

Loudon County High School Scholars Prep Guide 2019-2020

Upcoming Course: Accounting 1

School: Loudon High School

Curriculum for the upcoming course and information of which students should be aware:

Accounting 1 is an essential course for students who wish to pursue careers in business and finance, or for those who wish to develop important skillsets related to financial literacy. Whether students aspire to be future business owners or work in finance with other companies, accounting skills are fundamental to success and applicable in many different fields. Accounting students develop skills to analyze business transactions, journalize, post, and prepare worksheets and financial statements, and apply financial analysis to business processes.

Areas that might be challenging for students:

Students might be challenged by the new vocabulary that comes with learning accounting. However, students will study and be exposed to the new vocabulary as topics are introduced. Students will be led through the introductory concepts of accounting by way of teacher modeling and independent student work.

Suggestions on how students can prepare for the upcoming course:

Students will use the basic math skills they have learned to calculate and track money. Students should research how integral a knowledge of accounting is to all careers in business and finance.

Suggested Activities or Resources (if applicable):

Students can visit the Occupational Outlook Handbook to see the outlook for careers in business, accounting, and finance. Students can also visit onetonline.com to see the skills required for all business and finance careers.

Loudon County High School Scholars Prep Guide 2019-2020

Upcoming Course: Business Management (Virtual Enterprise 2)

School: Loudon High School

Curriculum for the upcoming course and information of which students should be aware: and areas that might be a challenge for students:

Business Management focuses on the development of the planning, organizing, leading, and controlling functions required for the production and delivery of goods and services. This applied knowledge course addresses the management role of utilizing the businesses' resources of employees, equipment, and capital to achieve an organization's goals. Student will participate in a continuing project throughout the course in which, individually or in teams, they will make recommendations to improve an existing business.

Areas that might be challenging for students:

Students will be challenged by running an existing virtual business. However, the class is made up of smaller, specific tasks to make the transition from student to student-employee easier. Students will learn about business operations during the class.

Suggestions on how students can prepare for the upcoming course:

Students can take Virtual Enterprise 1 to prepare for this course, although it is not a pre-requisite.

Suggested Activities or Resources (if applicable):

Students can review sba.gov, the Small Business Administration website, to see information about starting and running a business.

Loudon County High School Scholars Prep Guide 2019-2020

Upcoming Course: Computer Applications

School: Loudon High School

Curriculum for the upcoming course and information of which students should be aware:

Computer Applications is a foundational course intended to teach students the computing fundamentals and concepts involved in the use of common software applications. Upon completion of this course, students will gain basic proficiency in word processing, spreadsheets, databases, and presentations. Students will learn to use the Microsoft Office suite of programs.

Areas that might be challenging for students:

Students may be challenged by using software with which they are unfamiliar. However, as an introductory course, students will be guided through these software programs and be allowed to work on assignments at their own pace.

Suggestions on how students can prepare for the upcoming course:

There are no pre-requisites for this course. Students will use their existing knowledge from English and math classes to complete assignments.

Suggested Activities or Resources (if applicable):

Loudon County High School Scholars Prep Guide 2019-2020

Upcoming Course: Virtual Enterprise

School: Loudon High School

Curriculum for the upcoming course and information of which students should be aware: and areas that might be a challenge for students:

Virtual Enterprise International is a simulated business environment. The VE students will be involved in actual on-the-job work experiences, including accounting, personnel administration, management, and marketing. The only difference between the VE and an actual business is that no material goods are produced or legal tender exchanged. Virtual Enterprise International 1 credit substitutes for Economics credit.

Areas that might be challenging for students:

Students will be challenged by starting a virtual business. However, the class is made up of smaller, specific tasks to make the transition from student to student-employee easier. Students will learn about how to start a business during the class.

Suggestions on how students can prepare for the upcoming course:

Students can take Computer Applications and/or Accounting to prepare for the course, although it is not a pre-requisite.

Suggested Activities or Resources (if applicable):

Students can review sba.gov, the Small Business Administration website, to see information about starting and running a business.

Loudon County High School Scholars Prep Guide 2019-2020

Upcoming Course __Honor's Anatomy & Physiology_____

School __Loudon High School_____

Curriculum for the upcoming course and information of which students should be aware: and areas that might be a challenge for students:

This is a challenging class that examines normal and abnormal structure and function of each organ system, including integumentary, skeletal, muscular, cardiovascular, lymphatic, nervous, endocrine, respiratory (with acid-base balance), digestive, urinary, and reproductive.

Areas that might be challenging for students:

The most challenging units include the nervous, endocrine and the lymphatic systems.

Suggestions on how students can prepare for the upcoming course:

It is recommended that students take Biology and Chemistry, and Health Science Education before taking this class.

Suggested Activities or Resources (if applicable):

None required, but students may choose to do some online research on basic A&P, take quizlets, make flashcards, and so on.

Loudon County High School Scholars Prep Guide 2019-2020

Upcoming Course __Diagnostic Medicine_____

School __Loudon High School_____

Curriculum for the upcoming course and information of which students should be aware: and areas that might be a challenge for students:

This is class should follow Health Science Ed and may be taken before or after Anatomy & Physiology. It will include learning about diagnostic careers, safety, infection control, and units & labs over diagnostic testing in radiology, clinical laboratory, vision, cardiac, and respiratory.

Areas that might be challenging for students:

The most challenging units include laboratory tests and EKGs

Suggestions on how students can prepare for the upcoming course:

No preparation is required, but if desired, students could do some online research about basic lab tests, such a CBC, metabolic panel, and lipid panel, as well as EKG basics.

Suggested Activities or Resources (if applicable):

See above.

Loudon County High School Scholars Prep Guide 2019-2020

Upcoming Course __Dual Enrollment Emergency Medical Responder_____

School __Loudon High School_____

Curriculum for the upcoming course and information of which students should be aware: and areas that might be a challenge for students:

This is a capstone class, which should follow Health Science Ed and Anatomy & Physiology. It will include learning about EMS systems, safety & wellness, communication, legal/ethical guideline, patient assessment and treatment (including many skills demonstrations in labs).

Areas that might be challenging for students:

The most challenging units include anatomy and physiology and the performance of skills.

Suggestions on how students can prepare for the upcoming course:

This is a fast-paced class that will requires students to spend more study time to prepare for tests and skills performances. Good attendance and keeping up with assignments are strongly recommended.

Suggested Activities or Resources (if applicable):

Review A&P

Loudon County High School Scholars Prep Guide 2019-2020

Upcoming Course __Health Science Education_____

School __Loudon High School_____

Curriculum for the upcoming course and information of which students should be aware: and areas that might be a challenge for students:

This is a basic class with no prerequisites. It will include learning about various health careers and comparing health costs, introduction to anatomy & physiology, growth and development, maintaining wellness, first aid, measuring vital signs (including temperature, pulse, respirations and B/P), using crutches, and so on.

Areas that might be challenging for students:

The most challenging units include anatomy and physiology, measuring and interpreting vital signs, and comparing health care systems.

Suggestions on how students can prepare for the upcoming course:

The challenging units don't require any preparation but may demand more study time than other units.

Suggested Activities or Resources (if applicable):

None needed

Loudon County High School Scholars Prep Guide 2019-2020

Upcoming Course Medical Therapeutics

School Loudon High School

Curriculum for the upcoming course and information of which students should be aware: and areas that might be a challenge for students:

Medical Therapeutics is an applied course designed to prepare students to pursue careers in therapeutic and nursing services. Upon completion of this course, a proficient student will be able to identify careers in therapeutics services; assess, monitor, evaluate, and report patient/client health status; and identify the purpose and components of treatments.

Areas that might be challenging for students:

The most challenging units include Medical Terminology and Pharmacology. If a student has not taken Anatomy and Physiology, the A&P portion of the course may be more difficult.

Suggestions on how students can prepare for the upcoming course:

The challenging units don't require any preparation but may demand more study time than other units.

Suggested Activities or Resources (if applicable):

Prerequisite: Health Science

Anatomy and Physiology would be helpful.

Loudon County High School Scholars Prep Guide 2019-2020

Upcoming Course Rehabilitation Careers

School Loudon High School

Curriculum for the upcoming course and information of which students should be aware: and areas that might be a challenge for students:

Rehabilitation Careers is an applied course designed to prepare students to pursue careers in rehabilitation services. Upon completion of this course, a proficient student will be able to identify careers in rehabilitation services, recognize diseases, disorders or injuries related to rehabilitation services and correlate the related anatomy and physiology then develop a plan of treatment with appropriate modalities.

Areas that might be challenging for students:

The most challenging units include anatomy and physiology, kinesiology

Suggestions on how students can prepare for the upcoming course:

The challenging units don't require any preparation but may demand more study time than other units.

Suggested Activities or Resources (if applicable):

Prerequisite: Health Science

Anatomy and Physiology would be helpful.

Loudon County High School Scholars Prep Guide 2019-2020

Upcoming Course ___ Culinary Arts I _____

School ___ Loudon High School _____

Curriculum for the upcoming course and information of which students should be aware: and areas that might be a challenge for students:

Culinary Arts is to prepare students to work in the food industry.

Following safety and sanitation rules is required; as our kitchen is licensed & inspected by the Tennessee Health Dept.

Areas that might be challenging for students:

The biggest challenge for Culinary Arts I students is there are multiple activities happening in class. They still have to take responsibility to complete their work and turn it in. For many students this is the first class that not every student is doing the same thing at the same time.

Suggestions on how students can prepare for the upcoming course:

Students can start paying attention to how often they touch their face and other body parts. These are habits that will require Culinary Arts students to have to wash their hands frequently.

Suggested Activities or Resources (if applicable):

Loudon County High School Scholars Prep Guide 2019-2020

Upcoming Course ___ Culinary Arts II _____

School ___ Loudon High School _____

Curriculum for the upcoming course and information of which students should be aware: and areas that might be a challenge for students:

Culinary Arts II students will need to be able to work as individuals, instead of always as a group. Skills learned in first year will be put in practice preparing food for others.

Areas that might be challenging for students:

The biggest challenge for Culinary Arts II students is that they will need to apply the math and language arts skills they have learned. Students will rewrite recipes into standardized form and adjust yields, figure food costs and do production records.

Suggestions on how students can prepare for the upcoming course:

Culinary Arts II students can review equivalents and practice measuring skills to prepare for this class.

Suggested Activities or Resources (if applicable):

Prepare some recipes for your family to practice your measuring skills.

Loudon County High School Scholars Prep Guide 2019-2020

Upcoming Course ____ Culinary Arts III _____

School ____ Loudon High School _____

Curriculum for the upcoming course and information of which students should be aware: and areas that might be a challenge for students:

Culinary Arts III will explore styles of service and the science of food & baking.

Areas that might be challenging for students:

The biggest challenge for Culinary Arts III students is they will need to practice time management skills in order to complete many of the topics that the state requires.

Suggestions on how students can prepare for the upcoming course:

Culinary Arts III students can practice preparing a complete meal and planning how to get everything done for a specific serving time.

Suggested Activities or Resources (if applicable):

Make out written work and time schedules for meals to aid in getting everything done on time.

Loudon County High School Scholars Prep Guide 2019-2020

Upcoming Course Digital Art & Design 1

School: Loudon High School

Curriculum for the upcoming course and information of which students should be aware: and areas that might be a challenge for students:

Students will:

- ... compare multiple careers available in the design industry and research careers.
- ... explain the future of design communications in relation to the world's economy.
- ... apply camera technology responsibly to add to their knowledge for lifelong learning.
- ... utilize the design process, along with the elements and principles of design
- ... Apply knowledge of the history of graphic design.
- ... operate industry standard camera equipment & software including PowerPoint iMovie & Photoshop.
- ... assemble a portfolio of all design projects for critique reviews
- ... complete a series of hands on projects individually and with a team.
- ... develop essential skills in public speaking, business meeting etiquette, general leadership, community service and teamwork.

Areas that might be challenging for students:

Operating a Macintosh Computer

Typing text for projects

Following complex directions for independent design projects

Learning new Adobe software programs like Photoshop

Suggestions on how students can prepare for the upcoming course:

Take a business managements course first to become familiar with computer operations and typing skills.

Suggested Activities or Resources (if applicable):

Use Office 365 applications for other classes for practice. Especially Teams, Outlook Email and OneDrive.

Loudon County High School Scholars Prep Guide 2019-2020

Upcoming Course Digital Art & Design 2

School: Loudon High School

Curriculum for the upcoming course and information of which students should be aware: and areas that might be a challenge for students:

Students will:

- ... In-depth Research and Powerpoint presentation on a design career
- ... apply advanced camera technology to independent and team projects.
- ... practice the 3 step design process, and develop, comp sketches, and job estimates
- ... Apply knowledge of elements and principles of design to digital art projects
- ... Use industry standard camera equipment & choose appropriate software for hands on projects
- ... Maintain a Behance portfolio online of all design projects for critiques and grading
- ... complete a series of hands on projects individually and with a team.
- ... develop essential skills in email communication, storage device organization and file management, public speaking, business meeting etiquette, and teamwork.

Areas that might be challenging for students:

Advanced Camera Operations

Learning multiple Adobe Software programs

Applying design principles

Online portfolio management and communication

Suggestions on how students can prepare for the upcoming course:

Prerequisite for this class is Digital Art and Design 1

Take an Art 1 class for reinforcement of elements and principles of design

Suggested Activities or Resources (if applicable):

Use Office 365 applications for other classes for practice. Especially Teams, Outlook Email and OneDrive.

Loudon County High School Scholars Prep Guide 2019-2020

Upcoming Course Digital Art & Design 3

School: Loudon High School

Curriculum for the upcoming course and information of which students should be aware: and areas that might be a challenge for students:

Students will:

- ... Visit a college and local business related to the design industry
- ... apply advanced camera technology to independent projects.
- ... practice the 3 step design process, and develop, complex comp sketches, and job estimates
- ... Operate a print shop business and purchase wholesale merchandise
- ... Use industry standard camera equipment & choose appropriate software for hands on projects
- ... Complete a comprehensive portfolio online of all design projects for critiques and grading
- ... develop advanced skills in email communication, storage device organization and file management, public speaking, business meeting etiquette, and teamwork.

Areas that might be challenging for students:

Advanced Camera Operations

Taking the ACA Certification test for Visual Communications in Photoshop

Applying advanced Art & Design Principles

Finding motivation to create and finish self-guided learning and projects of interest with critical deadlines.

Suggestions on how students can prepare for the upcoming course:

Prerequisite for this class is Digital Art and Design 1 & 2

Suggested Activities or Resources (if applicable):

Use Office 365 applications for other classes for practice. Especially Teams, Outlook Email and OneDrive.