

# Student Voice

RCHS on the Web at <http://rchs.roaneschools.com>

Inside...Courses for 2016-2017

## Roane County High School's 2016-2017 Catalog of Courses and Requirements

### Introduction

The Catalog of Courses and Requirements contains general scheduling information, graduation requirements, suggestions for course selection, and course descriptions.

Upon graduation from Roane County High School, many students will seek further education while some students will seek immediate employment. Students who desire to continue their education beyond high school should plan their programs to include the requirements for entrance into college. It is important to note that, regardless of the students' educational and work goals and their subsequent selections of courses of study, all students who meet graduation requirements should qualify for some form of continuing education.

### Graduation Requirements

To meet state and local requirements for graduation, all students shall have:

1. attained an approved attendance record
2. attained an approved conduct record
3. followed a course of study which includes a planned path of education
4. completed TNReady Tests in the following subjects:

Algebra I  
Algebra II  
Biology I  
Chemistry I  
English I  
English II,  
English III,  
Geometry, &  
US History and Geography

All grades earned in grades 9, 10, 11, and first semester of 12 will count toward GPA and class ranking.

**NOTE:** Beginning with the class of 2018, the number of credits needed to graduate will increase from 22 to 24.

### Accreditation

Roane County High School is accredited by the Tennessee State Department of Education and the Southern Association of Colleges and Schools.

### Core Courses Lottery Scholarships

- |                                |  |
|--------------------------------|--|
| 4 <u>Math</u>                  | 1.5 <u>Physical Education and Wellness</u> (.5 of PE may be met by substituting equal time in other areas) |
| 1. Algebra I                   |  |
| 2. Geometry                    |  |
| 3. Algebra II                  |  |
| 4. a higher math               |  |
| 4 <u>English</u>               | .5 <u>Personal Finance</u>   |
| 3 <u>Science</u>               | 3 <u>Social Studies</u>  |
| 1. Biology                     | 1. World History & Geography   |
| 2. Chemistry or Physics        | 2. Economics .5  |
| 3. A lab science               | 2. US Govt & Civics .5   |
|                                | 3. US History & Geography  |
| 3 <u>Fine Art</u>              | 3 <u>Elective Focus</u> (3 in same area)   |
| 1. Band, Music, Art or Theater | AP   |
| 2. Spanish I, II               | CTE  |
| 3. French I, II                | Dual Enrollment  |
|                                | Fine Arts  |
|                                | Humanities   |
|                                | Math/Science   |

#### Tennessee HOPE Scholarship

Award amount - \$3,500 per year for 4-year institutions. \$1,500 for 2-year institutions (no more than cost) for freshmen and sophomores. \$4,500 per year at 4-year institutions for juniors and seniors.

- Entering freshman must have a minimum of a 21 ACT (980 SAT) OR
- Overall un-weighted minimum 3.0 GPA

#### General Assembly Merit Scholarship

Award amount - \$1000 supplement to Tennessee HOPE Scholarship

- Entering freshmen must have a minimum 3.75 weighted GPA & 29 ACT (1280 SAT)

### Faculty and Staff

#### Administration

Lance Duff, Cheryl Kennedy, & Kent Millsaps

#### Counselors

Tracy Rife-King & Julia Tedder

#### Graduation Coach

Suzanne Miller

#### Librarian and Assistant

Theresa Parrish & Lisa Washam

#### Office Staff

Vickie Davis, Susan Peden, Shannon Bolden, & Melissa Stout

#### School Nurse

Lisa Washam

#### School Resource Officer

Daryl Cook

#### Career and Technical Education

Mike Bell, Loftin Gerberding, Mike Guillemet, Sharon LaCasse, Jerry Monroe, Elik Pickell, Megan Skinner, & Jason Young

#### English

Linda Choate, Ellen Dailey, Kristy McClanahan, Suzanne Miller, Debbie Smith, Linda Vanlandingham, & Michael Vanlandingham

#### Fine Arts

Julie Brubaker & Zach Williamson

#### Foreign Language

Catherine Cheatwood, Christie Pitts, & Ellen Warman

#### Health and Physical Education

Colt Narramore, Brian Pankey, & Johnny Plemens

#### Mathematics

Greg Bowman, Kelly Foster, Bob Johnson, Missy Lane, Kristen Parrott, & David Smith

#### Science

Evelyn Choplosky, Sarah Johnson, Colt Narramore, Bruce Robinette, & Shannon Weaver

#### Social Studies

Bill Ardison, Wendy Johnson, Johnny Plemens, & Ruth Thompson,

#### Special Education

Keith Anderson, Nicole Branham, Emily Case, Robby Collier, Cynthia Gouge, Connie Guinn, & Dan Matthews

#### Special Educational Assistants & Attendants

Karen Clark, Rachel Collins, Phyllis Cooper, Gail Ely, Paula Gaines, Shelley Jones, Denicia McAbee, Mary McDonald, BJ Miles, Michael Turnington, Pat Witherspoon, Linda Wolfenbarger, & Clyde Young

## ENGLISH

- 30011 English I (1 credit) *For 9th grade students.*  
This is a survey course of literature and writing for freshmen who scored below proficient on the 8th grade state test.
- 30012 Accelerated English I (1 credit) *For 9th grade students.*  
This course is for freshmen who maintained at least a B average in 8th grade English and scored at least proficient on the state test and are recommended by their teachers.
- 30013 Honors English I (1 credit) *For 9th grade students.*  
This course is for freshmen who maintained at least an A average in 8th grade English and scored advanced on the state test and are recommended by their teachers.
- 30014 English I - RTI (1 credit) *For 9th grade students.*  
This is a skills-based English intervention in addition to a class. By teacher recommendation.
- 30021 English II (1 credit) *For 10th grade students.*  
This is a survey course of literature and writing for sophomores whom scored proficient or above on the English I state test.
- 30022 Accelerated English II (1 credit) *For 10th grade students.*  
This course is for sophomores who maintained at least a B average in English I and scored at least proficient on the English I state test and are recommended by their teachers.
- 30023 Honors English II (1 credit) *For 10th grade students.*  
This course is for sophomores who maintained at least an A average in English I and scored advanced on the English I state test and are recommended by their teachers.
- 30024 English II - RTI (1 credit) *For 10th grade students.*  
This is a skills-based English intervention in addition to a class. By teacher recommendation.
- 30031 English III (1 credit) *For 11th grade students.*  
This is a survey course of writing and American literature for juniors.
- 30032 Accelerated English III (1 credit) *For 11th grade students.*  
This course is for juniors who maintained at least a B average in English II and scored at least proficient on the English II state exam and are recommended by their teachers.
- 30033 English III - RTI (1 credit) *For 11th grade students.*  
This is a skills-based English intervention in addition to a class. By teacher recommendation.
- 3013 AP English III (1 credit) *For 11th grade students ONLY.*  
This AP English Language and Composition course will engage juniors in becoming skilled readers and writers. Students must take semester tests and the AP Test. Students making adequate scores on the AP test may receive college credit.
- 3005 English IV (1 credit) *For 12th grade students.*  
This is a survey course of writing and British literature for seniors.
- 3014 AP English IV (1 credit) *For 12th grade students ONLY.*  
This AP English Literature and Composition course will engage seniors in careful reading and critical analysis of imaginative literature. Students must take semester tests and the AP test. Students making adequate scores on the AP test may receive college credit.
- 3012 Creative Writing (1 credit) *For 11th -12th grade students.*  
Students will develop imaginative writing skills to explore various writing styles and strive for variety in diction, sentence structure, and format.

## MATH

- 31021 Algebra I (1 credit) *For 9th grade students.*  
This is a course that contains the language, notation, and application of basic algebraic skills for students that scored proficient or above on the 8th grade state test.
- 31022 Algebra I - RTI (1 credit) *For 9th grade students.*  
This is a skills-based Math intervention in addition to a class. By teacher recommendation.
- 31081 Geometry (1 credit) *For 9th-10th grade students.*  
This course is constructed to teach understanding properties, relationships, and geometric reasoning of 1, 2, and 3 dimensional figures. This course also covers state objectives and prepares students for college and the ACT exam. Prerequisite: Algebra I.
- 31082 Geometry - RTI (1 credit) *For 9th-10th grade students.*  
This is a skills-based Math intervention in addition to a class. By teacher recommendation. Prerequisite: Algebra I.
- 31031 Algebra II (1 credit) *For 10th-11th grade students.*  
This course is an extension Algebra I for students that scored proficient or above on the Geometry state test and is designed to cover the objectives outlined by the state. Prerequisites: Algebra I and Geometry.
- 31032 Algebra II - RTI (1 credit) *For 10th-11th grade students.*  
This is a skills-based Math intervention in addition to a class. By teacher recommendation. Prerequisites: Algebra I and Geometry.
- 3126 Pre-Calculus (1 credit) *For 11th-12th grade students.*  
This course includes the content of a college course in analytical geometry and functions. Prerequisites: Algebra I, Algebra II, and Geometry.
- 3181 Bridge Math (1 credit) *For 12th grade students.*  
This course is for students who have not earned at least a 19 on the math component of the ACT by the beginning of the senior year. It introduces new skills in conjunction with appropriate mathematical concepts related to previous learning. Prerequisites: Algebra I, Algebra II, and Geometry.
- 3182 Finite Math (1 credit) *For 12th grade students.*  
This course is intended for students that score between a 19 and a 22 on their ACT. A multi-topic math course.
- 3136 Statistics (1 credit) *For 11th-12th grade students.*  
This course is designed to prepare students for college and covers the representation, description, and analysis of data. Prerequisites: Algebra I, Algebra II, and Geometry.
- 3113 Calculus (1 credit) *For 12th grade students.*  
This single-variable course is for students who plan to take calculus in college. Prerequisite: Successful completion of Pre-Calculus which includes trigonometry.
- 3127 AP Calculus (1 credit) *For 12th grade students ONLY.*  
This single-variable course is for students who plan to take the AP test in order to receive college credit. Students must take semester tests and the AP test. Prerequisite: Student must have made an A in Pre-Calculus.

## SCIENCE

3204 Earth Science (1 credit) *For 9th-12th grade students.*  
This course focuses on energy in the earth system and how it drives convection in our atmosphere and oceans, which in turn drives global climate conditions and local weather patterns.

5957 Agriscience (1 credit) *For 9th-10th grade students.*  
This laboratory science prepares students for biology and subsequent science courses and will count as a Science credit required for graduation. (NOTE: This is only for students pursuing a Program of Study under the Agriculture, Food, and Natural Resources Career Cluster.)

32102 Accelerated Biology (1 credit) *For 9th grade students ONLY.*  
This course is for freshmen who maintained at least an A average in science and scored advanced on the 7th and 8th grade state test, are recommended by their teachers, and preferred to have completed Algebra I.

3205 Geology (1 credit) *For 10th-12th grade students.*  
This course explores the origins and the connections between physical, chemical, and biological processes that govern the earth system. Students will study the formation of rocks and minerals. Recommended Prerequisite: Earth Science.

32101 Biology I (1 credit) *For 10th-12th grade students.*  
This laboratory science course explores biological concepts through an inquiry approach. Prerequisite: Successful completion of Algebra I with at least a C average.

3215 AP Biology (1 credit) *For 11th-12th grade students ONLY.*  
This course covers the content of an introductory college biology course. Laboratory practices and principles are emphasized. Students must take semester tests and the AP test. Students making adequate scores on the AP test may receive college credit. Science teacher recommendation required.

3221 Chemistry (1 credit) *For 11th-12th grade students.*  
This is a laboratory science course in which the students investigate the composition of matter and the physical and chemical changes it undergoes. Prerequisite: Geometry.

32212 Accelerated Chemistry (1 credit) *For 10th grade students ONLY.*  
This course is for sophomores who maintained at least a B average in Accelerated Biology and scored advanced on the Biology state test and are recommended by their teachers.

3225 AP Chemistry (1 credit) *For 11th and 12th grade students.*  
Provides students with a college-level foundation to support future advanced course work in chemistry. Students cultivate their understanding of chemistry through inquiry-based investigations, as they explore topics such as: atomic structure, intermolecular forces and bonding, chemical reactions, kinetics, thermodynamics and equilibrium. Science teacher recommendation required.

3259 Anatomy and Physiology (1 credit) *For 10th-12th grade students.*  
This course covers the structure and function of the human body from cells to the systems. This is a hands-on laboratory course with several dissections throughout the year. A lab fee is required. Prerequisite: Biology.

3231 Physics (1 credit) *For 11th-12th grade students.*  
This laboratory science course examines the interactions between matter and energy. Prerequisite: Geometry.

5961 Veterinary Science (1 credit) *For 11th-12th grade students.*  
This course challenges students to use advanced technologies and medical treatments to maintain the health of animals and will count as a Science credit required for graduation. Prerequisite: Agriscience. (NOTE: This is only for students pursuing a Program of Study under the Agriculture, Food, and Natural Resources Career Cluster and will not be offered until 15-16.)

## SOCIAL STUDIES

3401 World History and Geography (1 Credit) *For 9th-12th grade students.*  
This is a survey course covering World History and Geography. This course is required for graduation.

3435 Contemporary Issues (1 credit) *For 9th-12th grade students.*  
Students will study various dynamic issues facing today's society enabling them to discover their values and responsibilities as citizens.

3432 Sociology (1/2 credit) *For 10th-12th grade students.*  
Students in this course will study human behavior and behavior theory as it relates to groups.

3433 Psychology (1/2 credit) *For 10th-12th grade students.*  
Students in this course will study human behavior and behavior theory as it relates to individuals.

3431 Economics (1/2 credit) *For 10th-12th grade students.*  
This course will study how individuals and nations choose to use resources. This course is required for graduation. Business Economics will substitute for Economics.

3407 US Government and Civics (1/2 Credit) *For 11th-12th grade students.*  
Students in this course will study the organization and operations of the US Government. This course is required for graduation. American Business Legal will substitute for US Government and Civics.

3405 US History and Geography (1 credit) *For 11th-12th grade students.*  
This is a survey course covering US History and Geography. This course is required for graduation.

3440 AP US History (1 credit) *For 11th-12th grade students ONLY.*  
This is a survey course covering US History. A GPA of 3.5 is required to enroll. This course fulfills the graduation requirement. Students must take semester tests and the AP test. Students making adequate scores on the AP test may receive college credit.

3452 Bible (1 credit) *For 11th-12th grade students.*  
This course enables students to acquire an understanding and appreciation of the Bible's major ideas, historical/geographical contexts, and literary forms. (NOTE: The class will meet 7:00 am to 8:15 am on specified days.)

3497 Great Battles (1/2 credit) *For 10th-12th grade students.*  
A survey of military confrontations that resulted in profound political consequences, from antiquity to the modern era. Students should have already had World History as a prerequisite.

3497 United States Military History (1/2 credit) *For 11th-12th grade students.*  
The dynamics of the United States military from colonial to modern times, focusing on its changing role as the nation's foreign policy objectives have evolved. Students should have already had United States History as a prerequisite.

## WELLNESS - HEALTH/PHYSICAL EDUCATION

3303 Lifetime Wellness - PE (1/2 credit) *For 9th-12th grade students.*  
This class is required for graduation. (NOTE: 1/2 credit may be met by substituting an equivalent time of physical activity in other areas such as band, cheerleading, interscholastic athletics, and school sponsored athletics.)

3303B Lifetime Wellness - Health (1/2 credit) *For 9th-12th grade students.*  
This class is required for graduation.

3302 PE II (1/2 credit) *For 10th-12th grade students.*  
For student that need the additional 1/2 credit to meet the graduation requirement. Should be limited to students that need this credit to graduate.

## FOREIGN LANGUAGE

30211 Spanish I (1 credit) *For 10th-11th grade students.*  
Students will acquire command of basic vocabulary and language structures through listening, speaking, reading, and writing activities.

30221 Spanish II (1 credit) *For 11th-12th grade students.*  
Students will acquire command of basic vocabulary and language structures through listening, speaking, reading, and writing activities. An overview of Hispanic history and culture will be given. Prerequisite: Spanish I.

3023 Spanish III (1 credit) *For 12th grade students.*  
Students will study Hispanic culture, geography, and traditions. Speaking, writing, and reading skills will continue to improve. Prerequisite: Must have an A average in Spanish II and permission of the instructor to enroll.

3041 French I (1 credit) *For 10th-12th grade students.*  
Students will acquire command of basic vocabulary and language structures through listening, speaking, reading, and writing activities.

3042 French II (1 credit) *For 11th-12th grade students.*  
Students will acquire command of basic vocabulary and language structures through listening, speaking, reading, and writing activities. An overview of French history and culture will be given. Prerequisite: French I.

3043 French III (1 credit) *For 12th grade students.*  
Reviews and builds on the grammar and vocabulary taught in French 2 to enhance conversational, reading, listening, and writing skills. French 3 incorporates all four language skills: reading, speaking, listening, and writing. Enrolling students must have earned an A or B in both French 1 and French 2.

## MARCHING BAND/MUSIC

3530 Marching Band (1 credit) *For 9th-12th grade students.*  
This course is for all members of the RCHS marching band and meets the fine arts credit requirement for college.

0996 Small Ensemble (1 credit) *For 9th-12th grade students.*  
This course requires instructor approval and will consist of upper-level students that are already participating in the marching and concert band. Instructor permission required.

3517 Music History (1 credit) *For 11th-12th grade students.*  
This course explores the history of music and meets the fine arts credit requirement for college.

## THEATER ARTS

3520 Theater Arts I (1 Credit) *For 9th-12th grade students.*  
This course is offered to students, with or without experience, who want to learn about acting, set design, lighting design, and costume design. This course meets the fine arts credit requirement for college.

3521 Theater Arts II (1 Credit) *For 10th-12th grade students.*  
Students will have the opportunity to participate and/or perform in front of a live audience. Prerequisite: Theater Arts I.

3522 Theater Arts III (1 Credit) *For 11th-12th grade students.*  
Students will have the opportunity to participate and/or perform in front of a live audience. Prerequisites: Theater Arts I and Theater Arts II.

3523 Theater Arts IV (1 Credit) *For 12th grade students.*  
Students will have the opportunity to participate and/or perform in front of a live audience. Prerequisites: Theater Arts I; Theater Arts II and Theater Arts III.

## VISUAL ARTS

3515 Art History (1 credit) *For 9th-12th grade students.*  
Students will research the styles and techniques of artists from around the world. There will be art projects to coincide with the various artists. This course meets the fine arts credit requirement for college.

3501 Visual Arts I (1 credit) *For 9th-12th grade students.*  
This course is an introduction to basic drawing media, concepts, and techniques and to the elements and principles of pictorial organization. This course meets the fine arts credit requirement for college.

3502 Visual Arts II (1 credit) *For 11th-12th grade students.*  
This course encourages the development of visual awareness, analytical thinking, craftsmanship, rise of media and technique, and application of design principles. Must have permission of the instructor to enroll. Prerequisite: Visual Arts I.

3503 Visual Arts III (1 credit) *For 12th grade students.*  
This course is a continuation of Visual Arts II. Must have permission of the instructor to enroll. Prerequisites: Visual Arts I and Visual Arts II.

## OTHER ELECTIVES

ACT Prep (1/2 credit) *For 11th-12th grade students.*  
This course will prepare students to take the ACT given in their junior year. The program will provide an overview of the test, practical test taking strategies, and opportunities to take full-length practice ACT tests.

Senior Transition (1 credit) *For 12th grade students ONLY*  
A new elective course designed to prepare future freshmen for college. The expectations and curriculum are tailored to match the maturity and skills students have acquired by this time in their lives. While much of the content is applicable to all graduating seniors, the majority of the course is customized for college-bound students. Throughout the course, students will gain knowledge and skills to improve academic performance, progress toward major and career goals, and advance development as a lifelong learner.

## CAREER AND TECHNICAL EDUCATION

### AGRICULTURE, FOOD, AND NATURAL RESOURCES Veterinary and Animal Science Program of Study

5957 Agriscience (1 credit) *For 9th-10th grade students.*  
This is an introductory lab science course that prepares students for biology, subsequent science and agriculture courses, and postsecondary study. This course helps students understand the important role that agricultural science and technology serves in the 21st century. This is the first course in this Program of Study and will count as a lab science credit which is required for graduation.

6116 Large Animal Science (1 credit) *For 10th-11th grade students.*  
This applied course in veterinary and animal science covers anatomy and physiological systems of different groups of large animals, and careers, leadership, and history of the industry. Prerequisite: Agriscience. This is the second course in this Program of Study.

5961 Veterinary Science (1 credit) *For 11th-12th grade students.*  
This is an advanced course in animal science and care that covers principles of health and disease, basic animal care and nursing, clinical and laboratory procedures, and additional industry-related career and leadership knowledge and skills. Prerequisites: Agriscience; and Large Animal Science. This is the third course in this Program of Study and will count as a lab science credit which is required for graduation.

## **ARTS, A/V TECHNOLOGY & COMMUNICATIONS**

### **Digital Arts & Design Program of Study**

6084 Digital Arts and Design I (1 credit) *For 9th-10th grade students.*  
This course provides a foundation in visual communication concepts and design strategies. Content is designed to foster skills and understanding that are essential in modern digital graphics, motion graphics, publishing, Web, film/video, photography, and animation graphics. This is the first course in this Program of Study.

6086 Digital Arts and Design II (1 credit) *For 10th-11th grade students.*  
This course builds on the foundational core elements learned in Digital Arts and Design I. Students will gain mastery of various applications of design through continued study of typography, style, composition, visual elements, color, creative technical software and more focused problem-solving tasks that encourages higher order thinking. Prerequisite: Digital Arts & Design I. This is the second course in this Program of Study.

6087 Digital Arts and Design III (1 credit) *For 11th-12th grade students.*  
This course will foster advanced integrated skills. Students will be exposed to the real world design challenges in a laboratory facility through projects that simulate industry objectives. Prerequisites: Digital Arts and Design I; and Digital Arts and Design II. This is the third course in this Program of Study.

## **BUSINESS MANAGEMENT & ADMINISTRATION**

### **Office Management Program of Study**

5891 Computer Applications (1/2 credit) *For 9th-12th grade students.*  
This course is designed to develop the basic computer skills which will help students in high school, college and the workplace. Students will gain basic proficiency in word processing, spreadsheets, databases, and presentations by using Microsoft Office Word, PowerPoint and Excel. This is the first course in this Program of Study.

5892 American Business Legal (1/2 credit) *For 10th-12th grade students.*  
This course provides students with an understanding of the legal framework for American business and how it functions. Students evaluate the influence of the free enterprise system in a democratic society on a daily basis. This is the second course in this Program of Study. (NOTE: Will substitute for US Government and Civics which is required for graduation.)

5898 Business Economics (1/2 credit) *For 10th-12th grade students.*  
This course covers the roles of financial institutions, the government, and the individual within the free enterprise system including the production, marketing and distribution of goods and services. This is the third course in this Program of Study. (NOTE: Will substitute for Economics which is required for graduation.)

5901 Personal Finance (1/2 credit) *For 11th-12th grade students.*  
This is a course where students will learn how careers and education impact future earnings. Students will also create household budgets and evaluate the real cost of borrowing and credit. This course is required for graduation. This is the fourth course in this Program of Study.

5904 Advanced Computer Apps (1 credit) *For 11th-12th grade students.*  
This course provides advanced training for students pursuing Microsoft Office Specialist (MOS) certification. Students will enhance and develop their employability skills. Prerequisite: Computer Applications. This is the fifth course in this Program of Study.

## **LAW, PUBLIC SAFETY, CORRECTIONS, AND SECURITY**

### **Law Enforcement Services Program of Study**

5987 Criminal Justice I (1 credit) *For 9th-10th grade students.*  
This course provides a comprehensive survey of how the law enforcement, legal and correctional systems interact with each other in the United States. Students may test for certification in CPR. This is the first course in this Program of Study.

3407 Government and Civics-CJ II (1Credit) *For 10th-11th grade students.*  
This course prepares students for advanced work in crime scene analysis and forensic science. Special emphasis is placed on best practices and professional traits required of law enforcement and legal professionals. This is the second course in this Program of Study. This class meets the graduation requirement for Government. Prerequisite: Criminal Justice I.

5989 Criminal Justice III (1 credit) *For 11th-12th grade students.*  
This course is designed to provide students with the knowledge and skills needed to be successful in the sciences of criminal investigations. Students will analyze evidence through simulated crime scenes and evaluation of case studies. Prerequisites: Criminal Justice I; and Criminal Justice II. This is the third course in this Program of Study.

## **MARKETING**

### **Marketing Management Program of Study**

5931 Marketing and Management I (1 credit) *For 9th-10th grade students.*  
This course studies the risks and challenges that marketers face to establish a competitive edge in the sale of products and services. Other topics include economics fundamentals, international marketing, and career development. This is the first course in this Program of Study. (NOTE: Will substitute for Economics which is required for graduation.)

5932 Marketing and Management II (1 credit) *For 10th-11th grade students.*  
This course is a study of marketing concepts and principles which are used in management. Students will examine the challenges, responsibilities, and risks managers face in today's workplace. Subject matter includes finance, business ownership, risk management, marketing information systems, purchasing, promotion, and human resource skills. Prerequisite: Marketing and Management I. This is the second course in this Program of Study.

5936 Advertising and PR (1 credit) *For 11th-12th grade students.*  
This applied knowledge course focuses on the concepts and strategies associated with promoting products, services, ideas and events. It also addresses skills essential to the creative side of the industry and explores consumer behavior patterns and motivations for buying. Prerequisites: Marketing and Management I; and Marketing and Management II. This is the third course in this Program of Study. (NOTE: Must have permission of the instructor to enroll in this class.)

5888 Business Communications (1 credit) *For 11th-12th grade students.*  
This is the yearbook course. Instructor must approve enrollment in this course.

## **SCIENCE, TECHNOLOGY, ENGINEERING, & MATHEMATICS**

### **Technology Design Program of Study**

6052 Principles of Engineering (1 credit) *For 9th-10th grade students.*  
Students evaluate existing engineering designs, use sketching and drawing techniques and complete simple design projects. Prerequisite: B average or above in previous math. This is the first course in this Program of Study.

6053 Digital Electronics (1credit) *For 10th-11th grade students.*  
Students construct and test digital logic circuits with hands-on activities, real-world equipment, and current technology. Prerequisites: Principles of Engineering. This is the second course in this Program of Study.

6143 Robotics & Automated Systems (1 credit) *For 12th grade students.*  
This is an applied course for students to who want to explore how robots and automated systems are used. Prerequisites: Principles of Engineering; and Digital Electronics. This is the third course in this Program of Study.

## WORK-BASED LEARNING

6105 Work-Based Learning (1-2 credits) *For 12th grade students ONLY.* Work-based learning activities are part of a structured system for high school Seniors that allows them to apply classroom theories and to explore career options at the work site or connect classroom learning to work. These activities may or may not be paid. Students must have permission of the Career and Technical Education Director to enroll in any of the activities listed below:

Cooperative education (Co-op) is a method of instruction whereby students coordinate their studies with a *paid* job in a field related to their career and technical education course. Students receive credit for both classroom and work experiences related to the course of study. Maximum two credits per year.

Internships are *non-paid* experiences where students work for a specified period of time to learn about a particular industry or occupation. These experiences are limited to nine weeks with a specific job title, but can rotate through multiple nine week placements, which may be at the same work site with different job responsibilities. Maximum of two credits per year.

School Based Enterprise is a *non-paid* experience where students, as part of their school program, are involved in the management of a project that involves the sale of goods. Maximum two credits per year.

Peer tutoring students will be assigned to a teacher teaching remediation classes and work with students to improve skill in Math and English.

Special Education Peer Assistant- Work with students in the Life Skills and Work-Based Learning classes. Ms. Guinn approval needed.

SBE office aide students will assist the office or library with day to day office activities. Principal approval needed.

## DUAL ENROLLMENT COURSES

### through Roane State Community College offered at RCHS

The following courses are for junior and senior students that meet the enrollment criteria that Roane State has set. All course are 3 college hours and 1 high school credit.

#### Fall Semester

ENGL 1010- Composition I Instructor: Dr. Vanlandingham  
12th grade students only. This is hybrid course covering English IV two days per week and Composition three days per week.  
Composition I is designed to develop proficiency in essays based on several rhetorical modes of writing, such as narrative (personal experience) and expository (informative) essays. The majority of the essays are applicable to major fields of study and societal issues. Research paper required. Prerequisite: Reading learning support classes must be completed prior to enrollment in this course. Roane State General Education course approved and designed for transfer. During school day- M-F (ACT requirements: 18 English, 19 Reading)

PSYC 1030- General Psychology Instructor: Darren York  
A survey course dealing with the scientific analysis of human behavior and mental processes. 7 AM- Offered on T & R (ACT requirements: 18 English, 19 Reading)

MUS 1030- Music Appreciation Instructor: Dale Disney  
Open to all students who desire a better understanding of music. In this one-semester course, traditional art music will be explored through class lecture as well as weekly listening assignments.

## Second Semester

ENGL 1020- Composition II Instructor: Dr. Vanlandingham  
12th grade students only. This is hybrid course covering English IV two days per week and Composition three days per week.  
Writing based on literature and research. Includes interpretation and analysis of fiction, drama, poetry, and the novel. (Prerequisite: ENGL 1010)  
During school day- M-F

SOCI 1010- Introduction to Sociology Instructor: TBD  
This course focuses on the analysis of human social interaction, patterned social relationships, and social change. Emphasis is placed on the theoretical perspectives and principles of explanation used by sociologists, as well as the basic concepts such as culture, socialization, social organization, social deviance, and social stratification.  
7 AM- Offered on M & W

SPCH 1010- Fundamentals of Speech Communication Instructor: TBD  
This course is designed to introduce the student to the skills of interpersonal communication. Emphasis is placed upon the fundamental principles and techniques of public speaking, and the oral and physical aspects of delivery. Emphasis is also placed upon discussion, listening skills, thoughtful examination of diverse ideas, respect for everyone's right to a point of view and the tenets of free speech.  
7 AM- Offered on T & R

MATH 1130- College Algebra Instructor: Kelly Foster  
A course in algebraic functions, their properties and uses-equations, inequalities, graphs, systems of linear equations, analytical geometry including ellipse and hyperbola. Applications are in the mathematics of finance as well as the laws of growth and decay in other areas. (Prerequisites: Two years of high school algebra and one year of geometry with an ACT of 21 or above OR appropriate mathematics learning support courses and MATH 1000) 7 AM- Offered on M & W  
Please check your college major. Normally if only one math is required, the course will be either College Algebra or Statistics. Do not take both without looking at your college major requirements.

MATH 1530- Probability and Statistics (Non-Calculus Based) TBD  
An introduction to probability and statistics without calculus. Topics covered include sampling, frequency distribution, elementary probability, hypotheses testing, linear regression and correlation, analysis of variance and non-parametric statistics. A TI-84 or comparable calculator is required. (Prerequisites: Two years of high school algebra and one year of geometry with an ACT of 19 or above OR appropriate learning support mathematics courses) Offered during the school day for students that completed the five learning modules through the Bridge (SAILS) math course or other higher level math courses. During the school day (MWF).

## NURSING

### through the Tennessee College of Applied Technology in Harriman offered at RCHS

Certified Nursing Assistant (1 credit) *For 11th -12th grade students ONLY.*  
A certified nursing assistant (CNA), also known as a nurse aide, takes care of patients' basic needs and provides support to other medical professionals. Students are introduced to a variety of health-related topics, especially the role of the nursing assistant in the overall nursing process. They also begin to address the legal and ethical issues inherent at this level of patient care. This course includes a combination of lectures and laboratory practice. Graduates have to pass their state competency exam to get the title of CNA. Offered two periods in either 1st or 2nd semester.