Suring High School

Course Descriptions
and
Career and College Planning Guide

2023-24

TO THE STUDENT

This booklet is designed to give you increased responsibility for your high school program and allow your parents to share that experience with you. Any further questions or problems regarding your schedule will be worked out with the guidance counselor or high school principal. The administration and guidance department reserve the right to change student schedules, if necessary.

This booklet includes information on what courses are required and what courses are elective at your grade level, how often they meet, their credit value, and what prerequisites are needed.

Courses are either 1 year or 1 semester in length, as indicated on the course selection sheet and the course descriptions. You are to select enough courses for both the fall and spring semesters, and include some alternate courses, as well. Faculty and administration will give you further assistance.

Preparing well in high school will increase the choice of college majors and career opportunities available to you. College and Technical college - bound students should develop competencies in reading, writing, speaking, listening, mathematics, reasoning and organized study.

General recommendations for a sound academic program in high school include:

1) Four years of English; 2) Four years of Mathematics; 3) Three years of Science; 4) Three years of Social Studies; 5) Two years of a foreign language.

This is your planning booklet; use it to plan what you want to get out of your high school. Talk to your parents, your teachers and your guidance counselor. If you have made a career choice, talk to someone in that area. Utilize your academic and career planning time to research options.

In the back of this booklet you will find a graduation planning guide to assist you in tracking your progress through High School. If you need assistance narrowing down your area of focus or have any other academic or career planning questions, please see your guidance counselor.

UNIVERSITY OF WISCONSIN SYSTEM REQUIREMENTS

The stronger the college preparatory classes you complete in high school, the more likely you will be to succeed in college. All UW campuses require a minimum of 17 college preparatory classes in high school. Note that these are minimums and some campuses require more. The following are the 17 minimum credits required.

4 English Credits: Composition, literature, and rhetoric. Several campuses require at least 3 credits in composition and literature. Most regular and advanced classes are accepted.

3 Mathematics Credits: Algebra, Geometry and other mathematics courses with algebra or geometry pre-requisites. Courses are typically not accepted if they are taught prior to Algebra. Algebra II is required for most UW schools.

3 Science Credits: Biology, Chemistry and Physics. Other courses often accepted include Earth Science and Physical Science.

3 Social Science Credits: Theoretical study of culture, history, political science, economics, and human behavior and societies (such as Psychology and Sociology).

4 Elective Credits: Electives may be chosen from English, mathematics, natural science or social science, foreign language, fine arts, computer science, and other academic areas. A minimum of two credits of a single foreign language is required for admission to UW Madison and may help meet graduation requirements at other campuses.

If you have questions about the acceptability of specific high school courses, talk with your school counselor and contact the admissions office at the campus you hope to attend.

WISCONSIN PRIVATE COLLEGES REQUIREMENTS

As with the UW System schools, there is some variance of admission requirements between campuses. Specific admission requirements are available on each college's website.

Minimum course requirements for admission:

English	4 years (4.0 credits)
Mathematics	3-4 years (3.0 – 4.0 credits)
Science	3-4 years (3.0 – 4.0 credits)
Social Studies	3-4 years (3.0 – 4.0 credits)
Foreign Language	2-4 years (2.0 – 4.0 credits)

Other requirements may include:

- ACT or SAT scores
- Strong academic record with preference given to students taking challenging courses

As with the UW System schools, the private colleges make their admission decisions based primarily on the high school record, with emphasis placed on grades earned within the context of courses taken. Rigor, especially during 11th and 12th grade, is important.

WISCONSIN TECHNICAL COLLEGE REQUIREMENTS

Each program has specific requirements for admission. Please see the guidance counselor if you need more information about the requirements of a specific program. The following courses are listed as a general guideline for admission.

If you are applying to NWTC in a Health-related program (Radiography, Nursing, Dental Hygienist, DMS, etc.) you need to apply in June of your Junior year or August of your Senior year of high school. For more information, talk to your school counselor.

***Many NWTC programs have pre-application requirements. It is in your best interest to look at the latest NWTC catalog regarding this information.

EARLY COLLEGE PROGRAM INFORMATION

SURING HIGH SCHOOL EARLY COLLEGE CREDIT PROGRAM & START COLLEGE NOW

The Early College Credit Program (ECCP) allows public high school students who meet certain requirements to enroll in a UW System institution, or a private, nonprofit institution of higher education, to take one or more nonsectarian courses, for which the pupil may earn high school credit, post-secondary credit, or both.

The program opens the door to greater learning opportunities for students who wish to begin college early or want to prepare to enter the workforce immediately after high school graduation.

Under the ECCP, the cost of courses taken is shared among the institution of higher education (IHE), Suring High School, the state and, in some cases, the student's family. If the student is only receiving post-secondary credit for a course, the student's family is responsible for paying 25 percent of the allowable tuition charged unless that payment would pose an undue financial burden on the family as determined by DPI. If the student is earning high school credit as a result of enrolling in the course, the student is not responsible for tuition payment.

Start College Now (SCN) will allow students the opportunity to take college courses at the Wisconsin Technical Colleges

CLASSES AND CREDT

All students will be required to carry seven periods of classes per semester.

GRADUATION REQUIREMENTS

The graduation requirements for all classes will be a minimum of 25 credits. The 25 credits must include all specific course requirements as established.

Act 55 Wisconsin Civics Exam Requirement: Beginning with the class of 2017, all students at Suring High School will be required to successfully complete a Civics exam prior to graduation. The test will be comprised of 100 questions identical to the questions on the US Immigration test.

CREDIT DISTRIBUTION

1 Semester	X 1 Hour Daily =	½ Credit
1 Semester	X 2 Hours Daily =	1 Credit
1 Semester	X 1 Hour Weekly =	1/10 Credit

Each student must earn a minimum of the following:

English	4 Credits
Social Studies	3 Credits
Science	3 Credits
Math	3 Credits
P.E.	1.5 Credits (1 semester per year for 3 years)
Health	1 Credit
Personal Finance	.5 Credit
Electives	9 Credits
Total	**25 Credits (minimum)**

Suring High School Course Listing

College-minded students give special attention to * marked subjects

Codes: All = Open to freshmen, sophomores, juniors, & seniors

9 = Open to freshmen 10 = Open to sophomores

11 = Open to juniors 12 = Open to seniors

R = Required for Graduation

Dept.	Course Name	Grade	Prerequisites	Credit
Agriculture – pages 6 and 7				
700-03	Animal Science I	All		.50
700-53	Food Science	All		.50
700-14	Great Outdoors	All		.50
700-60	FVTC Horticulture	All		.50
700-05	Intro to Forestry	All		.50
700-06	Intro to Wildlife	All		.50
700-12	Plant Science	All		.50
700-08	Small Animals	All		.50
Art – page 7				
550-15	Advanced Art	All		.50
550-05	Ceramics I	All		.50
550-12	Ceramics II	All	Ceramics I	.50
550-16	Digital Photography	All		.50
550-13	Studio Arts I	All		.50
550-14	Studio Arts II	All	Studio Arts I	.50
Business – page 8				
250-16	Career Exploration	All		.50
250-18	*Computer Applications I	All		.50
250-21	*Computer Applications II	All	Computer App. I	.50
250-14	Personal Finance	All	R	.50
250-28	NWTC Marketing I	All		.50
250-29	NWTC Marketing II	All	Marketing I	.50

Dept	Course Name	Grade	Prerequisites	Credit
250-36	I.S. Marketing I (Event Planning)	All		.50
250-38	I.S. Small Business Mngmnt...	All		.50
English – page 9				
100-01	*English 9	9	R	1.0
100-02	*English 10	10	R	1.0
100-25	*English 11	11	R English 10	1.0
100-17	*English 12	12	English 11	1.0
100-36	Holocaust Literature	11,12		.50
100-10	Literature Studies	11,12		.50
Foreign Language – page 9				
150-01	Spanish I	All		1.0
Health and Physical Education – pages 9 and 10				
400-03	Health	All	R	.50
400-04	Mental Health	All	R	.50
400-01	Team Sports	All	R	.50
400-06	Weight Training	All		.50
Mathematics – pages 10 and 11				
200-01	*Algebra I	All		1.0
200-03	*Algebra II & Trig	10,11,12	Algebra I & Geometry	1.0
200-05	Applied Math		Algebra I	
200-02	*Geometry	All	Algebra I	1.0
200-04	*Pre-Calculus	11,12	Algebra II	1.0
200-07	AP Calculus	12	Pre-Calculus	1.0
200-17	Statistics	10,11,12	Algebra 1 and/or Instructor Recommendation	.50
Music – page 11				
500-01	Concert Band	All		1.0
500-02	Concert Choir	All		1.0
Science – pages 11, 12 and 13				
300-04	*Anatomy/Physiology	11,12	Biology	1.0
300-06	*AP Chemistry	12	Chemistry	1.0
30005T	Astronomy	All		.50
300-03	*Biology	10	R	1.0
300-05	*Chemistry	11,12	Alg. I & Phys. Sci.	1.0
300-17	Everyday Science in the Modern World	All		.50
300-18	Forensic Science (Life Science Focus)	11,12		.50
300-19	Forensic Science (Physical Science Focus)	11,12		.50
300-21	Microbiology	11,12	Biology	
300-02	*Physical Science	All	In Pre-Algebra/Alg.	1.0

Dept	Course Name	Grade	Prerequisites	Credit
300-07	*Physics	12	Algebra II(C or better)	1.0
300-20	Zoology	10,11,12		.50
Social Studies – pages 13 and 14				
350-05	American Government	11,12	R	.50
350-36	AP US Government and Politic	11,12	US History, World Studies	1.0
350-18	Current Events	11,12		.50
350-28	History of Leadership	11,12		.50
350-33	History of Media, Technology and Society	11,12		.50
350-23	U.S. History	All		1.0
350010	World Studies I	All		.50
350011	World Studies II	All	World Studies I	.50
Technology Education – pages 14 and 15				
750-03	Construction I	10,11,12	Material & Processes	1.0
750-04	Construction II	11,12	Construction I	.50
750-08	Materials and Processes	All		.50
750-07	Manufacturing Systems	10,11,12	Material & Processes	.50
750-13	Small Engines	All		.50
750-11	Welding I	All		.50
750-12	NWTC Welding II	All	Welding I	.50
Miscellaneous – page 15				
450-02	Teacher Aide	10,11,12	By approval	.50
450-01	Tutoring	11,12	By approval	.50
450-15	Youth Apprenticeship	11,12	By approval	.50

Online Course Offerings, Course Changes, Independent Study, and Graduation Planning Guide pages 16-19.

INDIVIDUAL COURSE DESCRIPTIONS

Course No.	*Course Name*	*Department*	*Credits*
700-03	***Animal Science I***	***Agriculture***	**0.50**

A One-Semester Course

This course is designed to emphasize the importance of animal well-being. The class has discussions and labs on methods of handling, care, and management of animals. The class focuses on large animals like horses, goats, and cattle, etc. Students will learn breeds, anatomy, health, behavior, and care of large animals.

700-53 ***Food Science*** ***Agriculture*** ***0.50***
A One-Semester Course **FEE REQUIRED**

This class will impart the knowledge and skills needed to produce and manufacture food products for the consumer market. This course will focus on food products while covering a variety of topics, such as quality selection and preservation, equipment care and sanitation, government regulations, marketing, consumer trends, and product research and development.

700-14 ***The Great Outdoors*** ***Agriculture*** ***0.50***
A One-Semester Course (elective grades 10-12)

This elective course will focus on the outdoors including forestry and wildlife management of large and small game species. Units of study will include camping, hunting, fishing and trapping. Students who enroll should be forward-thinking, motivated to spend time outdoors and enjoy working in a team atmosphere.

700-60 ***FVTC Horticulture*** ***Agriculture*** ***0.50***
A One-Semester Course **3.00** ***NWTC credits provided a grade of C or higher is earned***

Introduction. Explore the horticulture industry, plant culture, identification, propagation, physiology, selected aspects of horticulture industry including fruits, vegetables, ornamentals, greenhouse systems, landscape techniques, home gardens and turf.

700-05 ***Intro to Forestry*** ***Agriculture*** **0.50**
A One-Semester Course

Learn about our Wisconsin forests and what is part of a forest, why forests are important, how we maintain, manage and use the forest. Students will learn connections to forestry and the careers available. Students will identify trees common to our area, learn to measure and cruise a forest to determine how much lumber could be harvested. Students will also get ready to travel to the school forest.

700-06 ***Intro to Wildlife*** ***Agriculture*** ***0.50***
A One-Semester Course

Do you enjoy the outdoors, hunting or fishing? This course will further expose students to the wildlife common in North America from wild cats, dogs, birds of prey, fish, and more. Learn to identify certain animals from their color, tracks or even calls. Students will make a plaster cast of a fish to paint or tie a fish fly. Be prepared to go outside for labs.

700-12 ***Plant Science*** ***Agriculture*** ***0.50***
A One-Semester Course

Enjoy working with crops? Love planting flowers? Either way, this class is intended for those students. We will talk about plants from a scientific point of view discussing plant classification and anatomy to properly manage a crop. Students will get a chance to explore a variety of plant science careers including agronomy, florists and landscaping.

Course No.	*Course Name*	*Department*	*Credits*
700-08	***Small Animals***	***Agriculture***	***0.50***

A One-Semester Course

Small animals or the pet industry is a rapidly growing industry as evidenced by the increased number of veterinarians and pet care businesses. This is a course that will teach students the skills and knowledge to care for domestic animals such as dogs, cats, gerbils, rabbits, and exotic pets in their proper environment. This class will also cover basic anatomy and physiology, care, behavior, breeding, body systems, genetics, training, and management of the various animals you might own at home.

550-15 Advanced Art	***Art Education***	***0.50***
A One-Semester Course	**FEE REQUIRED**	

This course will offer students the opportunity to create a portfolio of work with specific focus on the student's mastery of skills and personal interests. Students will help lay out their own semester which includes presenting project ideas, creating a timeline, and being included in the grading process. This course may include critiques and planned group activities for students to display their work publicly.

550-05 Ceramics I	***Art Education***	**0.50**
A One-Semester Course	**FEE REQUIRED**	

Students will experience various methods of clay construction and design through a variety of techniques. Some of the topics that will be covered include, pinch pots, slab building, coil method, and drape molds, as well as wheel thrown pottery.

550-12 Ceramics II	***Art Education***	***0.50***
A One-Semester Course	**FEE REQUIRED**	

There will be a short review of the techniques learned in Ceramics. Students will then continue with higher level projects in pinch, slab and coil methods as well as additional work done on the wheel.

550-16 Digital Photography	***Art Education***	***0.50***
A One-Semester Course	**FEE REQUIRED**	

This course will be a beginner's photography class. The course will introduce students to the development of photographic compositions through manipulation of the elements and principles of design. The class may also include the history of photography, image manipulation, critical analysis and some creative special effects. This course may require after school participation and homework. **This course may NOT be taken independently**.

550-13 Studio Arts I	***Art Education***	***0.50***
A One-Semester Course	**FEE REQUIRED**	

This course allows students to explore many different mediums and techniques, including but not limited to: drawing, painting, sculpture, ceramics, printmaking, collage, and fibers. We will focus on and apply the elements of art and principles of design to both 2D and 3D projects. The class will also include art history and critique aspects. This course is a prerequisite for Studio Arts II and Advanced Art. **This course may NOT be taken independently**.

550-14 Studio Arts II	***Art Education***	***0.50***
A One-Semester Course	**FEE REQUIRED**	

A continuation of Studio Arts I, this course will refine your skills by beginning to introduce independent projects. You will be able to choose different mediums for specific projects that could include drawing, painting, ceramics, sculpture, fibers, printmaking and more. We will really focus on principle of design, sketching/planning, and critique for this course. Some art history may be included as well. This course is a prerequisite for Advanced Art. This course may be taken independently ONLY with approval from art teacher.

Course No.	*Course Name*	*Department*	*Credits*
250-16	***Career Exploration***	***Business***	***0.50***

A One-Semester Course

What do you want to be when you grow up? This class will help you learn how to continually evaluate yourself and the demands of the world around us in order to choose a Career that will help you achieve your personal vision of success. We will go search for a job, prepare a resume and cover letter and perform a mock interview in search of a job. This class also includes a **Community Service Project** that may be **Eagle Concessions** management depending on the schedule.

250-18 Computer Applications I ***Business*** ***0.50***

A One-Semester Course

Computer Applications is a "learn by doing" class that introduces students to Microsoft Word and Microsoft Excel. This class is a pathway to **Microsoft Certification** for both of those programs. Additionally, knowledge of these programs is helpful for students who plan to attend any kind of classes after high school.

250-21 Computer Applications II ***Business*** ***0.50***

A One-Semester Course

Computer Application II is a "learn by doing" class that is a continuation of Microsoft Word and Excel. Computer Applications II will also result in an additional **Microsoft Certification** as an expert in Word and Excel.

250-14 Personal Finance ***Business*** **0.50**

A One-Semester Course

Do you want to live a life with enough money to cover all your basic needs and still have money left over to spend on some of the things you want? This class will help you understand **spending habits and money management** to help you live a happy life. We will talk about spending habits, making budgets, managing credit, insurance, and how to plan for a comfortable retirement.

250-28 NWTC Marketing I ***Business*** ***0.50***

A One-Semester Course

Marketing activities are found in every type of business! In this course, students will explore the foundation of marketing, specifically focusing on the *marketing mix* – place, price, product, promotion, and people. The course is designed to be hands-on and project-based, with students completing both individual and group assignments. Units covered will include: marketing basics, pricing, promotion, sales, market research, and product

250-29 NWTC Marketing II ***Business*** ***0.50***

A One-Semester Course

Students will work to create real life advertising and branding for products created by themselves, other students and local businesses.

250-36 I.S. Marketing I (Event Planning) ***Business*** ***0.50***

A One-Semester Course

Student involved planning of community based and extracurricular activities. Students will be involved with the logistics of competition rooms, meals, scheduling of volunteers, and accounting of funds. Teacher approval is required.

2500-38 I.S. Small Business Management ***Business*** ***0.50***

A One-Semester Course

Students would be directly involved in and responsible for the Eagle Concessions. Students will take a hands-on approach to inventory, sales, marketing, customer service, accounting and daily operations. Must have teacher approval.

Course No.	*Course Name*	*Department*	*Credits*
100-01	***English 9***	***English***	***1.00***

A Full Year Course

English 9 is designed to help advance the student's written and oral communication skills, as well as reading comprehension skills. Time will be spent on basic mechanics units (punctuation, capitalization, subject-verb agreement, etc.) letter writing, and creative writing. Various speaking exercises will be incorporated throughout the course to improve the student's verbal communication. Literature will also be studied, including vocabulary and comprehension skills.

100-02 English 10 English 1.00

A Full Year Course

English 10 will combine an introduction to various types of classic and contemporary literature including fiction, non-fiction, drama, short stories, novels and poetry with a 10th grade level of study in composition, grammar, spelling, punctuation, speech and listening skills. Emphasis will be placed on analyzing literature, comparing different types of literature and expressing ideas through writing. Students will improve their skills in reading comprehension, writing outlines, writing 5 paragraph essay literary analysis papers, essay questions, verbal response and group discussion.

100-25 English 11 English 1.00

A Full Year Course

English 11 follows the course English 10 and includes coursework that will emphasize **writing, reading**, **listening, and oral presentation** skills as outlined in the Language Arts Standards and Benchmarks. Students will study American Literature fiction, nonfiction, poetry, drama, short story, and novels.

100-17 English 12 English 0.50

A Full Year Course

English 12 follows English 11 and includes coursework that will emphasize **writing, reading**, **listening, and oral presentation** skills as outlined in the ELA Common Core. Students will study American Literature fiction, nonfiction, poetry, drama, short stories, and novels as well as informational text to support ELA Common Core skills.

100-36 Holocaust Literature English 0.50

A One-Semester Course

Students enrolled in this course will analyze and write about texts drawn from a range of genres, including survivor memoirs, fictional narratives, poetry, drama, essays, and film. The literature and films used in this course not only help students to understand the events of the Holocaust, but also how these traumatic events challenged then, and still challenge now, the expressive capabilities of language and images.

100-10 Literature Studies English 0.50

A One-Semester Course

Students will read and analyze four self-chosen works of modern fiction literature. This class is in a work-at-your-own-pace style, with deadlines to finish the novel, accompanying analysis, and book project. The goal of the class is for students to be self-motivated to read and dig deeply into a literature style that suits their personality and interests.

150-06 Spanish I Foreign Language 0.50

A Full Year Course

Spanish I--In Spanish I we cover basic conversations, geography and culture of Central and South America as well as Spain. We eat food, prepare traditional Latin food, and learn about Latin American celebrations.

400-03 Health Health & Physical Ed. 0.50

A One-Semester Course

This course is designed to give the student a background and understanding in these four basic health areas: personal, family, community, and environmental health. The student will become acquainted with positive health values and habits to develop a more productive and fulfilled life. The major emphasis of this course will be on health promotion/wellness and the development of skills necessary to monitor and enhance one's health lifestyle.

Course No.	*Course Name*	*Department*	*Credits*
400-04	***Mental Health***	***Health & Physical Ed.***	***0.50***

A One-Semester Course

This course is designed to give the student a picture of the mental and emotional side of their health. The content of this course includes units on: behavior, personality, emotions, values clarification, and the concept of future shock. The student finds out what influences in their environment makes them react the way they do and will also discuss how they can modify these elements of influence in a positive manner.

400-01	***Team Sports***	***Health & Physical Ed.***	***0.50***

A One-Semester Course

This course is designed to familiarize the student with the basic skills and techniques used in various team sports. Team sports include soccer, football (flag), volleyball, basketball, speedball, mass activities, flicker ball, softball, and track and field. The students will also be involved in a physical fitness program consisting of a physical fitness test at the beginning of the course and tests of aerobic fitness in the 2nd or 4th quarter. The purpose of this testing program is to measure the student's physical development and progress.

400-06	***Weight Training***	***Health & Physical Ed***	***0.50***

A One-Semester Course

This course will be devoted to those individuals who are interested in making their bodies bigger, faster, and stronger. Accurate records of each individual's progress will be kept per lift cycle.

200-01	***Algebra I***	***Mathematics Ed.***	***1.00***

A Full Year Course

Algebra 1 is a rigorous curriculum aligned to the common core. The course is separated into 10 chapters. The topics covered are solving linear equations and inequalities; graphing and writing linear functions; solving systems of linear equations and inequalities; exponential functions, polynomial functions and factoring; graphing and solving quadratic equations; and radical functions and equations.

200-03	***Algebra II & Trig.***	***Mathematics Ed.***	***1.00***

A Full Year Course

Algebra II and trigonometry is recommended for anyone planning to enter college or technical school. The first semester is an in-depth study of polynomial functions, with an introduction to exponential and logarithmic functions. The second semester is an in-depth study of trigonometric functions. Students will evaluate, solve, and graph trigonometric functions. Students will learn both circular and right triangle trigonometry. If time allows, students will use identities and formulas to verify and solve problems. **A scientific calculator is required**, however for those students who plan to continue to study mathematics, we recommend using a Texas Instrument graphing calculator.

200-05	***Applied Math***	***Mathematics Ed.***	***0.50***

A One-Semester Course

Applied Mathematics is a one-semester curriculum incorporating algebra and geometry topics in real-life and work place applications. Students are offered an innovative way of looking at and learning mathematics. The course will utilize the functions of fractions, decimals and angles as they relate to workplace applications. The course will also introduce students to technology assisting in these functions and further explore these functions as they relate to coding and programming.

200-02	***Geometry***	***Mathematics Ed.***	***1.00***

A Full Year Course

Geometry is necessary for most colleges and universities. It is recommended for those who plan to attend technical school. A working knowledge of Algebra I topics is necessary for this course. In the first semester, students will study lines, points, angles, and planes. There will also be an emphasis on two-column proofs, using triangles as a basis for proofs. In the second semester, students will learn vocabulary, properties, and formulas of 2 and 3 dimensional Euclidean shapes, and solve proportions involving similar shapes.

Course No.	*Course Name*	*Department*	*Credits*
200-04	***Pre-Calculus***	***Mathematics Ed.***	***1.00***

A Full Year Course

This course is recommended for those students who plan to continue taking mathematics in college. First semester is an in depth study of functions, with particular emphasis on polynomials. Second semester will continue with the study of functions, including such topics as logarithmic, trigonometric, radical, and rational, as well as an introduction to vector, parametric, and polar equations. A Texas Instrument graphing calculator is recommended.

200-07	***AP Calculus***	***Mathematics Ed.***	**1.00**

A Full Year Course

Advance Placement (AP) course in calculus consists of a full high school academic year of work that is comparable to calculus courses in colleges and universities. It is expected that student who take an AP course in calculus will seek college credit, placement, or both from institutions of higher learning. Students will be analyzing functions, graphs, and limits. Students will be using both derivatives and integrals to analyze real world situations. A graphing calculator is required for this course. We recommend buying a Texas Instrument.

200-17	***Statistics***	***Mathematics Ed.***	***0.05***

A One-Semester Course

Statistics is the study of collecting data, analyzing it, and representing it visually. This class will extend middle school concepts of measures of center and deviation to include standard deviation. Box-and-whisker plots, data shapes, and two-way tables will be analyzed. Two-way tables will also be used to compute and analyze joint and marginal frequencies. Sample spaces, permutations and combinations, probability of events, and probability distribution are the final topics of this course.

500-01	***Concert Band***	***Music Education***	***1.00***

A Full Year Course

Concert Band I is an organization and class for high school students that are interested in developing their skills on a wind or percussion instrument and performing quality music. In addition to daily rehearsals, each member has a weekly private lesson, generally during a study period. The band performs at selected home football games and basketball games, as well as playing three or four public performances during the course of a year. Students may elect to participate in conference Solo-Ensemble festivals, and the band performs annually at the M&O Concert Festival. Within the concert band yet as a separate group, the Jazz Ensemble and Combo are formed each year to provide students with the opportunity to learn about, and perform in, the jazz and popular music idioms.

500-02	***Concert Choir***	***Music Education***	***1.00***

A Full Year Course

The Concert Choir is a performing singing group open to all students 9-12. Course requirements include individual or group voice lessons, class attendance, and attendance at special rehearsals if called. Semester I participation includes the Fall Concert, and Christmas Concert. Semester II includes the Pops Concert, Spring Concert, and Conference WSMA Music Festival. Evening performances are typical and are required attendance for an above average grade. Seniors from Concert Choir traditionally perform for Graduation. Semester II students will all participate in the WSMA Conference "Solo-Ensemble" in some capacity that can be a solo, or group singing such as a duet, trio, various quartets, or even larger groups. Students may be involved in up to 10 music events at "Solo-Ensemble." Early withdrawals are not offered at the end of Term I or III.

300-04	***Anatomy/Physiology***	***Science Education***	***1.00***
A Full Year Course		**FEE REQUIRED**	

This course includes the study of the structure and function of the human body. Students will devote time to studying the workings of the various organ systems composing the body. Lab activities include the examination of a heart, eye, brain, skeleton and fetal pig.

Course No.	*Course Name*	*Department*	*Credits*
300-06	***AP Chemistry***	***Science Education***	***1.00***
A Full Year Course		**FEE REQUIRED**	

This class will build a greater understanding of the concepts and processes of Chemistry through a meaningful laboratory experience. It will also improve analytical skills through a variety of problem-solving experiences. Finally, this class will give the student solid preparation for the Advanced Placement Chemistry Exam.

30005T	***Astronomy***	***Science Education***	***0.50***
A One-Semester Course		**FEE REQUIRED**	

A contemporary understanding of the solar system, stars, galaxies, and viewable universe. Students will learn the fundamental principles and scientific techniques used to study, make calculations, and develop models beyond the borders of Earth's atmosphere. Some key topics to be covered include the scientific method, the behavior of light, Doppler Effect, and the electromagnetic spectrum.

300-03	***Biology***	***Science Education***	***1.00***
A Full Year Course		**FEE REQUIRED**	

Biology is designed to prepare the student to be more successful in a college laboratory setting. It is a course that deals with the investigations into the unifying features of living things. This is done by studying what biologists know about life and how they acquire this knowledge. This course will cover many of the same concepts as general biology, but in a more detailed approach. The course will also cover some of the more advanced concepts in biology in both a lecture and laboratory setting.

300-05	***Chemistry***	***Science Education***	***1.00***
A Full Year Course		**FEE REQUIRED**	

Chemistry is a must for all college-bound students. In this class, discussions will include the development of the fundamental principles of chemistry and their applications. Chemical nomenclature, stoichiometry, atomic structure, bonding theories, periodic properties, solution calculations, gas laws and the properties of acids and bases are among the topics discussed.

300-17	***Everyday Science in the Modern World***	***Science Education***	***0.50***
A One-Semester Course		**FEE REQUIRED**	

Students will study and learn how science impacts their daily lives from the menial task of flipping on a light switch in the morning to scientific phenomena discussed in current events such as Climate Change, Weather events, or scientific discoveries. Students will also develop an understanding of scientific principles by looking at their personal hobbies and possible careers by investigating them through the scope of Biology, Chemistry, and Physics.

300-18	***Forensic Science Life Science Focus***	***Science Education***	***0.50***
A One-Semester Course			

This course is an exploration into forensic science with a focus on life science aspects. The class will start with an overview of evidence collection, the investigative process, etc. Examples of the life science focus are study of evidence involving: blood, DNA, hair samples, finger prints, etc. The course will conclude with death investigation and autopsy of a fetal pig.

300-19	***Forensic Science Physical Science Focus***	***Science Education***	***0.50***
A One-Semester Course			

This course is an exploration into forensic science with a focus on physical science aspects. The class will start with an overview of evidence collection, the investigative process, etc. Examples of the physical science focus are study of evidence involving: crime scene photography and physical aspects such as arson, ballistics, toxicology, etc. The course will conclude with eyewitness testimony and modeling the process of moving evidence collection to the courtroom.

Course No.	*Course Name*	*Department*	*Credits*
300-21	***Microbiology***	***Science Education***	***0.50***

A One-Semester Course

Students will develop a working understanding of, and the skills necessary to, study bacteria in the laboratory. There will also be a focus of study on viruses and the infectious diseases caused by both viruses and bacteria. Students will develop an understanding of infectious diseases and the prevention/control of their spread. Protists and fungi will also be discussed, and students will also learn what diseases are caused by these organisms. This class is for juniors and seniors. Prerequisite: Biology

300-02 Physical Science ***Science Education*** ***1.00***
A Full Year Course **FEE REQUIRED**

This college preparatory course is designed to serve as a solid foundation for the study of the physical sciences, which include Chemistry and Physics. Topics to be investigated are phases of matter, atomic structure, force and motion, work, simple machines, conservation and transformation of energy, heat, waves, and laboratory techniques. The role of the student in this course is to develop inquiry and problem solving skills within the context of scientific investigation.

300-07 Physics ***Science Education*** ***1.00***
A Full Year Course **FEE REQUIRED**

Physics demands a questioning mind, a thirst for knowledge, and great imagination. The study of Physics falls into four categories: Mechanics (motion), heat, waves (sound and light), and electricity. As you study Physics, your understanding of the world around you will become more meaningful.

300-20 Zoology ***Science Education*** ***0.50***
A One-Semester Course **FEE REQUIRED**

Zoology is a study of vertebrates and invertebrates. Students will learn about life starting with very small lifeforms leading up to large mammals. There will be a strong curricular concentration on the animal kingdom. Dissection is a required component of this course.

350-05 American Government ***Social Studies*** ***0.50***
A One-Semester Course

This semester course will look at the origins of American government, a study of the U.S. Constitution, an in-depth look at the Congress and an investigation of the Presidency. Aspects of state and local government will be compared to the national government. Current events and political events will be incorporated on an ongoing basis.

350-36 AP US Government and Politics ***Social Studies*** ***1.00***
A Full Year Course

AP U.S. Government and Politics is an introductory college-level course in U.S. government and politics. Students cultivate their understanding of U.S. government and politics through analysis of data and text- based sources as they explore topics like constitutionalism, liberty and order, civic participation in a representative democracy, competing policy-making interests, and methods of political analysis. This course can be taken in lieu of the American Government class to prepare for the civics exam. Prerequisites-US History and World Studies

350-18 Current Events ***Social Studies*** ***0.50***
A One-Semester Course

This course covers events and issues in the news during the time of the course. Course topics may include news media, government, campaigns, women issues, sports and entertainment. This course will focus on current issues, examine selected issues throughout the 20th century, and look at historical causes or possible solutions. State and local issues will be included.

Course No.	*Course Name*	*Department*	*Credits*
350-28	***WEN History of Leadership***	***Social Studies***	***0.50***

A One-Semester Course

This course focuses on definitional issues (what is leadership?) and explanation (how does it work?). The course also acquaints students with theories and styles of leadership; including important historic sports and community leaders.

350-33	***History of Media, Technology and Society***	***Social Studies***	***0.50***

A One-Semester Course

In History of Media, Technology and Society, the class will be a deep dive into media studies and the evolution of media. Exploration will range in topics from the telephone to the television, the radio to the Internet. Students will contemplate many questions: How does the media shape history? Is the media's depiction of an event influential and how? To what extent can media history help us to understand and to influence the future of media in constructive ways?

350-23	***U.S. History***	***Social Studies***	***1.00***

A Full Year Course

This course begins with a brief review of the history of the American's origins through the Civil War intertwined with skill building activities. The course offers a study of the United States from Reconstruction to the present day.

350010	***World Studies I***	***Social Studies***	***0.50***

A One-Semester Course

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

350011	***World Studies II***	***Social Studies***	***0.50***

A One-Semester Course

World Studies II course examines the history, politics, economics, society, and/or culture of one or more regions of the world, such as Africa, Latin America, the former Soviet Union, Far East Asia, and the Middle East. This course may focus primarily on the history of a particular region or may take an interdisciplinary approach to the contemporary issues affecting the region. Furthermore, this course may emphasize one particular country (other than the United States), rather than emphasizing a region or continent.

750-03	***Construction I***	***Technology Ed.***	***1.00***
A Full Year Course		**FEE REQUIRED**	

Construction I is a basic course in woodworking, providing an understanding of the tools, materials, and processes that are used in the woodworking industry today. Areas of study include: hand and machine tools, wood materials, construction and finishing.

750-04	***Construction II***	***Technology Ed.***	***0.50***

A One-Semester Course

Construction II is an advanced course in woodworking, providing the student with a chance to increase skills and knowledge in the woodworking areas used today. Areas of study include: wood materials and construction, machine tools, finishing and building construction.

750-08	***Materials & Processes***	***Technology Ed.***	***0.50***
A One-Semester Course.		**FEE REQUIRED**	

Materials and Processes is an introduction to the World of Technology. The students will be introduced to drafting, which is needed to design and construct projects. The student will also make a small project.

Course No.	*Course Name*	*Department*	*Credits*
750-07	***Manufacturing Systems***	***Technology Ed.***	***0.50***

A One-Semester Course

Manufacturing Systems will cover designing and engineering products, developing production systems, manufacturing products, marketing products, performing financial activities, and career opportunities. The class will form a small business and market a product.

750-13 Small Engines ***Technology Ed.*** ***0.50***

A One-Semester Course

This course provides students with the opportunity to learn how to service and recondition small engines, typically emphasizing two- and four-cycle engines. Small Engines will provide students with opportunities to troubleshoot and repair speed controls, lubrications, ignition, fuel, power transfer, cooling, exhaust, and starting systems; use hand, power, and overhaul tools; and read and interpret service manuals and parts catalogs. Applications may include lawn mowers, tractors, tillers and power tools.

750-11 Welding I ***Technology Ed.*** ***0.50***

A One-Semester Course **FEE REQUIRED**

Welding I enables students to gain knowledge of the physical and chemical properties, uses, and applications of various metals. Students gain skills in various processes used to join and cut metals (such as oxyacetylene, shielded metal, metal inert gas, and tungsten arc processes) and have experience in identifying, selecting, and rating appropriate techniques. Students read and interpret blueprints in order to identify, select, and rate appropriate techniques.

750-12 NWTC Welding II ***Technology Ed.*** ***0.50***

A One-Semester Course **FEE REQUIRED 3.00** ***NWTC credits provided a grade of C or higher is earned***

This course will be taught for NWTC Transcribed Credit. SMAW 1 is an introductory course taught by NWTC and offered at Suring High School for Transcribed Credit. This means that students will be welding following NWTC's curriculum and standards and graded on Blackboard (NWTC's Grade Management System). Successful completion of this course will earn you a NWTC Credit for SMAW 1.

450-02 Teacher Aide ***Miscellaneous*** ***0.50***

A One-Semester Course (Pass/Fall Course)

Elective course open to all students who will be screened regarding a good attendance record and character. ***Teacher and Principal approval is required***. (Limited to 1.0 credits)

The role of the student aide is to provide assistance to the teacher in daily duties. The aide would report to the teacher regarding duties to be done.

450-01 Tutoring ***Miscellaneous*** ***0.50***

A One-Semester Course (Pass/Fail Course)

Elective course open to juniors and seniors who will be screened. Students must have a good attendance record, good character and knowledge of basic skills in English, Math, Science, or Social Studies. ***Guidance Counselor and Principal approval is required.*** (Limited to 1.0 credit)

The role of the tutor is to provide guidance, encouragement and support along with teaching skills in the requested area.

450-15 Youth Apprenticeship ***Miscellaneous*** ***0.50***

Youth Apprenticeship (YA) is a unique opportunity for juniors and seniors to start preparing for a career while still in high school. It is designed for high school students who want hands-on learning in an occupational area at a work-site along with classroom instruction. YA, a one or two-year program, combines academic education, occupational instruction, and work-based learning from an employer. Students accepted into an approved Youth Apprenticeship program will continue taking classes at their high school while working as an apprentice at a participating business. Students will be enrolled in a technical class related to their youth apprenticeship program each semester. These courses may be offered at either their high school or off campus.

ONLINE/WEN/NWTC COURSES

ONLINE/WEN/NWTC Student Policy

Students who enroll in Distance Learning Course(s) online must adhere to and follow the rules by signing a student contract and attending a mandatory orientation.

The student must:

1. Be in good academic standing.
2. Student orientation/student/parent contract.
3. NWTC classes are offered to junior and senior status students.
4. All students enrolling in online classes should also select alternatives in case the onlineclass is not offered due to enrollment number requirements.

SCIENCE

CUTLURE OF HEALTHCARE (NWTC)
Meets 4 Days/Week
This course will transfer into the Wisconsin Technical College System AND various UW System Colleges

This course prepares learners to work in the healthcare environment as part of a healthcare team. Learners will investigate the healthcare community, patient privacy standards, and the professional behavior that is expected in today's medical community. Learners will examine various aspects of verbal and written communication skills, customer service principles, and problem solving techniques necessary to be a vital member of the healthcare workforce.

This course is taught by a college. This course is taught at a college level and the primary audience is the college-age or adult learner. As such, the content of this class will be for adult students.

DIGITAL LITERACY FOR HEALTHCARE (NWTC)
Meets 4 Days/Week
This course will transfer into the Wisconsin Technical College System AND various UW System Colleges

This course provides an introduction to basic computer functions and applications utilized in contemporary healthcare settings. Students are introduced to the hardware and software components of modern computer systems.

This course is taught by a college. This course is taught at a college level and the primary audience is the college-age or adult learner. As such, the content of this class will be for adult students.

MEDICAL TERMINOLOGY (NWTC)
Meets 3 Days/Week
This course will transfer into the Wisconsin Technical College System AND various UW System Colleges

This course focuses on the component parts of medical terms: Prefixes, suffixes, and root words. Students practice formation, analysis and reconstruction of terms. Emphasis on spelling, definition and pronunciation. Introduction to operative, diagnostic, therapeutic and symptomatic terminology of all body systems, as well as systemic and surgical terminology.

This course is taught by a college. This course is taught at a college level and the primary audience is the college-age or adult learner. As such, the content of this class will be for adult students.

SOCIAL STUDIES

Intro to PSYCHOLOGY (NWTC)
Meets 3 Days/Week
This course will transfer into the Wisconsin Technical College System AND various UW System Colleges

Survey of theoretical foundations of human behavior such as sensation and perception, motivation, emotions, learning, and personality; psychological disorders; therapy; stress and human diversity in personal, social, and vocational settings.

This course is taught by a college. This course is taught at a college level and the primary audience is the college-age or adult learner. As such, the content of this class will be for adult students.

Intro to SOCIOLOGY (NWTC)
Meets 3 Days/Week
This course will transfer into the Wisconsin Technical College System AND various UW System Colleges

Sociology examines the nature and variety of groups; inequality, race and ethnicity; family, population, social integrations, and change; collective behavior; politics, economics, religion, education, and the effects of technology.
This course is taught by a college. This course is taught at a college level and the primary audience is the college-age or adult learner. As such, the content of this class will be for adult students.

Suring partners with many networks to be able to offer students online and blend-ed course options. The courses offered vary each semester. Please check with your School Counselor to review your options.

COURSE CHANGES – Regular/Online Courses

Since the administration staffs the school with teachers and orders equipment and supplies based on the number of students enrolled in each course, we are very hesitant about making changes unless it is absolutely necessary. Therefore, you should regard your decisions as unchangeable.

The district also adheres to a philosophy that takes into consideration all students' needs. The district encourages you to challenge yourself by seeking those courses which will enrich your education to its fullest. Some courses may prove to be more demanding on certain individuals than others, and we suggest you design a program along with your parents, present teachers, counselor and high school principal that best challenges your ability.

Prior to making a request to change your classes, review the following guidelines, which will be used to considering denial or approval of your request:
1) Courses may not be added to your schedule after the 3rd day of a new semester for a semester course.
2) Courses may not be dropped if your total number of classes falls below the required minimum of 7.
3) Courses already filled for a given term (semester or quarter) are considered to be closed and will not be available to students requesting program additions.
4) Students will not be allowed to withdraw from a course with a minimum enrollment.
5) Prior to any program change requests being honored, a conference with the guidance counselor, high school principal and the applicable instructors will need to take place.

INDEPENDENT STUDY

Independent study classes are offered in some instances to enhance the regular curriculum. Classes offered must be associated with the regular curriculum. Independent study classes are arranged between the teacher and student and require approval of the high school principal. Suring High School utilizes independent study classes in liberal arts, vocational, and regular education as part of the Gifted and Talented program.

GRADUATION PLANNING GUIDE

25 total credits required. Successful completion of the following subject and credit requirements is also required for graduation:	Entrance Requirements for most UW colleges ***
English (4 cr. Total) English 9- S1 _____ _____.5cr English 9-S2 _____ _____.5cr English 10 – S1 _____ _____.5cr English 10 – S2 _____ _____.5cr English 11-S1 _____ _____.5cr English 11- S2 _____ _____.5cr Elective _____ _____.5cr Elective _____ _____.5cr	English 4 credits required, more encouraged. Students should take the most rigorous courses available.
Math (3 cr. Total) Elective 9-S1 _____ _____.5cr Elective 9-S2 _____ _____.5cr Elective 10-S1 _____ _____.5cr Elective 10-S2 _____ _____.5cr Elective _____ _____.5cr Elective _____ _____.5cr	Math 3 credits required, which should include Algebra, Geometry and Algebra II. More credits are encouraged.
Science (3 cr. Total) Physical Science 9- S1 _____ _____.5cr Physical Science 9-S2 _____ _____.5cr Biology 10 – S1 _____ _____.5cr Biology 10-S2 _____ _____.5cr Elective _____ _____.5cr Elective _____ _____.5cr	Science 3 credits required. Higher level science classes such as Physics and Chemistry are preferred.
Social Studies (3 cr. Total) US History 9 – S1 _____ _____.5cr US History 9 – S2 _____ _____.5cr US Government _____ _____.5cr Economics or Personal Finance _____ _____.5cr Elective _____ _____.5cr Elective _____ _____.5cr	Social Studies 3 credits required, more encouraged.
Physical Education (1.5 cr Total) Team Sports _____ _____.5cr Team Sports _____ _____.5cr Elective _____ _____.5cr	Credits must be taken over 3 years.

Health (1.0 cr Total) Health _____ _____.5cr Mental Health _____ _____.5cr	
Electives (9.5 cr Total) _____ _____ _____.5cr _____ _____ _____.5cr _____ _____ _____.5cr _____ _____ _____.5cr _____ _____ _____.5cr _____ _____ _____.5cr _____ _____ _____.5cr _____ _____ _____.5cr _____ _____ _____.5cr _____ _____ _____.5cr _____ _____ _____.5cr _____ _____ _____.5cr _____ _____ _____.5cr _____ _____ _____.5cr _____ _____ _____.5cr _____ _____ _____.5cr _____ _____ _____.5cr _____ _____ _____.5cr _____ _____ _____.5cr	**Electives** 9.5 credits required. These may include foreign language, fine arts, etc. Students should check with the college to which you are applying. The foreign language requirement varies from school to school. Students should check the requirements for schools that they are interested in.

Notes: