasing/receiving controls, storing/issuing controls, production controls, monitoring activities, sales controls, beverage controls, labor controls and financial statements.	N/A	Business, Marketing, and HR
10104107	Integrated Marketing Communications	3.00	10-104-107 INTEGRATED MARKETING COMMUNICATIONS ...creating, coordinating and integrating advertising, public relations and marketing activities for a specific customer or audience. A campaign will be developed and presented.	N/A	Business, Marketing, and HR
10106114	Keyboard-Speed Building	2.00	10-106-114 KEYBOARDING-SPEED BUILDING ...typing skill and speed development on the alphabetic and numeric keyboards using analytic/diagnostic software. Basic document processing.	N/A	Business, Marketing, and HR
10116113	Labor Relations & Negotiations	3.00	10-116-113 LABOR RELATIONS & NEGOTIATIONS ...introduces the participant to the history of the labor movement and includes the legal collective bargaining processes while applying the learned skills with case studies, a mock negotiation of a realistic collective bargaining contract, and the simulation of a grievance arbitration.	N/A	Business, Marketing, and HR
10182157	Logistics/Supply Chain Management	3.00	10-182-157 LOGISTICS/SUPPLY CHAIN MANAGEMENT ...logistics supply chain, demand management and customer service, procurement and supply management, global logistics, manufacturing, inventory management, warehousing, transportation and third-party logistics.	N/A	Business, Marketing, and HR
10104174	Marketing Analytics	3.00	10-104-174 MARKETING ANALYTICS ...will equip you with a theoretical understanding of the need for data-driven marketing decisions. It also provides the relevant tools in performing data collections and analysis in delivering Return on Investment (ROI).	N/A	Business, Marketing, and HR
10104110	Marketing Principles	3.00	10-104-110 MARKETING PRINCIPLES ...marketing management, market segmentation, market research, consumer behavior, product decisions and management of distribution, pricing, promotional decisions for strategy planning.	N/A	Business, Marketing, and HR
10145187	Marketing Your Small Business	3.00	10-145-187 MARKETING YOUR SMALL BUSINESS ...implement and evaluate a marketing plan for their small business. Students will develop a marketing plan for a selected small business. Components of the plan include market research, customer focus, quality, pricing, and advertising.	N/A	Business, Marketing, and HR
10103131	MS Excel Intro	1.00	10-103-131 MS EXCEL INTRO ...creating worksheets, enhancing worksheet appearance, moving data between worksheets and workbooks, using formulas and functions, creating charts and using clip art. Windows experience improves success.	N/A	Business, Marketing, and HR
10103161	MS Outlook	1.00	10-103-161 MS OUTLOOK ...create and organize E-mail, schedule meetings, create tasks, and manage contacts.	N/A	Business, Marketing, and HR
10103121	MS Word Intro	1.00	10-103-121 MS WORD INTRO ... word processing basics including creating, revising, formatting, printing; sections, tabs, multiple-page numbering; manipulating text; creating headers/footers; creating/formatting tables, graphics; and merging documents.	N/A	Business, Marketing, and HR
10135115	Online Search Strategies	3.00	10-135-115 ONLINE SEARCH STRATEGIES ...understanding of how search engines relate to the success of a website or web-based business by investigating the primary search engines and the tactics that can be used to increase visibility within search engines.	N/A	Business, Marketing, and HR

10102168	Operations Management	3.00	10-102-168 OPERATIONS MANAGEMENT ...explore the process of evaluating alternative courses of action to given problems and arriving at the most suitable plan. Operational decision making requires thorough analysis of the pros and cons of every alternative solution. Explore features of production/service systems to include aggregate planning, forecasting techniques, scheduling, MRP and ERP, and inventory management systems. An operational simulation will apply the learnings.	N/A	Business, Marketing, and HR
10116110	Organizational Health and Wellness	3.00	10-116-110 ORGANIZATIONAL HEALTH AND WELLNESS ...introduces the student to the concepts involved in organizational wellness programs and the impact from a financial and human asset standpoint. Learners will research wellness programs, develop proposed systems for district-based organizations, and calculate projected cost savings from the implementation of these programs. Insurance principles will also be examined by the learner.	N/A	Business, Marketing, and HR
10145185	Organizing Your Small Business	3.00	10-145-185 ORGANIZING YOUR SMALL BUSINESS ...the components of small business ownership; examining a variety of small business startup and operation scenarios. Assesses your own readiness to begin the entrepreneurial adventure.	N/A	Business, Marketing, and HR
10110101	Paralegal Intro/Legal Ethics	3.00	10-110-101 PARALEGAL INTRO/LEGAL ETHICS ...introduction to and exploration of the paralegal profession and paralegal roles; legal ethics, state and federal court systems; civil and criminal procedure; overview of substantive areas of law; locating and interpreting statutes and cases; drafting legal correspondence.	N/A	Business, Marketing, and HR
10104124	Professional Presentations	1.00	10-104-124 PROFESSIONAL PRESENTATIONS ...learn how to create and deliver presentations that engage your audience and meet established objectives. Utilize current technology to enhance communications	N/A	Business, Marketing, and HR
10106153	Professional Profile	3.00	10-106-153 PROFESSIONAL PROFILE ...developing a professional image and attitude, including study of business ethics and etiquette; goal setting; anger, stress, and time management; understanding of diverse cultures; and development of platform skills.	N/A	Business, Marketing, and HR
10104166	Professional Sales: Negotiation & Closing Techniques	2.00	10-104-166 PROFESSIONAL SALES: NEGOTIATION & CLOSING TECHNIQUES ...identify then navigate through customer resistance, and to utilize effective closing strategies that ensure customer satisfaction and promote goodwill.	N/A	Business, Marketing, and HR
10104152	Professional Sales: Overview & Prep	3.00	10-104-152 PROFESSIONAL SALES: OVERVIEW & PREP ...develop an understanding of the role consultative selling plays in a market based economy, and how to create a strong foundation to begin the selling process.	N/A	Business, Marketing, and HR
10106154	Records Management	3.00	10-106-154 RECORDS MANAGEMENT ...major systems of filing classification: alphabetic, numeric, geographic and subject; retention and disposition of records; records equipment and technology.	N/A	Business, Marketing, and HR
10109168	Restaurant Management	3.00	10-109-168 RESTAURANT MANAGEMENT ...food/beverage industry, product classifications, responsible service; bar/kitchen equipment/organization; maintaining clean/sanitary facilities; staffing, training, supervising food/beverage employees; promotions planning; budgeting/cost controls of food/beverage operations.	N/A	Business, Marketing, and HR
10104101	Selling Principles	3.00	10-104-101 SELLING PRINCIPLES ...selling as a career; success factors in selling; personality development; product knowledge; and the sales process involving preparation, approach, presentation-demonstration, handling objections, and closing the sale successfully.	N/A	Business, Marketing, and HR
10116114	Training for Organizations	3.00	10-116-114 TRAINING FOR ORGANIZATIONS ...applies the skills and tools necessary to implement the training cycle of assessment, design, implementation and evaluation. Each learner will develop and present a complete training project based upon adult learning theory and instructional design techniques.	N/A	Business, Marketing, and HR
10606116	CAD Intro	1.00	10-606-116 CAD (COMPUTER AIDED DRAFTING)-INTRODUCTION ...CAD terminology, drawing preliminaries, basic inquiry and setting commands, layer setting and manipulation, basic drawing and display commands, basic edit commands, and plotting, using AutoCAD software.	N/A	Construction/M anufacturing
10606160	Solidworks Fundamentals	1.00	10-606-160 SOLIDWORKS FUNDAMENTALS ...introduces terminology; software operation and interface layout. It also exposes the student to creating basic models, assemblies & using the drawing environment.	N/A	Construction/M anufacturing
10804301	Vocational Math A	1.00	10-804-301 VOCATIONAL MATH A ...This course provides the opportunity for the learner to develop the knowledge and skills to apply the concepts of whole numbers, fractions, decimals, measurement, proportions, and percent to their career. No prerequisites needed.	N/A	Construction/M anufacturing

10804302	Vocational Math B *	1.00	10-804-302 VOCATIONAL MATH B ...This course provides the opportunity for the learner to develop the knowledge and skills to apply the concepts of algebra, geometry, and trigonometry to their career.	Completion of: 10804301 Vocational Math A, with a C or better	Construction/M anufacturing
10614152	Prototyping - Introduction to	5.00	10-614-152 PROTOTYPING-INTRODUCTION TO ...introduction to the prototype & design industry using a variety of shop tools and equipment, machine processes, and fabrication techniques with an emphasis on shop safety, hand skills, accuracy, professionalism, and working within specified tolerances to build three dimensional models.	N/A	Construction/M anufacturing
10449112	OSHA 30	1.00	10-449-112 OSHA 30 ...addresses OSHA 29CFR1926 rules and is approved by OSHA for construction workers, foremen, job supervisors, and anyone involved in construction trades. Successful participants receive 30-hour card from OSHA.	N/A	Construction/M anufacturing
10410108	Building Codes - Carpentry	1.00	10-410-108 BUILDING CODES - CARPENTRY ...this course will teach the basic requirements for the erection of buildings inhabited by the public for living, work and pleasure.	N/A	Construction/M anufacturing
10206100	Digital Audio	3.00	10-206-100 DIGITAL AUDIO ...concept of analog to digital audio conversion; audio production with software including editing, processing, mixing and exporting. Creating radio imaging and advertising; producing various length content for distribution through multiple mediums.	N/A	Digital Arts
10206130	Digital Media Overview	2.00	10-206-130 DIGITAL MEDIA OVERVIEW ...media examples in audio, video, history of radio/tv broadcasting, concepts of videography, live video streaming, pre-production, scriptwriting and motion graphics.	N/A	Digital Arts
10111112	Graphic Design Fundamentals *	3.00	10-111-112 GRAPHIC DESIGN FUNDAMENTALS ...explore and discover graphic design careers. Course content covers history of graphic design, concept strategies, presentation and critique processes. Begin applying design principles, design solutions, and design requirements.	Corequisite: 10111161 Illustrator Fundamentals	Digital Arts
10111161	Illustrator Fundamentals	3.00	10-111-161 ILLUSTRATOR FUNDAMENTALS ...develop basic knowledge and skills using Adobe Illustrator, apply vector graphic strategies into graphic design medias and integration into other software packages. Course content covers creating basic shapes, drawing, transforming elements, working with type, blending, layers and special effects.	N/A	Digital Arts
10206114	Mixing & Mastering	2.00	10-206-114 MIXING & MASTERING ...the fundamental principles and techniques needed to fuse multiple audio elements into a clear comprehensive final product. Delivery of professional sounding stereo audio files, that can be used on TV, radio, film and the internet. Examine modern music production, including level control, frequency content, stereo imaging, and spatial depth. Lessons will include equalization and dynamic level adjustment of stereo content to make it competitive, balancing audio tracks, panning, dynamics (compressors, limiters, expanders, and gates), enhancers, delays and reverb.	N/A	Digital Arts
10206115	Music Synthesis	3.00	10-206-115 MUSIC SYNTHESIS ...concept of digital synthesis, using various software synthesizers. Creating new sounds and instruments for use in song creation in many styles. FM, Wavetable, Additive, Subtractive as well as sampling based synthesis are discussed.	N/A	Digital Arts
10203105	Photography - Business Practices	1.00	10-203-105 PHOTOGRAPHY-BUSINESS PRACTICES ...learn business practices needed to succeed in the photography industry. Develop contracts, release forms, set a pricing structure, understand copyright, among other entrepreneurial and corporate practices.	N/A	Digital Arts
10203104	Photography - Digital	3.00	10-203-104 PHOTOGRAPHY-DIGITAL ...learn basic digital camera operations for capturing still images. Develop skills needed to create a proper exposure in various camera modes in addition to lens selection, lighting basics and creative compositions. Access to an SLR or mirrorless digital camera required.	N/A	Digital Arts
10203187	Photography - Digital Editing *	3.00	10-203-187 PHOTOGRAPHY-DIGITAL EDITING ...digital editing through advanced tool usage and masking in Adobe Photoshop and Lightroom. Non-destructive editing through RAW and smart objects. Learn color correction, advanced retouching, automation, and develop reusable presets/compositions.	10111101 Photoshop Fundamentals	Digital Arts
10203120	Photography - Landscape and Nature *	1.00	10-203-120 PHOTOGRAPHY-LANDSCAPE AND NATURE ...photograph landscapes and water, night and low light, flora and fauna, and macro images to showcase natural scenes and textures. Learn equipment needed, safety in the field, and post-production techniques. Access to an SLR or mirrorless digital camera required.	10203104 Photography - Digital	Digital Arts
10203178	Photography - Lighting *	3.00	10-203-178 PHOTOGRAPHY-LIGHTING ...identify and control qualities of light. Setup and photograph multiple light scenarios with speed-lights, strobes, and continuous lights. Work with natural light and light modifiers. Access to an SLR or mirrorless digital camera required.	10203104 Photography - Digital	Digital Arts

10203180	Photography - Lightroom	3.00	10-203-180 PHOTOGRAPHY-LIGHTROOM ... organize and manage a library of images by applying metadata and backup solutions. Course content covers functions of Adobe Lightroom. Creatively edit photos using basic retouching, image detailing and color correction in preparation for publishing or print.	N/A	Digital Arts
10203126	Photography - Video Intro	1.00	10-203-126 PHOTOGRAPHY-VIDEO INTRO ...video basics for photographers. Create video using proper resolution, frame rates and exposure settings. Develop skills in composition, story development, basic video editing, and delivery formats. Access to an SLR or mirrorless digital camera required.	N/A	Digital Arts
10111110	Photoshop Advanced *	3.00	10-111-110 PHOTOSHOP ADVANCED ...perform raster Image Editing. Course content covers advanced functions of Adobe Photoshop, advanced editing techniques and short cut keys. Create image effects and composite files using Adobe CC software, and manage project components for complex Photoshop files.	10111101 Photoshop Fundamentals	Digital Arts
10111101	Photoshop Fundamentals	3.00	10-111-101 PHOTOSHOP FUNDAMENTALS ...Photoshop is the essential tool for digital image manipulation in graphic design, web design, and photography. Students develop technical skills in solving visual design and production problems. Instruction covers Photoshop's vast array of tools, filters, and procedures including workspace basics, image resizing, output preparation, layer management, selection strategies, editing and adjustment basics, composites, filters, and effects. A portfolio of digitally generated and manipulated images is completed to demonstrate course competencies and learning objectives have been met.	N/A	Digital Arts
10206112	Programming Beats	3.00	10-206-112 PROGRAMMING BEATS ...concept of rhythm, utilizing drums and percussion in various styles with Drummer Tracks and Ultrabeat-Logic's beat creation interface. Musical feel as well as quantizing and expression are explored.	N/A	Digital Arts
10206121	Sampling & Remixing	2.00	10-206-121 SAMPLING & REMIXING ...creating sound from many audio sources, manipulating and using those sounds in musical compositions. Changing existing song structure to create extended dance mixes, radio mixes and dubs. Distribution and marketing for the new composer/songwriter, finding musical opportunities.	N/A	Digital Arts
10206180	Scriptwriting & Preproduction	3.00	10-206-180 SCRIPTWRITING & PREPRODUCTION ...research and development of writing for broadcast (traditional and web) and pre-produced media. Script based production planning including budgeting, scheduling, storyboarding and logistics planning. Legal matters including copyright, talent and location releases.	N/A	Digital Arts
10206154	Video Production and Editing 1	3.00	10-206-154 VIDEO PRODUCTION AND EDITING I ...fundamentals of video production and editing including project and media management, organization and workflow. Emphasis on hands-on production and post production experience using current technologies in digital video.	N/A	Digital Arts
10206183	Videography	3.00	10-206-183 VIDEOGRAPHY ...technical aspects of capturing motion images including composition, lighting, exposure, filtration, and camera selection. Develop skills in pre-production through post-production of motion photography projects.	N/A	Digital Arts
10481114	Intro to Energy Management	3.00	10-481-114 INTRO TO ENERGY MANAGEMENT ...introduces the basic concepts of energy, utility systems and utility rate structures; defines the need for energy management as an integral part of society at all levels. The course will present the various opportunities available to energy management students. PLEASE NOTE: It is recommended to take Renewable Energy and Sustainability as a precursor to any other Energy courses.	N/A	Energy
10480101	Renewable Energy and Sustainability	4.00	10-480-101 RENEWABLE ENERGY AND SUSTAINABILITY ...an overview of various renewable energy technologies and sustainable design practices and their current applications. Emphasis will be placed on policies, renewable energy production, green products and jobs. PLEASE NOTE: It is recommended to take Renewable Energy and Sustainability as a precursor to any other Energy courses.	N/A	Energy
10481117	Energy Control Strategies	2.00	10-481-117 ENERGY CONTROL STRATEGIES ...building system control concepts and devices; including electric and digital controls, emphasis is placed on identifying and understanding control strategies related to energy using systems and methods to estimate energy savings. PLEASE NOTE: It is recommended to take Renewable Energy and Sustainability as a precursor to any other Energy courses.	N/A	Energy

10481103	Smart Start to Building Automation Systems	1.00	10-481-103 SMART START TO BUILDING AUTOMATION SYSTEMS ...identify and understand how building mechanical systems including ventilation and air handling, heating, cooling, and lighting components are used to provide human comfort. The course focus is on Building Automation System (BAS) components, including system architecture and sequences of operation. PLEASE NOTE: It is recommended to take Renewable Energy and Sustainability as a precursor to any other Energy courses.	N/A	Energy
10481104	Building Automation Systems Networking 1	1.00	10-481-104 BUILDING AUTOMATION SYSTEMS NETWORKING 1 ...presents the fundamental concepts of Building Automation System (BAS) network architecture, digital network communications, IP protocol, network signal transmission and media. PLEASE NOTE: It is recommended to take Renewable Energy and Sustainability as a precursor to any other Energy courses.	N/A	Energy
10660104	DC 1: Introduction	1.00	10-660-104 DC 1: INTRODUCTION ...introduction to the concepts of DC electricity and simple series circuits. Voltage, current, resistance, Ohm's Law, power and Kirchoff's Voltage Law are defined. (This class can only be taken at the high school level.) PLEASE NOTE: It is recommended to take Renewable Energy and Sustainability as a precursor to any other Energy courses.	N/A	Energy
10482126	Introduction to Solar	4.00	10-482-126 INTRODUCTION TO SOLAR ...an overview of the use of sunlight to produce heat and electricity and the practical and economical use of solar power and solar thermal systems. Learn the importance of energy efficiency and the economics of solar hybrid designs. PLEASE NOTE: It is recommended to take Renewable Energy and Sustainability as a precursor to any other Energy courses.	N/A	Energy
10809172	Intro to Diversity Studies	3.00	10-809-172 INTRO TO DIVERSITY STUDIES...basic American values of justice and equality by teaching vocabulary, history of immigration/conquest, transcultural communication, legal liability, multicultural majority/minority relations, ageism, sexism, gender, sexual orientation, the disabled/ADA.	N/A	General Studies
10809166	Intro to Ethics: Theory and App	3.00	10-809-166 INTRO TO ETHICS: THEORY & APP ...basic understanding of theoretical foundations of ethical thought; analyze/compare relevant issues using diverse ethical perspectives; critically evaluate individual, social/professional standards of behavior--applying a systematic decision-making process.	N/A	General Studies
10806112	Principles of Sustainability	3.00	10-806-112 PRINCIPLES OF SUSTAINABILITY ...prepares the student to develop sustainable literacy, analyze the interconnections among the physical and biological sciences and environmental systems, summarize the effects of sustainability on health and well-being, analyze connections among social, economic, and environmental systems, employ energy conservation strategies to reduce the use of fossil fuels, investigate alternative energy options, evaluate options to current waste disposal and recycling in the U.S., and analyze approaches used by your community to promote and implement sustainability.	N/A	General Studies
10801136	English Composition 1	3.00	10-801-136 ENGLISH COMPOSITION 1 ...learners develop knowledge/skills in planning, organizing, writing, editing. Students will also analyze audience/purpose, use elements of research, format documents using standard guidelines, and develop critical reading skills.	N/A	General Studies
10801196	Oral/Interpersonal Communication	3.00	10-801-196 ORAL/INTERPERSONAL COMMUNICATION ...this course focuses on developing effective listening techniques and verbal and nonverbal communication skills through oral presentation, group activity, and other projects. The study of self, conflict, and cultural contexts will be explored, as well as their impact on communication.	N/A	General Studies
10809122	Intro to American Government	3.00	10-809-122 INTRO TO AMER GOVERNMENT ...introduces American political processes and institutions: focusing on rights/responsibilities of citizens and the process of participatory democracy. Examines separation of powers and checks/balances & the roles of different groups.	N/A	General Studies
10809196	Intro to Sociology	3.00	10-809-196 INTRODUCTION TO SOCIOLOGY ...the nature and variety of groups; inequality, race and ethnicity; family, population, social integration, and change; collective behavior; politics, economics, religion, education, and the effects of technology.	N/A	General Studies

10809195	Economics	3.00	10-809-195 ECONOMICS This course is designed to give an overview of how a market-oriented economic system operates, and it surveys the factors which influence national economic policy. Basic concepts and analyses are illustrated by reference to a variety of contemporary problems and public policy issues. Concepts include scarcity, resources, alternative economic systems, growth, supply and demand, monetary and fiscal policy, inflation, unemployment and global economic issues.	N/A	General Studies
10809198	Intro to Psychology	3.00	10-809-198 INTRODUCTION TO PSYCHOLOGY ...survey of theoretical foundations of human behavior such as sensation and perception, motivation, emotions, learning, personality, psychological disorders, therapy, stress, and human diversity in personal, social and vocational settings.	N/A	General Studies
10809188	Developmental Psychology	3.00	10-809-188 DEVELOPMENTAL PSYCHOLOGY ...defines human development; examines theories; heredity and environmental effects; prenatal development and birth; evaluates biosocial, cognitive psychosocial development through the life span; aging, death, and dying.	N/A	General Studies
10809159	Abnormal Psychology	3.00	10-809-159 ABNORMAL PSYCHOLOGY ...surveys features, causes, assessment and treatment of abnormal behavior through major theoretical perspectives. Introduces the diagnosis system of the DSM-IV, the history, cultural/social differences, current perspectives, diagnosis criteria/treatments.	N/A	General Studies
10890101	College 101	1.00	10-890-101 COLLEGE 101 ...Students will utilize digital tools and resources to assess, explore, practice, apply, and evaluate both employability and learning skills. By establishing NWTC cultural values as hallmarks of success in academic, career, and personal settings the course encourages reflective, personalized development of a growth mindset and emphasizes the importance of making wise choices. To maximize the return on investment, students should take this course in their first semester as it identifies key expectations (hidden rules) of higher learning and professional employment.	N/A	General Studies
10806154	General Physics 1	4.00	10-806-154 GENERAL PHYSICS 1 ...applications/theory of basic physics principles: problem-solving, laboratory investigation, and applications including unit conversion and analysis, vectors, translational and rotational kinematics/dynamics, heat/temperature, and harmonic motion and waves.	N/A	General Studies
10804134	Mathematical Reasoning	3.00	10-804-134 MATHEMATICAL REASONING ...All college students, regardless of their college major, need to be able to make reasonable decisions about fiscal, environmental, and health issues that require quantitative reasoning skills. An activity based approach is used to explore numerical relationships, graphs, proportional relationships, algebraic reasoning, and problem solving using linear, exponential and other mathematical models. Students will develop conceptual and procedural tools that support the use of key mathematical concepts in a variety of contexts. This course may be used as the first of a two part sequence that ends with Quantitative Reasoning as the capstone general education math requirement.	N/A	General Studies
30543300	Nursing Assistant **	3.00	30-543-300 NURSING ASSISTANT...basic nursing/personal care skills, principles of communication skills, resident rights and team work with other care givers under the supervision of a licensed nurse.	Acceptance into CNA Program (contact NWTC Career Coach or Dual Credit Specialist for more information)	Health Science
10501101	Medical Terminology	3.00	10-501-101 MEDICAL TERMINOLOGY ...focuses on the component parts of medical terms: prefixes, suffixes, and root words. Students practice formation, analysis and reconstruction of terms. Emphasis on spelling, definition and pronunciation. Introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systemic and surgical terminology.	N/A	Health Science
10501104	Contemporary Healthcare Practices	2.00	10-501-104 CONTEMPORARY HEALTHCARE PRACTICES...prepares learners to work in the healthcare environment as part of a healthcare team. Learners will investigate the healthcare community, patient privacy standards, and the professional behavior that is expected in today's medical community. Learner will examine various aspects of verbal and written communication skills, customer service principles, and problem solving techniques necessary to be a vital member of the healthcare workforce.	N/A	Health Science
10501107	Digital Literacy for Healthcare	2.00	10-501-107 DIGITAL LITERACY FOR HEALTHCARE...the course will explore the use of the electronic health record, the role of social media in health care communication, the uses of wearable technologies that monitor activity and heart rate, the use of data to manage population health and the impact of new developments on the healthcare workforce.	N/A	Health Science

10806189	Basic Anatomy	3.00	10-806-189 BASIC ANATOMY ...examines concepts of anatomy and physiology as they relate to health careers. Learners correlate anatomical and physiological terminology to all body systems.	N/A	Health Science
10806177	General Anatomy & Physiology *	4.00	10-806-177 GENERAL ANATOMY & PHYSIOLOGY ...overview of the human anatomy/physiology using a body-systems approach, emphasizing the interrelationships between form/function at the gross and microscopic levels.	C or better in high school Chemistry	Health Science
10806134	General Chemistry *	4.00	10-806-134 GENERAL CHEMISTRY ...covers chemistry fundamentals. Topics: metric system, problem-solving, periodic relationships, chemical reactions, chemical equilibrium, properties of water; acids, bases, and salts; and gas laws.	C or better in high school Algebra 2	Health Science
10520103	Emotional Intelligence	2.00	10-520-103 EMOTIONAL INTELLIGENCE ...This course will introduce the student to the importance of emotional intelligence in the human services field. Emotional intelligence works to increase the student's emotional self-awareness, self-regulation, core values internal motivation, increasing empathy, and building skills for interpersonal effectiveness needed to be an effective human service worker. Students will utilize these basic skills in the human service field to adapt and manage their responses to various situations. Apply reflective practitioner techniques.	N/A	Human Services & Education
10520104	Advocacy of Special Populations	3.00	10-520-104 ADVOCACY OF SPECIAL POPULATIONS ...Examine the concept of advocacy as it relates to the human services field. Identify various populations that students will work with within the human services field. Develop and practice strategies for communication and advocating for people. Explore belief systems, social pressure, moral problems and decision making as it relates to various child and adult populations. Apply reflective practitioner techniques.	N/A	Human Services & Education
10522102	EDU: Techniques in Reading	3.00	10-522-102 EDU; TECHNIQUES IN READING ...students learn techniques to support reading development for all learners. Students learn techniques to promote phonological awareness, phonemic awareness, and phonics. Students also learn strategies to promote word analysis, vocabulary, and reading fluency skills.	N/A	Human Services & Education
10522103	EDU: Introduction to Educational Practices	3.00	10-522-103 EDU: INTRODUCTION TO EDUCATIONAL PRACTICES ...students analyze preK-12 education in the United States, determine roles and responsibilities of school personnel, and explore current trends and best practices. Students identify how students learn and the foundations of lesson planning. Students analyze Assessment strategies, classroom management, and techniques for supporting learners.	N/A	Human Services & Education
10522105	EDU: Behavior Management	3.00	10-522-105 EDU: BEHAVIOR MANAGEMENT ...students evaluate models of behavior management, analyze social emotional learning, and explain the importance of proactive management techniques. In addition, students evaluate models of behavior management, analyze behavior and analyze the influence of Adverse Childhood Experiences on behavior in order to focus on developing skills to assist in empowering children to take an active role in self-control and classroom management.	N/A	Human Services & Education
10522106	EDU: Child & Adolescent Development	3.00	10-522-106 EDU: CHILD & ADOLESCENT DEVELOPMENT...provides an overview of physical, motor, perceptual, cognitive, social/emotional and growth and development birth through adolescence. Analyzes social, parental, cultural, brain, and economic influences on development.	N/A	Human Services & Education
10522110	EDU: Literary Resources - Children	3.00	10-522-110 EDU: LITERARY RESOURCES-CHILDREN ...learners use literature genres to support student learning in a library setting. Literature supported with drama, author studies, motivational activities, and storytelling. Supporting classroom teachers and literature awareness also incorporated.	N/A	Human Services & Education
10522114	EDU: Techniques in Language Arts	3.00	10-522-114 EDU: TECHNIQUES IN LANGUAGE ARTS ...students explore various genres of children's and young adult literature. Students examine techniques used to support learners in reading and writing and strategies for assessing learners in the process. Students examine techniques to support learners with reading and writing across the curriculum.	N/A	Human Services & Education
10522118	EDU: Techniques in Math	3.00	10-522-118 EDU: TECHNIQUES IN MATH ...students learn key terminology and research-based strategies to support learners in math domains: numbers, base ten operations, algebraic thinking, geometry, and measurement and data. Current practice including manipulatives, problem solving and assessment will be covered within the framework of state and national standards.	N/A	Human Services & Education

10522120	EDU: Techniques in Science	3.00	10-522-120 EDU: TECHNIQUES IN SCIENCE ...students are introduced to the content and processes of teaching science. Students explore science processes, strategies, procedures, assessment options and factors affecting science learning. Students study and practice strategies for assisting with group and individual activities in science.	N/A	Human Services & Education
10307148	ECE: Foundations of Early Childhood	3.00	10-307-148 ECE: FOUNDATIONS OF EARLY CHILDHOOD ... This 3-credit course introduces you to the early childhood profession. Course competencies include: explore the concepts of diversity, cultural responsiveness, and anti-bias as it relates to early childhood education, investigate the history of early childhood education, examine regulatory requirements for early childhood education programs in WI, summarize types of early childhood education settings, identify the components of a quality early childhood education program, summarize responsibilities of early childhood education professionals, explore early childhood curriculum models and examine the critical role of play as it relates to developmentally appropriate practice.	N/A	Human Services & Education
10307151	ECE: Infant & Toddler Development	3.00	10-307-151 ECE: INFANT & TODDLER DEVELOPMENT...In this 3-credit course you will study infant and toddler development as it applies to an early childhood education setting. Course competencies include: integrate strategies that support diversity, cultural responsiveness, and anti-bias perspectives; analyze development of infants and toddlers (conception to thirty-six months); correlate prenatal and postnatal conditions with development; summarize child development theories; analyze the role of heredity and the environment; examine culturally and developmentally appropriate environments for infants and toddlers, examine the role of brain development in early learning (conception through thirty-six months); examine caregiving routines as curriculum; and examine developmental and environmental assessment strategies for infants and toddlers.	N/A	Human Services & Education
10307167	ECE: Health Safety & Nutrition	3.00	10-307-167 ECE: HEALTH SAFETY & NUTRITION...This 3-credit course examines the topics of health, safety, and nutrition within the context of the early childhood educational setting. Course competencies include: integrate strategies that support diversity, cultural responsiveness, and anti-bias perspectives; examine governmental regulations and professional standards as they apply to health, safety, and nutrition; plan a safe early childhood environment; plan a healthy early childhood environment; plan nutritionally sound menus; examine child abuse and neglect issues and mandates; describe Sudden Infant Death Syndrome (SIDS) risk reduction strategies, describe strategies to prevent the occurrence of Shaken Baby Syndrome (SBS); incorporate health, safety, and nutrition concepts into the children's curriculum.	N/A	Human Services & Education
10150163	IT: Network: Cisco 1	3.00	10-150-163 IT:NETWORK:CISCO 1 ...this course will provide the learner the opportunity to understand IT networking concepts including cable characteristics and termination, OSI reference model, IP addressing and subnetting, network architectures and basic protocols, Ethernet switches, basic router operation and configuration.	N/A	Information Technology
10150177	Windows Client Essentials	2.00	10-150-177 WINDOWS CLIENT ESSENTIALS...this course will provide the learner the opportunity to develop the knowledge, skills, process, and understanding of client OS installation, configuration, administration, including troubleshooting, network connectivity, standard system maintenance procedures, and command line introduction.	N/A	Information Technology
10150200	Cisco Intro	3.00	10-150-200 CISCO INTRO ...introduces the architectures, models, protocols, and networking elements that connect users, devices, applications and data through the internet and across modern computer networks - including IP addressing and Ethernet fundamentals. By the end of the course, students can build simple local area networks (LANs) that integrate IP addressing schemes, foundational network security, and perform basic configurations for routers and switches.	N/A	Information Technology
10152173	Programming in C# Part 1	3.00	10-152-173 PROGRAMMING IN C# PART 1 ...provides a foundation of syntax/semantics of C# .NET programming language to develop Windows-based applications. Covers the architecture of Microsoft's .NET platform where C# is the native language.	N/A	Information Technology
10152185	Website Coding HTML & CSS	3.00	10-152-185 WEBSITE CODING HTML & CSS ...create code for generating the structure, function, and design of static websites using standards-based HTML5 and CSS3; validate code; test multi-browser and multi-device functionality.	N/A	Information Technology

10154150	Hardware 1	3.00	10-154-150 HARDWARE 1...learners will be introduced to installing, troubleshooting, and configuring: computing basics, PC Technician Responsibilities, hardware components, operating systems Basics, storage media, system implementation, and system management tools.	N/A	Information Technology
10154190	Help Desk/User Support	2.00	10-154-190 Help Desk/User Sup ...describe the role of the help desk in technology support, use terminology, processes, and tools, and demonstrate the use of business, technical, communication, and self-management skills required for help desk support professionals.	N/A	Information Technology
10503118	Health & Wellness for Public Safety	2.00	10-503-118 HEATH & WELLNESS FOR PUBLIC SAFETY ...a guide to a comprehensive occupational safety, health, and wellness program in a fire and emergency response organization.	N/A	Law, Public Safety, Security
10503156	Strategies, Tactics, and Incident Management	4.00	10-503-156 STRATEGIES, TACTICS, AND INCIDENT MANAGEMENT ...provides an in-depth analysis of the principles of emergency response through utilization of an incident management system. Prepares students to pursue current national ICS training requirements.	N/A	Law, Public Safety, Security
10503193	Fire Protection Systems	3.00	10-503-193 FIRE PROTECTION SYSTEMS ...provides information relating to the features of design and operation of fire detection and suppression systems.	N/A	Law, Public Safety, Security
10504162	Fundamentals of Emergency Dispatch	3.00	10-504-162 FUNDAMENTALS OF EMERGENCY DISPATCH ...This course provides the opportunity for the learner to develop the knowledge skills process and understanding every successful public safety telecommunicator needs to meet the demands of this critical profession.	N/A	Law, Public Safety, Security
10504168	Criminal Justice - Professional Communications	3.00	10-504-168 CRIMINAL JUSTICE-PROFESSIONAL COMMUNICATIONS...Learners will internalize and apply the foundations of human interaction including universal truths; development of voluntary compliance, cooperation, and collaboration; owning their own weaknesses; and, knowing when to act. Students will apply professional communication skills, including arbitration, mediation, and ethical intervention in a simulated criminal justice setting.	N/A	Law, Public Safety, Security
10504193	Private Investigation Tactics	3.00	10-504-192 PRIVATE INVESTIGATION TACTICS ...private investigators are used by law firms, corporations, insurance companies and other public and private entities. This course covers the basics of locating individuals using open sources of information, ethical considerations for investigators, constitutional law application and current investigative practices as preparation for success as a private investigator, corporate and private security or insurance claim investigator. Includes lessons on developing a business and marketing plan and preparing for the Wisconsin Private Detective license exam.	N/A	Law, Public Safety, Security
10506152	Industrial Safety & Emergency Response	3.00	10-506-152 INDUSTRIAL SAFETY & EMERGENCY RESPONSE ...state and federal regulations related to worker safety, industrial hygiene, and response to emergency situations. Emphasis is placed on response to releases of hazardous materials.	N/A	Law, Public Safety, Security
10531102	Emergency Medical Technician **	5.00	10-531-102 EMERGENCY MEDICAL TECHNICIAN ...preparatory aspects, airway management, patient assessment, medical/behavioral cases, trauma care, pediatric cases, and field operations in basic life-support emergency medical care.	Acceptance into EMT Program (contact NWTC Career Coach or Dual Credit Specialist for more information)	Law, Public Safety, Security
10804113	College Technical Math 1A	3.00	10-804-113 COLLEGE TECHNICAL MATH 1A ...topics include solving linear equations; graphing; percent; proportions; measurement systems; computational geometry; and right triangle trigonometry. Emphasis will be on the application of skills to technical problems.	N/A	Science, Technology, Engineering, Mathematics
10804114	College Technical Math 1B *	2.00	10-804-114 COLLEGE TECHNICAL MATH 1B ...topics include: performing operations on polynomials; solving quadratic and rational equations; formula rearrangement; solving systems of equations; and oblique triangle trigonometry. Emphasis will be on the application of skills to technical problems.	Completion of: 10804113 College Tech Math 1A, with a C or better	Science, Technology, Engineering, Mathematics
10620100	Fluids 1: Basic Pneumatics	1.00	10-620-100 FLUIDS 1: BASIC PNEUMATICS ...what fluid power is, differentiate between hydraulics and pneumatics, implement basic pneumatic circuits, utilize schematics, apply Pascal's Law, define properties of fluids, implement airflow control and hydraulics cylinder circuits.	N/A	Science, Technology, Engineering, Mathematics
10664100	Automation 1: Control Logic	1.00	10-664-100 AUTOMATION 1: CONTROL LOGIC ...electric motor control components such as switches, relays, starters, transformers; and safely mount and install motor and motor control components and perform related wiring and troubleshooting of motor control circuits.	N/A	Science, Technology, Engineering, Mathematics
10664101	Automation 2: Motor Control *	1.00	10-664-101 AUTOMATION 2: MOTOR CONTROL ...electric motor control components such as sensors, timers and counters.	10664100 Automation 1: Control Logic	Science, Technology, Engineering, Mathematics

10620144	Basic Mechanics	1.00	10-620-144 BASIC MECHANICS ...Introduction to basic mechanical devices and tools used for assembly, disassembly and adjustment.	N/A	Science, Technology, Engineering, Mathematics
10660116	Introduction to AC/DC	2.00	10-660-116 INTRODUCTION TO AC/DC ...introduces the concepts of AC and DC power and basic circuits. Using a multimeter, students learn about voltage, current, and resistance in both AC and DC circuits.	N/A	Science, Technology, Engineering, Mathematics