

2019 - 2020

Shanley High School

*A Community Inspiring Excellence through
Faith, Learning and Service*



Program of Studies Course Descriptions

*JPII Catholic Schools Mission Statement:
... to inspire excellence by teaching the total person and fostering the following of Christ,
as taught by the Catholic Church*

Shanley High School

Course Descriptions- Grades 9-12

Shanley High School's course selections and registration information can be found in this booklet. Careful study of the booklet, plus consultation with teachers, parents and the school counselor, should ensure students enrolling in appropriate courses. In order to balance class loads, it is sometimes necessary to adjust students' schedules. However, every effort is made to place students in the courses they request.

This course description booklet should prove valuable in determining the nature of each course, the credit that can be earned, and any prerequisites needed.

All the classes we can offer for that year are contained in this booklet. **If less than fifteen (15) enroll in any class, it may be necessary to drop that class from the schedule for that year.**

Students may not substitute Shanley High School required coursework by taking that coursework at an area school unless they have failed the coursework at Shanley High School. They may then complete the coursework in summer school at a public school or retake it at Shanley High School. The elective courses offered at local colleges/universities are not to be substituted for the elective courses offered at Shanley High School.

All summer school classes taken must be approved in advance, through the Principal's Office to receive credit for that course. Credit may not be granted for courses taken without prior approval.

If you have any further questions regarding your schedule for the next academic year, please direct them to the Principal or the Counseling Office.

MINIMUM COURSE REQUIREMENTS FOR GRADUATION

Proper course selection by students is an important matter. Each course should be carefully selected as an integral part of the student's four-year educational plan. Carefully thought out course selections are equally important to the school as commitments for staffing for the next year are based on the student selections. Therefore, changes in student course selection will only be made in cases of extreme hardship.

The Shanley Graduation requirement:

Class of 2019-2021

4 credits English
4 credits Religion
3 credits Math (Algebra I, Geometry, Algebra II)
3 credits Science (Physical Science and Biology)
3 credits Social Studies
(W. Hist. or AP Euro, US Hist. or AP US Hist., POD I & II)
1.5 credit Physical Education/Health
(PE I, Health 9 and H/F or Nutrition)
3 credits Fine Arts, Foreign Lang., or Career & Tech. Ed
2.5 credits Elective classes
24 total credits

Class of 2022 (and beyond)

4 credits English
4 credits Religion
3 credits Math (Algebra I, Geometry, Algebra II)
3 credits Science (Physical Science and Biology)
3 credits Social Studies
(W. Hist. or AP Euro, US Hist. or AP US Hist., POD I & II)
1 credit Physical Education/Health
(PE I and Health 9)
3 credits Fine Arts, Foreign Lang., or Career & Tech. Ed
3 credits Elective classes
24 total credits

* Transfer students will not be required to complete 4 credits of religion. He/she must take and pass religion each semester while attending Shanley High School.

COURSE WITHDRAWAL & ADD DEADLINES

All schedule change request to add or drop courses is due 2 weeks before the start of school. To drop from a class after the allowed time, students must complete a withdrawal form. Please see the student handbook for more details.

SUGGESTED FOUR-YEAR COLLEGE PREPARATORY COURSES

The minimum suggested requirements for four-year college preparation are listed below. It is important to check specific college requirements early in your high school planning. Some courses do not meet requirements for four-year colleges. Please check with your counselor for further information.

<u>Credits</u>	<u>Subject</u>
4	English
3	Mathematics
3	Lab Science
3	Social Studies
2	Foreign Language (in the same language)
1	Fine Arts- Choir, Band, Visual arts

ADVANCED PLACEMENT / DUAL CREDIT PROGRAMS

The Advanced Placement (AP) Program, a part of College Board, encourages high schools to offer challenging college-level work to highly motivated, qualified students. The expectation is that the AP student will take the national AP exam in the spring and pay the exam fee (\$92). Depending upon the student's score, college credit may be earned. The AP program is accepted at nearly 90% of colleges and universities that students will be attending. Students who are involved intensely with several extracurricular activities and responsibilities, have attendance problems, or are not in good standing may not be approved for AP classes

The Dual Credit (DC) Program allows juniors and seniors to enroll in University dual credit courses taught at Shanley High School or an online environment. Students who enroll in University approved dual credit courses earn college credit and high school credit at the same time. All dual credit courses require additional fees by the University.

Course Requirements

Enrolling in an AP, DC, or advanced level course is based on the following three criteria: the students standardized test scores, academic performance in previous classes (generally a 3.0 cumulative GPA or higher), and teacher recommendation.

ONLINE COURSES

Shanley High School allows students to take online classes for elective or credit recovery only. These classes do not include required courses for graduation or courses that Shanley already offers. The online class is designated a period in the students schedule and needs to be completed during the normal semester time frame. Completed online classes receive the same credit as our regular classes. All online classes offered through the North Dakota Center for Distance Education require that students pay a fee for the class (approximately \$170).

SHS CO-CURRICULAR ATHLETIC & ACTIVITY PROGRAMS

Baseball	SHACK (school newspaper)
Basketball (Boys & Girls)	Soccer (Boys & Girls)
Captains Council	Shanley TV
Cheerleading	Softball
Cross Country (Boys & Girls)	Spanish Club
Debate	Speech
Football	Student Ambassadors
Garden Club	Student Congress
Golf (Boys & Girls)	Student Council
Gymnastics**	Swimming (Boys* & Girls)
Hockey (Boys* & Girls**)	Teens for Life
Honor Choir Ensemble & Worship Teams	Tennis (Boys & Girls)
Honor Society	Theater (fall play, spring musical)
Junior Classical League/Latin Club	Track & Field (Boys & Girls)
Philanthropy and Youth (PaY)	Trap Shooting Club
Radio Club	Volleyball
Science Bowl	Wrestling**
Service Club	Yearbook

* Co-Op with Fargo South High School

**Co-Op with Fargo Public Schools

Shanley High School 4-year Course Plan

	9 th grade	Credit	10 th grade	Credit	11 th grade	Credit	12 th grade	Credit
English	English I	1	English II	1	English III	1	English IV <i>or</i> AP English	1
Math								
Science	Physical Science	1	Biology	1				
Social Studies			World History <i>or</i> AP European History	1	US History <i>or</i> AP US History	1	POD I & II	1
PE/Health	PE I Health 9	.5 .5	H/F or Nutrition (offered in 10,11 or 12gr)	.5				
Religion	Religion I	1	Religion II	1	Religion III	1	Christian Vocations Charity & Justice	.5 .5
Electives								
Electives								
Electives								
Electives								
Total (8 credit max.)								

Shanley Graduation requirements: 24 total credits

- 4 English
- 4 Religion
- 3 Math (Algebra I, Geometry & Algebra II)
- 3 Science (Physical Science, Biology)
- 3 Social Studies (W. History or AP Euro., US History or AP US History, Problems of Democracy I & II)
- 1.5 Physical Education/Health (PE I, Health 9 and either Health/Fitness or Nutrition)
- 3 Fine Arts, Foreign Language, or Career & Technical Education
- 2.5 Additional Elective classes

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BUSINESS AND TECHNOLOGY DEPARTMENT

Accounting I	1 Credit	Elective	Grade 10-12	No Prerequisite
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Students will learn the basic tool of business by gathering, analyzing and interpreting financial information. Specific items covered in class include but are not limited to worksheets, journalizing, payroll accounting, balancing bank statements, and accounting for sales, purchases, assets, depreciation and accounts receivable and payable. This course provides an understanding of principles, concepts, and procedures of accounting that every student should have for personal and business use.

Business Law	½ Credit	Elective	Grade 10-12	No Prerequisite
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Business Law will introduce students to the laws that affect their daily lives. Areas covered are criminal law, civil law, ethics, contract law, employment laws, rules and regulations, insurance laws, personal law, and tort law. The goal of this course is to help students become aware of their rights and responsibilities as citizens.

Computer Apps I	½ Credit	Elective	Grade 9-12	No Prerequisite
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A course in personal computers using Microsoft Windows and Office Suite applications. This course also covers PC history, hardware, software, ethical use and operating concepts. The student will receive hands on experience focused in MS Windows, Word, Excel, and introductory HTML programming with potential of working with Power Point and other programs as time permits.

Computer Apps II	½ Credit	Elective	Grade 9-12	Preq: Comp Apps I
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This course will expand on Microsoft Office knowledge of PowerPoint. It will broaden your computer skills by introducing Microsoft Office Access (database) Publisher, Adobe Photoshop and Flash if time permits. Project based activities will be the focus of this course in conjunction with shorter, daily assignments.

Personal Finance	½ Credit	Elective	Grade 11-12	No Prerequisite
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Personal Finance is a course designed to help students understand the impact of individual choices on occupational goals and future earnings potential. Real world topics covered will income, money management, spending and credit, as well as saving and investing. Students will design budgets, simulate use of checking and savings accounts, demonstrate knowledge of finance, debt, and credit management; and evaluate and understand investment opportunities, insurance and taxes. This course will provide a foundational understand for making informed personal financial decisions.

Web Design	½ Credit	Elective	Grade 10-12	No Prerequisite
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Learn more about graphic design, HTML, and creating interactive websites. This course introduces you to graphic design by introducing Adobe Photoshop, basic web development using HTML, and web development using Adobe Dreamweaver.

Multimedia	½ Credit	Elective	Grade 10-12	Preq: Web Design
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This is designed to provide students with hands-on skills involving graphic design, desktop publishing, digital imaging, animation and digital audio/video editing. Students use various hardware and software for completing projects.

ENGLISH / LANGUAGE ARTS

English I	1 Credit	Required	Grade 9	No Prerequisite
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English I focuses on sentence structure with a concentration on phrases, clauses, and sentence types in order to increase proficiency in sentence fluency. The course covers vocabulary based on Greek and Latin roots to improve word choice in writing assignments, which include prose work based on the five-paragraph essay and research papers with MLA format. English I introduces the use of parenthetical citations and reviews the format of the MLA works-cited page. Students also produce various forms of both traditional and modern poetry. English I introduces freshmen to traditional and contemporary works of nonfiction, drama, poetry, and fiction in the form of short stories as well as novels. Students participate in literature circles that meet weekly to discuss and analyze the literary elements and merit of various classic novels.

English II	1 Credit	Required	Grade 10	Preq: English I
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English II explores a variety of literary genres through different textual mediums. This study will advance the critical thinking and interpretive reading skills introduced in previous years. This course will review basic grammatical skills and leads into more advanced areas of grammar, with an emphasis placed on the writing process through various genres including novels, essays, short stories, poetry, and informational texts. Students will advance their understanding of composition through paragraph development and multi-paragraph essays, including an emphasis on research skills. Students will further their understanding of using MLA properly throughout the course of the school year.

English III	1 Credit	Required	Grade 11	Preq: English II
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American Literature reviews writing skills taught in previous writing courses with an emphasis on expository forms. English III also continues examination and application of the research process and writing of academic papers using MLA format style from previous learning. Grammar review and study are addressed and reiterated as necessary, especially when discovered in student writing. American literature pursues close reading of the literature of American authorship with the intent of examining, analyzing, interpreting, and discovering themes through sequential, chronological review of period pieces of short fiction, essays, nonfiction, novels, and poetry. A research paper properly using the MLA format is required, and students planning to take AP English as seniors will be expected to independently read two classics their junior year.

English IV	1 Credit	Required	Grade 12	Preq: English III
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Senior English surveys British Literature in its various forms and genres from the Anglo-Saxon period through Modern and 20th Century. The forms that students analyze and interpret through close reading include national epics, poetry, short fiction, novels, nonfiction, and drama. Students continue to expand and build on their personal writing processes through one major research paper and several shorter academic writing products in preparation for the rigors of college writing. An extensive research paper in the fall is performed to ensure a complete understanding of MLA format, research methods, academic diction, and objectively writing about a topic of personal interest. The spring semester writing focuses on professional writing and speaking skills to introduce students to communication skills they will need during college application, entrance, and post-graduate or career processes, including interview techniques, resumes, formal letter writing, and professional email etiquette.

AP English Lit. & Comp	1 Credit	Placement	Grade 12	Preq: English III
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Advanced Placement English Literature and Composition offers able high school seniors a rigorous opportunity to earn college credit in English while in high school. Advanced Placement English students are encouraged to take the national Advanced Placement Literature and Composition Test in the spring of their senior year; the institution of the students' choice may give one-half to one year of college credit. Students will critically and analytically read representative literature from various genres and periods; in class discussions, speeches, and in critical writing, students are responsible for showing they have read perceptively by presenting and defending their insights. Students maintain a writing portfolio of literary analyses, commentary, and original poetry. The Advanced Placement Program requires summer reading and a composition that follows the format of literary analysis; a summer reading list will be provided prior to course registration.

Journalism	1 Credit	Placement	Grade 9-12	No Prerequisite
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Journalism is a yearlong course designed for students interested in newspaper journalism and developing their skills as a writer. Students will also be introduced to photojournalism and video journalism. The course explores media and the importance of ethical reporting. Students will learn the fundamentals of news, feature, editorial and sports writing. Copy reading, news styles and editing techniques will be stressed. Students will learn the fundamentals of In-design and Photoshop, resulting in the publication of the school newspaper, the S.H.A.C.K.

FINE ARTS

ART

Art I	½ Credit	Elective	Grade 9-12	No Prerequisite
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This class is designed to introduce students to a wide variety of art materials and processes, art history, and art criticism through drawing, printmaking, oil pastel, and sculpture. Students learn how to create a visually pleasing composition and will have a good understanding of the elements and principles of design.

Art II	½ Credit	Elective	Grade 9-12	Preq: Art I
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This class builds off of materials and techniques previously learned in Art I. Students use more critical thinking and problem solving to create their works of art. Students are introduced to new artists, new printmaking methods, sculpture techniques, and painting. Students participate in group critiques to help develop their understanding and purpose of their own art as well as their peers. The elements and principals of design are stressed even more in Art II.

Art III	½ Credit	Elective	Grade 10-12	Preq: Art I & II
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This is an advanced level art course with more in-depth assignments. Students will achieve a higher level of thinking when it comes to creating their artwork. Students will be able to make real world connections with the art that they create. Students will do artist research and learn about more artists to help develop their own art style. For the more serious are student, they may begin assembling a portfolio.

Clay and Sculpture I	½ Credit	Elective	Grade 11-12	No Prerequisite
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This course will concentrate on 3-dimensional design and construction in clay and other materials. Students will learn about the stages of clay, the history of clay, and the many hand building methods used to create structures/vessels. Students will learn multiple finishing and surface techniques, and will also have the opportunity to work on the potter's wheel.

Clay and Sculpture II	½ Credit	Elective	Grade 11-12	Preq: Clay and Sculpture I
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Advanced pottery techniques and methods will be taught in this class. Students have more in depth projects and are encouraged to use more problem solving and creative ways to make 3D works of art. Artist research, art history, and many other real world connections will be used to help students create their artwork. Potter's wheel, mosaics, and other firing processes will be used.

Advanced Art	½ Credit	Placement	Grade 12	Preq: Clay and Sculpture I–II & Art I-III
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Teacher recommendation is needed. This class is for students who are serious about making art a part of their future career. Students will begin, or continue, to assemble a portfolio and get help applying or preparing for an art degree in college. Students will have rigorous art critiques to help push them to create meaningful works of art. Students' artwork will be conceptual and must have a theme in their body of work. Their semester work will include a minimum 5-7 finished pieces that can be added to their portfolio.

MUSIC

Band	1 Credit	Elective	Grade 9-12	No Prerequisite
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As an upper level-performing ensemble, the Concert Band strives for fine musical results and has a full schedule of appearances during the school year. The Concert Band will perform a diverse array of medium to advanced band repertoire throughout the year. Musicianship through phrasing and other upper level skills are the focus of this ensemble. Students are expected to contribute a positive attitude and participate fully towards the success of the group, regardless of their level of playing expertise or experience. Performance level will be improved through the completion of required group and individual lessons. The ensemble performs in 3 formal concerts during the school year. Students are expected to attend all rehearsals and performances. There are additional opportunities available to participating students including honor bands, solo and ensemble contest and smaller auditioned performing ensembles.

Chorale	1 Credit	Elective	Grade 11-12	No Prerequisite
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Concert Chorale is a year-long ensemble for men and women that meets daily for both semesters. The repertoire will include choral music of all styles and periods. The performance schedule is shared with both ensembles during the year. Singers shall learn the fundamental concepts necessary to develop a beautiful and healthy singing voice as well as build teamwork and camaraderie within the ensemble.

- Students are expected to contribute their attitude and participation fully towards the success of the group, regardless of their level of singing expertise or experience.
- Performance level will be improved through the completion of required group and individual lessons.
- The ensemble performs in 5 formal concerts during the school year. Students are expected to attend all rehearsals and performances.
- There are additional opportunities available to participating students including honor choirs, solo and ensemble vocal contest and smaller auditioned performing ensembles.

Varsity Choir	1 Credit	Elective	Grade 9-10	No Prerequisite
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The repertoire shall include choral music of all styles and periods. Singers shall learn the fundamental concepts necessary to develop a beautiful and healthy singing voice as well as build teamwork and camaraderie within the ensemble. Much time will be spent building and reinforcing the fundamentals of singing and ensemble music-making.

Sophomores are welcome to audition for Concert Chorale if they wish. Acceptance in this ensemble will be dependent upon numbers and balance in both choirs. If accepted, your schedule will then be modified to accommodate the change, if possible.

- Students are expected to contribute their attitude and participation fully towards the success of the group, regardless of their level of singing expertise or experience.
- Performance level will be improved through the completion of required group and individual lessons.
- The ensemble performs in 5 formal concerts during the school year. Students are expected to attend all rehearsals and performances.
- There are additional opportunities available to participating students including honor choirs, solo and ensemble vocal contest and smaller auditioned performing ensembles.

FOREIGN LANGUAGE

Latin I	1 Credit	Elective	Grade 9-12	No Prerequisite
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This course is an introduction to the language, history, culture and mythology of the Romans. Emphasis will be on development of reading and writing skills most important to this unspoken language. The vocabulary units will include words that would have been used by a family living in the first century AD. The students will also begin studying the roots of the vocabulary of a large part of English and all the Romance languages. Furthermore, the students will gain a clearer understanding of a culture different from our own, and at the same time, discover the beginnings of many of the ideas of Western Civilization.

Latin II	1 Credit	Elective	Grade 10-12	Preq: Latin I
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A continuation of Latin I, Latin II presents further development of reading and writing skills. The students also develop the historical, cultural and mythological themes introduced in Latin I. Students will gain a deeper understanding of how the Latin Language effects our own culture. The mythology, culture, history, are much more in depth than the year one.

Latin III	1 Credit	Elective	Grade 11-12	Preq: Latin II
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Continuing with the Grammar and Vocabulary of Ecce Romani, students will be preparing to read original work from the classical time period. The material will cover more specific instances of usage, grammar, and vocabulary actually used by original speakers of Latin. The students will concentrate on history, mythology, and culture of the Roman people through specific instances throughout the whole of ancient Rome.

Latin IV	1 Credit	Elective	Grade 12	Preq: Latin III
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This course is based on the AP Latin Literature course. The student should be able to take the AP Latin Literature Test in the spring, if he or she chooses. This is not an AP course however. Students will read and translate various works in an effort to actually understand Latin in its native use, without need of translation. The literary works will be studied for the use of language, simile, metaphor and other poetic devices, some specialized to Latin and others common to both English and Latin.

Spanish I	1 Credit	Elective	Grade 9-12	No Prerequisite
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This first-level Spanish course offers students a balanced approach to language-learning, giving careful attention to the basic skills of listening, speaking, reading, and writing. Students will engage in conversations, express feelings, and exchange opinions on topics such as likes/dislikes, school life, hobbies, sports, family, travel and weather. Within these topics, students will build an awareness of culture, including attitudes and lifestyles in Spanish-speaking countries. Teaching and learning methods actively engage students in a variety of activities, which incorporate technology, music, and videos.

Spanish II	1 Credit	Elective	Grade 10-12	Preq: Spanish I
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This course builds on the fundamentals and skills presented in Spanish I. Students will engage in conversations, develop listening skills, and write in the Spanish language. Thematic units presented include food, daily routines, celebrations, health, technology, and housing. Within these units, students will build an awareness of culture, including attitudes and lifestyles in Spanish-speaking countries. Teaching and learning methods actively engage students in a variety of activities, which incorporate authentic materials, interactive technology, music, and videos.

Spanish III	1 Credit	Elective	Grade 11-12	Preq: Spanish II
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This third-year Spanish course is designed to build advancing skills of listening, speaking, reading, and writing through conversations, discussions, readings and practical writing activities. This course will refine and introduce new structures in grammar as well as vocabulary. The study of Spanish-speaking people, their customs and cultures includes units on nature, health and fitness, city life, professions, fine arts and current events. Participation and conversation are integral parts of this course. Teaching and learning methods actively engage students in a variety of activities, which incorporate authentic materials, interactive technology, music and videos. A minimum grade of C or permission from the instructor is required for entry to Spanish III.

Spanish IV	1 Credit	Elective	Grade 12	Preq: Spanish III
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The goals of Spanish IV are to improve students' ability to communicate in Spanish and develop a deeper understanding of the customs and cultures of Spanish-speaking people. Conversation, reading and composition are integral parts of this course as students learn to analyze literature. Grammar review and vocabulary are based on selected reading and thematic units of the text. A minimum grade of C or permission from the instructor is required for entry to Spanish IV.

MATHEMATICS

Algebra Skills and Concepts	1 Credit- Math 1 Credit- Elective	Placement	Grade 9	No Prerequisite
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This course is designed to strengthen the student's foundation of algebra concepts as well as take more time to prepare for the rigor of high school algebra and beyond. The course will have an extensive review of basic mathematical skills involving multiplication, division, addition and subtraction of real numbers. This course will cover the same topics as Algebra 1, however will allow for more attention paid to the basic operations of arithmetic with emphasis given to improved accuracy in the above operations within an elementary algebraic context. A scientific calculator is required. Note: A TI-83/84 Family graphing calculator is recommended for Algebra II and higher.

Algebra I	1 Credit	Required	Grade 9	No Prerequisite
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The main goal of Algebra 1 is to develop fluency in working with linear equations and inequalities. Students will extend their knowledge of the real number system, equivalent expressions, formulas, and polynomials including quadratics. Students will analyze situations numerically, graphically, and symbolically as well as make meaningful connections to life experiences. A scientific calculator is required. Note: A TI-83/84 Family graphing calculator is recommended for Algebra II and higher.

Geometry	1 Credit	Required	Grade 9-10	Preq: Algebra I or Algebra Skills & Concepts
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Geometry provides students with experiences that further develop their understanding of two and three dimensional objects and their properties. Properties and relationships of geometric objects include the study of: (1) points, lines, angles and planes; (2) polygons, with a special focus on quadrilaterals, triangles, right triangles; (3) circles; and (4) polyhedral and other solids. An understanding of proof and logic is developed along with real world applications. Throughout the course, students will be asked to compare and contrast various geometric topics. A scientific calculator is sufficient for this course.

Algebra II	1 Credit	Elective	Grade 10-12	Preq: Geometry
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Algebra II is an extension of algebraic and geometric concepts and develops problem solving strategies for use in applied situations. Students use technology to graph and analyze functions. This course emphasizes facility with algebraic expressions, especially linear and quadratic, powers and roots, and higher order polynomials. Students study logarithmic, trigonometric, polynomial and other special functions both for their abstract properties and as tools for modeling real-world situations. A graphing calculator is required; instruction is given for TI-83/84 Family.

Pre-Calculus and Trigonometry	1 Credit	Placement	Grade 11-12	Preq: Algebra II
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Pre-Calculus with Trigonometry is an advanced math course designed to prepare the students for Calculus. Students will continue to build on concepts covered in Algebra and Geometry such as functions and their graphs, and right triangle ratios. Topics also included are trigonometric formulas, ratios, identities, and applications; radian measures, vectors, conic sections, polar and parametric equations and the complex number system. A graphing calculator is required, instruction is given for TI-83/84 Family. A grade of C or better in Algebra II is highly recommended. Any questions, see your teacher.

Survey of Mathematics	½ Credit	Elective	Grade 11-12	Preq: Algebra II
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This course is designed to foster interest in and show the applications of mathematics. Topics may include: critical thinking, logic, calculator programming, graphing, base number systems, equations and inequalities, sequences and more according to student interest. This course will include a review of high school geometry and algebra concepts to prepare for college algebra courses. Emphasis will be on real-data application. A graphing calculator is required for this course; instruction will be given for TI-83/84.

Probability and Statistics	½ Credit	Elective	Grade 11-12	Preq: Algebra II
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This one-semester course offers an in-depth introduction to the field of statistics. Students will learn how to organize, interpret, and display numerical data. Data will be analyzed using statistical tools such as the normal distribution, the binomial distribution, and measures of center and spread. A large emphasis will also be placed on probability theory as it relates to statistics. A graphing calculator is required for this course; instruction will be given for TI-83/84.

AP Calculus AB	1 Credit	Placement	Grade 11-12	Preq: Pre-Calculus
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AP Calculus is the study of differential and integral calculus. Topics covered include: limits, derivatives and their applications, integrals and their applications, l'Hospital's Rule, and other calculus related theorems. We spend time preparing for the AP test. A graphing calculator is required; instruction is given for TI-83/84 Family. See AP course requirements for additional information.

PHYSICAL EDUCATION & HEALTH

Health 9	½ Credit	Required	Grade 9	No Prerequisite
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The health curriculum is designed to assist the students in making healthy choices. This course will inform students about their social, mental, and physical health and how the three sides interact together. Healthy choice units include alcohol, drugs, pre-marital chastity and the reproductive system. Additional units include an introduction to first aid and CPR.

Physical Education I	½ Credit	Required	Grade 9	No Prerequisite
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The freshmen physical education course is designed to provide each student with a greater understanding of the basic concepts involved with physical fitness. A variety of activities will be used to challenge the students both physically and cognitively. Students will be instructed in such areas as: fitness related activities, individual sports, team sports, cardiovascular fitness, and an introduction to weight training.

Health & Fitness	½ Credit	Req. Elective (or Nutrition)*	Grade 10-12	No Prerequisite
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The health and fitness course is designed to help students develop a higher level of physical fitness, while at the same time increasing their comprehensive knowledge in the area of physical fitness. Special emphasis will be placed on the major components of physical fitness; flexibility, muscular strength, muscular endurance, cardio-respiratory endurance and body composition. Students will be exposed to various methods of strength and cardiovascular training and the scientific principles that support them. Students will learn the importance of goal setting, different methods of assessing physical fitness and how to design their own fitness program.

*H/F (or Nutrition) is required for the graduating Class of 2019, 2020 and 2021. Starting with the graduating Class of 2022, this course will no longer be a required elective.

Nutrition	½ Credit	Req. Elective (or H/F)**	Grade 10-12	No Prerequisite
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This one semester elective course provides students and understanding of basic nutrition principles, food preparation and how it can change with their daily physical activity. The course will give the student the ability to evaluate all sources of nutritional information and make informed food choices to increase longevity and improve their quality of life. Instructional topics include understanding basic nutrients, sports nutrition, weight management, food safety, eating disorders and the consequences of unhealthy eating.

*Nutrition (or H/F) is required for the graduating Class of 2019, 2020 and 2021. Starting with the graduating Class of 2022, this course will no longer be a required elective.

Lifetime and Leisure Sports	½ Credit	Elective	Grade 10-12	No Prerequisite
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This sports education course is designed to teach students the importance of sports and lifetime fitness. More importantly, it is designed with intent to educate students to be “players” in the fullest sense of the word. Students will develop competency in all areas of sport. They will participate, officiate, keep score and take part in game management. This course will be used to help promote literacy, enthusiasm and a general understanding of sports and the importance of each specific facet.

Racquet Sports	½ Credit	Elective	Grade 10-12	No Prerequisite
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Racquet sports is a semester class. The semester is broken into three to four week units. The units consist of badminton, pickle ball, eclipse ball, racquetball, tennis and ping pong. Students will learn skills, the history and drills pertaining to each sport. Every week during the semester a day will be devoted to improving student’s cardiorespiratory fitness. Money will be needed

Weight Training	½ Credit	Elective	Grade 10-12	No Prerequisite
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for court fees.

This course is designed to promote physical fitness through progressive resistance (weight) training using the core lifts. Instruction will include the principles for resistance training and proper technical demonstration of the squat, bench, and power clean/deadlift. Student expectations include strength testing on three of the core lifts at the end of each quarter. The week is divided into four lifting days and one recovery day.

RELIGION

Religion course topics are arranged by the quarter. For example, “10.2” indicates the second quarter of 10th grade Religion. All Religion courses are correlated to the Catechism of the Catholic Church.

Religion I	1 Credit	Required	Grade 9	No Prerequisite
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9.1 The Shanley Mission

This introductory high school Religion course intends to orient students to high school; to the study and practice of the Catholic Faith; and to make students more fully aware of the mission and history of Shanley High School.

9.2 Introduction to Divine Revelation

A high school-level introduction to God’s Revelation and the Transmission of Divine Revelation through Sacred Scripture and Tradition. Includes history and usage of the Catechism of the Catholic Church.

9.3 The Old Testament

An overview of Salvation History through study of the Old Testament’s nature, structure, themes, and interpretation as well as its importance in the life of the Church and followers of Christ.

9.4 The New Testament

An overview of Salvation History through study of the New Testament’s nature, structure, themes, and interpretation as well as its importance in the life of the Church and followers of Christ. Particular focus on the life and teachings of Jesus Christ (the Gospels).

Religion II	1 Credit	Required	Grade 10	No Prerequisite
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10.1 The Celebration of the Christian Mystery I

A general understanding of the Liturgy and the Sacramental Economy, as well as study of the Sacraments of Initiation.

10.2 The Celebration of the Christian Mystery II

Focus on the Sacraments of Healing and the Sacraments at the Service of Communion.

10.3 Church History I (First Century to Thirteenth Century)

Study of the history of the Church of the Apostolic Age, the Patristic Era, the Medieval Era and the High Middle ages.

10.4 Church History II (Fourteenth Century to Twentieth Century)

Study of Church history from the Renaissance and Reformation through the Modern Era.

Religion III	1 Credit	Required	Grade 11	No Prerequisite
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11.1 The Profession of Faith I

A study of the Creeds, specifically Trinitarian articles (“I believe in God...”).

11.2 The Profession of Faith II

Focus on the remaining articles of the Creeds along with a unit on Apologetics (defending the Catholic Faith).

11.3 Life in Christ I

An examination of the general principles and norms of the Christian moral life.

11.4 Life in Christ II

With the Ten Commandments and the Beatitudes as a framework, a study of “the essential and unavoidable question...about the moral good to be done and about eternal life”. (Bl. Pope John Paul II)

Religion IV – Charity & Justice	½ Credit	Required	Grade 12	No Prerequisite
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12.1 or 12.3 Charity and Justice I

Direct service experiences in the home, school, parish and community and the foundations for such service in the Sacred Scriptures and Catholic Social Doctrine.

12.2 or 12.4 Charity and Justice II

Direct service experiences, as well as particular social issues in Catholic Social Doctrine.

Religion IV – Christian Vocations	½ Credit	Required	Grade 12	No Prerequisite
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12.1 or 12.3 The Call to Holiness: Christian Vocations I

An introduction to the Universal Call to Holiness. Vocations studied: Holy Orders and the Consecrated Life.

12.2 or 12.4 The Call to Holiness: Christian Vocations II

The Lay Vocations: the Single Life; Marriage and the Family, the Domestic Church.

STUDENTS ARE REQUIRED TO TAKE A RELIGION CLASS FOR EACH QUARTER OF ATTENDANCE AT SHANLEY. ATTENDANCE AT A CLASS RETREAT IS ALSO REQUIRED EACH YEAR. THOSE WHO MISS THE SCHEDULED RETREAT WILL BE REQUIRED TO DO A MAKE-UP. SERVICE HOURS ARE ALSO EXPECTED FOR EACH RELIGION CLASS. IN ADDITION, “THEOLOGY OF THE BODY” IS AN INTEGRATED COMPONENT EACH YEAR.

Religion Electives: the following courses are only offered to students who are on track to exceed the minimum requirements of 24 credits to graduate.

Intro to Philosophy	½ Credit	Elective	Grade 11-12 (gr 10 approval needed)	No Prerequisite
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Introduction to the principles of right reason and philosophical thought. Overview of the history of philosophy and philosophical schools. Exploration of the relationship between philosophy and theology.

Viewing Film Through the Lens of Faith	½ Credit	Elective	Grade 10-12 (gr9 approval needed)	No Prerequisite
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Students will view several religious and pop culture films, through the *Lens of Faith*. Classroom activities will include class discussions, journal entries, and studying the time period, setting, religious symbolism and meanings present in each film.

World Religions I	½ Credit	Elective	Grade 11-12	No Prerequisite
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Theologies and worship practices of major world religions (Judaism, Islam, Hinduism, Buddhism), as well as various Christian denominations and new religious movements.

SCIENCE

Physical Science	1 Credit	Required	Grade 9	No Prerequisite
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Physical science is an algebra-based course that provides an introduction to physics and chemistry as related to the four fundamental quantities of charge, distance, mass, and time. The course will focus on basic physics topics of motion, energy, electromagnetics, and wave theory as well as on physical chemistry to include the basics of chemical reactions, balancing chemical reactions, and acid/base reactions. A section of organic chemistry that focuses on organic molecules and organic nomenclature will also be included in the curriculum.

Biology	1 Credit	Required	Grade 10	No Prerequisite
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Topics covered in Biology are ecology and population dynamics, biochemistry and macro molecules, cell structure and function, genetics and heredity, and survey of characteristics and features of plant and animal phyla. The course includes lab work associated with each of the subject headings.

Chemistry	1 Credit	Elective	Grade 10-12	Preq: Phy Sci & Algebra II*
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***You must be in Algebra II or have taken the course in order to take this class.**

Chemistry is an introduction to the systematic study of matter and the changes matter undergoes. It is designed for a wide range of academic abilities and post-secondary interests. This course will serve as an excellent preparation for college level freshmen chemistry. Fundamental topics explored include: atomic structure and theory, periodic law, chemical bonding, acids and bases, equilibrium, the mole and stoichiometry, energy relationships, and nuclear interactions. Lab investigations are used to explore and explain the behavior of matter in a variety of inquiry and design scenarios that incorporate scientific reasoning, analysis, communication skills and real-world applications. An understanding of leading theories and how they have informed current knowledge prepares students with higher order cognitive capabilities of evaluation, prediction and application.

AP Chemistry	1 Credit	Placement	Grade 11-12	Preq: Phys Sci, Biology, Chemistry & Algebra II
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AP Chemistry is equivalent to a college level general chemistry course that provides rigorous inquiry-based study in four major areas: structure of matter, states of matter, reaction and descriptive chemistry. The student will demonstrate a basic understanding of, and the ability to apply, mathematical solutions to problems involving atomic theory and structures, chemical bonding, nuclear chemistry, kinetic theory, solutions, reaction types, stoichiometry, equilibrium, thermodynamics, and descriptive chemistry. Students must be highly motivated to tackle this rigorous course. At the end of the year, students are encouraged to take the Advanced Placement examination for college credit. Students taking this course may be required to complete laboratory work outside of the regular class time.

Anatomy & Physiology	1 Credit	Elective	Grade 11-12	Preq: Phys Sci & Biology
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This course is designed for those students wanting to study the human anatomy and physiology. Students will study the following topics: homeostasis, histology, the musculoskeletal system, the start of the nervous system the nervous system, along with the cardiovascular, lymphatic, respiratory, urinary, digestive, and reproductive systems.

Physics	1 Credit	Placement	Grade 11-12	Preq: Phys Sci, Biology & Algebra II
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Physics studies the laws governing the physical world around us and the mathematical relationships arising from those laws. The class will focus on the laws of motion on objects, energy, momentum, electricity and electrical currents. A student should anticipate extensive reading, group and lab work, use of internet sources, and an array of fun and educational activities.

Ecology	½ Credit	Elective	Grade 11-12	Preq: Phys Sci & Biology
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Ecology is a one semester lab science for juniors and seniors that will focus on biological science in relation to local geological formations and the ecology of North Dakota and Minnesota. Areas of focus will include the study of Earth's ecosystems and natural resources, the ways in which humans interact with other species and use natural resources, and some of the challenges humans face in sustaining life on Earth for future generations. Projects, real-world reading assignments, structured debates, and analysis of scientific journal articles are an integral part of the course. Lab activities may include water and soil sampling, air quality monitoring, experimental determination of the effects of acid rain on seed germination, population modeling, and construction of a physical model analogous to the atmospheric greenhouse effect.

Forensic Science	½ Credit	Elective	Grade 11-12	Preq: Phys. Sci & Biology
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Forensic science involves the identification, documentation, collection, and preservation of evidence from a crime scene. This class will focus lab techniques, application of the scientific method and problem solving. Laboratory exercises may include fingerprinting, handwriting analysis, ballistics, blood typing, hair and fiber examination, and DNA analysis. Case studies and current events will be explored.

SOCIAL STUDIES

World History	1 Credit	Required	Grade 10	No Prerequisite
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This course will study the effects of the Renaissance and Reformation, the Age of Science and Reason, the European Revolutions and the building of modern European nations. Also, students will study the Industrial Age, imperialism in Asia and Africa, and the Americas, the World Wars, and the Russian Revolution. The course will conclude with the study of twentieth century development as time permits. Among these are the US/Soviet Relations, Middle Eastern affairs, conflicts in East Asia, and post-9/11 threats.

AP European History	1 Credit	Placement	Grade 10-12	No Prerequisite
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The study of European history since 1450 introduces students to cultural, economic, political, and social developments that played a fundamental role in shaping the world in which they live. Without this knowledge, we would lack the context for understanding the development of contemporary institutions, the role of continuity and change in present-day society and politics, and the evolution of current forms of artistic expression and intellectual discourse.

US History	1 Credit	Required	Grade 11	No Prerequisite
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US History to 1900 (Sem 1): This course explores changes within the U.S. at the turn of the 20th century: Imperialism, Pan-Americanism, Conservatism, the Great Depression, and the politics that led to the beginning of World War II.

US History from 1900 (Sem 2): This course begins with World War II and the aftermath of the Cold War. This course is a survey of the major periods of American History of the 20th Century through to the present day. Major topics include the Cold War, Korean War, the Vietnam conflict, Watergate, the Persian Gulf Wars, and events of the 21st century.

AP US History	1 Credit	Placement	Grade 11-12	No Prerequisite
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This is a full survey of American History from pre-colonization to modern times and is designed to provide students with the analytic skills and factual knowledge necessary to deal critically with the problems and materials in United States history. This program will prepare students for intermediate and advanced college courses by making demands upon equivalent to those of full-year introductory college courses. Students will use primary, secondary and tertiary sources to assess historical periods and events as well as the cause/effect relationships that accompany these periods by weighing the evidence and interpretations presented in historical scholarship. The advanced placement United States History course will develop the skills necessary to arrive at conclusions on the basis of informed judgment, and to present ideas clearly and persuasively in essay format. The course is intended to prepare the student for the advanced placement exam.

Problems of Democracy I (POD I)	½ Credit	Required	Grade 12	No Prerequisite
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This course covers The Constitution and its Amendments, mechanics of government from origin, theory and philosophies to the constitution. A practical overview of the legislative, executive and judicial branches concludes the study.

Problems of Democracy II (POD II)	½ Credit	Required	Grade 12	No Prerequisite
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An attempt to present by theory and historical perspective some of the basic content of economics and to develop in the student the ability to reason clearly and objectively about economic issues are the goals of this course. The course will be based on an in-depth study of how the American economy works in relation to the consumer, the environment and the American economy in respect to the world picture. Included activities are a simulation of the Stock Market and creating a business project. Students will also learn personal finance skills that will aid them in making wise decisions as a future consumer.

Geography	½ Credit	Elective	Grade 9-12	No Prerequisite
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The course content will include map skills, physical forces that shape the earth, characteristics of human populations, economic patterns and distribution of resources. Practical application of the subject matter will be demonstrated in a variety of class activities.

ND Studies	½ Credit	Elective	Grade 9-12	No Prerequisite
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North Dakota Studies features a historical perspective about the Dakotas, statehood, and key leaders and events. Additionally, the state's geography, government and citizenship, as well as North Dakota's cultural landscape will be examined.

Sociology	½ Credit	Elective	Grade 10-12	No Prerequisite
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The course approaches human groups in their social surroundings and the relationships that people experience in-group interactions; the present social structures and their changing condition. Topics include social class, social change, conformity, family, discrimination, mass behavior and current social problems.

Global Issues	½ Credit	Elective	Grade 10-12	Preq: Geography recommended
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This course deals with contemporary world leaders, society's major concerns involving the environment, world peace, population growth, crime, terrorism, natural disasters, as well as society's response to these happenings. Current events will be studied in a geographical context, emphasizing spatial location. Course material relies on the following sources: newspapers, television, radio, film and periodicals.

AP Psychology	1 Credit	Placement	Grade 11-12	No Prerequisite
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The AP Psychology course is designed to introduce students to the systematic and scientific study of the behavior and mental processes of human beings and other animals. Students are exposed to the psychological facts, principles, and phenomena associated with each of the major subfields within psychology. They also learn about the ethics and methods psychologists use in their science and practice.

COURSES OFFERED ONLINE - ND DISTANCE EDUCATION (NDCDE)

Please refer to the ND Center for Distance Education (NDCDE) course catalog for full course offerings. The course catalog can be found online at www.NDCDE.org. Courses are completed during the school day and supervised through the resource classroom. All courses need to be approved by the school Principal. All online classes offered through the North Dakota Center for Distance Education require that students pay a fee for the class (approximately \$170). Students can take courses in the following subject areas:

Agriculture	Family & Consumer Science
Art	Music
Business Education	Physical Education & Health electives
Computer Education	Science electives
English electives	Social Studies electives

DUAL CREDIT COURSES OFFERED ONLINE- NDSCS

Please refer to the ND State College of Science (NDSCS) website for current year offerings. The courses can be found online at <https://www.ndscs.edu/become-a-wildcat/identify-my-unique-needs/dual-credit-high-school-students/>. Students have to apply online to NDSCS and pay the \$35 application fee. Once accepted, the NDSCS Foundation Early Entry Scholarship will pay \$150 per class to reduce the cost of tuition (while funds are available). With the scholarship included, tuition and fees for online students are approximately \$457 for a 3 credit class and \$660 for a 4 credit class. Students are only allowed to take one class per semester at the reduced rate. Students are also responsible to pay for their books needed for the course. Courses are completed during the school day and supervised through the Resource Room. All courses need to be approved by the school Principal.

Examples of classes:

Business Use of Computers	4 credits	Developmental Psychology	3 credits
Fundamentals of Public Speaking	3 credits	Intro to Sociology	3 credits
Medical Terminology	4 credits		