

# CTE Course Descriptions

[Rising 9th Grade Eastside Course Catalog](#)

[Rising 10th-12th Grade Eastside Course Catalog](#)

Title: Accounting1

Course Number: 500101CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to help the student develop the skills necessary for the highly technical interaction between accounting and business, to develop an understanding of the steps of the accounting cycle as applied to several different kinds of business operations, and to develop an understanding of accounting concepts, principles, and practices. Use of the computer in simulated activities gives the student an opportunity to see the advantages of technology in accounting procedures. PREREQUISITE: Completion of Algebra 1 or equivalent and/or teacher recommendation

Title: Accounting 1 Honors

Course Number: 500101HW

Unit Credit: 1

Grade Level: 9 - 12

Honors Accounting I will prepare students for the rigor of college accounting. Students will develop an understanding of double-entry accounting. Topics covered include the following: accounting cycle, accounting systems, internal controls, multicolumn journals, receivables and payables, accruals and deferrals, inventory, fixed assets and depreciation, and financial statement preparation and analysis. Computerized accounting systems will be implemented for an up-to-date accounting experience. The pace is accelerated and expectations are higher. This course is highly recommended for motivated students planning to enter a college business program.

Title: Accounting2

Course Number: 500501CW

Unit Credit: 1

Grade Level: 9 - 12

This course expands the student's understanding of accounting subsystems and develops an understanding of various methods of internal control procedures. The student develops competence in using subsidiary ledgers, in preparing financial statements, and in performing end-of period procedures. The student will demonstrate the use of accounting principles through the use of computer software and simulated activities. PREREQUISITE: Accounting 1

Title: Fundamentals of Computing

Course Number: 502305CW

Unit Credit: 1

Grade Level: 8 - 12

This course of study is designed to allow students to explore a variety of computer science topics, such as web design, human computer interactions, programming, and problem solving. Optional topics include mobile applications, robotics, and digital animation. Students will develop critical thinking, logic, and problem solving skills relevant to today's technology.

Title: Fundamentals of Web Page Design/Dev

Course Number: 503101CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to provide the student with the knowledge and skills needed to design Web pages. Students will develop skills in designing, implementing, and maintaining a Website using authoring tools. Successful completion of this course will prepare the student to take industry certification test(s). This course will meet the computer science requirement.

Title: Fundamentals of Web Page Design/Dev Honors

Course Number: 503101HW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to facilitate student learning in website development through a project-based, problem-solving approach. Students will gain proficiency in HTML, CSS, and basic scripting languages, such as JavaScript, with the goal of creating websites that are organized, accessible, responsive, and user-friendly. Students will also learn about the technological processes, requirements, and legal considerations related to publishing websites. Successful completion of this course will prepare students for industry certification. This course will meet the computer science requirement.

Title: Business Data Applications

Course Number: 502102CW

Unit Credit: 1

Grade Level: 10 - 12

This course of study is designed to teach the student advanced computer concepts related to processing data into useful information needed in business situations by using advanced database, spreadsheet, word processing, and presentation software capabilities.

Title: Business Finance

Course Number: 527300CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to provide students with a foundation in corporate business finance concepts and applications including fundamentals, financial environment, management planning, maintenance and analysis of financial records, long and short term financial activities, financial business activities, financial institutions and banking services, consumer credit, business insurance, technology and financial management, and international finance. This course will meet the finance requirement.

PREREQUISITE: Accounting 1 recommended

Title: Advanced Personal Finance

Course Number: 513101CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to introduce the student to basic financial literacy skills which includes budgeting, obtaining credit, maintaining checking accounts, analyzing the basic elements of finance, computing payroll, recording business transactions, and applying computer operations to financial management. This course will meet the finance requirement.

Title: Advanced Personal Finance Honors

Course Number: 513101HW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to introduce the student to the fundamentals of personal finance, which include budgeting, credit and lending processes, maintaining accounts, evaluating investments, managing financial risk, computing taxes, and analyzing the basic elements of finance. Students will learn the tools and knowledge to make sound financial decisions for life as well as extend their knowledge by researching and analyzing factors that impact personal income and long-term earning potential. This course will meet the finance requirement.

Title: Entrepreneurship

Course Number: 540001CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to provide students with the knowledge and skills leading to the development of a business plan for small business ownership. An important part of the course will be the incorporation of marketing, staffing, and financial considerations.

Title: Marketing

Course Number: 542101CW

Unit Credit: 1

Grade Level: 9 - 12

This course introduces marketing concepts and examines the economic, marketing, and business fundamentals, in addition to the marketing functions of selling, promotion, and distribution. The standards listed are core standards and those standards reflect the needs of the local business community. This is the basic course in the marketing curriculum and should be taken before the specialized courses.

Title: Advertising

Course Number: 547001CW

Unit Credit: 1

Grade Level: 9 - 12

This course is designed to introduce the concepts of advertising, planning strategies, communication skills, and professional development. Course content includes budget development, media selection, design, and the preparation of ads for various media. PREREQUISITE:Marketing

Title: AP Computer Science Principles

Course Number: 477500AW

Unit Credit: 1

Grade Level: 9 - 12

This course introduces students to the central ideas of computer science, instilling the ideas and practices of computational thinking and inviting students to understand how computing changes the world. The course promotes deep learning of computational content, develops computational thinking skills, and engages students in the creative aspects of the field. The course is equivalent to a first-semester introductory college computing course.

Title: Sports Medicine 1

Course Number: 555501CW

Unit Credit: 1

Grade Level: 9 - 12

Sports Medicine 1 emphasizes the prevention of athletic injuries, including the components of exercise science, anatomy, principles of safety, first aid, cardiopulmonary resuscitation (CPR), and vital signs. Subject matter will also include discussion of legal issues, members of the sports medicine team, nutrition, protective sports equipment, environmental safety issues, taping and wrapping, mechanisms of injury, and application of other sports medicine concepts. Students interested in healthcare careers in athletic training, physical therapy, medicine, exercise physiology, nursing, biomechanics, nutrition, psychology, and radiology will benefit from this course. PREREQUISITE: Alg 1 or Alg I CP Part B and biology

Title: Sports Medicine 2

Course Number: 555601CW

Unit Credit: 1

Grade Level: 9 - 12

Sports Medicine 2 emphasizes the assessment and rehabilitation of athletic injuries. Subject matter will include discussion of specific conditions and injuries that may be experienced by individuals participating in athletic activities. In addition, the use of appropriate therapeutic modalities and exercise in the care and rehabilitation of injuries will be examined. Advanced concepts related to the administrative aspects of the sports medicine program will also be covered in this course. PREREQUISITE: Sports Medicine 1

Title: Sports Medicine 2 Honors

Course Number: 555608HW

Unit Credit: 1

Grade Level: 9 - 12

Sports Medicine 2 Honors emphasizes the recognition and care of common injuries and illnesses sustained by a physically active population. Subject matter will include discussion of specific conditions and injuries that may be experienced by individuals participating in athletic activities. In addition, the concepts of therapeutic modalities and exercise in the care of injuries will be examined. A focus on deeper understanding of body systems and common pathologies will be included. Concepts related to the administrative aspects of the sports medicine program will also be covered. Students will apply legal and ethical principles through real-world scenarios in various sports medicine settings. Other career roles in sports medicine will be discussed as the Athletic Trainer takes the injured athlete through the pathway of recovery

Title: Sports Medicine 3

Course Number: 555701CW

Unit Credit: 1

Grade Level: 9 - 12

Sports Medicine 3 emphasizes the student's ability to apply concepts from previous Sports Medicine course work to real-world situations and scenarios. A priority will be placed on understanding the current research and evidence based practices affecting the practice of Sports Medicine professionals. Students will develop policies, procedures, and guidelines based on these aspects, as well as explore detailed treatment and rehabilitation procedures for common athletic injuries.

Title: MedicalTerm

Course Number: 554001CW

Unit Credit: 1

Grade Level: 9 - 12

Medical terminology is designed to develop in the students a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots, and abbreviations. Utilizing a body systems approach, the student will define, interpret, and pronounce medical terms relating to structure and function, pathology, diagnosis, clinical procedures, and pharmacology. Common abbreviations applicable to each system will be interpreted. Knowledge of medical terminology enhances a student's ability to successfully secure employment or pursue advanced education in health science. PREREQUISITE: Teacher Rec

Title: Medical Terminology (H)

Course Number: 554097HW

Unit Credit: 1

Grade Level: 10 - 12

Medical terminology is designed to develop in the students a working knowledge of the language of medicine. Students acquire word-building skills by learning prefixes, suffixes, roots, and abbreviations. By relating terms to body systems, students identify proper uses of words in a medical environment. Knowledge of medical terminology enhances students' ability to successfully secure employment or pursue advanced education in health care. This course is offered only at a GCS career center. This course may count as honors credit if taken in sequence with other health science courses. See your counselor for more information. PREREQUISITE: None

Title: Pharmacology for Medical Centers

Course Number: 557001CW

Unit Credit: 1

Grade Level: 9 - 12

Pharmacy Technology is designed to train pharmacy technicians to pass the Pharmacy Technician Certifying Board examination. A practicing pharmacist has developed the curriculum. The program includes 90 classroom hours plus 60 homework hours for a total of 150 hours. PREREQUISITE: Health Sci Tech 1 or Teacher Rec

Title: Sports Nutrition

Course Number: 575901CW

Unit Credit: 1

Grade Level: 9 - 12

This course enables students to examine the relationship between physical activity, proper nutrition, sports performance, and overall wellness. Students will learn not only how to prepare nutritious foods, but also what and why foods are needed for healthy lifestyles and peak performance. This course will also strengthen health promotion and disease prevention through increased knowledge of nutrition and physical activity. PREREQUISITE: None