



Union County T.E.A.M.S. Charter School and High School/College Leadership Academy
"Become a Part of the Journey ... 21st Century Education"



High School Graduation Requirements



"We Are Community Builders ... Aiming High and Achieving Greatness"



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GRADUATION REQUIREMENTS

In order to receive a diploma from Union County T.E.A.M.S. Charter School and High School/College Leadership Academy, students must fulfill the minimum requirements established by the New Jersey Department of Education and the UCTCS Board of Trustees.

To graduate from UCTEAMS High School/College Leadership Academy students must:

- 1) Pass the SAT/ACT/ACCUPLACER/ASVAB for classes through 2019 graduation. (Scores Vary)
Pass the PARCC both ELA and MATH for classes beginning in 2020**
- 2) Take the exit exam for the New Jersey State basic Science Course**
- 3) Earn a minimum of 125 credits including college courses if used for dual credit**
- 4) Take the Scholastic Aptitude Test (SAT) prior to graduation**
- 5) Apply and be accepted to two colleges/ universities, or Certificated/TRADE programs**
- 6) Complete a Senior Portfolio (according to guidelines), Participate in the Senior Exit Interview, and Complete Required Community Service of 100 hours.**

ADDITIONAL REQUIREMENTS

1. Any student who has a D or fails a required subject must pass the course before entering the College Bridge program. If a student fails a required subject they must pass the course prior to graduation. Credit recovery courses are available at the parent's expense through approved online agencies.
2. No student shall participate in senior week activities (senior trip, senior prom, etc.) or commencement activities until all requirements are met.
3. Community and University College classes are accepted for High School credit replacement of equal course in the curriculum.
4. Other non-traditional courses, such as Virtual Online Courses are accepted for full credit during the regular school year as well as for summer credit upon approval of service agency used, course description, satisfactory grades, and approval of Executive Director/Founder or designee.
5. All students are required to complete one semester of Service and/or Professional Learning.
6. All students who fail a college course due to lack of effort or attendance are required to reimburse total costs. Fees must be paid in full before transcripts and/ or diplomas are released.



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All students at UCTCS are eligible for the following
4-YEAR COLLEGE PREPARATORY CURRICULUM

Most colleges require at least 16 **college prep** or **advanced classes** while in high school. The minimum high school units required are:

- English Language Arts 4 (World Lit., American Lit. I/II, African American Lit., Creative Writing I/II)
- Mathematics 3 (Algebra 1&2, Geometry, Pre-Calculus, Trigonometry)
- World Language 2 (2 or 3 years recommended)
- Laboratory Sciences 3 (3 or 4 recommended)
- Social Studies 3 (3 or 4 recommended)
- Electives 3 (1 Leadership Course recommended)
- Physical Education/Health 4 (4 recommended)
- Visual and Performing Arts 1 (1 or 2 recommended)
- Technological Literacy 1 (2 or 3 recommended)
- Career Education 1 (1 or 2 recommended)
- Financial Literacy 1 (1 or 2 recommended)
- College Courses (UCC/MCC) 12 (12 – 18 recommended)



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PROGRAM PLANNER WORKSHEET

Use the following sheet when planning your high school course selections

	Grade 9	Grade 10	Grade 11	Grade 12	Required years for graduation	Credits for Graduation
English Literature & Composition					4	20
PE/Health					4	20
Mathematics					3	15
Science 2/3 labs					3	15
US History I & II					2	10
World History					1	5
World Language I & II					2	10
Visual/Fine/ Performing Arts					1	5
Career Education & Consumer, Family and Life Skills					1	5
Financial Literacy					1	5
Leadership					4	3
College Courses Electives – any combination offered					4	25
Total Credits						125 credits + other college credits



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High School Course Listing*

Grade	Course Name	Credits
9	Honors Algebra I	5.0
	Honors World Literature	5.0
	Biology	5.0
	Global Studies	5.0
	Entrepreneurship & Finance	2.5
	Service Learning I (Elective)	1.25
	Information/Media Technology (Elective)	2.5
	21 st Century Career, Family, Life	2.5
	Physical Education/Health	5.0
	World Language I	5.0
	General Music or Art	5.0
	Leadership I (Elective)	.75
	PARCC Preparation/Freshman Seminar	1.25
	Computer Science I	5.0
	Creative Writing I	2.5
10	Honors Geometry	5.0
	Honors American Literature I	5.0
	Creative Writing II	2.5
	Physical Science	5.0
	Honors US History I	5.0
	Entrepreneurship & Finance II	2.5
	Service Learning II (Elective)	1.25
	Applied Technology (Elective)	2.5
	21 st Century Career, Family, Life II	1.25
	Physical Education/Health / Drivers Education	5.0
	World Language II	5.0
	Leadership II	.75
	PARCC Preparation/Sophomore Seminar	1.25
	Computer Science II	5.0
11	Honors Algebra II	5.0
	Honors American Literature II	5.0
	Chemistry	5.0
	Honors US History II	5.0
	Career Education (Elective)	1.25
	Physical Education	3.75
	Health / Drivers Education	1.25
	UCC/MCC Supervised Study/Junior Seminar	1.25
	SAT Preparation (Elective)	1.25
	Leadership III	.75
12	Elective Option	
	Honors African American Literature	5.0
	World Language & Culture	5.0
	Physical Education/Health	5.0
	UCC/MCC Supervised Study/Senior Seminar	1.25
	Leadership IV	1.25
	SAT PREP (Elective)	

*This course listing is not complete and other courses/electives may be added or deleted.



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The core curriculum for High School students includes Mathematics, Science, Language Arts, and Social Studies. Other course requirements and electives are also outlined. All courses are taught using the Common Core State Standards Brief descriptions for all are provided.

MATHEMATICS

Grade 9/10 – Honors Advanced Algebra I and Algebra II

Algebra I/II course topics typically include field properties and theorems; set theory; operations with rational and irrational expressions; factoring of rational expressions; in-depth study of linear equations and inequalities; quadratic equations; solving systems of linear and quadratic equations; graphing of constant, linear, and quadratic equations; properties of higher degree equations; and operations with rational and irrational exponents.

Grade 10 – Honors Geometry

Covering topics of both Trigonometry and Analytic Geometry, these courses prepare students for eventual work in calculus. Topics typically include the study of right trigonometric and circular functions, inverses, and graphs; trigonometric identities and equations; solutions of right and oblique triangles; complex numbers; numerical tables; vectors; the polar coordinate system; equations and graphs of conic sections; rotations and transformations; and parametric equations.

Grade 11 – Precalculus

Pre-Calculus courses combine the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; vectors; the polar coordinate system; conic sections; Boolean algebra and symbolic logic; mathematical induction; matrix algebra; sequences and series; and limits and continuity.



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LANGUAGE ARTS

Grade 9 - World Literature

World Literature courses use representative literature selections from ancient and/or modern times from countries around the world. Students improve their critical-thinking skills as they comprehend the diversity of literary traditions and the influences of those traditions. Oral discussion is an integral part of literature courses, and written compositions are often required.

Grade 10 - American Literature I

American Literature courses focus upon commonly known American authors and their work. Students improve their critical-thinking skills as they determine the underlying assumptions and values within the selected works and as they understand how the literature reflects the society of the time. Oral discussion is an integral part of literature courses, and written compositions are often required.

Grade 11 – Honors American Literature II

American Literature/History courses integrate the study of American literature with an overview of U.S. history. These courses may also include other aspects of American culture, such as art or music. A two-year sequence or two-period per day class may be required to cover the same objectives as would be covered separately in U.S. History Overview and American Literature.

Grade 9/10 – Creative Writing

Creative Writing courses offer students the opportunity to develop and improve their technique and individual style in poetry, short story, drama, essays, and other forms of prose. The emphasis of the courses is on writing; however, students may study exemplary representations and authors to obtain a fuller appreciation of the form and craft. Although most creative writing classes cover several expressive forms, others concentrate exclusively on one particular form (such as poetry or playwriting).

Grade 9/10/11/12 – Public Speaking

This course covers the communication process and the four levels of communication: self-communication, one to one, small group, and one to many. Students will be expected to prepare and deliver a variety of oral presentations. Preparation in group activities will be required in addition to a final oral presentation.

Grade 12 – Honors African American Literature

African American Literature offers students the opportunity to study African American Literature within the historical, social and cultural context in which it was written. The course focuses on critically examining memoirs, novels, drama, poetry and speeches written by some of the most prominent and prolific African American thinkers, as well as writing thoughtful, informed, research-based essays at the college level.



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SCIENCE

Grade 9 – Biology

Biology courses are designed to provide information regarding the fundamental concepts of life and life processes. These courses include (but are not restricted to) such topics as cell structure and function, general plant and animal physiology, genetics, and taxonomy.

Grade 10 – Physical Science

Physical Science courses involve study of the structures and states of matter. Typically (but not always) offered as introductory survey courses, they may include such topics as forms of energy, wave phenomenon, electromagnetism, and physical and chemical interactions.

Grade 11 – Forensic Science (Elective)

Forensic Science courses apply the basic sciences of Biology, Chemistry, and Physics to matters of law. The techniques of evidence collection, analysis, and interpretation are discussed. Specific areas of study may include DNA analysis, fingerprint comparison, drug analysis, and questioned document analysis.

Grade 11 – Chemistry

Chemistry courses involve the study of the composition, structure, properties, and reactions of matter, especially of atomic and molecular systems. It involves the study of matter, its properties, how and why substances combine or separate to form other substances, and how substances interact with energy. Specifically, it will reveal that chemists are not all white-coated scientists mixing strange liquids in a laboratory, but the truth that we all are chemists.

SOCIAL STUDIES

Grade 9 – Global Studies

World Geography courses provide students with an overview of world geography, but may vary widely in the topics they cover. Topics typically include the physical environment; the political landscape; the relationship between people and the land; economic production and development; and the movement of people, goods, and ideas.

Grade 10 – US History I

Early U.S. History courses examine the history of the United States from the colonial period to the Civil War or Reconstruction era (some courses end after this period). Some courses include American history before European settlement, while others may begin at the formation of the new nation. These courses typically include a historical overview of political, military, scientific, and social developments.

Grade 11 – US History II

Modern U.S. History courses examine the history of the United States from the Civil War or Reconstruction era (some courses begin at a later period) through the present time. These courses typically include a historical review of political, military, scientific, and social developments.



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Grade 11/12 – Psychology (UCC)

Psychology is the study of the individual behavior and personality of people. The main focus will be on the analysis and application of relevant psychological concepts.

Grade 11/12 – Sociology (UCC)

Sociology is a social science that strives to understand society through a study of patterns of human behavior. This course covers research design, culture, deviance, crime, family, communication, status, relationships, media, and gender.

ASSESSMENT PREP COURSES –PARCC SEMINAR

Assessment prep courses are required for all students in mathematics and language arts literature. Classes are designed to address students NJSL (Common Core state standards). Topics vary depending on the course, but problem solving strategies and test preparation skills will be included at each level.

Grade 9/10/11/12 – S.A.T Preparation (Math/LAL)

Standardized Test Preparation courses help prepare students for national standardized tests such as the PSAT, SAT, and ACT. In particular, these courses assist students in developing and/or expanding their vocabulary, test-taking, and reasoning skills through study, lecture, and practice drills. Course topics may include vocabulary review; root words, prefixes, and suffixes; mathematical concepts, logic, and rules; and general problem-solving and test-taking strategies.

Grade 9/10 - Supervised Study Grade 11/12 – UCC/MCC Supervised Study

Supervised Study periods provide students with the opportunity and time to complete classroom assignments and college-level work assignments. Students typically work on their own, without the help of a tutor; however, staffs are available to assist, they are supervised and usually remain in the classroom.

Grade 9/10/ 11 – FRESHMAN/SOPHOMORE/JUNIOR SEMINAR/SENIOR SEMINAR

Supervised Basic Skills periods provide students with the opportunity and time to enhance their study skills, basic skills, and test taking skills in preparation for PARCC assessment in both ELA and MATH. Students typically work in Small Group Instructional (SGI) settings or individually as well as in Virtual Online Programs. These seminars are supervised in classroom settings with instructional staff who are present to assist.



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PRACTICAL/CAREER ARTS

Grade 9/10 – Information Management I / II

Technological Literacy courses expose students to the communication, transportation, energy, production, biotechnology, and integrated technology systems and processes that affect their lives. The study of these processes enables students to better understand technological systems and their applications and uses.

Grade 9/10 – Applied Technology

Technological Processes courses provide students with the opportunity to focus on one or more areas of industrial technology, applying technological processes to solve real problems and developing the knowledge and skills to design, modify, use, and apply technology appropriately. Students may examine case studies, explore simulations, or design and build prototypes and working models.

Grade 11/12 – Computer Programming

This course is designed for students interested in learning more about programming and is recommended for those going on to college and/or technical school. The course provides students with a solid background of standard computer logic, which will enhance problem-solving skills. This course is designed to be a rewarding and fun learning experience for students who have no prior programming experience

Grade 11/12 – Computer Science

This course provides an introduction to programming. Important concepts included are structured Java programming style, assignment and logical operators, decision-making, looping, functions and arrays. Students will also learn the concepts of data structures, classes, inheritance, recursion and other topics using an object-oriented approach

Grade 11/12 – Mastering Microsoft Excel

The Microsoft Excel Application course provides students with an opportunity to gain professional skills in developing spreadsheets, using worksheet formatting, working with basic formulas and functions, and creating various reporting documents from Excel data



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COMPREHENSIVE HEALTH AND PHYSICAL EDUCATION

Grade 9/10/11/12 – Physical Education

Physical Education courses provide students with knowledge, experience, and an opportunity to develop skills in more than one of the following sports or activities: team sports, individual/dual sports, recreational sports, and fitness/conditioning activities.

Grade 9/10/11/12 – Health

Topics covered within Health Education courses may vary widely, but typically include personal health (nutrition, mental health and stress management, drug/alcohol abuse prevention, disease prevention, and first aid) and consumer health issues. The courses may also include brief studies of environmental health, personal development, and/or community resources.

Grade 10/11 – Drivers Education

Drivers' Education—Classroom Only courses provide students with the knowledge to become safe drivers on America's roadways. Topics in these courses include legal obligations and responsibility, rules of the road and traffic procedures, safe driving strategies and practices, and the physical and mental factors affecting the driver's capability (including alcohol and other drugs).

WORLD LANGUAGES

Grade 9 – World Language I (Spanish I)

Designed to introduce students to Spanish language and culture, Spanish I courses emphasize basic grammar and syntax, simple vocabulary, and the spoken accent so that students can read, write, speak, and understand the language at a basic level within predictable areas of need, using customary courtesies and conventions. Spanish culture is introduced through the art, literature, customs, and history of Spanish-speaking people.

Grade 10 – World Language II (Spanish II)

Spanish II courses build upon skills developed in Spanish I, extending students' ability to understand and express themselves in Spanish and increasing their vocabulary. Typically, students learn how to engage in discourse for informative or social purposes, write expressions or passages that show understanding of sentence construction and the rules of grammar, and comprehend the language when spoken slowly. Students usually explore the customs, history, and art forms of Spanish-speaking people to deepen their understanding of the culture(s).

Grade 11/12 – World Language & World Cultures (Spanish)

This course continues the sequential study begun in Spanish I and II. Emphasis is placed on vocabulary development, advanced grammar, speaking, and listening. Further understanding and appreciation of Spanish culture is stressed.



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VISUAL, PERFORMING AND PRACTICAL ARTS/CAREER ARTS

Grade 9/10/11/12 – Art

Comprehensive Art courses provide students with the knowledge and opportunity to explore an art form and to create individual works of art. These courses may also provide a discussion and exploration of career opportunities in the art world. Initial courses cover the language, materials, and processes of a particular art form and the design elements and principles supporting a work of art. As students advance and become more adept, the instruction regarding the creative process becomes more refined, and students are encouraged to develop their own artistic styles. Although Creative Art courses focus on creation, they may also include the study of major artists, art movements, and styles.

Grade 9/10/11/12 – General Music I & II

Students learn about music and its relationship to society through investigation of music from a variety of styles, genres, and historical periods. This study enables students to make connections with art, dance, and drama, as well as with other content areas. Keyboard, drums, and percussion incorporated.

Grade 9/10 – 21st Century Career, Family, Life (CFL)

Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information and help students in their career decisions regarding family and quality of life.

Grade 11/12 – Career Education

Career Exploration courses help students identify and evaluate personal goals, priorities, aptitudes, and interests with the goal of helping them make informed decisions about their careers. These courses expose students to various sources of information on career and training options and may also assist them in developing job search and employability skills.

Grade 9/10 – Service Learning I & II

Human Services—Workplace Experience courses provide students with work experience in a field related to the provision of human services. Goals are typically set cooperatively by the student, teacher, and employer (although students are not necessarily paid). These courses may include classroom activities as well, involving further study of the field or discussion regarding experiences that students encounter in the workplace.

Grade 9/10/11/12- Leadership I, II, III, IV

What makes people want to follow a leader? Why do people reluctantly comply with one leader while passionately following another to the end of the earth? What separates leadership theorists from successful leaders who lead effectively in the real world? The answer lies in the character qualities of the individual person. The 21 Irrefutable Laws of Leadership will help students understand that becoming a leader takes time. They will learn over 4 years that the law of process says that leadership develops daily, not in a day. Understanding leadership and actually doing it are two different activities and students will be exposed to and engaged in quality leadership activities. Participation in senior community service project is required.



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Grade 12 - Yearbook

Students refine publication skills and assume major management responsibilities for the production of the yearbook. In addition, they assist in the orientation and training of less experienced staff. Some assignments may include tasks outside of class time. Students may expect to invest out-of-class time each week completing assignments.

ELECTIVES AND OTHER COURSES*

Grade 9/10/11/12 – Elective Option I / II / III/ IV

Using our online resources students will have access to several elective offerings including:

- Plumbing Technology I / II
- Electrical Technology I / II
- HVAC-Refrigeration I / II
- Business Management
- Principles of Business, Marketing, and Finance
- Medical Terminology
- Computer Science / Computer Programming
- Psychology
- Investigating Careers

**Please note that course offerings are subject to change and others may be added.*

ECONOMICS, BUSINESS, ENTREPRENEURSHIP, FINANCIAL LITERACY

Grade 9/10/11/12 – Entrepreneurship I / II

Entrepreneurship courses acquaint students with the knowledge and skills necessary to own and operate their own businesses. Topics from several fields typically form the course content: economics, marketing principles, human relations and psychology, business and labor law, legal rights and responsibilities of ownership, business and financial planning, finance and accounting, and communication. Several topics surveyed in Business Management courses may also be included.

Grade 9/10/11/12 – Finance and Global Economics

Finance courses are similar to Banking and Finance courses, but they focus specifically on finance, addressing how businesses raise, distribute, and use financial resources while managing risk. Course content typically involves modeling financial decisions (such as borrowing, selling equity or stock, lending or investing) typically undertaken by businesses.

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21 Indispensable Qualities of a Leader

CHARACTER CHARISMA COMMITMENT COMMUNICATION COMPETENCE COURAGE DISCERNMENT FOCUS GENEROSITY INITIATIVE	LISTENING PASSION POSITIVE ATTITUDE RELATIONSHIPS PROBLEM SOLVING SECURITY RESPONSIBILITY SERVANTHOOD SELF-DISCIPLINE TEACHABILITY
VISION	

What is your deepest fear?

*Our deepest fear is not that we are inadequate.
Our deepest fear is that we are powerful beyond measure.
It is our light not our darkness that most frightens us.
We ask ourselves, who am I to be brilliant, gorgeous,
talented and fabulous?*

*Actually, who are you not to be?
You are a child of God.
Your playing small does not serve the world.
There's nothing enlightened about shrinking so that other
people won't feel insecure around you.*

*We were born to make manifest the glory of
God that is within us.*

*It's not just in some of us; it's in everyone.
And as we let our own light shine,
we unconsciously give other people
permission to do the same.*

*As we are liberated from our own fear,
Our presence automatically liberates others.*

—Marianne Williamson