



Curriculum Guide 2010-2011

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Chartered by the State of Ohio as a college preparatory high school

Member:

National Catholic Education Association
North Central Association of Colleges and Schools
College Entrance Examination Board
Ohio Catholic School Accrediting Association
North American Ursuline Educational Services

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ACADEMIC POLICIES

St. Ursula Academy is a college-preparatory school that offers an intensive four-year program in the fields of religion, English, social studies, mathematics, science, French, Spanish, Latin, as well as art, design, music, and theatre. All courses are college-preparatory, some subjects offer an honors level, and there are many Advanced Placement courses. The assistant principal and guidance counselors plan the program of each freshman by considering her elementary school achievement and her performance on the entrance examination. Each year the individual student's program is reviewed, evaluated, and directed according to her abilities and interests. A student is encouraged to select a program that includes subjects taught at different levels of difficulty. Certain upper-level courses, however, demand that the student has attained a particular average in the lower-level courses of the same field, or approval of the department.

GRADUATION REQUIREMENTS

Students prepare for a baccalaureate program in order to receive a college-preparatory diploma upon completion of a minimum of 23.00 units of credit including the following:

Religion	4
English	4
Mathematics	3 (4 for the class of 2014 forward)
Science (3 units)	3
Foreign Language	3
Social Studies	3
Health/Physical Education	1
Fine Arts	1
Elective Courses	1

Additional units of credit may be taken in English, mathematics, computer technology, science, world languages, the fine arts, social studies, and other electives. Required mathematics courses are Algebra 1, Algebra 2, and Geometry. Required science courses are Biology, Chemistry, and one other laboratory science. A student must take three years of the same foreign language. Required social studies courses are Europe & the Mid-East; Africa, Asia & the Americas; U.S. History; American Government; and Economics. Religion is required each year. One unit of health and two units of physical education are required.

ADVANCE PLACEMENT (AP) COURSES

Students must be recommended by the appropriate teacher/department to enroll in an Advanced Placement course. Students who elect to take AP courses in junior and/or senior year will be billed an additional amount for the exam. The College Board determines the fee for the exam. Students who are enrolled in AP courses are required to take the AP exam for that course.

EDUCATIONAL SERVICES PROGRAM for Students with Learning Disabilities and AD/HD

Saint Ursula Academy offers a program for college-bound, highly motivated young women with dyslexia and other learning disabilities. Students in the Educational Services Program are mainstreamed into the regular college-preparatory curriculum. However, program participants benefit from a number of special modifications and services that demonstrate St. Ursula's commitment to providing a successful college preparatory experience for learning disabled students. The special modifications and services include tutoring, course-work support, diagnostic testing, textbooks on CDs, Kurzweil reader, AP tests administered orally, OGTs, PSAT, SAT and ACT available on cassette tapes or DVDs, extended examination and testing periods, oral examinations and tests read by tutor, and the use of a tape or digital recorder to record class notes. Students enrolled in the Educational Services Program will be billed additional fees for participation in the program.

GRADING

Any system of grading is at best a relative measure of a student's progress in a particular area of study. It is important that both students and their parents understand this relativity so that they neither weigh the grades too heavily nor ignore them altogether. It is also important that they understand the alpha system

of grading used at St. Ursula Academy. Honors and AP courses at St. Ursula Academy are weighed at a higher point value than the college-preparatory courses. Additionally, 1/2-credit and 1/4-credit courses are weighted appropriately in computing a grade point average. The following system is used; the numeric equivalents are given for comparison purposes:

Grade Value	Numeric Equivalent	College Prep	Honors	Advanced Placement
A+	97-100	4.33	4.83	5.33
A	93-96	4.00	4.50	5.00
A-	90-92	3.67	4.17	4.67
B+	87-89	3.34	3.84	4.34
B	83-86	3.00	3.50	4.00
B-	80-82	2.67	3.17	3.67
C+	77-79	2.34	2.84	3.34
C	73-76	2.00	2.50	3.00
C-	70-72	1.67	2.17	2.67
D+	68-69	1.34	1.84	2.34
D	65-67	1.00	1.50	2.00
F	0-64	0.00	0.00	0.00

GRADE POINT AVERAGE

Grades from all courses are weighted and averaged for the GPA and the honor roll. The GPA takes into account the amount of credit a course receives as well as any honors or AP weighting. The exam grade is included in the term grade for each course. Summer school courses (enrichment or remedial) or any make-up courses are not included in the GPA. A failing grade in a course is counted in the GPA. Credit is awarded for a successful make-up course, but make-up work is not counted in the GPA.

CLASS RANK

St. Ursula Academy does not report class rank because of our selective population. Class rank is useful in comprehensive high schools in which the entire range of abilities is present. Such is not the case in schools like St. Ursula who only accept students in the college preparatory curriculum.

SCHEDULING

Each year the individual student has the opportunity to review and evaluate her academic program with her teachers and guidance counselor. The student prepares her list of requests for the following school year and submits it in writing to her counselor. The assistant principal confers with the head of each department (as needed) to confirm placement of students. The guidance counselors are consulted as changes are planned. Certain upper-level courses require that the student has attained a particular average in the lower-level courses of the same field. In order to schedule an honors course, the student must have permission from the required teacher/department and her guidance counselor. She must have permission from the assistant principal to schedule more than three honors courses. The assistant principal oversees the student scheduling process and gives the final approval to all schedules.

SCHEDULE CHANGES

- Students need to take course selection seriously and understand that curriculum and staffing decisions are based on student course selection. **For that reason, there will be no changes to course requests after June 1, except for very serious reasons.**
- Students who will be applying to college in the fall should consider what courses will be needed to gain admission to a college or a program **before** completing their course request sheet.

- After course requests are submitted in March, schedules will only be changed upon the approval of the assistant principal and counselor. Naturally, all changes are contingent on course availability and class size.
- If a student is approved and scheduled for a course, she will be expected to complete the course.
- After the first week of the first term, students may only drop classes with the permission of the assistant principal and guidance counselor. Parents and teachers of the dropped and added courses must also sign off on the change. Students who drop courses after the first week will receive a grade of WP or WF (withdrawn passing or withdrawn failing) for the class.

Course Offerings - 2010-2011

Religion

Hebrew Studies/Christian Testament
Church/ Faith & Sacraments
Morality
Social Justice
Christian Lifestyles
Prayer
World Religions

English

Literary Genres
Honors Literary Genres
British Literature
Honors British Literature
American Literature
Honors American Literature
World Literature
AP English Literature & Composition*
Contemporary Literature
Shakespeare: Text & Theatre
Creative Writing
Critical Thinking/Personal Essay
Honors Seminar[#]

Mathematics

Algebra 1
Honors Algebra 1
Geometry
Honors Geometry
Algebra 2
Honors Algebra 2
Algebra 3/Trigonometry
Pre-Calculus
Honors Pre-Calculus
Probability & Statistics
Honors Calculus
AP Calculus AB*
Honors Seminar[#]

Computer Technology

Information Technology
AP Computer Science 1*
AP Computer Science 2*
21st –Century Communication:
Info Tech/Public Speaking[#]

Science

Geophysics
Biology
Honors Biology
Chemistry
Honors Chemistry
Physics
AP Biology*
AP Chemistry*
AP Physics B*
AP Environmental Science*
Anatomy & Physiology

Social Studies

Europe & the Middle East
Africa, Asia & the Americas
Honors Africa, Asia & the Americas
United States History
AP United States History*
American Government
AP United States Government &
Politics*
AP European History*
AP Psychology*
Psychology
Economics
The World Today
Cincinnati History

World Languages

French 1
French 2
French 3
French 4 Conversation
French 4 Honors
AP French Language*
Advanced French Honors Seminar
Latin 1
Latin 2
Latin 3
Latin 4 Honors
AP Latin: Vergil*
Spanish 1
Spanish 2
Spanish 3
Spanish 4 Conversation
Spanish 4 Honors
AP Spanish Language*
Advanced Spanish Honors Seminar

Health & Physical Education

Health
Physical Education
Phys Ed Electives:
Outdoor Sports
Recreational Activities
Lifetime Fitness
Sportsmetrics/Training

Art & Design

Art & Design Foundations 1
Art 2
Design 2
Art 3
Design 3
Art 4
AP Studio Art*
Design 4
AP Art History*
Photography
Ceramics

Music

Freshman Chorus
Freshman Guitar
Chorus
Concert Choir
Vocal Ensemble
Beginning Guitar
Orchestra
Music Appreciation
Music Theory and Composition 1
Music Theory and Composition 2

Theater

Theater History & Appreciation
Freshman Acting
Acting 1 (for sophomores, juniors or seniors)
Acting 2
Acting 3
Technical Theatre
Music Theatre Workshop
Advanced Communications
21st-Century Communication:
Public Speaking/Info Tech[#]

Educational Services Program

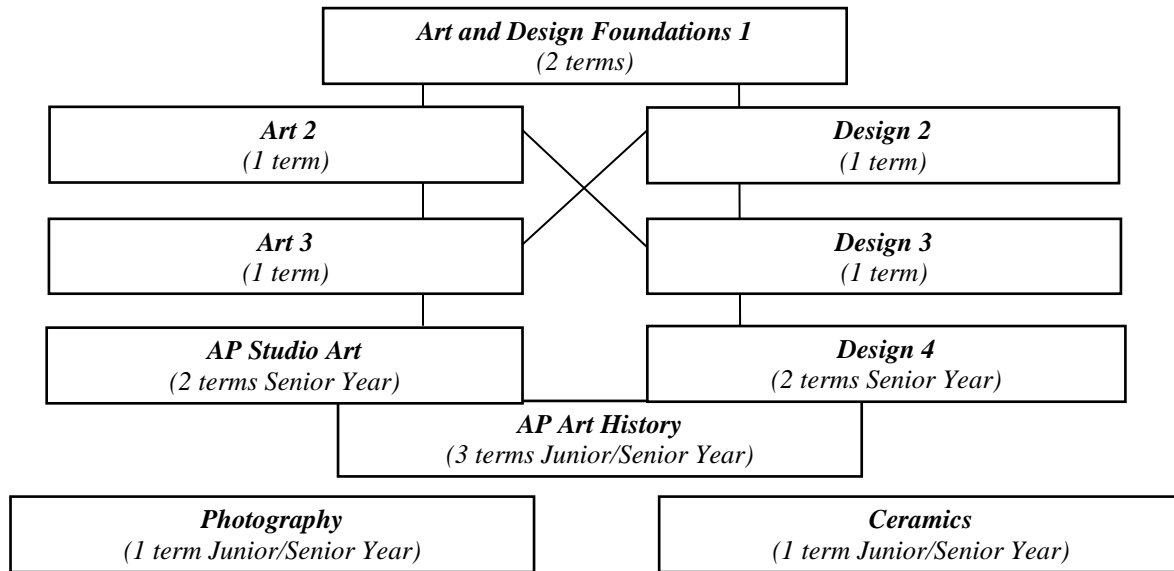
Academic Tutoring

Refer to the Curriculum Guide for the number of terms and prerequisites.

** Denotes Advanced Placement® course.*

Denotes interdisciplinary course.

ART AND DESIGN DEPARTMENT



ART AND DESIGN FOUNDATIONS (2 terms, 1 credit)

This studio course teaches the art and design foundations necessary to continue in art and design; it covers freehand drawing from life, the elements and principles of design and color theory to develop the student's perception, dexterity, language and understanding of the creative process.

ART 2 (1 term, ½ credit)

This studio course will broaden and deepen foundational skills; drawing and design skills will be expanded; elements and principles of three-dimensional form will be explored more deeply; visits will be made to the local art museums.

DESIGN 2 (1 term, ½ credit)

This studio course builds on design foundations to increased visual problem solving; includes three-dimensional design skills and concepts as they relate to rudimentary architecture, industrial design, fashion, interior and graphic design. The history of design from Pre-history to the Middle Ages is introduced.

ART 3 (1 term, ½ credit)

This studio course expands basic skills into increasingly complex and challenging projects; 2-dimensional, 3-dimensional, and digital projects will be presented. Field trips to our city's fine art museums and cultural centers will be part of the course. Students with an interest in the AP Studio Art course should take this course, as they will begin to work on their AP portfolio requirements.

DESIGN 3 (1 term, ½ credit)

This studio course focuses on more complex visual literacy challenges; introduces photography and typography; includes working with a variety of techniques and media such as drawing and Adobe Illustrator, Photoshop and In-Design Suite. The history of design from the Middle Ages to Modern Times is continued.

AP STUDIO ART (2 terms, 1 credit)

In this studio course students develop their AP Studio Art portfolio to be submitted for evaluation in the national scoring. Students may be interested in pursuing the Visual Arts at the college level, but this is not expected; class and individual projects will be presented; students will pursue and individually

proposed thematic group of artworks. Students will be expected to complete a professional portfolio that exhibits both a wide scope of skill and a developed conceptual concentration. Field trips to our city's fine art museums and cultural centers will be part of the course.

DESIGN 4 (2 terms, 1 credit)

This studio course prepares students to study Design at the college level. The professional presentation and production process is learned through contact with actual clients and projects. Individual interests in all major design fields are targeted as the student learns through onsite fieldtrips and produces a college-ready portfolio. The history of design from the beginning of the 20th Century to today concludes.

AP ART HISTORY (3 terms, 1 ½ credits)

AP Art History is stand alone course where upper level students can gain an understanding of Art's robust history with or without having taken studio art or design courses. It is designed to give the upper-level high school student a broad overview of our rich 30,000 year (and growing) history in the visual arts and prepare the student to successfully complete the AP Art History exam. While this course will mainly focus on art within the European tradition, we will also include examinations of art from the ancient Near East, Egypt, Islam, Africa (beyond Egypt), the Americas, Asia, and Oceania. In this study of history, we will examine the breadth of human visual artistic expression including paintings and drawings, prints, sculpture, architecture, and other media. Frequent visits to our city's notable art museums and rich cultural centers are required. Various presentation formats including lecture, PowerPoint, videos, individual presentations, topical discussions, and hands-on activities will be utilized to achieve successful learning. Technology will aid student learning through Internet research and our textbook's companion site activities.

PHOTOGRAPHY (1 term, ½ credit)

This studio course elective will investigate the basics of digital photography. We will examine composition, lighting, and subject matter. Students will learn the basics of digital photographic editing, as we pursue image making in both black and white and color modes. Students will need to provide their own digital camera. Substantial work outside the classroom will be expected of the successful student. Only juniors and seniors will be admitted into this course

CERAMICS (1 term, ½ credit)

This studio course elective will explore the tactile world of ceramics. Multiple hand-building techniques will be accomplished. Class projects will include 3-dimensional forms such as vessels, reliefs, and small sculptures. Students will learn about the composition of clays and glazes, as they improve their technique. Only juniors and seniors will be admitted into this course.

COMPUTER TECHNOLOGY DEPARTMENT

21st-CENTURY COMMUNICATION – Public Speaking/Info Tech (Ninth Grade, 1 term, ½ credit, required)

This is a one term required course for freshmen. Course content involves writing, critical thinking, and integration of media into presentations and public speaking. In addition to refining technology skills, students develop poise and confidence in their ability to speak effectively to small or large groups.

AP COMPUTER SCIENCE I & II (Eleventh or Twelfth Grade, 1 term each, ½ credit)

Prerequisite: Recommendation of the Computer Technology Department

This one term course is for students who are interested in learning more about computers and computer programming, specifically Computer Science, Computer Engineering, Electrical Engineering, and Computer Information Systems. These fields rely on the ability to solve problems using various computer skills and this class aims to strengthen these abilities. In this course, the student will learn problem-solving methods using the Java programming language. Learning the computer language syntax can be very tedious for a student new to programming, so in this course the student will be exposed to creating programs on a basic level. In this way, the student will learn these methods and syntax through program

development, classroom lectures, and programming projects. The course will be evaluated based on lab exercises, homework, projects, quizzes, and tests. Each of these courses is one term in length. It is required to take AP CS I before AP CS II; however it is not required to take them back to back.

ENGLISH DEPARTMENT

- *The following chart shows the required core courses in English. Students take either the courses in the college-prep column OR the courses in the honors column, as approved by the department.*

Grade Level	College Preparatory	Honors
Freshmen	Literary Genres	Honors Literary Genres
Sophomores	British Literature	Honors British Literature
Juniors	British Literature	Honors British Literature
Seniors	World Literature	AP English Literature & Composition

- *Any student who chooses them during her junior or senior year may take elective courses. See descriptions below for full details. Elective courses include: Contemporary Literature, Creative Writing, Critical Thinking & Personal Essay, Honors Seminar, and Shakespeare: Text & Theatre.*

LITERARY GENRES

(Ninth Grade, 4 terms, 1 credit, Required)

This course is an introduction to the high-school English program. Content includes distinguishing literary genres, providing a sound basis in grammar and composition, expanding vocabulary, promoting correct spelling and the use of proper mechanics in writing. The short story, the novel, poetry, and drama are the main topics of literature study. Formal essay writing is the main goal of composition instruction, yet students practice creative writing skills as well. Research skills are introduced. Each student presents a formal speech to the class.

BRITISH LITERATURE

(Tenth Grade, 2 terms, 1 credit, Required)

The focus in this course is to familiarize the student with representative works of British authors from all major periods of British Literature from the Anglo-Saxon times to the twentieth century. Students will be called upon to utilize their knowledge of literary terms and literary genres in the framework of a chronological study of literature. The student will continue to read literature analytically, to develop critical and expository writing, to expand knowledge of vocabulary, and to learn OGT and SAT attack skills. Research skills are further developed. Each student will present a formal speech to the class.

BRITISH LITERATURE

(Eleventh Grade, 2 terms, 1 credit, Required)

This course focuses on British authors, asking the student to read critically and thoughtfully. Students will write themes on topics of literary analysis and improve general reading and study habits. They will read representative works of British authors from all major periods of British Literature from the Anglo-Saxon times to the twentieth century. Students will be required to use library skills in preparing presentations and projects and will expand their vocabulary skills. A research-based analytical essay is written. Each student will present a formal speech to the class.

WORLD LITERATURE

(Twelfth Grade, 2 terms, 1 credit, Required)

The diverse literature that students read in this course provides an opportunity to explore the richness of other cultures and times. Students will read, discuss, and respond to a variety of literary genres,

techniques, themes and modes. Students will build upon previously mastered skills as they write formal literary essays and a research-based essay, read critically and thoughtfully, write themes on literary and personal topics, and present a formal speech to the class.

HONORS LITERARY GENRES

(Ninth Grade, 2 terms, 1 credit, Required)

Prerequisite: Recommendation of the English Department based on test scores and writing sample

This course is an introduction to the school's English Honors program. Content includes distinguishing the literary genres of short story, poetry, novel, and drama, as well as writing formal essays that are structurally and stylistically sound. Each student presents a speech to the class. Skills required to write a research paper are introduced. In this course, the students are required to read critically and thoughtfully, to develop a critical vocabulary and critical skills; to experiment with techniques, topics, skills, and various kinds of writing; and to participate in self-editing and peer response.

HONORS BRITISH LITERATURE

(Tenth grade, 2 terms, 1 credit, Required)

Prerequisite: Recommendation of the English Department

This course is a survey of British literature from Anglo-Saxon to modern times. Course content includes expanding vocabulary, strengthening SAT and OGT strategies, developing critical and analytical reading skills, and developing both breadth and depth in reading as background for the Advanced Placement course in English Literature and Composition. Students develop skills in writing the expository essay and the research paper. Each student also presents a persuasive speech to the class.

HONORS BRITISH LITERATURE

(Eleventh Grade, 2 terms, 1 credit, Required)

Prerequisite: Recommendation of the English Department

This course is a survey of British literature from Anglo-Saxon to modern times. Course content includes expanding vocabulary, strengthening SAT strategies, developing more sophisticated critical and analytical reading skills, improving skills in literature-based analytical and creative writing, and developing both breadth and depth in reading as background for the Advanced Placement course in English Literature and Composition. Each student writes a research paper and presents a persuasive speech to the class.

AP ENGLISH LITERATURE & COMPOSITION

(Twelfth Grade, 3 terms, 1.5 credits, Required)

Prerequisite: Recommendation of the English Department

This course focuses on the development of the skills in critical reading and writing necessary to prepare students for the Advanced Placement Examination in English Literature and Composition given by the College Board in mid-May. Students are required to experiment with techniques, topics, skills, and kinds of writing; and to participate in self-editing and peer response. The course incorporates the use of a college level literary anthology and requires a considerable amount of outside reading.

ELECTIVES

CONTEMPORARY LITERATURE

(Eleventh or Twelfth Grade, 1 term, ½ credit, Elective)

The purpose of this class is to read and discuss selected fiction by contemporary authors; to sharpen thinking, reading, and writing skills; to develop criteria for judging contemporary literature; to discover various periodical sources of contemporary literature; to view and critique film adaptations of contemporary literature.

CREATIVE WRITING

(Eleventh or Twelfth Grade, 1 term, ½ credit, Elective)

The purpose of this class is to enable students to express in written form their unique experiences, ideas and opinions. Although the focus is on producing original works of prose and/or poetry, students will read selections of classical and contemporary literature in order to analyze the components of style that

characterize good writing. The course culminates in a portfolio which demonstrates improvement upon revision.

**SHAKESPEARE: Text & Theatre
(Eleventh or Twelfth Grade, 1 term, ½ credit, Elective)**

Students conduct a close, textual analysis of one or two plays per term based on the Cincinnati Shakespeare Festival's season. The class identifies the major interpretive problems of each play and proposes theatrical solutions to the problems. To accomplish this, students will be instructed to read the play not only for information and theme, or as 16th century poetry, but also as signals for actors, directors, and designers. Students will theatrically re-imagine the plays and present their own solutions by writing, designing, and acting. Students will be provided the opportunity to view live and videotaped versions of the plays studied, analyze the choices of those productions, as well as participate in question/answer sessions and acting workshops with The Cincinnati Shakespeare Festival.

**CRITICAL THINKING/THE PERSONAL ESSAY
(Eleventh Grade, 1 term, ½ credit, Elective)**

Note: Students in this course will need to purchase an SAT Guidebook and a vocabulary book for this course.

This course provides students with the tools to successfully navigate the redesigned SAT, including the required essay. After receiving instruction in content areas, students take and analyze practice tests. In addition to providing strategies to refine their test-taking skills, students focus on improving their vocabulary, critical thinking, usage, analysis and writing skills. Students also analyze personal essays from a variety of sources. They plan and write one personal essay tailored for college applications.

**CRITICAL THINKING AND PROBLEM SOLVING: HONORS SEMINAR
(Eleventh Grade, 1 term, ¼ English credit and ¼ Math credit, Elective)**

Prerequisite: Invitation

Note: Students in this course will have to purchase and use an SAT Study Guide for this course.

This interdisciplinary course taught by a math teacher and an English teacher provides students with the tools to both improve their PSAT scores and successfully navigate the redesigned SAT, including the required essay. After receiving instruction in content areas, students take and analyze practice tests. In addition to providing strategies to refine the students' test-taking skills, the Critical Thinking component of this course focuses on vocabulary, critical reading, usage, analysis and writing. The students are also introduced to guidelines for writing college entrance essays.

HEALTH / PHYSICAL EDUCATION DEPARTMENT

Health is offered during the freshman year, but students may take it any year. Students need to take two units of Physical Education to meet graduation requirements.

HEALTH (1 term, ½ credit, required)

Health is a one-term required class. The course of study includes wellness, nutrition, alcohol and tobacco awareness, illicit drug education, and sexually transmitted infections-including HIV and AIDS awareness. Red Cross certification in Adult, Child, and Infant CPR as well as First Aid training is included.

PHYSICAL EDUCATION (1 term, ¼ credit, 2 units required)

PHYSICAL EDUCATION I: Team/Individual Sports/Fitness (offered freshmen or sophomore years, but open to juniors and seniors).

ELECTIVES (1 term, ¼ credit; each fulfills ½ of the PE requirement)

OUTDOOR SPORTS: Biking, hiking, rock climbing, tennis, fishing/wilderness survival, outdoor recreational games, and field trips to local parks. Offered Terms 1 and 4.

RECREATIONAL ACTIVITIES: Matt ball, kick ball, capture the flag, flag football, indoor soccer, volleyball, basketball, unihockey, field hockey, lacrosse and a variety of team sports.

LIFETIME FITNESS: Weights, aerobics, pilates, yoga, bowling, self defense, tennis, golf, pickleball, badminton, cardio fitness, ballroom dance.

SPORTSMETRICS/TRAINING PROGRAM The training program will include the following components: Dynamic warm up, plyometric training, speed and agility training, strength training and flexibility training.

MATHEMATICS DEPARTMENT

The following table shows possible class sequencing for a student in mathematics at St. Ursula Academy. Credits in Algebra 1, Algebra 2 and Geometry are required for graduation.

Year	College Prep			Honors		
	Option 1	Option 2	Option 3	Option 1	Option 2	Option 3
Freshman	Algebra 1	Algebra 1	Algebra 1	Algebra 1 Honors	Algebra 1 Honors	Geometry Honors
Sophomore	Geometry	Geometry	Geometry	Geometry Honors	Geometry Honors	Algebra 2 Honors
Junior	Algebra 2	Algebra 2 and Pre-Calculus	Algebra 2	Algebra 2 Honors	Algebra 2 Honors & Pre-Calculus Honors	Pre-Calculus Honors
Senior	Pre-Calculus and/or Probability and Statistics (1 term)	Calculus Honors (see prerequisites) and/or Probability and Statistics (1 term)	Algebra 3-- Trigonometry	Pre-Calculus Honors and/or Probability and Statistics (1 term)	Calculus AP or Calculus Honors and/or Probability and Statistics (1 term)	Calculus AP or Calculus Honors and/or Probability and Statistics (1 term)

ALGEBRA 1 (4 terms, 1 credit, required)

The goal of Algebra 1 is to develop and extend problem-solving techniques, to recognize different situations and to apply appropriate methods to problem solving. This course introduces the concept of the variable. The focus is on operations; grouping, distribution, factoring, exponential laws, and radical properties. These are applied to simple equations and inequalities and extended to quadratic equations. Graphing in terms of x and y in the Cartesian plane is developed for linear and quadratic functions. Throughout the course the material is integrated into problem solving situations. *A graphing calculator is required.*

ALGEBRA 1 HONORS (4 terms, 1 credit, required)

This course is designed for those students with a high aptitude in math and a strong background in pre-algebra. The focus is on deeper understanding of algebraic theory and its application to problems. The pace is deliberately quicker than the college-prep class. In addition to the topics taught in Algebra I, students will be expected to use real number properties and axioms in rigorous proofs of various properties, use quadratic equations to find maximum and minimum values, solve linear systems of equations and related problems in three variables, and solve radical equations with two radicals. Graphs of exponential functions will also be explored. *A graphing calculator is required.*

GEOMETRY (2 terms, 1 credit, required)

Prerequisite: Algebra I

This college-prep course includes the topics of classical geometry: relationships in triangles, right triangles, classification of polygons, congruence and similarity of polygons, angles associated with circles, symmetry, constructions with compass and straightedge, rotations, translations, reflections, dilations, areas of plane figures, and volumes of solid figures. The material will be used to solve a variety of problems, including algebraic. The emphasis will be on developing an axiomatic system of mathematics in order to further develop the student's logical thinking skills. To this end, proofs of theorems will be an important component of this class.

GEOMETRY HONORS (2 or 4 terms, 1 credit, required)

Prerequisite: Algebra I and teacher recommendation

This course will include all of the topics covered in Geometry but will move at a more rapid pace. The student will also be expected to complete more difficult problems and proofs. The Geometer's Sketchpad program will be used extensively in order for students to make inductive discoveries in geometry. Additional topics apart from Geometry would be: combinations of rotations, translations, reflections, and dilations, and, also, tessellations. A variety of projects will also be used to apply geometry to non-traditional topics.

ALGEBRA 2 (2 terms, 1 credit, required)

Prerequisite: Geometry

This course reviews and extends the concepts of Algebra 1. Linear and quadratic functions are emphasized even more, and polynomial, exponential, logarithmic functions, and the conic sections are also introduced. There is also greater emphasis placed on the relationship between equations and their graphs so that the graph may be used to interpret what is happening in a problem. If time permits, sequences and series will be introduced. *A graphing calculator is required.*

ALGEBRA 2 HONORS (2 terms, 1 credit, required)

Prerequisite: Geometry Honors and teacher recommendation

This course continues the advanced preparation of students with high math aptitude and interest. It reviews and extends the concepts of Algebra 1 Honors. The focus is on a deeper understanding of the theories and their applications, but will also stress the relationship of equation to graph. One of the goals of the course is to help select and prepare students for the Calculus AP course. Successful students should not only have aptitude, but interest and commitment. Objectives beyond the college prep curriculum include working with determinants to solve linear equations in two and three variables. *A graphing calculator is required.*

ALGEBRA 3/TRIGONOMETRY (Twelfth grade, 2 terms, 1 credit, elective)

Prerequisite: Algebra II

This class is for seniors who wish to continue in their mathematics education but do not wish to take Precalculus. The course will continue to develop the algebra skills necessary for college, concentrating on linear equations, linear functions, polynomial functions, rational functions, exponential functions, and logarithmic functions and their applications. The course will continue with a study of trigonometric functions and their applications. Students who take this course are not eligible to take Precalculus later.

PRE-CALCULUS (2 terms, 1 credit, elective)

Prerequisite: Algebra II

This college-prep course prepares the student for a transition to college-level mathematics courses. The course will cover two main topics—Analytic Geometry & Trigonometry. In the analytic geometry portion, the students will learn about the characteristics of the graphs of several basic function types including polynomial, rational, exponential, and logarithmic. The student will also learn about the applications of these functions. In the trigonometry portion, the student will learn about the six trig functions, including characteristics of the graph of these functions, right triangle definitions, unit circle definitions, and applications of both right and non-right triangles. *A graphing calculator is required.*

PRE-CALCULUS HONORS (2 terms, 1 credit, elective)

Prerequisite: Algebra II Honors and teacher recommendation

This is a very demanding course both in content and amount of work involved. Students who successfully complete this course will be able to rise to the demands of the Advanced Placement Calculus class. This course will take all of the concepts in the college prep Pre-Calculus class and examine them in more detail. Special emphasis will be given to the trigonometric functions and their applications. In addition, there will be more emphasis on applying functions to actual situations through the use of written projects. Additional topics include polar coordinates and regression analysis. *A graphing calculator is required.*

PROBABILITY AND STATISTICS (Eleventh or Twelfth Grade, 1 term, ½ credit, elective)

Prerequisite: Algebra II

This course covers the various aspects of descriptive statistics including histograms, mean, median and mode, stem-and-leaf diagrams, variance, mean deviation, standard deviation, T-scores, and z-scores. In addition, elementary probability and probability distributions are covered.

HONORS CALCULUS (Twelfth Grade, 2 terms, 1 credit, elective)

Prerequisite: Precalculus CP or Honors and teacher recommendation. Precalculus CP students need to have an A average.

This course is intended to provide an introduction to the concepts of Calculus that would be found in a college course. The student will learn the various techniques of differentiation and applications of the derivative. In addition, some of the techniques of integration will be explored, along with applications to area and volume of non-regular figures. This course will provide a background in calculus so that students will have some exposure to the basic ideas before they take a college level course. *A graphing calculator is required.*

CALCULUS—ADVANCED PLACEMENT (Twelfth Grade, 3 terms, 1.5 credits, Elective)

Prerequisite: Precalculus Honors and teacher recommendation

This course is designed for those students who have completed the honors program and have demonstrated aptitude, interest, and commitment. The course follows the AP Calculus AB syllabus, as published and revised by the College Board. Differential calculus is introduced with the concept of the instantaneous limit of the function. It is used to define the derivative. Derivative rules are developed for various functions and combinations of functions. The concepts of differentiability and continuity are developed. Wide ranges of applications of the derivative are explored. Integral calculus seeks to reverse the differentiation process. Integration techniques are developed and applied to the definite integral to find lengths of curves, areas, volumes, and average values. One of the goals of the course is to have each student take the AP Calculus Exam in May and score 3, 4, or 5. Most universities accept these results as a completed course. There is an additional arrangement with Xavier University where the students take tests all year and receive credit directly upon satisfactory completion. *A graphing calculator is required.*

NOTE: To Remain in Math Honors Classes: *To determine a recommendation to remain in honors classes for the next math course, teachers will examine the student's following 4 grades from the current class—2 midterm grades and 2 end-of-term grades. If any two of these grades are below 80% (B-), the student will not be recommended to remain in the honors level. The student will remain in the current honors class until completion.*

Example: First midterm	90	
First term	85	
Second midterm	79	
Second term		92

Since only one grade is below 80% the student will be recommended for honors.

Example: First midterm		79
First term	82	
Second midterm	77	
Second term		95

Since two grades are below 80% the student will not be recommended for honors.

MUSIC DEPARTMENT

St. Ursula Academy offers a full four-year program in both vocal and instrumental music. Courses in Music Appreciation and Music Theory & Composition are also available. The chart below outlines the sequence of courses and the various options that a student may choose.

	Vocal Music	Instrumental Music	Appreciation / Composition
Freshman Year	Freshman Chorus	Orchestra* Freshman Guitar	Music Appreciation (1)
Sophomore Year	Chorus (1) Concert Choir Vocal Ensemble***	Orchestra* Beginning Guitar (1)	Music Appreciation (1)
Junior Year	Chorus (1) Concert Choir Vocal Ensemble***	Orchestra* Beginning Guitar (1)	Music Appreciation (1) Music Theory & Composition I (1)** Music Theory & Composition II (1)**
Senior Year	Chorus (1) Concert Choir Vocal Ensemble***	Orchestra* Beginning Guitar (1)	Music Appreciation (1) Music Theory & Composition I (1)** Music Theory & Composition II (1)**

*Requires audition

**Requires permission from the Music Director

***Requires audition & previous membership in a Music Department Ensemble

All courses are 2 terms (or the equivalent) except those indicated as (1) which are one term classes

FRESHMAN CHORUS (9th grade, all year, 1 credit, elective)

This class meets all year, every-other-day, alternating with a religion class.

Students in the Freshman Chorus will learn the fundamentals of music as well as proper vocal and choral techniques while studying music of various styles and eras in preparation for performing. Sight-singing skills will be introduced in this course and concert literature in two- and three-parts will be studied. The culmination of the course is a concert performance. Formal concert attire is required for participation.

FRESHMAN GUITAR (9th grade, 2 terms, 1 credit, elective)

Freshman Guitar is a course that will introduce the basics of guitar playing to interested students. Students will learn how to read traditional musical notation as well as guitar tablature and chord symbols. Both pick-style and fingerstyle techniques will be used to play popular songs, folk songs, and classical music. Students will also learn to play in an ensemble and will perform in a concert at the end of each term. Guitars are provided for students to use during class time; students will need to have a guitar to practice at home, preferably a 6-string (nylon or steel) acoustic guitar.

ORCHESTRA (9th, 10th, 11th, 12th grade, all year, 1 credit, elective)

Prerequisite: Audition is required. This class meets all year, every-other-day, alternating with a religion class.

This instrumental ensemble is a full orchestra consisting of string, woodwind, brass, and percussion instruments. Previous playing experience on an instrument is required. The orchestra performs a variety of music in the Christmas Carol concert and Spring Concert, accompanies the choral ensembles, performs in the tri-state area, and participates in a music festival or competition each year.

MUSIC APPRECIATION (9th, 10th, 11th, 12th grade, 1 term, ½ credit, elective)

This class is available to students who are interested in learning to listen to music of various styles throughout history, from the Middle Ages to the present time, including Western European art music and American popular styles of the 20th century. The course focuses on listening to the major styles, composers, and musical forms of each era.

CHORUS (10th, 11th, 12th grade, 1 term, ½ credit, elective)

One-term chorus students learn to perform music for participation in a concert presented at the end of the term. Music fundamentals, vocal and choral techniques, sight-singing and listening skills are developed throughout the course. Music in two- and three-parts is studied. Formal concert attire is required for participation.

CONCERT CHOIR (10th, 11th, 12th grade, all year, one credit, elective)

This class meets all year, every-other-day, alternating with a religion class.

The Concert Choir is for the singer who wishes to participate in performances throughout the school year, including the Christmas Concert and Spring Concert. More advanced literature in two and three parts is studied. Vocal and choral techniques are further developed in this course. Formal concert attire is required for participation.

VOCAL ENSEMBLE, SUAVE (10th, 11th, and 12th grade, all year, 1 credit, elective)

Prerequisite: Audition, Previous Membership in Music Department Ensemble

This class meets Monday through Thursday from 3:10—4:10 PM

The St. Ursula Academy Vocal Ensemble (SUAVE) is a select ensemble of 9-12 vocalists. SUAVE performs a variety of music for the Christmas Carol Program and Spring Concert, and tours extensively in the Tri-State area. The ensemble also participates in music festivals and competitions out-of-town each year. Students selected for membership in this award-winning group are expected to be serious choral singers with well-developed sight-singing and basic musicianship skills. They must be willing to devote numerous hours to rehearsing and performing. Formal concert attire is required for participation.

BEGINNING GUITAR (10th, 11th, 12th grade, 1 term, ½ credit, elective)

Beginning Guitar is a course that will introduce the basics of guitar playing to interested students. Students will learn how to read traditional musical notation as well as guitar tablature and chord symbols. Both pick-style and fingerstyle techniques will be used to play popular songs, folk songs, and classical music. Students will also learn to play in an ensemble and will perform in a concert at the end of the term. Guitars are provided for students to use during class time; students will need to have a guitar to practice at home, preferably a 6-string (nylon or steel) acoustic guitar.

MUSIC THEORY & COMPOSITION I (11th, 12th grade, 1 term, ½ credit, elective)

Prerequisite: Permission of the Music Director.

In this course students learn the fundamentals of music including scales, intervals, chords, rhythm, and meter for the purpose of composing music. Ear-training and music notation software will be used in this course. This class is recommended for those students who wish to learn the principles of music in order to compose music, understand the elements of music, or who plan to major in music in college.

MUSIC THEORY & COMPOSITION II / INTRO TO MUSIC TECHNOLOGY (11th, 12th grade, 1 term, 1/2 credit, elective)

Prerequisite: Successful completion of Music Theory & Composition I course.

This course is a continued study of the fundamentals of music with an emphasis on the manipulation of these materials for the purposes of analyzing, arranging, notating, scoring, composing, and recording music. This class is highly recommended for students who desire a greater depth of understanding of music and for those students who plan to major or minor in music in college.

RELIGION DEPARTMENT

URSULINE STUDIES: In Good Company: Learning and Living the Spirit of St. Angela Merici

St. Ursula Academy has created a four-year program of Ursuline studies entitled In Good Company: Learning and Living the Spirit of Angela Merici. This series of lessons and activities is integrated into the Religion curriculum.

Freshman Year: Learning Part 1: Becoming Familiar with Angela Merici

The program begins with the story of Angela Merici (1470-1540), a woman whose life and vision were extraordinary in their simplicity. Consideration will be given to the significant people in her life as well as to the cultural and societal realities of the world of Northern Italy where she lived. How did these individuals and this world impact on her? Special focus is given to what inspired her to found The Company of St. Ursula, later known as the Ursulines. What was so remarkable about this woman? What can her story offer to Christians today?

Freshman Year: Learning Part 2: Becoming Familiar with St. Ursula Academy

In this part of the program students learn the story of their school. The history of St. Ursula Academy and Convent begins with a guided walking tour of the campus. Back in the classroom students have opportunity to explore topics surfaced on the campus journey. Time is devoted to the stories of the sisters who were key in the founding of St. Ursula Academy in 1910: Mother Fidelis Coleman and Mother Baptista Freaner. Other topics to be covered include the Ursuline Coat of Arms, the Nine Ursuline Characteristics and the Mission Statements of both St. Ursula Academy and the Ursulines of Cincinnati.

Sophomore Year: Living Part 1: Ursulines of the Past

The story continues with a segment on St. Ursula and her Companions. Why did Angela Merici choose to name her community after this saint? Then Living Part 1 focuses on the lives of members of The Company of St. Ursula who have gone before us. How has the spirit of Angela Merici been lived by women of previous centuries? Students will be introduced to the lives of Marie Guyart (1599-1672) a mystic, wife and mother who lived in France and Canada; Elisabetta and Maddalena Girelli who lived in Italy in the nineteenth century and refounded The Company of St. Ursula in the spirit of Angela's original vision; Blandine Merten (1883-1918) an Ursuline of exceptional humility and simplicity from Germany; Ursula Ledochowska (1865-1939) from Poland who was the foundress of the Grey Ursulines. Special attention is given to Julia Chatfield (1809-1878) from England and France who is the foundress of the Brown County (Ohio) Ursulines from whom the Ursulines of Cincinnati are descended.

Junior Year: Living Part 2: Ursulines of the Present

The program now turns to the contemporary ministry of the Ursulines. How are Ursulines today living out the spirit of their foundress, Angela Merici? Ursuline sisters will visit to share about their various ministries with the hope of inspiring the students to be women for others, women of service. Students will research the lives of Sr. Dorothy Kazel (1939-1980) an Ursuline from Cleveland and other Ursuline sisters who gave their very lives (martyrs) for the sake of the Gospel. What was stirring in the hearts of these women that moved them to use their gifts so generously? Students will be asked to consider how Angela Merici would serve today in the new millennium. Keeping in mind that commitment to Christian service is one of the Ursuline Characteristics, students will reflect on the place of service in their own lives today. How and where can I challenge myself to grow in service? Students will be guided through a service learning experience by the staff of St. Ursula Academy's Community Service Office.

Senior Year: Living Part 3: Ursulines of the Future

The concluding part of the program returns to Angela Merici to reflect on her spirituality. Using the writings of Angela (Counsels, Testament, and Rule) students will seek to uncover the heart and soul of this woman of the Gospel. How did she uniquely respond to the call of Jesus? How will her life inspire me as I too seek to answer the Master's call? St. Ursula Academy alums will visit to share how Angela Merici has made a difference in their lives. These presentations will be a spark for discussion on what it means to be a member of the SUA community/company. What is my place in the sisterhood? How am I a member of the Company now? How can I live and share the spirit more fully? Reflecting again on the life of Marie Guyart (Blessed Marie of the Incarnation) students will seek to identify in her life the vision/spirit of Angela Merici. What were the challenges of living the spirit in her time? And what will be the challenges that I face in living the spirit of Angela Merici today?

RELIGION 1 (Ninth Grade, 2 terms, 1 credit, required)

Term 1 – HEBREW STUDIES

Understanding the Scriptures provides a basis for developing a Christian perspective toward life. Our understanding of God begins with the Hebrew Scriptures, examining the many facets of God's revelation to all people: in creation, in God's dealings with the Chosen People, and in God's promise of a Savior.

Included in the course work are such topics as: Introduction to the Hebrew Scriptures; Scientific vs. Religious Truth; Creation and Sin; the Patriarchs; Moses, the Exodus, and the Sinai Covenant; the Nation formed under Joshua, the Judges and the Kings; the Prophets; the Wisdom Literature.

Term 2 – CHRISTIAN TESTAMENT

Continuing her study of the Scriptures, the student now turns to the experience of Jesus and the development of the Christian community. Through this course, the student will gain a better understanding of how the Christian Testament was written for and by, and what it means for us in today's world. Special emphasis is given to the study of each of the four Gospels. A brief examination of Acts of the Apostles, the Epistles, and the Book of Revelation is also included.

RELIGION 2 (Tenth Grade, 2 terms, 1 credit, required)

Term 1 – CHURCH: The study of the Church is a continuation of the study of Salvation History examined in the two Scripture courses. The course is designed to help the student define what the Church is, based on a study of where it has been. This will lead to an understanding of the ideal Church and the responsibility of each member to make that ideal a reality. Much of this course deals with the history of the Catholic Church and includes units on: the Early Church, the Post-Apostolic Church, the Church in the Dark and Middle Ages, the Reformation, the Second Vatican Council and the Church today. The course will also present women role models in preparing the student to exercise leadership in the Church in a changing world.

Term 2 – FAITH AND SACRAMENTS: Students explore sacramental theology and practice by developing an awareness of the grace to recognize God's presence in their life and to celebrate God's gifts in the ritual and spirit of the sacraments with the Christian community. Students will be challenged to make God visibly and tangibly present to the world as they carry on the work of Jesus serving others and finding new life through the paschal mystery.

RELIGION 3 (Eleventh Grade, 2 Terms, 1 Credit, required)

Term 1 – MORALITY: This course explores the meaning of right and wrong in the student's life, examining the major principles of Catholic morality and Church teaching on key moral issues. The content provides the student with a systematic and thorough approach to conscience formation and the moral decision-making process. The course explores the question of how one knows what is good. In the Christian perspective, there are norms upon which the decisions are based. Further questions that are explored include: What is it that we can learn from Jesus? How do I make a decision? What does it mean to be a free human being, particularly in light of the Christian perspective on sexuality, judgment, forgiveness, and responsibility to self, neighbor, and God?

Term 2 – SOCIAL JUSTICE: One must not only struggle with her own moral choices, she must also critically study, evaluate, and respond to the many issues of injustice in society. In this course, the student will learn the principles of justice and peace, and apply them to current issues as she is challenged to build a better world. The course discusses the dignity of all human beings, basic rights and needs, solidarity, subsidiarity, and social structures. It deals with such issues as Prejudice, World Poverty and Hunger in America, Capital Punishment, Stewardship of the Environment, Violence, and Peace. Using resources such as speakers from local social service agencies, current films and publications, and experiential learning activities, the student will come to a fuller realization of her Christian response to some of the problems facing her in today's world. By recognizing and appreciating the dignity and self-worth of each individual, she will begin to see the commonality of all humanity and her responsibility to help create a more just world.

RELIGION 4 - (Twelfth Grade, Two Terms, 1 Credit, required) Christian Lifestyles and one of the two electives fulfill the graduation requirement.

Term 1– CHRISTIAN LIFESTYLES: The required course of the senior year considers how to create a Christian lifestyle. This course deals with freedom and self-actualization, and attempts to bring the student to an understanding of herself as a Christian woman aware of her God-given potential as it is

experienced in contemporary society. By taking a critical look at her own life as well as the lives of others, the student will discover the innate goodness and potential within each person. By looking to Jesus Christ as the ideal role model, the student will discover those areas in her life she needs to especially develop as she grows toward a future that is hopeful, healthy, and full. Topics included are: Dreams and Visions of Your Future; Identity and Autonomy; Love and Sexuality; Communication Skills; and an examination of the three lifestyle choices: Single Life, Religious Life, and Married Life.

ELECTIVES:

PRAYER

This course is designed to help the student explore the possibility of a deeper spiritual life and a closer relationship to God through prayer and the Catholic tradition. Content will include a study of what prayer is, kinds of prayer, relating to God, prayer styles, and techniques and methods in prayer. Emphasis in this course will be on student input and experience, with much time given to reflection, discussion, various student and teacher planned prayer experiences, and student presentations. An openness to a belief in God and appreciation and respect for Catholic and Christian traditions are prerequisites for this course.

WORLD RELIGIONS

This course explores the role of RELIGION in the lives of human beings, specifically as experienced by men and women of the major religious traditions. Through a brief study of Hinduism, Buddhism, Confucianism, Taoism, Islam and Judaism, we will seek to understand why human beings need religion and spirituality in their lives. This course will also place emphasis on the experiential components of religious life instead of the perspective of just belief or doctrine. Students taking this course must be interested in reflecting and building upon their own religious experience as well as listening to the experience of others.

SCIENCE DEPARTMENT

The following chart shows the sequence of courses for the Science Department. Biology, Chemistry and one other laboratory science are required for graduation.

	College Preparatory	Honors & Advanced Placement
Freshman Year	Geophysics	Honors Biology
Sophomore Year	Biology	Honors Chemistry
Junior Year	Chemistry	AP Biology AP Chemistry
Senior Year	Physics Anatomy & Physiology AP Environmental Science	AP Physics B

GEOPHYSICS (Ninth Grade, 2 terms, 1 credit, required)

This first year course integrates the fundamentals of Physics, Earth, and Space sciences. It is designed to provide a solid foundation for future science courses and prepares the student for the Ohio Graduation Test. The topics covered include the structure and classification of matter, energy, motion, forces, waves, and the dynamic systems of Earth and space. Students develop laboratory, critical thinking, and problem solving skills through the application of the scientific method.

BIOLOGY (Tenth Grade, 3 terms, 1 credit, Required)

Biology I is designed to provide students with a broad view of the biological sciences, and to help them develop an appreciation of life in its oneness and variety. Inquiry based learning fosters an increased awareness of the complexity and beauty of human life in itself and in its multiple relationships with other

life and the environment. Laboratory activities facilitate the development of critical thinking and sound laboratory skills. Biology includes the following topics: scientific method, molecular evolution of life, cytology and bioenergetics, genetics, survey of living things, ecology, and the study of human systems. The course emphasizes molecular and evolutionary aspects as unifying themes.

BIOLOGY HONORS (Ninth Grade, 3 terms, 1 credit, required)

Permission of the department

Biology 1 Honors covers the same topics as Biology 1. The course differs in that topics are pursued to a greater depth and at a more rapid pace and the expectations placed on the honors student are greater.

CHEMISTRY (Tenth or Eleventh Grade, 3 terms, 1 credit, required)

Chemistry presents the structure and changes that occur in matter along with the associated energy changes. It studies the basic theories and laws of chemistry and topics such as stoichiometry, atomic structure, the periodic table, the chemical bond, inorganic nomenclature, the structure of solids, liquids and gases, changes in state and solutions. Through extensive laboratory work, students develop safe laboratory technique and formal laboratory reporting. In the laboratory, direct observation and measurement lead to the discovery, development and further understanding of basic principles discussed in class. The use of mathematical and graphical means to analyze laboratory results is an important part of this course.

CHEMISTRY HONORS (Tenth Grade, 3 terms, 1 credit, required)

Prerequisite: Permission of the department

Chemistry Honors is an accelerated course. The course covers the same topics as College Preparatory Chemistry as well as advanced topics such as electrochemistry. Information is given in greater depth and the mathematical concepts are more complex.

AP BIOLOGY (Eleventh or Twelfth Grades, 3 terms, 1 credit, elective)

Prerequisite: Permission of the Department

Biology 2 is designed for students who have successfully completed Biology 1 and Chemistry and provides an in-depth sequence to Biology 1. The course seeks to further develop inquiry and laboratory skills, to foster individual research, to provide the conceptual framework and factual knowledge needed to understand current developments in the biological field, and to adequately prepare the students for the AP biology exam. The course covers three general areas: molecules and cells, genetics and evolution, and organisms and populations. Students supplement class material through the use of a variety of textbooks and the reading of current scientific journals. Laboratory exercises require individual research of topics, teamwork, skills to carry on lengthy procedures and the ability to report findings both orally and in writing.

AP CHEMISTRY (Eleventh or Twelfth Grades, 3 terms, 1 credit, elective)

Prerequisite: Chemistry Honors and approval of the department.

The AP Chemistry course is designed to be the equivalent of the general chemistry course usually taken during the first college year. Students will attain a deeper understanding of fundamentals and increased competence in dealing with chemical problems. The course will contribute to the development of the student's abilities to think critically and to express her ideas with clarity and logic. This course differs qualitatively from the Chemistry Honors course with respect to the kind of textbook used, the topics covered, the emphasis on chemical calculations and the mathematical formulation of principle, as well as the kind of laboratory work done by students. Quantitative differences appear in the number of topics treated, the time spent on the course by the student, and the nature and variety of experiments done in the laboratory. Topics such as the structure of matter, kinetic theory of gases, chemical equilibria, chemical kinetics, and basic concepts of thermodynamics will be presented in considerable depth.

AP ENVIRONMENTAL SCIENCE (Eleventh or Twelfth Grade, 3 terms, 1 credit, elective)

Prerequisites: Biology I & Chemistry

This AP course is designed to provide an introductory experience to foster an understanding of the interrelationships of the natural world. This course will examine natural and manmade environmental problems, and study possible solutions for resolving and preventing these problems. This laboratory

science course takes an interdisciplinary approach to these topics and is designed to prepare students for the advanced placement examination which may fulfill a basic requirement for a laboratory science as first-year college students.

PHYSICS

(Eleventh or Twelfth Grade, 3 terms, 1 credit, elective) *Prerequisite: concurrent or completion of Algebra 2.*

This course is designed to develop in the student an understanding of the principles underlying the interaction of matter, the resulting motions, and the forces and energy involved. It requires a solid foundation in algebra and geometry as well as a basic knowledge of trigonometry; the mathematics of vectors is taught as needed. The topics covered are: kinematics and dynamics, momentum and energy, light and waves, and electricity and magnetism. Students will be introduced to the application of physics through several project-based engineering exercises.

AP PHYSICS B (Eleventh or Twelfth Grade, 4 terms, 1 ½ credits, elective)

Prerequisite: Permission of the Department, Prerequisite: completion of Algebra 2.

This elective course is offered to students who have demonstrated high interest and ability in both science and mathematics. An intensive course, incorporating two levels of study into one year, it is designed to prepare students for the Advanced Placement examination. Additional topics such as harmonic motion and wave theory expand the content of the college preparatory physics course. Similar topics are covered in greater detail and require the use of more complex mathematical concepts. Expectations on student initiative and performance also reflect the AP level of the course.

ANATOMY AND PHYSIOLOGY (Eleventh or Twelfth Grade, 3 terms, 1 credit, Elective)

Prerequisite: Biology I and Chemistry

The goal of this course is to discover how the human body works as it maintains the dynamic balance called life. Exploration of the relationship between anatomy (structure), and physiology (function), provide a foundation for the investigation of interactions between body systems. Knowing how body systems work together enables students to understand what it means to be a healthy individual as well as the impact of disease and stress. An integrated view of how the human body works is provided through laboratory investigations, lectures, inquiry-based activities, discussion, direct observation, and dissection. New technologies, therapies, and research are explored and analyzed. Practical applications and everyday examples are also used to show students the relationship between their own bodies and the real world of medicine and science.

SOCIAL STUDIES DEPARTMENT

The following chart illustrates the required and elective courses offered by the social studies department.

	Required Courses	Elective Courses
Freshmen	Europe & the Middle East 1 term	No Electives
Sophomores	Africa, Asia, And The Americas 1 Term or Honors Africa, Asia & the Americas 1 term	No Electives
Juniors	United States History 2 Terms Or AP United States History 3 Terms	Cincinnati History 1 Term Psychology 1 Term The World Today 1 Term

		AP Psychology 2 Terms
Seniors	American Government 1 term or AP United States Government & Politics 2 Terms Economics 1 term	AP European History 3 Terms AP Psychology 2 Terms Cincinnati History 1 Term Psychology 1 Term The World Today 1 Term

EUROPE AND THE MIDDLE EAST (9th/10th grade, 1 term ½ credit, required)

This is a survey course of world history and cultures of Europe and the Middle East from early times to the present. It is designed to encourage multi-cultural awareness, appreciation of art, and knowledge of important contributions to human progress, including the contributions of women.

AFRICA, ASIA, & THE AMERICAS (10th grade, 1 term ½ credit, required)

This is a survey course of world history and cultures, from early times to the present. The study includes eastern and western civilizations and the geography and culture of the areas. This course is the basis for later courses in the social studies sequence. It is designed to encourage multi-cultural awareness, appreciation of art, knowledge of important contributions to human progress, including the contributions of women.

HONORS AFRICA, ASIA & THE AMERICAS (10TH grade 1 term, ½ credit, fulfills AAA requirement)

Prerequisite: Recommendation of the student's social studies teachers

This course emphasizes critical thinking and writing skills, especially in relation to primary source documents and it prepares the student for admission to the AP United States History course. This is a survey course of world history and cultures, from early times to the present. The study includes eastern and western civilizations and the geography and culture of the areas. This course is the basis for later courses in the social studies sequence. It is designed to encourage multi-cultural awareness, appreciation of art, knowledge of important contributions to human progress, including the contributions of women.

UNITED STATES HISTORY (11th grade, 2 terms, 1 credit, required)

United States History traces and surveys the chronological development of the American nation. It is designed to develop in students an appreciation of the contributions of all American people in the building of the nation. It also should give students an appreciation of American democracy, opportunity, progress, and problems.

AP UNITED STATES HISTORY (11th grade, 3 terms, 1.5 credits; fulfills US History requirement)

Prerequisite: Recommendation of the student's most recent social studies teacher and most recent English teacher.

This course is an enriched version of United States History. It follows generally the same scope and procedures, but emphasizes the use of primary documents and interpretations of historians. It demands more advanced research, writing, and discussion skills. The course also prepares the students to take the Advanced Placement test to earn college credit in American History.

AMERICAN GOVERNMENT (12th grade, 1 term, ½ credit, required)

The students study American government at the federal, state and local levels. Emphasis is placed on the three branches of the government, the Constitution, voting, political parties, the electoral process, civil rights, social problems, foreign policy, and the history of their local area.

ECONOMICS (12th grade, 1 term, ½ credit, required)

The American economic system is studied. Students will be presented with information on business and labor and its relation to our society. Basic economic terms and our monetary and fiscal policies are also studied. In addition, students will also be introduced to a number of personal finance issues that they could face after graduation. The topics could include budgeting, management of a checking account, use of credit cards, different means of savings (including savings accounts, mutual funds, stocks and bonds), different types of insurance and the filling out of income tax forms.

AP UNITED STATES GOVERNMENT & POLITICS (12th grade, 2 terms, 1 credit, elective; fulfills Government requirement)

Prerequisite: Recommendation from the Social Studies Department

This course is an enriched version of American Government. It generally follows the same scope and procedures, but emphasizes the use of court cases to justify our legal system. The students study American government at the federal, state, and local levels. This course demands more advanced research, writing and discussion skills. The course also prepares the students to take the Advanced Placement test to earn college credit in American Government.

AP EUROPEAN HISTORY (11th, 12th grade, 3 terms, 1.5 credits, elective)

Prerequisite: Recommendation of the student's most recent social studies teacher and most recent English teacher.

European History AP is a college-level course introducing the student to the complexities of Western civilization from the end of the Middle Ages to the 1990's. The focus of the course is on the history of Europe and the interaction of Europeans with the rest of the world. Areas of concentration include cultural and social history as well as a chronological survey of political events. The primary course objective is to enable the student to begin to understand the historical context of current social, political, and economic affairs. Other objectives include the development of a student's ability to read critically, and to write and to speak with precision and clarity. In addition to the textbook, *A History of the Modern World* by Palmer and Colton, the student must read selected primary sources and several articles from scholarly journals. The course also requires a summer reading assignment of one book, *A World Lit Only by Fire* by William Manchester, and several short colloquies by Erasmus. Based upon the reading, the student must also write an essay to be submitted on the first day of class. Typically, the quarter grade will be based upon four essays and two tests. The AP test is required.

AP PSYCHOLOGY (11th, 12th grade, 2 terms, 1 credit, elective)

The goal of Advanced Placement Psychology is to provide the student with a course similar to that of an introductory college course. It surveys the scientific study of human behavior and mental processes. Students learn about ethics and methods, as well as theoretical approaches to behavior and important historical figures in the field.

CINCINNATI HISTORY (11th or 12th grade, 1 term, ½ credit, elective)

This course will provide students an in-depth study of local history. Areas of emphasis will include early settlement, the diversity of the populace, the Ursuline heritage, sports and leisure, the arts and architecture, mass transit, political history and current problems. A series of off campus field trips will be utilized to enhance the student's understanding of the rich heritage of this Gateway to the West.

PSYCHOLOGY (11th, 12th grade, 1 term, ½ credit, elective)

This course will provide exposure to the foundations of Psychology through a study of the basic concepts of the science of the mind and human behavior. Content will include the history of psychology, learning and cognition, memory and thought, sensation and perception, motives and emotions, as well as personality theories.

THE WORLD TODAY (11th or 12th grade, 1 term, ½ credit, elective)

Through the use of tablet computers, the daily reading of at least three news sources, presentations (oral and visual), class discussion and 2 three page papers, students will closely follow world current events. Emphasis will be on summarizing events, assessing the reliability of the stories reporting the events and reading some of the leading sources of news available throughout the world.

THEATRE DEPARTMENT

St. Ursula Academy offers a full four-year program. The chart below outlines the sequence of courses and the various options a student may choose.

Year	Performance Course	Appreciation/Non Performance Course	Technical Theatre
Freshman	<ul style="list-style-type: none"> Freshman Acting (2 term course) 	<ul style="list-style-type: none"> Theatre Appreciation and History (1 term course) 	
Sophomore	<ul style="list-style-type: none"> Acting 1 (1 term) Acting 2 (1 term course) 	<ul style="list-style-type: none"> Theatre Appreciation & History (1 term) 	<ul style="list-style-type: none"> Technical Theatre (full year or semester course)
Junior	<ul style="list-style-type: none"> Acting 2 Acting 3 Music Theatre Workshop (2 terms) 	<ul style="list-style-type: none"> Theatre Appreciation & History Advanced Communication (1 term) 	<ul style="list-style-type: none"> Technical Theatre
Senior	<ul style="list-style-type: none"> Acting 2 Acting 3 Acting 4 Music Theatre Workshop 	<ul style="list-style-type: none"> Theatre Appreciation & History Advanced Communication 	<ul style="list-style-type: none"> Technical Theatre

THEATRE HISTORY & APPRECIATION (9th, 10th, 11th, 12th grade, 1 term, ½ credit)

This course is designed to acquaint the student with the historical and theoretical aspects of theatre. They will study plays and playwrights as well as the field of arts administration. The students will study costume design as well as set and lighting design. They will work in groups to design and build a set model, costume rendering, poster and playbill for an assigned play. The exam will consist of a formal presentation of their designs.

FRESHMAN ACTING 1 (9th grade, 2 terms, 1 credit)

This course is designed to develop basic skills in performance, interpretation and criticism of the craft. The student will develop an understanding of the role theatre has played in history and contemporary life. This course will give students experience on stage so that they may understand the demands of rehearsal and performance. It is hoped that by the end of Freshman Acting students will have an understanding of the requirements of the craft of acting and have developed confidence to approach the craft with discipline and success. Each term will end with a performance Exam for family and friends.

ACTING 1 (10th, 11th, 12th grade, 1 term, ½ credit, elective)

Prerequisite: Audition is required. (This course is for students who have not taken Freshman Acting.)

A one-term course designed to develop knowledge and basic skills in performance, interpretation and criticism of the craft. The student will have an understanding of the role theatre has played in history and in contemporary life. Performing is a key element of this course. The term will end with a performance exam for family and friends.

ACTING 2 / ACTING 3 (10th, 11th, 12th grade, 1 term, ½ credit, elective)

Prerequisite: Freshman Acting OR Acting 1 (OR 2) OR audition required.

These one term courses are designed to continue the development of performance skills. Students will learn how roles are created, perfected, and sustained. The class will also become involved with the production aspect of theatre. Students are required to participate, in some capacity, in either the fall play or the spring musical. Performing is a major part of the class curriculum. The Performance exam consists of scenes from scripted plays.

TECHNICAL THEATRE (11th, 12th grade, 1 term, ½ credit, elective)

Prerequisite: Teacher Approval. This class meets after school hours.

A course designed to teach the rigors of stage production. The student will learn arts administration, costuming, lighting, sound, makeup, properties, scenic design, and how it all fits together in the final production. Students will be largely responsible for the design and construction of the set for the fall play and spring musical productions.

MUSIC THEATRE WORKSHOP (11th, 12th grade, 2 terms, 1 credit, elective)

Prerequisite: Successful completion of Acting 1, 2 and 3, OR recommendation of teacher

This upper level course is designed for the serious theatre student. The class includes music, dance and drama as well as the research and study of music theatre composers. Students will learn to understand the text of the music as well as movements appropriate to song. The student will have prepared at least two songs: one up-tempo and one ballad to be used for college audition or other purposes. The exam is a musical presentation in the evening for parents and friends.

ADVANCED COMMUNICATIONS (11th, 12th grade, 1 term, ½ credit, elective)

This course taught by the theater and communication teacher prepares the students for all aspects of oral presentation and communication; course includes interview skills, resume writing, public speaking, group discussions, marketing and how to dress for success. Class activities include formal speeches, mock interviews, and a product commercial they will write and produce.

21st-CENTURY COMMUNICATION (Ninth Grade, 1 term, ½ credit, required)

This is a one term required course for freshmen. Course content involves writing, critical thinking, and integration of media into presentations and public speaking. In addition to refining technology skills, students develop poise and confidence in their ability to speak effectively to small or large groups.

WORLD LANGUAGES DEPARTMENT

The chart below represents a typical sequence for students beginning their foreign language study in high school. Students with previous experience may test ahead. Students are required to have at three credits of one foreign language. Students may choose to take the fourth or fifth levels as electives, or may take an additional language after completing the Level 3 course.

Grade Level	Level of study	Languages Offered	College Prep/Honors
Freshmen	Level 1	French, Latin, or Spanish	College Prep
Sophomores	Level 2 & Level 3	French, Latin, or Spanish	College-Prep
Juniors	Level 4 & Level 5	French, Latin, or Spanish <i>approval required</i>	College Prep & Honors for Level 4; AP for Level 5
Juniors/Seniors	May choose a second language		

FRENCH 1 (2 terms, 1 credit)

French 1 is an introduction to French grammar and vocabulary as a means to the development of communication skills in speaking, reading, writing, and listening. Sentence structure, answering and asking questions, and vocabulary building are mastered as the building blocks in learning to communicate in French. In addition to the emphasis on learning to speak, write, read, and listen to French, students are introduced to the francophone world, with a particular focus on France and the capital city of Paris.

FRENCH 2 (2 terms, 1 credit)

French 2 builds upon the vocabulary and structures learned in French 1. The student's communication skills are built upon an expanded foundation of vocabulary and more complicated grammatical structures. During the course of the semester, English is phased out and replaced by French. Francophone culture continues to be explored, while basic cultural information is conveyed. The ultimate goal is to enable students to appreciate the rich variety of cultures in the French-speaking world while enabling them to use the language in a very real sense.

FRENCH 3 (2 terms, 1 credit)

Conducted primarily in French, this course assumes basic proficiency in listening, speaking, reading, writing, grammar and vocabulary. Building on this basis, more complex grammar is presented while further developing communication skills in all areas. Knowledge of francophone culture is expanded to include the areas of literature, history, art, and film.

FRENCH 4 CONVERSATION (2 terms, 1 credit)

Prerequisite: B average or better in French 3 and teacher recommendation based on motivation, consistent performance and a positive attitude.

This course concentrates on the further development of oral and written expression, listening skills and a review of the basics. Vocabulary building, continued grammar instruction, group conversation, culture, art and literature are integral to the course.

FRENCH 4 HONORS (2 terms, 1 credit)

Prerequisite: A- average or better in French 3 and teacher recommendation based on motivation, consistent performance and a positive attitude.

Conducted primarily in French, this course includes continued grammar instruction; reading and discussion of literary selections; writing unified essays; and further exploration of francophone culture, art, music and history.

AP FRENCH LANGUAGE (2 terms, 1 credit)

Prerequisites: a consistent A- average or better in French 4 Honors and teacher recommendation based on outstanding verbal skills, strong self-motivation, ability to self-instruct as needed, a disciplined work ethic and a positive attitude.

In preparation for the Advanced Placement Exam in French Language, this fast-paced, intensive course is designed to develop a high degree of competency in reading, writing, listening and speaking.

ADVANCED FRENCH HONORS SEMINAR (2 terms, 1 credit)

Prerequisites: Successful completion of French 4 Conversation, French 4 Honors and/or French 5/AP in Grades 10 or 11 and teacher approval.

This course is designed to be a fast-paced, intensive review of French language and grammar to help prepare students in Grade 12 for the language placement tests they will take at their respective colleges and universities. Students will re-activate their skills in listening, speaking, reading and writing. This will be an honors credit, as we will use intermediate college-level materials.

LATIN 1 (2 terms, 1 credit)

This course introduces the student to Ancient Roman culture and language. Students begin reading Latin passages immediately as they learn to pronounce the Latin alphabet and to learn the grammatical terminology and endings required for proficiency in the language. Students will learn the five noun declensions as well as the four verb conjugations and the six tenses. Students will also be introduced to Roman culture through units on mythology, daily life, topography of Rome, and the Roman kingdom.

LATIN 2 (2 terms, 1 credit)

In this course students will continue reading Latin passages of increasing complexity. Students master complete sentence structures such as relative clauses. They also learn the passive voice of verbs, deponent verbs, and comparison of adjectives and adverbs. Classical mythology is covered in greater depth with a unit on the hero Hercules, and the Roman Republic and Punic Wars are the areas of historical emphasis. Cultural topics include Roman women, the calendar, and food.

LATIN 3 (2 terms, 1 credit)

In this course students will master all Latin participles and infinitives, the subjunctive and seven of its uses, as well as the indirect statement. Students are also introduced to original Latin prose and poetry through reading works by Martial, Catullus, Pliny, and Caesar. The Roman Empire is the historical focus this term, and each student will research one of the emperors of Rome, from Augustus to Justinian.

LATIN 4 HONORS (2 terms, 1 credit)

Prerequisite: A- average or better in Latin 3 and teacher recommendation

This course prepares students for advanced work in Latin by introducing them to the Latin meters, figures of speech, advanced grammar and cultural background necessary for reading the Advanced Placement syllabus. The course begins with extensive grammar review and practice as well as culture units on the Late Republic and Early Empire. Students will read a selection of original Latin passages.

AP Vergil (3 terms, 1 credit)

Prerequisite: A- average or better in Latin 4 and teacher recommendation

In this course, students who have completed Latin IV will have the opportunity to apply their knowledge of grammar and vocabulary to reading the works of Vergil. Over the course of the three terms, we will read from the Advanced Placement syllabus in preparation for the AP Latin examination in May. Along with reading and discussing these selections, students will receive extensive practice in the skills necessary for success on the exam including sight-reading, scanning poetry for meter, literary devices, and critical essay writing.

SPANISH 1 (2 terms, 1 credit)

This course is aimed at basic conversational skills and general comprehension of the Spanish language. There is an introduction to Spanish and Latin American culture and civilization including their influence on the United States. The content material covers topics and incidents of everyday life. The course objectives are designed to develop skills in the four areas of reading, writing, listening and speaking.

SPANISH 2 (2 terms, 1 credit)

Spanish 2 builds upon the vocabulary and structures learned in Spanish I. The most important grammar points, verb tenses, idioms and vocabulary will be completed by the end of the second year of Spanish 2. Spanish is spoken more often in Level 2 classes. Throughout the second level of instruction, the student works to increase her vocabulary and improve her communication skills in the four areas of reading, writing, listening and speaking.

SPANISH 3 (2 terms, 1 credit)

Conducted primarily in Spanish, this course is a continuation of levels 1 and 2 and is geared toward mastery of the language. This includes communication skills in speaking, reading, writing, and listening. More complex grammar and vocabulary is presented while further developing communication skills in all areas. The study of Spanish culture is an integral part of the course.

SPANISH 4 CONVERSATION (2 terms, 1 credit)

Prerequisite: B average or better in Spanish 3 and teacher recommendation based on motivation, consistent performance and a positive attitude.

This course is designed to enable students to further develop oral expression and listening skills by means of conversation. Topical vocabulary, current events and culture will be covered as well as the continuation of the Destinos Program.

SPANISH 4 HONORS (2 terms, 1 credit)

Prerequisite :A- average or better in Spanish 3 and teacher recommendation based on motivation, consistent performance and a positive attitude.

This course aims to polish the four areas of language acquisition, that of speaking, listening, reading and writing. Students will have the opportunity to engage in conversational practice as well as reading works of literature by famous authors and studying Spanish and Latin American culture. They will also finish the Destinos Program.

AP SPANISH LANGUAGE (2 terms, 1 credit)

Prerequisite: A consistent A- average or better in Spanish 4 H and teacher recommendation based on outstanding verbal skills, strong self-motivation, ability to self-instruct as needed, a disciplined work ethic and a positive attitude.

This course prepares the student to take the Advanced Placement Spanish Language examination for college credit. The goal is to increase student proficiency in the four language skills which will enable them to succeed at the university level.

ADVANCED SPANISH HONORS SEMINAR (2 terms, 1 credit)

Prerequisites: Successful completion of Spanish 4 Honors and/or Spanish 5/AP in Grades 10 or 11 and teacher recommendation

This course is designed to be a fast-paced, intensive review of Spanish language and grammar to help prepare students in Grade 12 for the language placement tests they will take at their respective colleges and universities. Students will re-activate their skills in listening, speaking, reading and writing. This will be an honors credit, as we will use intermediate college-level materials.

EDUCATIONAL SERVICES PROGRAM for Students with Learning Disabilities and AD/HD.

The Educational Services Program is intended to provide appropriate services for students who have learning disabilities and/or AD/HD. Academic Tutoring is an elective for which students in the Educational Services Program will receive non-academic credit.

Academic Tutoring (½ nonacademic credit – Pass/Fail)

A. MAJOR EXPECTATIONS

1. Students are totally mainstreamed into a competitive college preparatory program. The educational requirements of students in the Educational Services Program are identical to the educational requirements of their classmates.
2. Students complete a college preparatory education and enroll in a four-year college.
3. Students develop an understanding of their strengths, limitations, and learning styles.
4. Students develop study skills and compensatory strategies to ensure success.
5. Students participate in other school activities and clubs, including class and club offices, junior varsity and varsity sports, and other co-curricular activities.
6. Students develop an understanding of individual rights and responsibilities.
7. Students are guided in their choices of post-secondary education.
8. 8 Students develop an awareness of career opportunities in light of their strengths.

B. PHILOSOPHY

A learning disability is a permanent handicap that affects the manner in which an individual with average or above average intelligence takes in information, retains it, and expresses the knowledge and understanding she processes. The most common learning disabilities occur in the areas of language (reading, spelling, and written expression); math computation; and problem solving. Less frequent are problems in organizational skills, time management, spatial organization, attention span, and social skills.

Students in St. Ursula Academy's Educational Services Program are mainstreamed into the regular college preparatory classes (including honors/AP classes). The educational requirements of students in the Educational Services Program are identical to the educational requirements of their classmates. Students in the Educational Services Program are expected to produce the same quantity and same quality of work as their peers. Program participants benefit from a number of special modifications and services that demonstrate St. Ursula's commitment to providing a successful college preparatory experience for learning-disabled students. The special modifications and services include tutoring, coursework support, diagnostic testing, textbooks on cassette tapes/CDs, extended examination and testing periods, oral examinations and tests, tests read by tutor, and the use of a digital recorder to record class notes.

C. BROAD INSTRUCTIONAL OBJECTIVES

The objectives of the Educational Services Program are:

1. to provide a college preparatory education for girls with learning disabilities;
2. to provide for the individual learning differences and learning styles of the ES student by teaching to her strengths while working with her weaknesses;
3. to inform teachers of each student's disability and learning style and classroom accommodations that must be made for the ES student;
4. to provide the opportunity for each ES student to achieve her academic potential through daily coursework support, testing accommodations for quizzes, tests and exams (oral testing; taped tests; extended testing periods; untimed Ohio Graduation Tests and extended time PSAT, SAT, ACT, and AP tests);
5. to provide academic and college advising to the ES student;
6. to consult with the faculty regarding the progress of the ES student.

D. ORGANIZATION

1. Placement Procedures

Students are evaluated prior to their admission to the Educational Services Program. Area psychologists, educational diagnosticians, and speech & language pathologists do the testing. The educational evaluation should consist of the WISC-III or IV [with subset scores] and educational achievement tests such as the Woodcock-Johnson-III. Other diagnostic tests such as the Woodcock Reading Mastery Tests, and the Test of Written Language, and the Modern Language Aptitude Test are helpful. Informal diagnosis occurs daily by noting errors and difficulties that students encounter with tests, homework, and assignments. Students are reevaluated in the spring/summer of their junior year so that there is current diagnostic information for the college application process.

2. Admissions Procedure for 8th Grade Students

Eighth grade students seeking admission to St. Ursula Academy's Educational Services Program must take the Entrance Test and submit the following to the Educational Services Program Coordinator by **November 1**:

- a. An educational evaluation that has been completed within the past two years. The educational evaluation should consist of the WISC-III [with subset scores] and educational achievement tests such as the Woodcock-Johnson-III. Other diagnostic tests such as the Woodcock Reading Mastery Tests, the Test of Written Language, and the Modern Language Aptitude Test are helpful.
- b. Results of previous educational testing.
- c. Recommendations from eighth grade teachers and tutor (if applicable) addressing the student's day-to-day skills and motivation.
- d. Grade school records including report cards from 6th and 7th grades and first quarter 8th grade; and report of standardized group achievement tests (e.g. Terra Nova tests).

3. The following guidelines are established for identifying and diagnosing students already at the Academy:

- e. The initial suggestion that a student may have a learning disability may come from the student, parents, teachers, counselors, or administrators.
- f. The available data are read and discussed by the Principal, Assistant Principal, Director of Admissions and Retention, guidance counselors, and Educational Services Program Coordinator.
- g. A student may be referred for further testing if appropriate.
- h. The Educational Services Program Coordinator analyzes all testing reports and consults with the Principal and Assistant Principal. Placement in the program is dependent on the number of available spaces in the program.
- i. Educational Service Program Academic Tutoring as an elective for which students in the Educational Services Program will receive non-academic credit.

SAMPLE SCHEDULES

The College Prep Student

The sample schedule illustrates what a schedule might look like for a student taking all college preparatory courses. Courses can and probably will take place in any of the four terms, not just the ones in which they appear on this schedule.

FRESHMAN YEAR	First Term	Second Term	Third Term	Fourth Term
Bell One	Fine Arts	Fine Arts	Foreign Language 1	Foreign Language 1
Bell Two	Algebra 1	Algebra 1	Algebra 1	Algebra 1
	Literary Genres	Literary Genres	Literary Genres	Literary Genres
Bell Three	Geophysics	Geophysics	Health	PE
Bell Four	21 st Century Communication	Europe & Middle East	Religion 1	Religion 1

SOPHOMORE YEAR	First Term	Second Term	Third Term	Fourth Term
Bell One	British Literature	British Literature	Geometry	Geometry
Bell Two	Foreign Language 2	Foreign Language 2	Foreign Language 3	Foreign Language 3
Bell Three	Religion 2	Religion 2	Fine Arts, Health or PE	Fine Arts, Health or PE
Bell Four	Biology	Biology	Biology	Africa, Asia & the Americas

JUNIOR YEAR	First Term	Second Term	Third Term	Fourth Term
Bell One	American Literature	American Literature	US History	US History
Bell Two	Algebra 2	Algebra 2	<i>Elective</i>	<i>Elective</i>
Bell Three	Morality	PE/ <i>Elective</i>	Social Justice	<i>Elective</i>
Bell Four	Chemistry	Chemistry	Chemistry	<i>Elective</i>

SENIOR YEAR	First Term	Second Term	Third Term	Fourth Term
Bell One	World Literature	World Literature	<i>Math Elective</i> <small>PreCalc or Algebra 3</small>	<i>Math Elective</i> <small>PreCalc or Algebra 3</small>
Bell Two	Government	Economics	<i>Elective</i>	<i>Elective</i>
Bell Three	<i>Science Elective</i>	<i>Science Elective</i>	<i>Science Elective</i>	<i>Elective</i>
Bell Four	Christian Lifestyles	Religion Elective	<i>Elective</i>	<i>Elective</i>

The Honors/AP Student

The sample schedule illustrates what a schedule might look like for a student taking honors and AP courses in many areas. Courses can and probably will take place in any of the four terms, not just the ones in which they appear on this schedule.

FRESHMAN YEAR	First Term	Second Term	Third Term	Fourth Term
Bell One	Fine Arts	Fine Arts	Foreign Language 1	Foreign Language 1
Bell Two	Algebra 1H or Geometry H	Algebra 1H or Geometry H	Algebra 1H or Geometry H	Algebra 1H or Geometry H
	Honors Literary Genres	Honors Literary Genres	Honors Literary Genres	Honors Literary Genres
Bell Three	Honors Biology	Honors Biology	Honors Biology	Health
Bell Four	21 st Century Communication	Europe & Middle East	Religion 1	Religion 1

SOPHOMORE YEAR	First Term	Second Term	Third Term	Fourth Term
Bell One	Honors British Literature	Honors British Literature	Geometry H/ Algebra 2 H	Geometry H/ Algebra 2 H
Bell Two	Foreign Language 2	Foreign Language 2	Foreign Language 3	Foreign Language 3
Bell Three	Religion 2	Religion 2	Fine Arts, Health or PE	Fine Arts, Health or PE
Bell Four	Honors Chemistry	Honors Chemistry	Honors Chemistry	Africa, Asia & the Americas/H

JUNIOR YEAR	First Term	Second Term	Third Term	Fourth Term
Bell One	Honors American Literature	Honors American Literature	<i>Elective</i>	<i>Elective</i>
Bell Two	Algebra 2H/ PreCalculus H	Algebra 2H/ PreCalculus H	<i>PE/Elective</i>	Social Justice
Bell Three	Morality	AP US History	AP US History	AP US History
Bell Four	AP Biology or AP Chemistry	AP Biology or AP Chemistry	AP Biology or AP Chemistry	<i>Elective</i>

SENIOR YEAR	First Term	Second Term	Third Term	Fourth Term
Bell One	AP English Lit. & Composition	AP English Lit. & Composition	AP English Lit. & Composition	<i>Religion Elective</i>
Bell Two	Economics	Christian Lifestyles	<i>AP Government</i>	AP Government
Bell Three	AP Physics B	AP Physics B	AP Physics B	AP Physics B
Bell Four	AP Calculus AB	AP Calculus AB	AP Calculus AB	<i>Elective</i>

Italics denote elective courses. H = honors course; AP = Advanced Placement course
 The sequence for math course is Algebra 1, Geometry, Algebra 2, Pre-Calculus, and Calculus.
 Two math courses may be taken in the junior year to prepare the student for senior year calculus.
 Students may "test ahead" in mathematics or foreign language.

The Student in the Educational Services Program

The following sample schedule illustrates what a schedule might look like for a student in the Educational Services Program. Courses can and probably will take place in any of the four terms, not just the ones in which they appear on this sample schedule.

FRESHMAN YEAR	First Term	Second Term	Third Term	Fourth Term
Bell One	Tutoring	Tutoring	Tutoring	Tutoring
Bell Two	Algebra 1 ¹	Algebra 1 ¹	Algebra 1 ¹	Algebra 1 ¹
	Literary Genres	Literary Genres	Literary Genres	Literary Genres
Bell Three	Geophysics ²	Geophysics ²	Fine Arts or Health	Fine Arts or PE
Bell Four	21 st Century Communication	Europe & Middle East	Religion 1	Religion 1

SOPHOMORE YEAR	First Term	Second Term	Third Term	Fourth Term
Bell One	British Literature	British Literature	Geometry	Geometry
Bell Two	Tutoring	Tutoring	Tutoring	Tutoring
Bell Three	Religion 2	Religion 2	Foreign Language 1	Foreign Language 1
Bell Four	Biology	Biology	Biology	Africa, Asia & the Americas

JUNIOR YEAR	First Term	Second Term	Third Term	Fourth Term
Bell One	American Literature	American Literature	US History	US History
Bell Two	Algebra 2	Algebra 2	<i>Elective</i>	<i>Elective</i>
Bell Three	Religion 3 & Tutoring	Religion 3 & Tutoring	Religion 3 & Tutoring	Religion 3 & Tutoring
Bell Four	Foreign Language 2	Foreign Language 2	Foreign Language 3 or <i>Elective</i>	Foreign Language 3 or PE

SENIOR YEAR	First Term	Second Term	Third Term	Fourth Term
Bell One	World Literature	World Literature	Math Elective ³	Math Elective ³
Bell Two	Government	Economics	<i>Elective</i>	<i>Elective</i>
Bell Three	Chemistry	Chemistry	Chemistry	<i>Elective</i>
Bell Four	Religion 4 & Tutoring	Religion 4 & Tutoring	Religion 4 & Tutoring	Religion 4 & Tutoring

¹ Students who test out of Algebra 1 enroll in Geometry/Geometry H their freshman year and are on the accelerated track for Calculus H/AP.

² Some students may qualify for enrollment in Biology Honors.

³ For the Class of 2014 and later, a 4th year of math is required

SAMPLE GRID

	Term 1	Term 2	Term 3	Term 4
Bell 1				
Bell 2				
Bell 3				
Bell 4				

	Term 1	Term 2	Term 3	Term 4
Bell 1				
Bell 2				
Bell 3				
Bell 4				