GEHLEN CATHOLIC HIGH SCHOOL

COURSE DESCRIPTION BOOKLET AND HANDBOOK 2020-2021
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GEHLEN CATHOLIC SCHOOLS

MISSION STATEMENT

GEHLEN CATHOLIC SCHOOL
STRAVES TO
PROMOTE AN OPENNESS TO GOD,
TO PROVIDE A QUALITY EDUCATION,
AND
TO INSTILL CATHOLIC VALUES
IN A
CARING
CHALLENGING,
AND
PRAYERFUL
ENVIRONMENT.
This Course Description Booklet/Curriculum Guide will provide information on the education program offered by Gehlen Catholic High School. A Catholic, four year, liberal arts program, including preparation for post high school education or employment can be developed using this guide. Specific course selections also allow students to pursue special interests. Begin the registration process by completing the following steps:

1. With your parents, study this guide carefully.
2. Complete the 4 Year Plan on page 20. (Fill in past, current, and projected course selections on the four year plan. Pay special attention to the requirements for graduation from Gehlen Catholic High School, as well as the entrance requirements for colleges and universities for which you might be interested.)
3. Log into your Infinite Campus account and go to the Academic Planning section. The required classes have already been selected for you. Choose any electives you would like to take in addition to the courses that are required for the upcoming school year.
4. Remind your parents to log into their Infinite Campus account to approve your Academic Plan.
5. Your class selections will be reviewed by teachers/advisors. If there are any suggested changes, they will be in touch with you.

Faculty, administration, and guidance department personnel will be available to discuss and assist students and parents in making course selections which will meet student needs. With the exception of state and local requirements, final decisions regarding curriculum choices are left with students and their parents. Prayers and best wishes for a successful 2020-2021 school year.

Mr. Jeff Alesch
7-12 Principal
I Have a Plan Iowa is a career and academic planning program designed to help students reach their highest potential. Students can explore careers, colleges and majors, learn about financial aid, find scholarships, and much, much more. Iowa Code specifies that all Iowa students must create an Individual Career and Academic Plan (ICAP) that is aligned to the student's career and academic goals. The ICAP requirement is for all students beginning in 8th grade. The basic requirements are to 1) prepare the student for successful completion of the required curriculum by graduation; 2) identify coursework in 9th-12th grade to support postsecondary education and career options; and 3) prepare the student to complete all essential components of a career information and decision-making system. The essential components include 1) self-understanding; 2) career information; 3) career exploration; 4) postsecondary exploration; and 5) career and postsecondary decision. At Gehlen Catholic, the I Have a Plan Iowa program is one tool used to help students achieve these goals.

Features & Benefits

I Have A Plan Iowa® includes many useful features that help individuals:

- Discover their strengths and interests
- Match interests, values and skills with education and employment opportunities
- Prepare for the ACT, SAT or GRE college entrance tests through free test preparation
- Explore programs and majors at Iowa’s colleges and universities
- Research financial aid and scholarship options
- Apply for all state-administered financial aid programs
- Build resumes and practice for job interviews
- Track activities from middle school, high school, college and beyond
I Have a Plan Iowa at Gehlen

All students in grades 8-12 will complete their grade-level ICAP (Individual Career and Academic Plan) during the school year. Each student has a user ID and password to log into their personal account. If students cannot remember their user ID or password, please see Mrs. Hausmann and your log in information can be reset.

www.IHaveAPlanIowa.org

College Admission Requirements

Admission requirements vary from college to college. Please look at each individual college's or university's website to find their requirements or contact Mrs. Hausmann. Iowa State University, The University of Iowa, and the University of Northern Iowa each have the same requirements, and they are listed below.

Iowa Regent Universities

Effective fall semester 2009, if you wish to enter any of the Iowa Regent universities (Iowa State University, The University of Iowa and University of Northern Iowa) as a freshman, you must meet the Regent Admission Index (RAI) requirement. If you meet the minimum high school course requirements listed below and you earn an RAI score of at least 245, you will automatically qualify for admission to any of the Iowa Regent universities. If you meet the minimum high school requirements and you earn an RAI score below 245, you may still be considered for admission to any of the Regent universities on an individual basis.

The most effective way to increase your RAI score is to take additional core courses (i.e., college-prep courses offered by your high school in any of the following subject areas: English, math, science, social studies, or foreign language). It will not only enhance your chances for gaining admission, it will also increase your likelihood for academic success after you’ve entered college!
So What’s Your RAI Score?
The RAI formula listed below is updated for all students entering college Summer 2020 or beyond.

- ACT composite score x 3
- Cumulative GPA x 30
- Number of years of high school core courses x 5

Regent Admission Index Score

Go to www.regents.iowa.gov/RAI/ to calculate your own RAI score.

Minimum Course Requirements for Admission at Iowa Regent Universities
Updated Fall 2016 by the Regent Universities

**English:**
- *Iowa State Univ.*: **4 years** emphasizing writing, speaking, reading, as well as an understanding and appreciation of literature.
- *The Univ. of Iowa*: **4 years** with an emphasis on the analysis and interpretation of literature, composition, and speech.
- *Univ. of N. Iowa*: **4 years** including one year of composition, also may include one year of speech, communication or journalism.

**Math:**
- *Iowa State Univ.*: **3 years**, including one year each of algebra, geometry, and advanced algebra.
- *The Univ. of Iowa*: **3 years**, including two years of algebra and one year of geometry, for admission to the College of Liberal Arts and Sciences.
- **4 years**, including two years of algebra, one year of geometry, and one year of higher mathematics (trigonometry, analysis, or calculus), for admission to the College of Engineering.
- *Univ. of N. Iowa*: **3 years**, including the equivalent of algebra, geometry, and algebra II.

**Natural Science:**
- *Iowa State Univ.*: **3 years**, including one year each from any two of the following: biology, chemistry, and physics.
- *The Univ. of Iowa*: **3 years**, including courses in physical science, biology, chemistry, environmental science and physics for admission to the College of Liberal Arts and Sciences.
- **3 years**, with at least one year each in chemistry and physics for admission to the College of Engineering. Nursing—**3 years**,
including one year each of biology, chemistry, and physics. 
Univ. of N. Iowa: **3 years**, including courses in general science, biology, chemistry, earth science, or physics; laboratory experience highly recommended.

**Social Studies:**
Iowa State Univ.: **2 years** for admission to the Colleges of Agriculture, Business, Design, Human Sciences, and Engineering.
**3 years** for admission to the College of Liberal Arts and Sciences.
The Univ. of Iowa: **3 years**, with U.S. history and world history recommended for admission to the College of Liberal Arts and Sciences.
**2 years**, with U.S. history and world history recommended, for admission to the College of Engineering.
Univ. of N. Iowa: **3 years**, including courses in anthropology, economics, geography, government, history, psychology, or sociology.

**Foreign Language:**
Iowa State Univ.: **2 years** of a single foreign language for admission to the College of Liberal Arts and Sciences and the College of Engineering.
The Univ. of Iowa: **2 years** of a single foreign language are required for admission. For many degrees, the fourth year of proficiency is required for graduation. Nursing—4 years in a single language or two years each in two different languages.
Univ. of N. Iowa: Foreign language courses are not required for admission. However, 2 years of a foreign language in high school with a C- or above in the last term will meet the university graduation requirement.

**Other Courses:**
Iowa State Univ.: Specific elective courses are not required for admission to Iowa State University.
The Univ. of Iowa: Specific elective courses are not required for admission to The University of Iowa.
Univ. of N. Iowa: **2 years** of additional courses from the required subject areas, foreign languages, or fine arts.
Earning College Credit While In High School

There are 3 ways in which high school students can begin earning college credits while still in high school.

1. **Dual-credit courses.** Please see page 15 of this book for more information.
2. **Online courses.** Please see page 17 of this book for more information.
3. **Concurrent enrollment courses taught at LCHS.** Please see page 63 of this book for more information. More information will be provided to students who want to enroll in these classes.

The most up-to-date information can also be found on Mrs. Hausmann’s webpage at www.gehlencatholic.org.

Please contact Mrs. Hausmann in the Guidance Office with any questions.
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<th>Gehlen Catholic Course Title</th>
<th>Briar Cliff Course Title(s)</th>
<th>Number of College Credits</th>
<th>Length of Course</th>
<th>Cost&lt;sup&gt;1&lt;/sup&gt;</th>
<th>Textbook&lt;sup&gt;2&lt;/sup&gt;</th>
<th>Prerequisites&lt;sup&gt;3&lt;/sup&gt;</th>
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<tr>
<td>College Chemistry</td>
<td>CHEM 113 Principles of Chemistry I &amp; CHEM 111L Principles of Chemistry Laboratory I</td>
<td>4 total (3 credits for the lecture course and 1 for the lab)</td>
<td>1 year</td>
<td>$30/credit hour ($120) plus textbook</td>
<td>&quot;Chemistry&quot; 13th edition by Raymond Chang and Jason Overby</td>
<td>-Senior -Completion of Chemistry with a B- or higher in both semesters -ACT composite score of 22 or higher -ACT math subscore of 22 or higher</td>
</tr>
<tr>
<td>College Calculus</td>
<td>MATH 217 Calculus I</td>
<td>4</td>
<td>1 year</td>
<td>$30/credit hour ($120) plus textbook</td>
<td>TBD</td>
<td>-Senior -Completion of Pre-Calculus with a B- or higher in both semesters -ACT composite score of 22 or higher -ACT math subscore of 22 or higher</td>
</tr>
<tr>
<td>College English</td>
<td>CORE 131 Writing in the Digital Age</td>
<td>3</td>
<td>1 semester</td>
<td>$30/credit hour ($90)</td>
<td>No textbooks needed</td>
<td>-Senior -Completion of World Literature and Advanced Composition with a B- or higher in both semesters -ACT composite score of 22 or higher -ACT English subscore of 22 or higher</td>
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<sup>1</sup>Dual-credit course offerings at Gehlen Catholic are dependent upon instructors successfully completing their Master’s degree within the anticipated time-frame. Course offerings may change if unexpected delays occur.

<sup>2</sup>Costs are valid for the 2020-2021 school year. Briar Cliff University (BCU) has discounted their tuition costs for the dual-credit program. Neither BCU nor Gehlen Catholic can offer additional financial aid for the dual-credit courses.

<sup>3</sup>Textbooks are not provided by either BCU or Gehlen Catholic. Students must obtain a textbook at their own expense. Textbooks are required by the first day of class. Textbooks are subject to change at BCU’s discretion each year. The listed textbook is correct for the 2020-21 year.

<sup>4</sup>For the 2020-2021 school year ONLY – Due to the timing of the prerequisites being released, instructor approval may be used to enroll in a course if a prerequisite is not met. An additional form, “Instructor Approve and Student Assumption of Responsibility,” must be completed if all of the prerequisites are not met.

<sup>5</sup>For the 2021-2022 school year and beyond – All prerequisites need to be met by the end of the previous school year in order to enroll in the course. Instructor approval cannot be used to replace a prerequisite. If a student meets the ACT requirement during the summer months, the student can contact Mrs. Christina Kellon to determine if the course can be added into his/her schedule.
Guidelines for Online Courses for College Credit
through Western Iowa Tech Community College

For All Online Courses:
All students are required to take 6 Gehlen/LCHS classes per semester plus physical education.
Students MAY be required to receive a "C" or better in order for a college to consider the class for college credit. Individual colleges will determine whether and how they will accept the transfer college credit and/or how they will impact a student's college GPA.
Students are completely responsible for completing assignments, taking tests, meeting deadlines, being in contact with their college professor if questions arise, and returning borrowed textbooks in excellent condition (if not, the student may be charged for the book(s)).
A grade report from WITCC must be turned into the office so grades can be posted on the high school transcript. WITCC's "drop/add" policies will be followed.

For Great Start Online Courses:
Juniors and seniors have the opportunity to enroll in online courses through WITCC in subjects not offered at Gehlen Catholic or LCHS. Students will receive WITCC credit for courses taken online subject to the guidelines for Great Start classes and LCHS policy. High school credit will also be given; the grade that is received will appear on the high school transcript and will affect the high school GPA.

Courses offered include courses in the following subject area groups at WITCC:
CRJ Criminal Justice
EDU Education
FLF French
FLG German
HSC Health Occupations
MAP Medical Office Procedures
PHI Philosophy
According to LCHS policy, juniors are eligible to take one course per semester, and seniors are eligible to take two courses per semester. At this point, students are allowed a maximum of 4 online courses that will be paid for by LCHS. Registrations forms will be turned into the administration at LCHS for their approval. Decisions will be made in accordance with Great Start guidelines.

The cost of the course will be paid by LCHS according to the guidelines for Great Start classes. Withdrawing after the official drop date or not successfully completing a course may result in the student reimbursing LCHS for the cost of the course.

For Non-Great Start Online Courses:
Students are allowed to take courses in areas other than the ones listed above at their own expense. The cost per class is currently $134/credit hour. Students will receive WITCC credit for these courses. High school credit will not be given and the grade will not affect high school GPA; however, the course and grade will appear on the high school transcript.

To Register for Online Courses:
Registration will occur each semester once WITCC provides their course description book. See Mrs. Hausmann in the Guidance Office for registration materials.
REQUIREMENTS FOR GRADUATION

Students are required to register for at least SIX (6) ACADEMIC COURSES per semester plus a physical education class regardless of units already accumulated. When warranted, seven (7) academic courses might be recommended. One English class and one Religion class must be taken each semester with other classes. The following are the specific number of units which are required for graduation from Gehlen Catholic High School:

Graduation Requirements:

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<td>English</td>
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<tr>
<td>Religion</td>
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<tr>
<td>Social Studies</td>
<td>3.0</td>
</tr>
<tr>
<td>Mathematics</td>
<td>3.0</td>
</tr>
<tr>
<td>Science</td>
<td>3.0</td>
</tr>
<tr>
<td>Fine Arts</td>
<td>0.5</td>
</tr>
<tr>
<td>Phys. Ed</td>
<td>1.0</td>
</tr>
<tr>
<td>Humanities</td>
<td>0.5</td>
</tr>
<tr>
<td>Electives</td>
<td>5.0</td>
</tr>
<tr>
<td>Financial Literacy</td>
<td>0.5</td>
</tr>
<tr>
<td><strong>TOTAL</strong></td>
<td><strong>25 UNITS</strong></td>
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The following courses satisfy the Humanities requirement:
1. An additional semester of religion beyond the required 8 semesters.
2. An additional semester in literature or language (English only), beyond the required 8.5 semesters.
3. A fifth semester of foreign language
4. Advanced Communications
5. Theater
6. Art
7. Music (band or vocal)

A single semester course in any discipline can satisfy only one graduation requirement.
Four Year Plan

Instructions: Using a pencil, print the courses you have completed and the courses you are now taking. Then print the courses you want to take next year and in subsequent years.

**Grade 9**
- English 1
- Foundations in Script
- Phys. Sci.
- Math
- Geography
- Phys. Ed./Study Hall

**Grade 10**
- Am Lit/Comp
- Who is Jesus Christ
- Science
- World History
- Math
- Phys. Ed./Study Hall

**Grade 11**
- Eng (Comp)
- Religion
- Modern US Hist
- Phys. Ed./Study Hall
- Math
- Science

**Grade 12**
- English 4
- Religion
- Government
- Phys. Ed./Study Hall
BEFORE REGISTRATION

The administration's first step in program building each year is the creation of the master schedule. The student course selections are used to begin the building process. Class sections are placed in such a way that, as far as possible, students will not have conflicts because two courses they wish to take are being taught at the same time. Because of the number of course offerings, some conflicts are inevitable. However, conflicts can be kept at a minimum if accurate information about student choices is obtained before scheduling begins. For this reason, STUDENTS ARE ASKED TO AVOID SCHEDULE CHANGES AFTER REGISTRATION.

CLASS CHANGES

Since the master schedule, instructor teaching loads, books and other instructional materials purchased are determined by student registration, course changes create wide spread problems and limit student options.

If a student does request a course change after final registration he/she must realize that:
1. the request may not be honored.
2. a course change requires his/her parent's written approval, the signatures of the guidance counselor and instructors involved.

This policy may be modified if
1. a student fails a course which is a prerequisite of the one for which he/she registered.
2. a teacher recommends the change because of a situation which develops after final registration.
3. there is a medical excuse.

No course changes will be allowed after the first 5 school days of each semester.
SCHEDULE OF STUDY PERIODS

Study periods are those in which students are not scheduled for academic classes. Students are to use this time for educational purposes of study, research and reading. Students may sign up to work in the library or obtain passes to work in the computer or other laboratories during scheduled study periods.

Student use of study periods is important to academic success. Responsible use of this time rests with the individual. Scheduled study time within a structured environment can greatly contribute to good study habits and academic success. The school will provide guidance and support for efficient use of these study periods, although ultimate responsibility for learning rests with the individual student.
IOWA FINANCIAL LITERACY
(0.5 Unit - 1 Semester)(Required 12)
This is a course that is required by the Iowa Department of Education. Students will complete units on money management, borrowing, investing, earning power, financial services, and insurance. Students will learn the benefits of saving, investing, college planning, wealth building, and consumer awareness. Lessons on using credit wisely, financial responsibility, budgeting, and insurance types will be applied. Guest speakers from area businesses are utilized to implement real-world scenarios regularly.

INTRODUCTION TO BUSINESS
(0.5 Unit - 1 Semester)(Elective 9, 10, 11, 12)
This introductory course in business explores the different aspects of the business field and the application in people's lives today. Some units that will be covered include: economics, business operations, marketing, accounting, excel, and small business management. Presentation of material will come from various sources; including individual study, group work, and real-life applications. This is a course designed to give you a quick glimpse of what other business courses would entail.

INTRODUCTION TO DESKTOP PUBLISHING
(0.5 Unit - 1 Semester)(Elective 9, 10, 11, 12)
(Maximum of 15 students per section)
Students considering studying a form of business major after high school should consider this course as most colleges use Microsoft Office (rather than Google). This course will give the student a well-rounded basic knowledge of the programs, equipment, and features of Word, Excel, PowerPoint, Publisher, and other possible pro-
grams with time permitting by using a hands-on approach that will allow for the best possible learning for every student. The material covered will help the student in both school assignments and activities, plus prepare you for higher education.

**WEB DESIGN**
(0.5 Unit - 1 Semester)(Elective 10, 11, 12)
This class will allow the student to explore and develop their own personal web site using the program Dream Weaver. The student will be required to learn the basics of computer operations while exploring the Web in order to better enhance his/her own website. Guidelines and requirements will be set and met for full completion of this course; however, a great deal of free and individual work will be mandatory in order to completely apply full and constructive knowledge to a personal creation.

**ACCOUNTING 1**
(1 Unit - 2 Semesters)(Elective 10, 11, 12)
This course presents the basic and fundamental principles of accounting and is designed to emphasize the theory of accounting necessary for the home and office settings and small business settings. If you are interested in running your own business someday, accounting basics are essential. Students interested in attending college and majoring in any business-related field must take Accounting as a prerequisite to many core classes, so the best place to prepare for that challenge is while still in high school.
Students will learn how business transactions are reported while demonstrating practical application of the accounting cycle for a sole proprietorship (1st semester) and partnership (2nd semester). Whether planning a career in business or wanting to be able to handle your own financial records, Accounting I will be a great place to start.
ACCOUNTING 2
(1 Unit - 2 Semesters)(Elective 11, 12)
Prerequisite: Successful Completion of Accounting 1 and approval of instructor
This course is an advanced course that will build on the concepts from previous accounting classes. Students will learn material that will thoroughly prepare them for a business/accounting path in college and/or career. This course is designed to prepare the student for a business career and is most helpful for those planning on taking business and/or accounting courses in college. Students will continue to build on knowledge from previous accounting courses. The class will focus on financial and managerial accounting with concepts of automated accounting built in as well. This class may be a largely independent course with special direction for the instructor.

MARKETING
(0.5 Unit - 1 Semester)(Elective 11, 12)
This course explores the world of marketing. Marketing is the study of the business activities that direct the flow of goods and services from producers to consumers. In this course you will learn how marketers are able to satisfy consumer needs and wants, determine which markets the business can best serve, and decide which products and services can best serve these markets. Topics will include marketing philosophies, capturing customer value, consumer business markets, segmentation, product marketing, service marketing, retailing, supply chain management, pricing strategy, promotions, direct and online marketing, the global marketplace, and creating a marketing plan. There will be several hands-on projects completed during this course.
COMMUNICATIONS
(0.5 Unit - 1 Semester)(Required 9)
This course is an introductory course in communication and the art of listening. Particular emphasis will be placed on public speaking including persuasive, informative, demonstrative and impromptu speaking. The course will also cover the use of visuals, research, organizational skills, principles of debate and Parliamentary procedure.

ENGLISH 1
(1 Unit - 2 Semesters)(Required 9)
This course fulfills both the semester of composition and the semester of literature requirement for all students in their first year of high school. It functions as an introduction to literature course in which the students must demonstrate an understanding of the elements of literature in various genres. As a composition course, students are to demonstrate an understanding of the structure of a formal essay and an understanding of the formal writing style. Basic grammar concepts will be taught in conjunction with writing.

AMERICAN LITERATURE/COMPOSITION
(1 Unit - 2 Semesters)(Required 10)
This course fulfills both the semester of composition and the semester of American literature requirement for all students in their second year of high school. This course will have its emphasis on significant works and the periods they represent from American Colonial times to modern times. This course will also incorporate various composition skills including a research paper. Grammar concepts will be taught in conjunction with writing.

WORLD LITERATURE/ADVANCED COMPOSITION
(1 Unit - 2 Semesters)(Required 11)
This course fulfills both the semester of composition and the semester of World Literature for students in their third year of high school. This course will emphasize works
contributed by significant authors through a regional study of world literature. It will also emphasize the formal writing style while giving attention to grammar, mechanics and the Modern Language Association format. Students will demonstrate their writing abilities through the use of various rhetorical styles: compare/contrast, persuasive, analysis and more. Students will be required to perform research and apply it to their writing. A concentrated study on writing for various intended audiences will be required as well as an introduction to the basics of literary analysis.

**PUBLICATIONS WRITING**
(1 Unit - 2 Semester)(Elective 10, 11, 12)
**Prerequisite: Permission of Instructor**
Students will develop writing skills and focus on those structures particular to writing for mass communications. Students will learn the basics of gathering information and organizing it into factual articles. Students will also assume responsibility in lay-out and design. Class is beneficial to all who are interested in professional publications and mass communications, and students will be responsible for the publication of the Gehlen-Aire and Rosarian. (*This does not fulfill NCAA requirements for English.*)

**ADVANCED COMMUNICATIONS**
(Also satisfies Fine Arts and/or Humanities Requirements)
(0.5 Unit - 1 Semester)(Elective 11,12)
This course is designed to develop skills in speaking in public. This is an advanced level course. Public Speaking will involve writing and delivering informative, persuasive, and entertaining speeches, as well as speaking in groups and debate. Students will be required to present speeches of significant length and to evaluate speeches of others. They will use different formats, such as speaking from manuscript, note cards, and memory. They will also develop organizational skills; outlines of speeches must accompany the written speech. Through group discussion and debate, the students will learn to evaluate information critically. Enrollment is limited.
ENGLISH 4
(1 Unit - 2 Semester)(Required 12)
Either English 4 or College English is required for 12th grade students.
This course will prepare students for an entry-level college English course. Through the combined study of reading and writing students will improve their critical reading and writing skills. This course will cover a range of informative texts and two classic novels (1 a semester) and will enable students to analyze, discuss and explain the literature studied. Another focus will be on writing for practical situations—business writing, pamphlet writing, journalism writing, and other various informative documents. Writing will also cover a variety of creative writing topics and areas. Presentation skills will be taught and emphasized in regards to interviewing and delivering oral presentations to groups. Additionally, students will hone their essay skills. Finally, students will partake in a focused study of vocabulary, grammar, and mechanics.

COLLEGE ENGLISH
(0.5 Unit—1 Semester)(3 college credits)(Elective 12)
Prerequisite: Senior; Completion of World Literature and Advanced Composition with a B— or higher in both semesters; ACT composite score of 22 or higher; ACT English subscore of 22 or higher.
This course is a multimodal composition experience in which students learn to evaluate information and incorporate it ethically as they create, develop, and refine their writing, speech, and design skills in a variety of modes of expression.
College English is equivalent to Briar Cliff University (BCU) CORE 131—Writing in the Digital Age (3 college credits). There is a BCU tuition fee for this course. A full description of the dual-credit fees, course registration requirements, prerequisites, college credit, and textbook can be found on the parent permission form. This form must be signed by a parent/guardian prior to enrollment in the course.
Note: All students must complete 0.5 Unit of Fine Arts prior to graduation. This requirement may be met at any time during the high school years. Any course from those listed in this section (Art, Music or English) may be used to fulfill this requirement.

ART

The initial weeks of each of the following courses cover the language, materials, and processes inherent to each particular art form and the design elements and principles supporting a work of art. As the weeks progress and the students become more adept, the instruction regarding the creative process becomes more refined and students are encouraged to develop their own artistic styles. Although the focus in each of the courses is creation, the study of major artists, art movements, styles, and career opportunities in the art world may also be included.

DRAWING
(Class size limited to 14)
(0.5 Unit - 1 Semester)(Elective 9, 10, 11, 12)
This course provides students with the knowledge and the opportunity to experiment with a variety of drawing media and processes in order to create two-dimensional works of art. The students will draw from some of the following subjects: still life, landscape, architecture, animals, portraiture, and the human figure.

A. Types
1. Perspective
2. Contour
3. Gesture
4. Value

B. Media
1. Pencil/Colored Pencil
2. Ink/Marker
3. Charcoal/Pastels

PAINTING
(Class size limited to 14)
(0.5 Unit - 1 Semester)(Elective 9, 10, 11, 12)
This course provides students with the knowledge and
the opportunity to experiment with a variety of painting media and processes in order to create two-dimensional works of art. Throughout the course, the student will learn basic color theory, preparation of painting surfaces, proper application of paint, and different painting techniques. The student will paint from some of the following subjects: still life, landscape, architecture, animals, portraiture, and the human figure.

A. Types
1. Realistic
2. Surrealistic
3. Abstract

B. Media
1. Tempera
2. Watercolor
3. Acrylic
4. Oil
5. Colored Pencil
6. Pastels
7. Marker

SCULPTURE
(Class size limited to 14)
(0.5 Unit - 1 Semester)(Elective 9, 10, 11, 12)

This course provides students with the knowledge and the opportunity to explore a variety of sculptural media and processes in order to create three-dimensional works of art.

A. Types
1. Additive
2. Subtractive
3. Assemblage
4. Casting

B. Media
1. Plaster
2. Clay
3. Wood
4. Paper
5. Plastics
6. Metals
7. Fabrics
8. Natural Objects

NOTE: Some of the materials needed for projects in this class must be purchased by the individual student.
FIBERS
(Class size limited to 14)
(0.5 Unit - 1 Semester)(Elective 9, 10, 11, 12)
This course provides students with the knowledge and
the opportunity to work with a variety of fiber or fiber-
based products and processes in order to create two-
dimensional and/or three-dimensional works of art.
A.  Types                     B.  Media
1.  Weaving                  1.  Fabric
2.  Tying                    2.  Yarns/Threads
3.  Sewing                   3.  Dyes
4.  Dyeing
5.  Stuffing

NOTE: Some of the materials needed for projects in this
class must be purchased by the individual student.

PRINTMAKING
(Class size limited to 14)
(0.5 Unit - 1 Semester)(Elective 9, 10, 11, 12)
This course provides students with the knowledge and
the opportunity to explore a variety of printmaking media
and processes in order to create two-dimensional works
of art. Much time will be spent on drawing for the sake of
printing.
A.  Types                     B.  Media
1.  Relief                   1.  Ink
2.  Intaglio                 2.  Wood and Linoleum
3.  Planography              3.  Metal
5.  Fabric/Fibers            5.  Fabric/Fibers
6.  Found Objects

CERAMICS
(Class size limited to 14)
(0.5 Unit - 1 Semester)(Elective 9, 10, 11, 12)
This course provides students with the knowledge and
the opportunity to create with their hands by using basic
hand-building techniques and wheel-throwing, in order to
create three-dimensional works of art. Throughout the
course, the student will pay particular attention to the
characteristics of the raw materials, the transformation
under heat, and the various methods by which objects are created and finished.

A. Types
   1. Pinch/Chunk
   2. Coil
   3. Slab/Press Mold
   4. Spoon-out
   5. Wheel-Thrown

B. Media
   1. Clay
   2. Glaze
   3. Stain

CRAFTS
(Class size limited to 14)
(0.5 Unit - 1 Semester)(Elective 9, 10, 11, 12)
This course provides students with the knowledge and the opportunity to experiment with a wide range of craft media and processes in order to create two-dimensional and/or three-dimensional works of art.

A. Types
   1. Paper Crafts
   2. Wood Crafts
   3. Metal Crafts
   4. Plastic Crafts
   5. Nature Crafts
   6. Glass Crafts
   7. Ceramic Crafts

B. Media
   1. Paper/paper-based products
   2. Wood
   3. Metal/Wire
   4. Plastic/plastic-based products
   5. Natural products
   6. Glass
   7. Fiber/fiber-based products
   8. Wax
   9. Clay

NOTE: Some of the materials needed for projects in this class must be purchased by the individual student.
PHOTOGRAPHY
(Class size limited to 10)
(0.5 Unit - 1 Semester)(Elective 9, 10, 11, 12)
This course is a basic introduction to black and white darkroom processes and techniques. The student will learn proper camera handling and shooting techniques, process their own film and fine prints, and experiment with lenses, lighting, and filters. Offsite and classroom photo sessions are planned.

A. Types
   1. Black and White
   2. Creative Methods

B. Media
   1. 35mm SLR Camera
   2. Film
   3. Lenses and Filters
   4. Photographic Paper
   5. Tripod
   6. Developing Chemicals

NOTE: Some of the paper and film may need to be purchased by the individual student. A manual 35mm camera for personal use in class would also be helpful, but please do not purchase one just for this class.

INDEPENDENT STUDY
(0.5 Unit - 1 Semester)(Elective 12)
Prerequisite: Successful completion of two semesters of art and permission of the instructor.
This course will enable students with a serious interest in art to explore a particular art form in more detail and depth than in other courses. Emphasis will be placed on creating quality work that reflects personal style and talent, refining skills, building confidence for portfolio submission, and gaining experience in displaying work publicly. During the course of the semester, the student will continuously receive consultation and supervision from the instructor. Lab fee will depend upon the emphasis chosen. Some materials may need to be purchased by the individual student.
MUSIC

BAND
(1 Unit - 2 Semesters)(Elective 9, 10, 11, 12)
(Meets Every Day)

Marching Band
Marching band emphasizes group cohesiveness and pride through marching fundamentals and discipline. Music used will cover a variety of styles. A camp is held before school starts and early morning rehearsals are during the football season. Attendance is required for all performances and rehearsals. Early rehearsals will end after the last football game and/or State Marching Band Contest, unless the band is attending a bowl game that year. During bowl years, practices will run through December.

Black shoes/socks and the band uniform are required for each performance. Shoes can be ordered through the band office. Upkeep of the uniforms is the responsibility of the student and/or families. Uniforms must be **Dry Cleaned Only**, and must be cleaned before each marching band contest if needed. *(Any dirt that can be seen on uniform deducts points from the band in contest)*. All uniforms will be sent in at the end of the year to be dry cleaned by the instructor.

Concert Band
Begins immediately following the end of marching band season. Emphasis is placed on warm-up, scales, tonal production and rehearsal techniques. Music is chosen from all periods of music history. Performances include Winter, Mid-Spring and Spring concerts, graduation, and large group contest. Some time is provided in the second semester to prepare solos/small ensembles during class, but most work must be during lessons or outside of class.

Solo/Small Ensembles:
Each student is required to prepare a solo or small group piece each year to be performed at Solo/Small Ensemble Night. Preparation of music begins in January and runs through April. Participation in State Solo/Small Ensemble Contest and Heelan Band Olympics is optional.

Mass Ensembles:
Mass Ensembles are small groups that prepare music for the school Masses. Participation is optional.

**Pep Band**

Pep Band is an extension of Jazz, Marching and Concert Band, using a wide variety of music. All members will participate. Activities include all pep assemblies and games. Rehearsals are during band class.

**Jazz Band**

**Prerequisite: Invitation of Instructor or Audition**

A Jazz Band will be formed contingent upon the number and instrumentation of interested students. Members are encouraged to play an instrument considered to be a part of a jazz ensemble (saxophone, trumpet, trombone, drums, piano, or guitar), with a few exceptions (allowed by instructor). Rehearsals will be weekly and outside of the school day. Music of varying styles and periods of jazz will be used. Auditions will be held at the end of the marching band season. Performances include concerts, contests and special performances to which the band is invited.

**Extra Curricular Band Activities**

Students are strongly encouraged to participate in one or more of the following: State Solo Contest, Jazz Band, Honor Bands or Festivals, clinics, Heelan Band Olympics and off-campus concerts.

**Lessons**

High School: Every band student will be required to complete the assigned lessons every quarter with the instructor. The number of lessons range from 5-7 lessons per quarter. Students MUST sign up for their lessons on a weekly calendar posted by the instructor at the beginning of each week outside of the band office. Lesson duration will be no longer than 19 minutes. Multiple lesson assignments can be completed during one lesson, but not required. Failure to complete the lessons each quarter will result in a 0 for each lesson not completed.
Junior High: Each student will be assigned a lesson time to attend each week. Every student is required to attend their lesson each week unless they are excused (see below). Students must attend between 5-7 lesson per quarter to receive full credit. The number of lessons required varies from quarter to quarter based on the school calendar, absence of instructor, and other special cases. Student will be excused from their lesson if:

1. They must be in their scheduled class the day and time of their lesson (test, quiz, etc.).
2. They have an excused absence from school.
3. They have permission from the band instructor not to attend.
4. They have attended all required lessons for the quarter.

Failure to complete the lessons each quarter will result in a 0 for each lesson not completed.

**Band Fees**

**Students are not required to pay band fees, with the exception of those students using a school-owned instrument.** Instrument Rent—Percussionists pay $50 for use of school equipment during the school year. Percussionists are NOT expected to purchase their own sticks and mallets, but it is encouraged. Wind instrument rent is $90 per year and students are expected to pay for repairs. A rental contract must be signed by both parents and student(s). These rental fees help the Fine Arts Boosters with maintenance, replacement and instrument insurance costs. **Rental fees may be paid in half ($45) each semester or one time ($90) at the beginning of the year. Students may use more than one instrument with no additional rental cost.**
CONCERT CHOIR
(1 Unit—2 Semesters)(Elective 9, 10, 11, 12)
(Meets Everyday)
This course is orientated toward performance of various
styles of choral music, from sacred to secular, classical
to pop, English language to foreign. The choir sings at 7-
12 and K-12 masses throughout the year, performs 2
concerts and sings for other various events including vis-
its to nursing homes. In addition to focusing on concert
performances, a portion of choir class will be spent on
sight singing and learning the basics of music theory.
Festivals
The choir participates in various honor choirs throughout
the year including the Annual Diocesan Choral Festival.
Students have the option of auditioning for All-State Choir
in the fall. Select students will also be taken to the North-
west Iowa Honor Choir Festival in late winter.
Solo/Ensemble
Students are encouraged to participate in the State Solo
and Ensemble Contest in early spring. Students may
take a solo, duet, or participate in a small group of some
kind. If students do not take a solo to contest, they will be
required to complete a separate music project. See the
Choir Handbook for details.
Large Group Contest
The Concert Choir will participate in the Large Group
Contest at the beginning of May. This is mandatory.
Lessons
Each member of the choir will be given one mandatory
private voice lesson each week. That lesson will happen
either before school, during study hall or after school.
Each lesson will be 20 minutes in length. See Choir
Handbook for make-up lesson requirements.
Chamber Choir
Prerequisite: Invitation of Instructor or Auditions
Chamber Choir will be comprised of 12 members (3 so-
prano, 3 alto, 3 tenor, 3 bass). Rehearsals will be weekly
and outside of the school day. A variety of music will be
performed from classical chamber works to vocal jazz.
Selection for Chamber Choir will be at the beginning of
the school year. Performances will include concerts, con-
tests and any special invitations.
MUSIC HISTORY
(0.5 Unit-1 Semester)(Elective 9,10,11,12)
Music History is open to all students, especially those planning on majoring or minoring in music at college. This class will deal with the musical history of the world beginning with Gregorian Chant to the modern musical period. Those planning on taking music in college are encouraged to take Music History followed by Music Theory and Ear Training. Instruction will be based on the assumption that students have an understanding of basic musical notation.

MAKING MUSIC
(0.5 Unit—1 Semester)(Elective 9, 10, 11, 12)
It happens in the dark shadows of a school dance, on a stage, or cruising down the road in your car. A song unleashes its power and takes you to a place you never before imagined. Songs inspire us, break hearts, psych you up, unite people, let us feel the blues or just plain make a person feel good. All this happens in the matter of minutes.

If you are interested in taking your songwriting career beyond singing along with your Pandora mix or making parodies on YouTube, this is the course for you. In this course, you will learn the general approach to songwriting including: how to structure songs, create “hooks,” craft lyrics, write a melody, rhythm, harmony, merger words with music, and develop this craft into a genre. We will also take a look at the music industry and music production. Songwriting is made up of music and lyrics. In this course, we will also touch on musical concepts.

MUSIC THEORY AND EAR TRAINING
(0.5 Unit - 1 Semester)(Elective 9, 10, 11, 12)
Prerequisite: Band, Choir or have other Musical Backgrounds
Musical Theory and Ear Training is designed to help prepare students for first year music theory and ear training in college. Music Theory and Ear Training will teach the basic components of music composition through the study of scales, chords, chord structures and melodic composition, both written and aural.
Music Theory will meet every day and it is recommended to be taken in after Music History, and may be taken as an independent study course depending on the number of students. Students may be required to purchase their own text book. Students are required to have a Music Staff Notebook and a regular notebook.

ENGLISH

ADVANCED COMMUNICATIONS
(Also satisfies Humanities Requirements)
(0.5 Unit - 1 Semester)(Elective 11,12)
This course is designed to develop skills in speaking in public. This is an advanced level course. Public Speaking will involve writing and delivering informative, persuasive, and entertaining speeches, as well as speaking in groups and debate. Students will be required to present speeches of significant length and to evaluate speeches of others. They will use different formats, such as speaking from manuscript, note cards, and memory. They will also develop organizational skills; outlines of speeches must accompany the written speech. Through group discussion and debate, the students will learn to evaluate information critically. Enrollment is limited.
Students who are native Spanish speakers are encouraged to enroll in these courses because there are many benefits to studying your native language. However, students whose home language survey indicates that Spanish is spoken at home have the option to test out of Spanish 1 and begin with Spanish 2. Eligible students who are interested in pursuing this option need to inform Mrs. Hausmann during the registration process in their 8th grade year. Spanish 1 may be waived if the student scores 90% or higher on a comprehensive exam which will be administered by the Spanish instructor in May. High school credit will not be awarded for Spanish 1 if it is waived. For more detailed information, please contact the Spanish instructor or Mrs. Hausmann.

SPANISH 1
(1 Unit - 2 Semesters)(Elective 9, 10, 11, 12)
Prerequisite: Permission of the 8th Grade English or High School Foreign Language Instructors
Spanish I offers a basic study of grammar and vocabulary to understand simple Spanish. Students will practice speaking, listening, reading, and writing in the present tense. An introduction to the people and culture of the Spanish world is also covered.

SPANISH 2
(1 Unit - 2 Semesters)(Elective 10, 11, 12)
Pre-requisite: Successful completion of Spanish 1
Spanish II offers students the opportunity to expand their knowledge of grammar to include the past tense, build their vocabulary, and better their proficiency in listening, speaking, reading, and writing. Cultural aspects of Hispanic cultures are also covered in more detail. Enrollment
requires departmental approval.

SPANISH 3
(1 Unit - 2 Semesters)(Elective 11, 12)
Prerequisite: Successful completion of Spanish 2
Spanish III offers students the opportunity to increase their Spanish listening, speaking, reading, and writing skills in the present, past, and future tenses as well as build their vocabulary and cultural awareness. Students will be expected to perform in Spanish whenever possible. Enrollment requires departmental approval.

SPANISH 4
(1 Unit - 2 Semesters)(Elective 12)
Prerequisite: Successful completion of Spanish 3
Spanish IV offers coverage of the Spanish subjunctive tense as well as an increased exposure to native broadcasts and literary works. This course will focus on students' ability to communicate in both conversational and written Spanish while preparing for college level courses. Enrollment requires departmental approval.
HEALTH 1 and HEALTH 2
**(1 Unit—2 Semesters or
0.5 Unit - 1 Semester)**
(Elective 9, 10, 11, 12)
This course focuses on basic information concerning personal responsibility for health and wellness. Subject matter includes the following topics: the human body, dealing with physical, emotional social mental and spiritual health issues such as stress management, physical fitness and exercise, emergency care and first aid, nutrition and diet, drug use and abuse and communicable disease prevention and treatment.
This course is also designed to change patterns of living so that young people select behaviors that lead to a lifestyle on the high end of the health scale.
College admission requirements vary, but it is common for four-year colleges to require at least 3 years of advanced math for admission. Pre-algebra, consumer math, and business math are not considered advanced math courses. A traditional course sequence might include Algebra 1, Geometry, then Algebra 2.

**Recommended Course Sequence**

*Pre-Algebra (Teacher Recommendation)*
- Algebra 1
- Geometry
- Algebra 2
- Pre-Calculus
- College Calculus

**PRE-ALGEBRA**

(1 Unit - 2 Semesters)(Elective 9)

**Prerequisite: Teacher Recommendation**

Pre-Algebra increases students’ foundational math skills and prepares them for Algebra 1 by covering a variety of topics. Emphasis is placed on properties of rational numbers including integers, percents, fractions, ratios, proportions, exponents, radicals, equations and inequalities. Students will also work with the concepts of perimeter, area, volume, surface area, Pythagorean theorem, the rectangular coordinate system, formulas as well as sine, cosine, tangent and other geometric concepts. This course is a two semester course intended for students who lack the skills necessary for success in Algebra 1.

*This does not fulfill NCAA requirements for math.*

**CONSUMER MATH**

(1 Unit—2 Semesters)(Elective 9,10)

**Prerequisite: Teacher Recommendation**

Consumer Math reinforces general math topics (such as arithmetic using rational numbers, measurement, ratio,
proportion, and basic statistics) and apply these skills to consumer problems and situations. Applications typically include budgeting, taxation, credit, banking services, insurance, buying and selling products and services, home and/or car ownership and rental, managing personal income, and investment. This class is a two-semester course intended for students on non-traditional list of courses. This class is a two semester course and is not intended for a student who will be attending a four-year college.

*This does not fulfill NCAA requirements for math.

**BUSINESS MATH**
(1 Unit—2 Semesters)(Elective 11,12)

**Prerequisite:** Math Dept. Chair Approval
Business Math reinforces general math skills (e.g., arithmetic, measurement, statistics, ratio, proportion, exponents, formulas and simple equations) emphasizing speed and accuracy in computations, and use these skills in a variety of business applications by applying these skills to business problems and situations. Applications include wages, hourly rates, payroll deductions, sales, receipts, accounts payable and receivable, financial reports, discounts, and interest. This class is not intended for all students, especially those who have passed Algebra 2 or higher.

*This does not fulfill NCAA requirements for math.

**ALGEBRA 1**
(1 Unit - 2 Semesters)(Elective 9,10,11,12)

**Prerequisite:** Passing both semesters of Pre-Algebra or 8th Grade Teacher Recommendation
Algebra I includes the study of properties and operations of the real number system; evaluating rational algebraic expressions; solving and graphing first degree equations and inequalities; translating word problems into equations; operations with and factoring of polynomials; and solving simple quadratic equations, as well as radical expressions, basic trigonometry with triangles, and an introduction to statistics and probability. This course is a two-semester course intended for all students.

*This does not fulfill NCAA requirements for math.*
Note: Students who take Algebra I as 8th graders will earn high school credit and the grade received in junior high will be applied toward the student's high school cumulative grade point average.

GEOMETRY

(1 Unit - 2 Semesters)(Elective 9,10,11,12)

Prerequisite: Passing both semesters of Algebra 1

In Geometry an emphasis will be placed on an abstract, formal approach to the study of geometry. Topics will include properties of plane and solid figures; deductive methods of reasoning and use of logic; also including the study of postulates, theorems, and formal proofs; concepts of congruence, similarity, parallelism, perpendicularity, and proportion; and rules of angle measurement in triangles as well as proportions, surface area, area, and volume. An introduction to trigonometry, analyzing circles, properties of basic shapes and coordinate geometry will also be included. This is a two-semester course intended for all students but especially those preparing for college.

ALGEBRA 2

(1 Unit - 2 Semesters)(Elective 10, 11, 12)

Prerequisite: Passing both semesters of Geometry

Students interested in enrolling in Geometry and Algebra 2 concurrently may do so if the following prerequisites are met: 1) Minimum of 3.5 cumulative GPA at the time of registration, and 2) Minimum 1st semester grade of A– in math at the time of registration, or instructor approval.

Algebra 2 reviews and builds upon the concepts in Algebra 1 and Geometry. Topics include rational and irrational expressions; factoring of rational expressions; matrices; solving and graphing polynomial functions and inequalities; conic sections; exponential and logarithmic relations; sequences, series; and more in-depth trigonometric functions. This is a two-semester course intended for any student, but especially those planning on attending college.
PRE-CALCULUS
(1 Unit—2 Semesters)(Elective 11,12)
Prerequisite: C+ or higher in Algebra 2 both semesters (or teacher recommendation)
Pre-Calculus combines the study of Trigonometry, Elementary Functions, Analytic Geometry, and Math Analysis topics as preparation for calculus. Topics typically include the study of complex numbers; polynomial, logarithmic, exponential, rational, right trigonometric, and circular functions, and their relations, inverses and graphs; trigonometric identities and equations; solutions of right and oblique triangles; conic sections; mathematical induction; matrix algebra; sequences and series; and limits and continuity. As well as the opportunity to explore sequences in series, combinatorics, probability, and statistical analysis. This is a two-semester course intended for students planning to attend college.

COLLEGE CALCULUS
(1 Unit - 2 Semesters)(4 college credits)
(Elective 12)
Prerequisite: Senior; Completion of Pre-Calculus with a B– or higher in both semesters; ACT composite score of 22 or higher; ACT math subscore of 22 or higher.
Calculus includes the study of limits, derivatives, differentiation, integration, the definite and indefinite integral, and applications of calculus. This is a one-semester college course offered over two semesters.
College Calculus is the equivalent to Briar Cliff University (BCU) MATH 217—Calculus I (4 college credits). There is a BCU tuition fee and textbook cost for this course. A full description of the dual-credit fees, course registration requirements, prerequisites, college credit, and textbook can be found on the parent permission form. This form must be signed by a parent/guardian prior to enrollment in the course.
PHYSICAL EDUCATION
DEPARTMENT
TRAVIS WESTHOFF
CHAIR

PHYSICAL EDUCATION
(0.25 Unit - 2 Semesters)
Required All Students, Each Semester
The following activities are offered by the Physical Education Department: 1) Soccer; 2) Speedball; 3) Field Hockey; 4) Line Football; 5) Touch Football; 6) Bowling; 7) Badminton; 8) Basketball; 9) Volleyball; 10) Dance; 11) Physical Conditioning; 12) Track and Field; 13) Softball; 14) Scooter Football; 15) Tennis; 16) Golf; 17) Frisbee Golf; 18) Table Tennis; 19) Weight Lifting; 20) Pickle Ball; 21) Educational Tapes; 22) Team Handball.

Six to eight of these activities are offered each year with the course offerings changed each year in order to avoid repetition. There is a good mixture of team and individual activities.

WEIGHTLIFTING
(0.25 Unit - 2 Semesters)
(Also satisfies the Physical Education requirement listed above.)
A basic weightlifting class will be offered each semester. During this class proper techniques of the basic lifts will be emphasized. Students are also given an opportunity to work on off-season strength training.
FOUNDATIONS IN SCRIPTURE
(0.5 Unit - 1 Semester)(Required 9)
This course will give students a general knowledge and appreciation of the Sacred Scriptures. Through their study of the Bible they will encounter the living Word of God, Jesus Christ. They will learn how to read the Bible and will become familiar with the major sections of the Bible and the books included in each section. The students will pay particular attention to the Gospels, where they may grow to know and love Jesus Christ more personally.

SACRAMENTS
(0.5 Unit - 1 Semester)(Required 9)
This course will help students understand that they can encounter Christ today in a full and real way in and through the sacraments, and especially through the Eucharist. Students will examine each of the sacraments in detail so as to learn how they may encounter Christ throughout life. An emphasis will be placed on preparing for Confirmation.

WHO IS JESUS CHRIST?
(0.5 Unit - 1 Semester)(Required 10)
This course will introduce students to the mystery of Jesus Christ, the living Word of God, the Second Person of the Blessed Trinity. Students will understand that Jesus Christ is the ultimate Revelation of God. In learning about who He is, the students will also learn who He calls them to be.

LIFE IN CHRIST
(0.5 Unit—1 Semester)(Required 10)
This course will help students understand that it is only through Christ that they can fully live out God’s plans for their lives. Students will learn moral concepts and precepts that govern the lives of Christ’s disciples.
THE CHURCH  
(0.5 Unit - 1 Semester)(Required 11)  
This course will help students understand that in and through the Church they encounter the living Jesus Christ. Students will be introduced to the fact that the Church was founded by Christ through the Apostles and is sustained by Him through the Holy Spirit. Students will learn not so much about events in the life of Christ, but about the sacred nature of the Church.

WORLD RELIGIONS  
(0.5 Unit - 1 Semester)(Elective 11,12)  
This course studies the origins, development and beliefs of major Christian and non-Christian religions of the world. The purpose of this course is to help students recognize the benefits of having contact with other major world religions, both for understanding current events that are often shaped by religious beliefs and concerns and for growth in the understanding and integration of their own Catholic faith.

This course can be challenging as many of the religions contain vocabulary in languages other than English and the course requires more reading than other religion courses typically do.

THE MISSION OF JESUS CHRIST  
(0.5 Unit - 1 Semester)(Elective 11,12)  
This course will allow students to further understand all that God has done for us through His Son, Jesus Christ. Students will learn that through all eternity God has planned for us to share eternal happiness with Him. Students will be introduced to what it means to be a disciple of Christ and what life as a disciple entails.

CHRISTIAN LEADERSHIP TEAM  
(0.5 Unit - 1 Semester)(Elective 11, 12)  
This course focuses on expanding leadership skills for students as they enhance the faith life of other students. This course promotes spirituality and faith formation among the entire student body and the outside community. Individuals taking this course will be held responsible for organizing retreats from 7th-11th grades, mass plan-
ning throughout the liturgical calendar year, various service projects and exposing students to social justice issues. This group will also be accountable for the environment of the school as we work to keep our Catholic identity. This course will challenge one’s spiritual commitment. As a leader in a Catholic high school, members are expected to be positive role models in and out of the classroom. Students will be chosen through an application process and will serve on the team for one academic school year.

RESPONDING TO THE CALL OF JESUS CHRIST
(0.5 Unit - 1 Semester)(Elective - 11, 12)
This course will focus on adult vocations in the two sacraments of marriage and priesthood. The discernment of these vocations involves preparation through living a chaste single life, which is also essential to living the permanent single vocation. For both women and men, lay and ordained, careful deliberation must also be given to the various callings of how to live our lives. This course provides a thorough presentation of these permanent vocations to marriage and religious life and the path to committing to each one.

CHRISTIAN SOCIAL PRINCIPLES
(0.5 Unit - 1 Semester)(Elective 11, 12)
This course is intended to interpret adult social responsibility in terms of the student's identity as a Christian person. The basic principles of social justice as contained in the teaching tradition of recent popes and the Second Vatican Council are explored through official documents and contemporary sources of commentary and opinion.
PHYSICAL SCIENCE
(1 Unit - 2 Semesters)(Required: Grade 9)
This course provides introductory information and knowledge for chemistry and physics. Students are introduced to collecting and interpreting scientific information, reading graphs, and a working understanding of the scientific method. Atomic theory, chemical reactions, force, work, energy, motion, heat, light, sound and electricity are areas covered by this course. Prepares students for future lab oriented courses.

BIOLOGY
(1 Unit - 2 Semesters)(Grade 9 or 10)
Required Course for Grade 10 Students interested in enrolling in Physical Science and Biology concurrently during their 9th grade year may do so if the following prerequisites are met: 1) Minimum of 3.5 cumulative GPA at the time of registration, and 2) Minimum 1st semester grade of A– in 8th grade science at the time of registration, and 3) Enrollment in Algebra 1 in 8th grade with a minimum 1st semester grade of A– in Algebra 1 at the time of registration, or instructor approval.
The first semester includes an in-depth study of the cell, micro-organisms like algae, protozoa, fungi, bacteria, and viruses. Second semester includes a study of genetics, worms, mollusks, arthropods, amphibians, and plants. Lab experiences include learning proper microscope techniques, preparing and examining microscope slides, and dissection of preserved animals.

AGRI SCIENCE 1
(1 Unit - 2 Semesters)(Elective 9,10,11,12)
Agri Science 1 is a two semester course. Semester 1 includes the basics of agriculture, genetic engineering, soil
and types of soil and animal science. Semester 2 includes animal genetics and also a strong focus on plants, plant growth, plant types and nutrients.

*Agri Science 1 does not fulfill NCAA requirements for science.

*Agri Science 1 does not count as a core course in the RAI calculation. See page 11 for more information about the RAI score.

CHEMISTRY
(1 Unit - 2 Semesters)(Elective 10, 11, 12)
Prerequisite: Successful completion of Biology, successful completion or concurrent enrollment in Algebra 2, and approval from the instructor. Students interested in enrolling in Biology and Chemistry concurrently may do so if the following prerequisites are met: 1) Minimum of 3.5 cumulative GPA at the time of registration, and 2) Minimum 1st semester grade of A– in science at the time of registration, or instructor approval.

This course provides an overview of general topics in chemistry. First semester includes a review of the scientific method, an in-depth study of the atom, chemical bonding, and chemical names and formulas. Second semester includes a detailed application of the mole, stoichiometry, the gas laws, solution formation, and acid-base reactions. A lab fee of $10 may be required to cover lab supplies and equipment.

ENVIRONMENTAL SCIENCE I & II
(0.5 Unit each - 1 Semester each)(Elective 11, 12)
Prerequisite: Successful completion of Biology.

The goal of these classes is to develop students as citizens who will be able to make responsible decisions concerning our environment to make our earth a better place to live. We will be doing labs and projects to explore topics including: population growth, landfills, recycling, water pollution, nonrenewable and renewable energy sources, conservation of natural resources, climate change, and
genetic engineering/biotechnology.

**HUMAN ANATOMY**

(1 Unit - 2 Semesters)(Elective 11, 12)
Prerequisite: Completion of Biology with a B– or higher in both semesters.

This course is an introduction to the anatomy and physiology of the human body. It is essential for students interested in the fields of medicine, physical therapy, nursing, or any health-related occupation. It is beneficial to any student interested in learning more about the workings of the body.

First semester topics include a review of cell biology and chemistry, tissue types, the integumentary system, skeletal system, muscular system, and respiratory system. Labs will include microscope activities, practical hands-on activities, field trips, and guest speakers when applicable. Second semester will include the remaining systems of the human body. These include the nervous, circulatory, endocrine, immune, digestive, urinary, and reproductive systems. The course will culminate in a field trip to the Briar Cliff cadaver lab at the beginning of May. Students who enroll in this course must be highly motivated and ready to devote significant time to studying.

**PHYSICS**

(1 Unit - 2 Semesters)(Elective 12)
Prerequisite: Teacher approval and C+ or higher in Algebra 2

This is a college prep class designed for the students who have a curiosity about the physical world. Emphasis is placed on understanding the concepts of energy, energy transfer, energy conservation, and radiation, developing laboratory skills and using scientific method to investigate, applying the ideas of physics to technology and developing an awareness of the impact of physics on society.
COLLEGE CHEMISTRY

(1 Unit—2 Semesters)(4 college credits)
(Elective 12)

Prerequisite: Senior; completion of Chemistry with a B– or higher in both semesters; ACT composite score of 22 or higher; ACT math subscore of 22 or higher

This course is the first half of a two semester sequence which introduces the student to the basic principles of chemistry (Gehlen only offers the first semester). This half builds a foundation upon which future studies in chemistry can be added. We will discuss such topics as the mole, stoichiometry, chemical nomenclature, the structure of the atom, and properties of matter. In addition to teaching chemical properties, this course will also develop the students' analytical thinking skills.

College Chemistry is equivalent to Briar Cliff University (BCU) CHEM 111 and CHEM 111L—Principles of Chemistry I and Principles of Chemistry Laboratory I (4 college credits). There is a BCU tuition fee and textbook cost for this course. A full description of the dual-credit fees, course registration requirements, prerequisites, college credit, and textbook can be found on the parent permission form. This form must be signed by a parent/guardian prior to enrollment in the course.
WORLD GEOGRAPHY
(0.5 Unit - 1 Semester)(Required 9)
This course seeks to make the world and its cultures come alive for the student. Studies of different countries and continents of the world within the context of their geographic locality will receive great emphasis. The cultures of these countries and continents will also be explored to give the student a well rounded insight into the world and its people.

WORLD HISTORY
(1 Unit - 2 Semesters)(Required 10)
This course will survey the history of man from the beginnings until the 20th Century. The survey will focus attention on the great events of history and their contributions to society as it exists today.

MODERN U. S. HISTORY
(1 Unit - 2 Semesters)(Required 11)
This course provides students with an understanding of why America’s basic institutions (economic, social, political, religious, etc.) and values (democracy, individuality, Christianity, etc.) are as they exist now. Methods and materials used will help the student develop skills, attitudes and the understanding necessary to be an effective American citizen.

GOVERNMENT
(0.5 Unit - 1 Semester)(Required 12)
This course covers the following main areas: the structure of the federal government in relation to government structures worldwide; the United States economic philosophy of capitalism in relation to other philosophies world wide; constitutional law and the amendments; the powers of the federal government; the Congress of the
United States (its powers- its actions); immigration; citizenship; civil rights; the executive branch of government; and the national judiciary. Other areas covered include the politics of United States democratic philosophy and elections, a focus on current affairs, and the United States in a global perspective.

ECONOMICS
(0.5 Unit—1 Semester)(Elective 10,11,12)
This essential course for all educated consumers will cover material such as economic, consumer and personal finance concepts that will come to life in the very near future for every individual. Other areas that will be covered will be consumers in action, vote your wallet, cyber consumer, and economic communication all brought forward with the basic consumer and his/her interaction with the global economy in mind.

HOLOCAUST/ETHICS
(0.5 Unit - 1 Semester)(Elective 11 & 12)
This course will be presented in terms of social and Christian ethics. Different issues in regards to ethical concerns in our society will be discussed. Students will be able to relate Holocaust events with issues that concern our world today, such as contemporary genocide. Therefore, the course does not end with the Holocaust that happened in Nazi Germany. This course will bring us into today’s world and its’ issues. At the end of the course, students will be able to know and understand the Holocaust and ethical aspects that lead us to a deeper appreciation and empathy for other people.

SOCIOLOGY
(0.5 Unit - 1 Semester)(Elective 12)
This course covers the following main areas: the science of sociology, sociology in everyday life, culture and its transmission to future generations, problems in group life, society and its changing nature, analysis of social problems, and current affairs nationally and internationally.
PSYCHOLOGY
(0.5 Unit - 1 Semester)(Elective 12)
This course covers the following main areas: the science of psychology and its application to everyday life; the principles of learning and how to learn efficiently; the process of thinking; measuring intellectual ability; understanding personality; behavior disorders and their treatment; psychology as a helping profession; and numerous psychotherapies.
Juniors and Seniors may take courses not offered at Gehlen Catholic that are offered by Le Mars Community High School on a shared time basis.

Students registering for these courses must be able to provide their own transportation.

A complete listing of courses can be located on-line at the following address:

Concurrent Enrollment Classes:

Junior and Seniors wishing to take Concurrent Enrollment Classes at LCHS (formerly known as Dual Credit Courses) for high school and college credit will need to meet certain requirements to be eligible to take these classes. See page 8 of the LCHS course guide for requirements and student eligibility criteria.

When taking a concurrent enrollment class, students will be able to receive Gehlen credit and college credit. The college credit earned will be given by WITCC. Students will have to request a transcript from WITCC to show the college credit. The high school credit will be reflected on your Gehlen transcript. WITCC credit may transfer to other educational institutions.

The tuition for the college credit will be paid by the school district to WITCC. Students are responsible for buying the book for the class. The school will provide a list of
books with their ISBN’s. Students may pick this up in LCHS’ office.

See the LCHS Course Description Book available in the main office for more course criteria.
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