



GREATER SOUTHEAST ITV CONSORTIUM

Registration Guide for 2020/2021

CAMPBELL-TINTAH * FAIRMOUNT * HANKINSON *
LIDGERWOOD * MILNOR * NDSCS * NORTH SARGENT *
OAKES * RICHLAND 44 * SARGENT CENTRAL *
SE REGION CAREER/TECH CENTER * WAHPETON * WYNDMERE*

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2020-2021 Course Offerings

GSEITV

- **ADVANCED EMERGENCY CARE TECHNICIAN (AEMT)/PATIENT CARE TECHNICIAN (PCT)**
- **AGRICULTURAL SCIENCE**
- **ANATOMY & PHYSIOLOGY**
- **CYBERSECURITY/MOBILE APPS**
- **EMERGENCY MEDICAL TECHNICIAN (EMT)**
- **ENTREPRENEURSHIP**
- **MARKETING/SPORTS & ENTERTAINMENT MARKETING**
- **MEDICAL & HEALTH SCIENCE CAREERS**
- **PSYCHOLOGY/SOCIOLOGY**
- **SPANISH**
- **ON-LINE COURSES**
 - Introduction to Agriculture
 - Introduction to Veterinary Science
 - Marketing I
 - Medical Terminology
 - Medical Terminology (BOTE 171-Dual Credit)
- **GREATER SOUTHEAST DUAL CREDIT COURSES**

College Credit Courses through NDSCS-ITV from High School (College Tuition Required)

 - Anatomy and Physiology I (BIOL 220)
 - Anatomy and Physiology I Lab (BIOL 220L)
 - Anatomy and Physiology II (BIOL 221)
 - Anatomy and Physiology II Lab (BIOL 221L)
- **GREATER SOUTHEAST DUAL CREDIT COURSES**

College Credit Courses through NDSCS-ITV from NDSCS Campus (College Tuition Required)

 - College Composition (ENG 110)
 - Composition II (ENG 120)
 - College Algebra (MATH 103)
 - Elementary Statistics (MATH 210)

Programs and courses are offered as a partnership
between the Public Schools of
Campbell-Tintah*Fairmount*Hankinson*Lidgerwood*Milnor*
Oakes*Richland #44*Sargent Central*Wahpeton*Wyndmere*
Southeast Region Career/Tech. Center*North Dakota State College of Science.

Advanced EMT/Patient Care Technician (PCT)



COURSE TITLE: ADVANCED EMT/PATIENT CARE TECHNICIAN (PCT)

Grades 10-12; 1 credit; 36 weeks

Prerequisite: Emergency Medical Technician (EMT)

COURSE DESCRIPTION: This course is divided over 2 semesters. The first emphasizes Advanced EMT content, followed by Patient Care course curriculum. The [Advanced Emergency Medical Technician](#) portion reinforces basic skills learned in the Emergency Medical class and introduces the student to advanced skills, focused on the acute management and transportation of critical and emergent patients. This includes training of advanced cardiac life support and advanced trauma skills. This may occur at an emergency scene until transportation resources arrive, from an emergency scene to a health care facility or between health care settings. The [Patient Care Technician](#) portion will allow the student to gain a broad view of directly assisting patients, physicians, nurses and other health care professions in a variety of healthcare environments. Students will gain knowledge and become multi-skilled in the following areas: 12-Lead Electrocardiogram monitoring, Venipuncture (phlebotomy procedures) laboratory diagnostics, point of care testing such as blood glucose, cholesterol and hemoglobin testing. Provide direct patient care, such as obtaining vital signs, catheter, ostomy and feeding tube care, sterile dressing changes, infection control, bathing and bed making techniques.

INSTRUCTIONAL OBJECTIVES AND/OR GOALS: Upon completion of this course, students will be able to perform tasks related to the use and placement of Advanced Airway, peripheral IV access, and saline locks including administration of Normal saline and Lactated Ringers' solution. Students will learn and demonstrate the "Six rights" of medication administration along with identifying various medications an AEMT is authorized to administer, such as sublingual nitroglycerin, glucagon, aspirin, meter dosed inhalers, Narcan and epinephrine. Students will understand and interpret electrocardiogram rhythms, including the use and implementation of various mechanical equipment, such as glucose and oxygen saturation monitors. Students will have the opportunity to obtain certification in ECG, Phlebotomy and Nurse Assistant from the National Health Careers Association. This is an excellent opportunity for the student to obtain a firm knowledge base within a broad spectrum of the health care profession.

Anatomy & Physiology



COURSE TITLE: **ANATOMY & PHYSIOLOGY**

Grade(s): 11 & 12 (Elective)

Grades 11-12; 1 credit; 36 weeks

Prerequisite: Biology

COURSE DESCRIPTION: This course is designed to be the equivalent of a two-semester college introductory Anatomy/Physiology course with a laboratory component. This is a study of structure and function of the human body as an integrated whole. This course examines anatomical terminology, body cells, tissues and major organ systems. **Course can be taken for NDSCS Early Entry credits (BIOL220/220L and BIOL 221/221L).**

Cybersecurity/Mobile Applications



COURSE TITLE: INTRODUCTION TO CYBERSECURITY

Grades 9-12; 1/2 credit; 18 weeks

COURSE DESCRIPTION: Introduction to Cybersecurity covers trends in cybersecurity and career opportunities. Course modules will define cybersecurity, explain why it's important, and introduce products and processes used to secure data. Students will also explore why cybersecurity is critical in business and medical industries, how hackers use unsuspecting individuals to propagate malware, and why cybersecurity is a growing profession.

COURSE TITLE: MOBILE APPLICATIONS DEVELOPMENT

Grades 9-12; 1/2 credit; 18 weeks

COURSE DESCRIPTION: This course will introduce students to mobile application development and management using a variety of commercial and open source software. Topics to be included in the course are: (1) Installation and modification of application; (2) Code modification; (3) Design and implementation; (4) Database systems management; (5) Security; and (6) Customer Service.

Emergency Medical Technician



COURSE TITLE: EMERGENCY MEDICAL TECHNICIAN (EMT)

Grades 10-12; 1 credit; 36 weeks

COURSE DESCRIPTION: The Emergency Medical Technician course follows the current National Standard Curriculum, which is core curriculum of minimum required information to be presented within a 112 hour training course. It is recognized that there are additional specific educational requirements the EMT will need to operate in the field; i.e., Emergency Driver Training, Forcible Entry, Heavy Rescue, Special Needs, and so on. The EMT serves as a vital link in the health care chain of survival. This course will include all skills and classroom information necessary to provide emergency care at the basic life support level. The EMT may be utilized in a Basic Life Support ambulance service, or other specialized rescue agency. The EMT course is a fast-paced interactive learning environment, where students will gain insight in implementing life-long skills necessary to sustain, stabilize and care for ill and injured individuals.

INSTRUCTIONAL OBJECTIVES AND/OR GOALS: Upon completion of this course, students will be able to perform tasks related to:

- Preparation of the EMT/EMS operations and standards of practice
- Gain knowledge of the 4 levels of EMS certified personnel and identify scope of practice.
- Airway stabilization/management
- Patient Assessment (medical and trauma)/Documentation
- Medical/Behavioral Emergencies and OB-GYN
- Trauma;
- Care and Assessment of Infants and Children
- Ambulance Operations
- Interventions (medications and Automatic External Defibrillator). Upon successful completion of the EMT course of instruction, the student will be eligible to take the State certification exam and potentially apply for State or National Licensure.

ENTREPRENEURSHIP



COURSE TITLE: ENTREPRENEURSHIP

Grades 9-12; 1 credit; 36 weeks

COURSE DESCRIPTION: Entrepreneurship is a course designed to provide an introduction to the process of turning an idea into a successful start-up business. A primary focus is for the student to explore the potential of being a successful entrepreneur. The course introduces the student to the processes for creating a successful business plan. The student will use entrepreneurial discovery processes, assess opportunities for venture creation, and develop communication skills to convince others of the potential success to implement the business entity. This course also includes units on personal finance and webpage design. The student will explore topics that include creating and designing appealing and technically-sound websites for businesses as well as successful long-term saving and investing strategies. Projects in this course will include creating, developing, and presenting a hypothetical business plan, designing a website, and composing a theoretical investment portfolio. Students in this course will have the opportunity to showcase and improve on their skills at DECA contests and conferences throughout the year.

Marketing



COURSE TITLE: MARKETING I

Grades 9-12; 1 credit; 36 weeks

COURSE DESCRIPTION: Marketing I is an introductory course in the marketing curriculum with an emphasis in general business, retailing, marketing, merchandising, and management. Instructional areas also covered include salesmanship, business math, human relations, communications, and workplace skills. This course is a prerequisite for all other courses in the marketing program. The second semester of study in marketing includes retailing, visual merchandising, merchandise management, inventory control, buying and pricing, advertising development and media selection, and sales promotion.

Sports & Entertainment Marketing

COURSE TITLE: SPORTS & ENTERTAINMENT MARKETING

Grades 9-12; 1 credit; 36 weeks

COURSE DESCRIPTION: Sports & Entertainment Marketing is a business course designed to use today's broad based athletic, sports and entertainment dynamic as a foundation for students to learn communications skills in concert with advertising, sales, marketing, and media development. Students will learn how to develop marketing strategies with a focus on advertising media targeted at the world of college and professional athletics and major entertainment venues. The final project for the class will consist of student developed multi-media presentations for the marketing of a professional athletic team or major entertainment attraction. Internet marketing activities will include learning how to utilize Google research and marketing tools and how to market and sell items with on-line auction tools including actual set-up and live sales on E-Bay.

Medical & Health Science Careers



COURSE TITLE: MEDICAL & HEALTH SCIENCE I

Grades 10-12; 1 credit; 36 weeks

COURSE DESCRIPTION: This course is designed to provide an overview of the therapeutic, diagnostic, environmental, and information systems of the health care industry. Curriculum involves Current Trends in Medicine, Careers in the Medical Field, Personal Characteristics necessary to work in the Medical Field, Legal and Ethical Issues in Medicine, Growth and Development of the Human Body and Mind, Technology in Medicine, Sudden Injury and Illness Management, and Patient Assessment Skills. A significant portion of this program includes a variety of lab and group projects where students are actively engaged. Computer assisted instruction, Buzz, internet and social networking programs are all incorporated as part of the instruction. The Medical and Health Sciences I course will provide students assistance in determining their own career and educational plans in Medical and Health Science professions.

COURSE TITLE: MEDICAL & HEALTH SCIENCE II

Grades 10-12; 1 credit; 36 weeks

Pre-requisite: Previous or Concurrent Medical and Health Science I

COURSE DESCRIPTION: This course is designed to provide information and overview of the therapeutic, diagnostic, environmental, and information systems of the health care industry. Curriculum involves Anatomy and Physiology including Pathophysiology and treatment of diseases/illness, CPR instruction and certification, Geriatrics and the Aging Process, Cultural Diversity in Medicine, Diet and Nutrition, and Preparing for the Work World. A significant portion of this program includes a variety of lab and group projects where students are actively engaged. Computer assisted instruction, Buzz, internet and social networking programs are all incorporated as a part of the instruction. The Medical and Health Sciences II course will provide students assistance in determining their own career and educational plans.

SRCTC has recently purchased a 3-D human and animal life size anatomical dissection table known as the Anatomage Table. This is the first of its kind in North Dakota and will be used in Health and Medical Science Classes, EMT Training, and a variety of science courses. It is truly an impressive piece of visual aide equipment to be used on the cutting edge of Health and Vet Science instruction.



New and exciting Anatomage video!



Psychology/Sociology



COURSE TITLE: PSYCHOLOGY

Grades 10-12; ½ credit; 18 weeks

COURSE DESCRIPTION: The course is an introduction to the process of personality growth and development. Students will also begin to understand how experimental methods are applied to the study of the basic concepts of psychology. Topics covered include: biology and behavior (brain, heredity), consciousness as a construct (sleep and other altered states of consciousness), learning (classical, operant, and cognitive), theories of personality psychoanalytic, learning, humanistic, and socio-cultural), stress and health, psychological disorders anxiety, dissociative, mood, schizophrenia), and social psychology if time permits. Students will complete several personal style inventories to help them learn about themselves.

COURSE TITLE: SOCIOLOGY

Grades 10-12; ½ credit; 18 weeks

COURSE DESCRIPTION: The course is an introduction to the principles governing human behavior within social structures. Students will also begin to understand how experimental methods are applied to the study of the basic concepts of sociology. Topics covered include: culture (norms, diversity, values) the agents and processes of socialization, theories of deviance, punishment, and crime, social stratification (social classes, poverty, social mobility), race and ethnicity (minorities, groups, theories of prejudice/discrimination), gender inequalities, and population/demography, as time permits.

Spanish



COURSE TITLE: SPANISH I

Grades 9-12; 1 credit; 36 weeks

COURSE DESCRIPTION: Spanish I is an introductory course covering basic grammar and conversational skills. Students will study various vocabulary including family, colors, numbers, weather, body parts, food, sports, city and pastime activities. Students will be able to read simple text and participate in basic conversation. The students will be able to convey their knowledge of this material through reading, writing and speaking.

COURSE TITLE: SPANISH II

Grades 10-12; 1 credit; 36 weeks

Prerequisite: Spanish I

COURSE DESCRIPTION: Spanish II is a continuation of Spanish I where the students will enhance their grammar and vocabulary skills as well as adding additional information. Students will study vocabulary and grammar related to air, car and train travel, advanced food, restaurant and cooking, daily routine activities, Hispanic celebrations, farm and city life and hotel stays. Students will explore the Latin American culture and customs through videos, reading materials and hands on activities. Students will be able to participate in advanced conversations and be able to read and understand authentic materials.

SPORTS MEDICINE/SPORTS TRAINING



COURSE TITLE: PREVENTION AND CARE OF SPORTS RELATED INJURIES

Grades 10-12; 1 credit; 18 weeks

COURSE DESCRIPTION: This course provides the student with a background in athletic training and basic health care. The course emphasizes injury prevention, first responder management daily for athletic injuries and skills to fulfill the activities of daily living. Students will be able in one semester to complete the requirements to become a student athletic trainer.

On-Line Courses

COURSE TITLE: INTRODUCTION TO AGRICULTURE

Grades 9-12; 1 credit; 36 weeks

Agriculture Education is a comprehensive career/technical program designed to give students competencies in the areas of plant science, animal science including pets, soil science, personal finance, public relations, introductory mechanics, woodworking, natural resource conservation, human relations and leadership development.

COURSE DESCRIPTION: Lecture demonstration, lab type courses that actively involve students in the learning process of a variety of areas of agriculture. The course is designed to give students a basic introduction to the entire agricultural/agribusiness area. Knowledge and skills developed in this course are useful for all students later in life; whatever future plans and career they choose. The development of foundation leadership skills is an important part of this course.

COURSE TITLE: INTRODUCTION TO VETERINARY SCIENCE

Grades 10-12; 1/2 Credit; 18 weeks

COURSE DESCRIPTION: The basic concepts of veterinary medicine are presented. The course focuses on the different body systems of the major species of pets and domesticated agricultural animals. Each lesson examines concepts in veterinary medicine to provide the student with a broad understanding of today's field of veterinary science. The final lesson is a career research project which gives students the opportunity to investigate a specific career in veterinary medicine.

Prerequisite: Biology

COURSE TITLE: MARKETING I

Grades 9-12; 1 credit; 36 weeks

COURSE DESCRIPTION: Marketing I is an introductory course in the marketing curriculum with an emphasis in general business, retailing, marketing, merchandising, and management. Instructional areas also covered include salesmanship, business math, human relations, communications, and workplace skills. This course is a prerequisite for all other courses in the marketing program. The second semester of study in marketing includes retailing, visual merchandising, merchandise management, inventory control, buying and pricing, advertising development and media selection, and sales promotion.

COURSE TITLE: MARKETING II

Grades 10-12; 1 Credit; 36 weeks

COURSE DESCRIPTION: Students who take this course will learn about the field of marketing by exploring a variety of marketing functions such as advertising, management, sales, service, pricing,

Internet marketing, and careers in marketing. It is designed to help prepare the student for the business world of today and tomorrow.

COURSE TITLE: MEDICAL TERMINOLOGY

Grades 10-12; 1 Credit; 36 weeks

COURSE DESCRIPTION: In this course, students will develop skills necessary for decoding of commonly used medical terms. Students will learn the meaning of medical suffixes, prefixes, and word roots. Students will learn terminology associated with the body systems, diseases and disorders of those systems. Students will be expected to use correct spelling and pronunciation of medical terms they have learned. Students will also learn common medical abbreviations. This course is a self-paced course.

Greater Southeast Dual Credit College Credit Courses through NDSCS

ITV from High School
(Online from SRCTC)

COURSE TITLE: MEDICAL TERMINOLOGY (BOTE 171-Dual Credit) (Fall or Spring Semesters) through Southeast Region Career & Technology Center Wahpeton

Grades 10-12; (1/2) High school credit/(4) college credits; 18 weeks

COURSE DESCRIPTION: Study of prefixes, suffixes and root words of medical terms and their meaning, spelling and pronunciation. Emphasis on building a working medical vocabulary based on body systems. Study of the location, functions and terminology of the organs of the various systems of the body. This course is taken online through SRCTC Wahpeton and NDSCS.

Prerequisites/Corequisite: None

COURSE TITLE: PREVENTION AND CARE OF SPORTS RELATED INJURIES (HPER 207) (Semester TBD) through Southeast Region career & Technology Center Wahpeton

Grades 10-12; (1/2) High school/ (3) college credit(s); 18 weeks.

COURSE DESCRIPTION: This course will provide students with the principles of athletic training. Students will learn prevention, recognition, treatment of athletic injuries, organization and administration of athletic training and basic taping techniques.

PREREQUISITES: None

Student Cost: *approximately \$240.36 (\$80.12/college credit)

***Tuition and fee amounts will vary slightly when 2020-2021 rates are finalized.**

Greater Southeast Dual Credit

College Credit Courses through NDSCS

ITV from High School (College Tuition Required)

COURSE TITLE: **BIOL 220 Anatomy and Physiology I (Fall Semester) ITV from Wahpeton High School**

Grades 11-12; 3 semester hours

COURSE DESCRIPTION: The first semester in the study of structure and function of the human body as an integrated whole.

Corequisite: BIOL 220L.

Student Cost: *approximately \$240.36 (\$80.12/college credit)

COURSE TITLE: **BIOL 220L Anatomy and Physiology I Lab (Fall Semester) ITV from Wahpeton High School**

Grades 11-12; 1 semester hours

COURSE DESCRIPTION: A self-directed laboratory study of structure and functions of the human body that examines the general plan of body cells, tissues and the skeletal, muscular and nervous systems. This course emphasizes actual “hands-on” learning utilizing a variety of learning tools. This is the first semester of a two-semester course.

Corequisite: BIOL 220.

Student Cost: *approximately \$80.12 (\$80.12/college credit)

COURSE TITLE: **BIOL 221 Anatomy and Physiology II (Spring Semester) ITV from Wahpeton High School**

Grades 11-12; 3 semester hours

COURSE DESCRIPTION: The second semester in the study of structure and function of the human body as an integrated whole.

Prerequisite: BIOL 220.

Corequisite: BIOL 221L.

Student Cost: *approximately \$240.36 (\$80.12/college credit)

COURSE TITLE: **BIOL 221L Anatomy and Physiology II Lab (Spring Semester) ITV from Wahpeton High School**

Grades 11-12; 1 semester hours

COURSE DESCRIPTION: A self-directed laboratory study of structure and functions of the human body that includes the anatomy and physiology of the endocrine, circulatory, respiratory, digestive, urinary and reproductive systems. This course emphasizes actual “hands-on” learning utilizing a variety of learning tools. This is the second semester of a two-semester course.

Corequisite: BIOL 221.

Student Cost: *approximately \$80.12 (\$80.12/college credit)

Greater Southeast Dual Credit

College Credit Courses through NDSCS

ITV from NDSCS Campus (College Tuition Required)

COURSE TITLE: ENGLISH 110 – College Composition I (Fall Semester)

Grades 10-12; 3 semester hours

COURSE DESCRIPTION: An introduction to college-level writing as a process of drafting, revising, and editing. This course emphasizes critical reading, writing, thinking and research skills as students write for a variety of audiences and purposes. Students will receive guided instruction in the writing process as they begin writing based on personal experiences. An introduction to proper crediting of course material and research will occur toward the end of the course.

Student Cost: *approximately \$412.44 - \$150 = \$262.44 (\$137.48/college credit)

COURSE TITLE: ENGLISH 120–Composition II (Spring Semester)

Grades 10-12; 3 semester hours

COURSE DESCRIPTION: Continued practice of college-level writing process and strategies, building on skills learned in English 110. This course refines critical reading, writing, thinking and research skills. Students will practice summary and analysis of texts, as well as synthesizing information from primary and secondary sources. Writing assignments will emphasize logical argument, persuasion and collaboration. Major assignments will require proper crediting of course material and research.

Prerequisite: English 110

Student Cost: * approximately \$412.44 - \$150 = \$262.44 (\$137.48/college credit)

COURSE TITLE: MATH 103 - College Algebra (Fall Semester)

Grades 10-12; 3 semester hours

COURSE DESCRIPTION: Relations and functions, equations and inequalities, complex numbers, numerical, polynomial, rational, exponential and logarithmic functions and systems of equations. Emphasis on using real-data and analyzing the data using symbolic, numerical and graphical methods.

Prerequisite: ASC 093 or placement test.

Student cost: * Approximately \$412.44 - \$150 = \$262.44 (\$137.48/college credit)

COURSE TITLE: MATH 210 – Elementary Statistics (Spring Semester)

Grades 10-12; 3 semester hours

COURSE DESCRIPTION: An introduction to statistical methods of gathering, presenting and analyzing data; estimating means, proportions, confidence intervals, and testing hypotheses; probability and probability distributions; and linear regression and correlation.

Prerequisite: ASC 093 or placement test.

Student Cost: *approximately \$412.44 - \$150 = \$262.44 (\$137.48/college credit)

SPECIAL NOTE:

College Credit Early Entry classes are fee based with students being responsible for the tuition costs and \$35 application fee to the North Dakota State College of Science.

All students are subject to entrance requirement as follows:

MINIMUM SCORES REQUIRED TO TAKE COLLEGE LEVEL CLASSES
ENGLISH 110 ACT English AND Reading Exams ≥ 18 ; OR Next-Gen ACCUPLACER Writing ≥ 256 AND Next-Gen ACCUPLACER Reading ≥ 256
MATH 103, 210 ACT Mathematics Exam ≥ 21 ; OR Next-Gen ACCUPLACER QAS ≥ 255 ; OR Next-Gen ACCUPLACER AAF ≥ 237

Students from Greater Southeast ITV Consortium member schools are eligible for a \$150 credit per class in the form of tuition assistance to lower the final cost to the student.

Ex.: Math 103 (3 college credits)	Tuition (\$131.94/credit)	\$395.82
	Connect ND (5.50/credit)	16.50
	Student Fee (.04/credit)	<u>.12</u>
		\$412.44
	Less GSE Honorarium -	<u>\$150.00</u>
	Net to student	\$262.44

Fall 2020 Drop Deadline is _____.

(Meeting drop deadline in writing allows for full tuition reimbursement, dropping a dual credit class after that date obligates the student/parent for the full cost of the class)

*Tuition and fee amounts will vary slightly when 2020-2021 rates are finalized.