

February 24, 2010

2008 - 2009 Cathedral High School Course Registration Handbook

Registration for your high school courses is an extremely important step towards your eventual graduation and post-secondary plans. Your teachers, counselor, principal, and parents are important resources available to you in making course selection decisions. Make course selections in consultation with those who can best help you design the curriculum that fits your goals. While career plans are an important component of curricular decision-making, we also invite you into the process of vocational exploration that should lead you to question the relevance of courses to your spiritual, physical, emotional, intellectual and social growth. We want you to select those courses most likely to help you develop as a person created in the image of God.

GRADUATION REQUIREMENTS

Generally speaking, each student must complete a certain number of required and elective courses in order to satisfy the graduation requirements of Cathedral High School. The total number of course credits must be a minimum of 26. These are broken down as follows:

Religion	4.0 credits
English	4.0 credits
Social Studies	4.0 credits
Mathematics	3.0 credits
Science	2.0 credits (3.0 for 2012 grads and beyond)
Phy. Ed/Health	2.0 credits
Computer Science	1.0 credits
Fine Arts	1.0 credits
Electives	5.0 credits (4.0 for 2012 grads and beyond)

In addition to the overall graduation requirement of 26 credits, each student must register for a minimum of 7 class credits each year.

COURSE TERMINOLOGY

Courses are described as being “required,” “elective,” or “prerequisite.” Required courses must be taken by every student. If a required course is failed, that course must be retaken. Elective courses are those that a student may choose to take because of a special interest area or because he or she will need it after high school. Certain courses cannot be taken unless another course has already been completed satisfactorily. These courses are called “prerequisites.” For example, Algebra II cannot be taken without having completed the prerequisite - Algebra I.

PLANNING FOR LIFE AFTER HIGH SCHOOL

Most CHS graduates go on to further their education. It is to your benefit to investigate career requirements, entrance requirements of schools, the military service, etc. In today’s age of rapidly advancing technology, many programs require strong math, science, language and communication skills. Generally, the more math, English, and science you can take, the better off you will be. Again, it is important to consult with your school counselor, teachers, and parents in this planning process.

FOUR YEAR PROGRAM OF COURSES

(Use this form to plan your years in high school and keep it for reference as you progress through high school.)

GRADE 9	GRADE 10	GRADE 11	GRADE 12
Religion	Religion	Religion	Religion
English	English	English	English
World History	Biology	American History	World Problems
Phy Ed/Health	Phy Ed/Health	Electives (4 minimum)	Electives (4 minimum)
Physical Science	Electives (3 minimum)	_____	_____
Algebra or Applied Alg I	_____	_____	_____
Electives (1 minimum)	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____
_____	_____	_____	_____

Addl. 9-12 Required Courses: Computer Science, Geography, Fine Arts,
One Elective Science Credit (2012 Grads and beyond)

COURSES RECEIVING WEIGHTED GRADES

Letter grades for courses are assigned a numerical equivalent in order that a student’s class rank can be calculated. For example A=4, B=3, C=2, D=1. Weighted courses have a higher numerical equivalent to reflect their substantially greater difficulty. The numerical equivalent of these courses is equal to the original numerical equivalent plus .15. The following courses at CHS are weighted, Political Science, Analysis/Pre-Calculus, Calculus, Physics, Advanced Biology, Chemistry, Chemistry II, Psychology II, CIS Literature, CIS Composition, CIS Speech and Spanish IV.

COLLEGE IN THE SCHOOLS (CIS COURSES) AT CATHEDRAL HIGH SCHOOL

In conjunction with the University of Minnesota, Twin Cities Campus, Cathedral High School makes it possible for our students to enroll in college credit courses taught here – on our high school campus – by selected CHS teachers who are appointed as affiliated U of MN faculty. Students are eligible to enroll in these classes with instructor permission (based on U of MN guidelines.) For the school year 2008-2009, the approximate fee being charged by the U of MN is \$150.00 per course. (Students receive actual college credits which appear on a college transcript. If a student were to take these credits on the U of MN campus as a college freshman student, each credit would cost hundreds of dollars.) The U of MN credits transfer to approximately 95% of other colleges and universities. During the school year 2008-2009, CHS plans to offer the following college courses: CIS Calculus, CIS Literature, CIS Composition, CIS Speech.

*****BUSINESS*****

CONSUMER FINANCE 20 11, 12
Elective: ½ credit One Semester
Prerequisite: None
This course will address and educate the student in the practical finance areas concerning personal credit, taxes, auto and home purchasing, and insurance and risk management. When appropriate, guest speakers will be called in to cover areas of their expertise. A unit on job search and resume writing will be completed. Students in this course will utilize the computer programs Microsoft Office Word and Excel.

****CONSUMER SCIENCE****

LIFE SKILLS 85 10,11,12
Elective: ½ credit One Semester
Restrictions: Limited to 12 students
This hands-on course incorporates the Catholic faith in the following areas: practical living skills, personal growth and management, study skills, social awareness, interpersonal relationships, problem solving, decision making, comparative shopping, meal preparation, employability, self-assessment, resource analysis, money management, consumerism and career skills and opportunities.

****COMPUTER SCIENCE****

MICRO COMPUTER I 30 9,10,11,12
Required: ½ credit One Semester
Prerequisite: None
The student will continue to improve accuracy and efficient use of the keyboard. Working in the Microsoft Word Program, the student will cover basic to intermediate Word skills. The student will be exposed to proper procedures to create documents suitable for course work, professional purposes and personal use. The student will also be introduced to PowerPoint and Internet use.

MICRO COMPUTER II 31 9,10,11,12
Elective: ½ credit One Semester
Prerequisite: Micro Computer I
The student will continue to work in Microsoft Office improving Word skills, introducing Excel (spreadsheets), Access (database), and PowerPoint (presentation skills). The student will also work on draw/paint skills by using Adobe PhotoShop Elements II.

COMPUTER MEDIA 32 9,10,11,12
Elective: ½ credit One Semester
Prerequisite: Micro Computer I
The student will learn skills needed to create professional presentations with Microsoft PowerPoint. The student will also design web pages using HTML (Hypertext Markup Language). Skills include layout, design, and creating hyperlinks, inserting photos, and working in tables. The student will also create a movie using the Internet, digital camera, and music. They will be introduced to copyright laws throughout the class.

MICROSOFT 2003: ACCESS & EXCEL 33 10,11,12
 Elective: ½ credit One Semester
 Prerequisite: Micro Computer II or consent of computer instructor
 The student will be introduced to the fundamentals of Microsoft Excel and Access (the industry standard for database and spreadsheets) from basic to intermediate level, which will acquaint them with proper procedures to create worksheets and reports suitable for course work, professional purposes and personal use.

DESKTOP PUBLISHING 34 10,11,12
 Elective: ½ credit One Semester
 Prerequisite: Micro Computer II
 The student will be introduced to the fundamentals of Adobe InDesign from basic to intermediate level, which will acquaint them with proper procedures to create newsletters, brochures, business cards, and programs suitable for course work, professional purposes, and personal use. They will also be introduced to Adobe Photoshop Elements II.

****ENGLISH****

ENGLISH 9
 Please choose 50 or 51 (First Semester)

Writing 50 1st Semester Only 9
 Required: ½ credit
 Prerequisite: Recommendation by 8th grade writing teacher
 In this course, the students practice a variety of writing skills including, but not limited to, writing letters, personal five-paragraph essays, journals, reviews, response to literature papers, and research. The course will include the study of grammar and usage skills along the vocabulary development. The course includes an on-going independent reading requirement.

Basic Writing 51 1st Semester Only 9
 Required: ½ credit
 Prerequisite: Recommendation by 8th grade writing teacher
 In this course, the students practice a variety of basic writing skills including, sentence and paragraph development, letter writing, personal essay, journal writing, story writing, and report writing. The course will include review and instruction in basic grammar, punctuation, and spelling skills. The course includes an on-going independent reading requirement. The pace of this course will vary based on student need.

Please choose 52 or 53 (Second Semester)

Literature 52 2nd Semester Only 9
 Required: ½ credit
 Prerequisite: Recommendation by 8th grade reading teacher
 Students will read and study a representation of global literature including short story, poetry, drama, novel, and essay. Students will also examine journalism and media writing. The course includes an on-going independent reading requirement, the study of literary terminology, building personal vocabulary, and writing read-respond papers.

Building Comprehension Skills 53 2nd Semester Only 9
 Required: ½ credit
 Prerequisite: Recommendation by 8th grade reading teacher
 Students will read literature, print media, and non-fiction units. The course includes an on-going independent reading requirement, a study of literary terminology, a building of personal vocabulary, and the writing of read-respond papers. The pace of this course will vary based on student need.

ENGLISH 10

Please choose 54 or 55 (First Semester 10)

Communication Skills 54 1st Semester Only 10
Required: ½ credit

The student will be admitted to this course based upon skill assessment in the areas of reading comprehension, vocabulary development, and writing and speaking skills. In this course, the students will practice their writing and speaking skills in units including, but not limited to, business writing, personal essay writing, literary analysis, creative writing, informative speaking, extemporaneous speaking, small group discussion, and panel discussion. This course includes an on-going study of grammar and usage skills and vocabulary development.

Business Writing and Speaking 55 1st Semester Only 10
Required: ½ credit

The student will be admitted to this course based upon skill assessment in the areas of reading comprehension, vocabulary development, and writing and speaking skills. Students will practice their writing and speaking skills through units including personal essay, review writing, how-to writing, summary writing, small group discussion, and impromptu speaking. This course includes an on-going study of grammar and usage skills and vocabulary development. The pace of this course will vary based on student need.

Please choose 56 or 57 (Second Semester 10)

World Literature 56 2nd Semester Only 10
Required: ½ credit

The student will be admitted to this course based upon skill assessment in the areas of reading comprehension, vocabulary development, and literary analysis skills. A survey of poetry, drama, novel, and short story from around the world is the focus of this course. The course includes an on-going independent reading requirement, a study of technique in fiction, personal vocabulary building, and instruction in writing about literature.

Survey of Global Literature 57 2nd Semester Only 10
Required: ½ credit

The student will be admitted to this course based upon skill assessment in the areas of reading comprehension, vocabulary development, and interpretive skills. Students will study poetry, short story, novel, and drama in print and film. Emphasis will be placed on examining the form and structure of fiction, discussing the themes, and building interpretive skills. The course includes an on-going independent reading requirement and vocabulary building. The pace of this course will vary based on student need.

ENGLISH 11

American Literature 60 1st Semester Only 11

Required: ½ credit

The student will be admitted to this course based upon skill assessment in comprehension, vocabulary, and literary analysis. A survey of American novels, poetry, drama, and short story – contemporary and classic – will be used to reflect changes, themes and trends in American literature, history, and culture from 1600-present. Skill development includes comprehending, analyzing, building vocabulary, journaling, and a few selected opportunities to write literary analysis.

Honors American/British Literature 73 1st Semester Only 11 & 12

Required: 1 credit

Note: This class is taken in two consecutive Fall Semesters with a mix of Juniors and Seniors. It fulfills the literature requirement for grades 11 & 12.

Students will be admitted to this course with the permission of the department staff. Focusing on classic (and some contemporary) works in American and British Literature, this course is designed to build skills in understanding/analyzing literature. Assignments include reading, journal-keeping, discussing, and some formal literary analysis writing.

CIS Literature 74 1st Semester Only 11,12

Elective: ½ credit

Students will be admitted to this course with the permission of the department staff. Curriculum involves reading, analyzing, discussing, and writing about literature from a variety of genres, (novels, short stories, poems, and plays,) classic and contemporary. Students are taught basic techniques for analyzing/understanding literature, and that includes a concentrated focus on learning “literary lenses” and applying those theories/skills to the literature on literal, interpretive, critical, and applied levels. Students in the CIS Program earn 4 college credits “Introduction to Public Speaking” course.

Speech and Writing Skills 58 2nd Semester Only 11

Required: ½ credit

Students at CHS are required to take this (or CIS Speech.) Focusing on practical speaking and writing skills, students learn discussion skills, debate skills, speeches to introduce, inform and persuade. Preparing professional-looking visual aids and utilizing technology to enhance speaking performance is included. Research skills are used to gather information, prepare speeches, practice delivery techniques, and critique speaking performances. Students also create written documents in MLA style, comparing and contrasting the skills needed to create a talk versus a written document. The focus in this course is approximately 65% speaking and 35% writing.

CIS Speech 76

Required ½ credit

2nd Semester Only 11,12

This course is offered to seniors as an elective.

Curriculum involves learning to gather information through research and experience, plan and prepare the content of well-organized talks, learn and polish the skills of delivery. Assignments include (but are not limited to) introductory speeches, panel discussion and debate activities, informative speeches, persuasive speeches, extemporaneous and impromptu speaking tasks. In addition, the course involves students in the skills of utilizing technology to create visual aids and deliver polished public speeches. Steps in the preparation and delivery of speeches are defined, reviewed, and practiced.

Students in the CIS Program earn 4 college credits “Introduction to Literature: Poetry, Drama, Narrative” course.

ENGLISH 12

British Literature	64	1 st Semester Only	12
Required:	½ credit		
<p>The student will be admitted to this course based upon skill assessment in comprehension, vocabulary, and literary analysis. A survey of British novels, poetry, drama and short story – contemporary and classic – will be used to reflect changes in the English language, history and culture from 1000 A.D. to the present. Skill development includes comprehending, analyzing, building vocabulary, journaling, and a few selected opportunities to write literary analysis.</p>			
Honors American/British Literature	73	1 st Semester Only	11,12
Required:	½ credit		
<p>Note: This class is taken in two consecutive Fall Semesters with a mix of Juniors and Seniors. It fulfills the literature requirement for grades 11 & 12.</p> <p>Students will be admitted to this course with the permission of the department staff. Focusing on classic (and some contemporary) works in American and British Literature, this course is designed to build skills in understanding/analyzing literature. Assignments include reading, journal-keeping, discussing, and some formal literary analysis writing.</p>			
Critical Writing	62	2 nd Semester Only	12
Required:	½ credit		
<p>Students are required to take this (or CIS Composition.) Curriculum includes gathering research information, analyzing/evaluating media resources, organizing written documents, applying MLA documentation, and preparing spoken presentations. Material and topics will be selected from contemporary issues, cross-curricular topics, personal experience. This course includes review and polishing of grammar and usage skills. The focus in this course is approximately 65% writing and 35% speaking.</p>			
CIS Composition	75	2 nd Semester Only	12
Required:	½ credit		
<p>Curriculum involves critical reading, writing, and thinking skills as students are challenged to practice various types of academic writing they may expect to use in their college career. Assignments include (but are not limited to) writing essays, academic argument, bibliographies, and research papers. The course is designed to help students develop clear thesis statements and support their ideas with scholarly sources, logical evidence, and accurate documentation. Steps in the writing process are defined, reviewed, and practiced.</p> <p>Students enrolled in the CIS Program earn 4 college credits “University Writing” course.</p>			
CIS Speech	76	2 nd Semester Only	12
Elective:	½ credit		
<p>Curriculum involves learning to gather information through research and experience, plan and prepare the content of well-organized talks, learn and polish the skills of delivery. Assignments include (but are not limited to) introductory speeches, panel discussion and debate activities, informative speeches, persuasive speeches, extemporaneous and impromptu speaking tasks. In addition, the course involves students in the skills of utilizing technology to create visual aids and deliver polished public speeches. Steps in the preparation and delivery of speeches are defined, reviewed, and practiced.</p> <p>Students in CIS Speech earn 4 college credits in this “Introduction to Public Speaking” course.</p>			

CIS LITERATURE 74 1st Semester Only 11,12
Elective: ½ credit

Students will be admitted to this course with the permission of the department staff. Curriculum involves reading, analyzing, discussing, and writing about literature from a variety of genres, (novels, short stories, poems, and plays,) classic and contemporary. Students are taught basic techniques for analyzing/understanding literature, and that includes a concentrated focus on learning “literary lenses” and applying those theories/skills to the literature on literal, interpretive, critical, and applied levels.

Students in the CIS Program earn 4 college credits “Introduction to Public Speaking” course.

JOURNALISM 70 10,11,12
Elective: 1/2 credit One Semester

This course will focus on the skills of writing news and feature articles as well writing creative pieces such as reviews and columns. Curriculum skill-building will include interviewing, gathering investigative data, doing some photo-journalism, and developing proofreading, editing, and layout skills as they put together the school newspaper. When possible, guest speakers and on-site visits to newspaper work rooms and publishing companies will be included in this course.

CREATIVE AND PERSONAL WRITING 71 10,11,12
Elective: 1/2 credit One Semester

The student may be admitted to this writing course with the recommendation of department staff. Curriculum includes learning to compose a variety of written forms (including but not limited to) memoir and personal essay, editorials, short stories, poetry, dramatic monologues and dialogues, and investigative reporting. Class members will contribute to a creative magazine during the semester. When possible, guest writers/guest speakers will be incorporated into the course.

BOOK CLUB 72 9, 10,11,12
Elective: 1/2 credit One Semester

Designed for the student who likes to read and discuss books, the curriculum of this course focuses on small group reading circles, discussion, and journal-keeping. Reading selections include contemporary novels and short stories, mythology, multi-cultural fiction, science fiction, non-fiction, and drama. Assignments will focus on building discussion skills, improving skills of analysis, and reading for learning and enjoyment. Individually, students will work with the instructor to set up a personal system of vocabulary development. Students will have the opportunity to purchase their own copies of selected readings if they wish to highlight passages and keep the books as part of their own personal libraries.

POETRY/PHOTOGRAPHY 77 10,11,12
Elective: 1/2 credit One Semester

The student may be admitted to this course with the recommendation of department staff. Curriculum includes the study of digital photography and digital cameras, the study of published poetry and the writing of original poetry, and the study of marketing and design. Students in this course combine photography, poetry-writing skills, and computer design technology to create professional-quality greeting cards. To accommodate the photography portion of this course, some Saturday sessions are required for photo-shoots.

****HEALTH****

FRESHMAN HEALTH 80

9

Required: 1/2 credit

The Freshman Health Class is designed to introduce the student to the basic concepts of taking care of oneself physically, emotionally and mentally. An emphasis is placed on behavior, personality development, and emotions, and how these parts are integrated into the total person. Also addressed are various control systems which play a major role in physical development. The use of coping mechanisms to deal with stress are addressed and strategies used in decision-making skills are emphasized.

SOPHOMORE HEALTH 81

10

Required: 1/2 credit

The Sophomore Health Class is designed to build on the foundation established during Freshman Health. The focus of this course includes a thorough study of the structure of bones and muscles, physical fitness components, and the importance of maintaining some level of fitness in their lives. Issues of nutrition and consumer concerns are explored. Students are introduced to their role and responsibility regarding public and consumer health issues.

****INDUSTRIAL ARTS****

INDUSTRIAL ARTS I 90 9,10,11,12
Elective: 1/2 credit One Semester
Basic drafting and beginning woodworking will be covered in this course.

INDUSTRIAL ARTS II 91 10,11,12
Elective: 1 credit Two Semesters
Prerequisite: Industrial Arts I
This is a course for the student interested in advanced woodworking. Students will be challenged by completing a more complex woodworking project.

ARCHITECTURAL DRAFTING 92 10,11,12
Elective: 1/2 credit One Semester
Prerequisite: Industrial Arts I
The student will develop a set of “dream home” plans. Current trends in home construction and surveying will be explored.

INDUSTRIAL ARTS III 93 11,12
Elective: 1/2 credit One Semester
Prerequisite: Industrial Arts II
This is the most advanced woodworking course offered at CHS. Building upon skills learned in IA I and IA II, the student will complete a woodworking project with a high level of difficulty.

PRACTICAL CARPENTRY 94 11,12
Elective: 1/2 credit One Semester
Restrictions: Limited to 15 students
This class is designed for the student who has an interest in the field of carpentry. This is a hands-on carpentry class, offering experience in all areas of carpentry and instruction in the art of designing and building homes.

****PHYSICAL EDUCATION****

FRESHMAN PHYSICAL EDUCATION 140 9

Required: ½ credit

The Physical Education courses are designed to teach, enhance, improve, and refine each student's level of performance. The respect for each individual's skill potential is emphasized through various team, individual, and dual activities. The basis of the course is to develop the "total" person. In addition, an emphasis is placed on developing and encouraging a healthy attitude toward and an appreciation for physical activity. A key factor in this development is the responsibility of the individual to develop and enhance the whole idea of wellness.

SOPHOMORE PHYSICAL EDUCATION 141 10

Required: ½ credit

The Physical Education courses are designed to teach, enhance, improve, and refine each student's level of performance. The respect for each individual's skill potential is emphasized through various team, individual, and dual activities. The basis of the course is to develop the "total" person. In addition, an emphasis is placed on developing and encouraging a healthy attitude toward and an appreciation for physical activity. A key factor in this development is the responsibility of the individual to develop and enhance the whole idea of wellness.

LIFETIME ACTIVITIES 142 11, 12

Elective: ½ credit

One Semester

Students are active participants in a wide variety of physical activities. This class also promotes the importance of maintaining an interest in physical activity during adulthood.

****RELIGION****

RELIGION 9 - CATECHISM 150 9

Required: ½ credit

1st Semester

This is a course to introduce the Catechism of the Catholic Church (CCC) to the students. Students will learn how to use the CCC as a resource. Students will study the Apostle's Creed and the faith of the Church and apply them to their lives. The course will focus on basic content of the faith including the existence of God, the Holy Trinity and each Person of the Holy Trinity, the Church and its place in the life of a Catholic, Mary, the Seven Sacraments, and Prayer.

RELIGION 9 - PERSONAL MORALITY 151 9

Required: ½ credit

2nd Semester

Students will study the Church's teaching on morality to assist them in the formation of conscience, moral decision making, virtues, and awareness of sin. Natural Law, the Ten Commandments, the Beatitudes, and Church Law will serve as the backbone for discussion. Students will examine moral dilemmas based on the principles found in the Catechism, and look at each of the Commandments in depth, along with a discussion of virtue and how virtue is acquired.

RELIGION 10 - OLD TESTAMENT 152 10

Required: ½ credit

1st Semester

Students will read the Old Testament and study it. Students will know and appreciate the major themes and issues in the Old Testament. The students will develop a deeper understanding of how God has worked in human history and still works in the present.

RELIGION 10 - NEW TESTAMENT 153 10

Required: ½ credit

2nd Semester

Students will read and study the Gospels and Epistles. Students will study the development of the New Testament and understand some of the social, political, and religious features of the first century world so that students can better understand by putting the Scriptures in the context they were written.

RELIGION 11 - CHURCH HISTORY 154 11
Required: ½ credit 1st Semester
This course will cover the major developments and key persons in the history of the Catholic Church. The course will cover a period of time from the beginning stages of the Church with the Apostles at Pentecost up until the Church in its present day. Throughout the semester the students will be preparing for the sacrament of Confirmation.

RELIGION 11 - SACRAMENTS 155 11
Required: ½ credit 2nd Semester
This course studies the history and theology of the seven sacraments in detail. This includes the development of the rite and doctrine of each of the sacraments. Throughout the semester the students will be preparing for the sacrament of Confirmation.

RELIGION 12 - CHRISTIAN LIFESTYLE 156 12
Required: ½ credit 1st Semester
The focus of this class is the various vocations; single, married, religious and priesthood. Matters pertaining to all the various vocations such as basic human needs and communication will be studied. Part of the semester will be spent studying Pope John Paul II's "Theology of the Body" in order to better understand God's plan for each individual.

RELIGION 12 - SOCIAL JUSTICE 157 12
Required: ½ credit 2nd Semester
Students will discover how we as a Church are called to inspire right attitudes with respect to earthly goods and socio-economic relationships. The Bible, Catechism of the Catholic Church and the seven categories of social justice as written by the United States Council of Catholic Bishops are used as resources. Key areas covered in the course are respecting human dignity, the just war theory, poverty and hunger, and the homeless.

****SCIENCE****

PHYSICAL SCIENCE 170 9
Required: 1 credit
This full-year class will investigate the organized and predictable way in which matter, non-living material, reacts in certain situations. We will look into energy, force, and motion. Labs and projects are important features in this class.

BIOLOGY 171 10
Required: 1 credit
This year long course will investigate the organization and characteristics of living organisms. We will look into such things as how one-celled organisms are similar and different and what processes all living organisms need to carry on for survival. The classes organisms are categorized as microbiology, genetics, ecology, and organismic biology.

BASIC CHEMISTRY 172 10,11,12
Elective: 1 credit
Prerequisite: Physical Science
This course is a continuation of physical science, and will look at elements and their properties, organic and biological compounds and interactions of matter. This is a helpful class for those who need science for college but not chemistry.

CHEMISTRY 173 11,12
Elective: 1 credit
Prerequisite: Physical Science, Biology, Algebra
This full-year course will take an in-depth look at matter and its characteristics. We will look at the building blocks of matter and its predictable and sometimes unpredictable behavior. We will look at practical uses for the study of chemistry and how much chemistry is actually in our lives and in nature. Labs will accompany many sections we will cover.

CHEMISTRY II 181 12
 Elective: ½ Credit One Semester
 Prerequisite: Chemistry

This course will cover topics such as calorimetry, behavior of gases, acid and bases, neutralization reactions, etc. This is a good course for students who will need to take chemistry in college.

ADVANCED BIOLOGY 174 11,12
 Elective: 1 credit

Prerequisite: Physical Science, Biology, Chemistry recommended or concurrent.

This full year course will introduce students to the fields of anatomy, physiology, genetics, molecular biology, microbiology, immunology and histology. This is a college prep course designed to introduce many key concepts and ideas that will be encountered in science college courses. A must for students preparing for careers in medicine or the biological sciences.

BASIC PHYSICS 175 10, 11, 12
 Elective: ½ credit One Semester

Prerequisite: Physical Science

This course will help the student prepare a student for a physics course. We will investigate the waves that cause light and sound as well as energy sources (electricity, magnetism and nuclear). This course provides an excellent base for physics.

PHYSICS 176 12
 Elective: 1 credit

Prerequisite: Algebra II, Physical Science

Restrictions: If not taking Pre-Calculus before or in conjunction with Physics, teacher approval is required.

Physics is the study of energy and the laws of nature. Topics covered will include: motion, gravity, forces, heat, waves, sound, light, magnetism, and electricity. Students will perform interesting laboratory experiments. This course is a must for those planning careers in science and engineering.

ASTRONOMY I 177 11,12
 Elective: ½ credit One Semester

Students will explore the fascinating universe beyond our own planet. Topics include an overview of the solar system, theories for the formation of the solar system, motions of planetary bodies, the nine planets, the moon and the sun.

ASTRONOMY II 178 11,12
 Elective: ½ credit One Semester

Prerequisite: Astronomy I

This course is a continuation of the study of astronomy. Students will study asteroids, comets, stars and their formation, galaxies and theories of the formation of the universe.

ENVIRONMENTAL SCIENCES 179 11,12
 Prerequisite: Physical Science, Biology One Semester

Elective: ½ credit

Environmental studies is a discussion based course that involves a variety of activities, including laboratory and field projects. Some other topics of study include lake ecology, watersheds, pollution, etc.

****SOCIAL STUDIES****

WORLD HISTORY	190	9
Required:	1 credit	
World History is a broad study of peoples and the Earth. Topics include early humans, ancient civilizations (Egyptians, peoples of the Fertile Crescent and Sub-Saharan Africa, Mayans, Incas, Aztecs), classical civilizations (Greece, Rome), Middle Ages, the Crusades, Renaissance, Scientific Revolution, Age of Reason, Age of Enlightenment, European revolutions, Industrial Revolution, WWI, WWII, Korean War and the Vietnam War.		
AMERICAN HISTORY	191	11
Required:	1 credit	
This is a comprehensive course in American History. The emphasis is on the 20th Century. The focus is on the social, economic, and political events which shape our lives today.		
WORLD GEOGRAPHY	192	10,11,12
Required:	1 credit	
This course will begin by examining the discipline of geography. Students will build upon existing map skills and learn how a geographer utilizes a variety of tools to make decisions concerning the Earth, the people who exist on it, and environmental challenges. The course will then cover various regions of the Earth, including Asia, South America, Europe, Africa, Australia, Antarctica, and Oceania. Students will learn about the physical landscape, climate, history and government, peoples/cultures, economy, natural resources, and environmental concerns of each region.		
WORLD PROBLEMS	194	12
Required:	1 credit	
This course links a comprehensive view of United States government with daily events which affect our lives. Resources include texts, newspapers, news magazines, guest speakers, and personal observations.		
POLITICAL SCIENCE	195	12
Elective:	1 credit	
Restriction:	By consent of instructor. May be substituted for World Problems.	
The study of political science provides students with opportunities to investigate political phenomena ranging from the behavior of the individual citizen to relations among states in the international arena. The program seeks to develop an awareness of the moral and ethical implications of political action as well as an understanding of political institutions and processes. This course is designed for advanced students who intend to attend college and have shown an aptitude in the social sciences.		

LATIN I 215

10,11,12

Elective: 1 credit

Latin I will introduce the basics of the Latin language including declensions of nouns and conjugations of verbs, studying sentence structure, and building vocabulary, and writing. Students will be evaluated based on homework, quizzes on new material and an exam at the end of each quarter.

****NUHS SHARED-TIME COURSE DESCRIPTIONS****

(Subject to change by New Ulm Senior High School.)

Full course descriptions and prerequisite information may be obtained from the CHS principal and/or counselor.

Shared-time courses are available in the following areas:

Agriculture

Business

Family and Consumer Science

Industrial Technology

World Languages

If choosing shared-time courses, keep in mind that District 88 students have priority when registering for these classes. If the class reaches the restricted number, our students cannot be admitted. Please choose alternate courses for any shared-time course you select.

Due to scheduling and transportation, any student enrolled in a NUHS class will be allowed to carry a maximum of seven credits per year.