### GEHLEN CATHOLIC HIGH SCHOOL



COURSE
DESCRIPTION BOOKLET
AND
HANDBOOK
2025-2026

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# GEHLEN CATHOLIC SCHOOLS MISSION STATEMENT

GEHLEN CATHOLIC SCHOOL
STRIVES TO
PROMOTE AN OPENNESS TO GOD,
TO PROVIDE A QUALITY EDUCATION,
AND
TO INSTILL CATHOLIC VALUES
IN A
CARING
CHALLENGING,
AND
PRAYERFUL
ENVIRONMENT.

#### INTRODUCTION

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 19. (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 school year.



I Have a Plan lowa 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<sup>®</sup> 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 lowa'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.IHaveAPlanlowa.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

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, world language, or computer science). 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 <a href="www.regents.iowa.gov/RAI/">www.regents.iowa.gov/RAI/</a> to calculate your own RAI score

Applicants who choose not to report an ACT or SAT score may be admitted under an alternate index which still utilizes GPA and high school core courses and/or may be required to provide other admissions materials.

### Minimum Course Requirements for Admission at lowa Regent Universities

Find the most current information here:
<a href="https://www.iowaregents.edu/institutions/higher-education-links/regent-admission-index/rai-info">www.iowaregents.edu/institutions/higher-education-links/regent-admission-index/rai-info</a>

#### English:

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

#### Math:

<u>lowa State Univ</u>.: **3 years**, including at least two years of courses which emphasize elements of algebra, geometry and advanced algebra.

<u>The Univ. of Iowa</u>: **3 years**, including algebra, geometry, and advanced algebra for admission to the College of Liberal Arts and Sciences.

**4 years**, with the addition of pre-calculus for admission to the College of Engineering.

<u>Univ. of N. Iowa</u>: **3 years**, including the equivalent of algebra, geometry, and algebra II.

#### **Natural Science:**

<u>lowa State Univ</u>.: **3 years**, including at least two years of courses which emphasize elements of biology, chemistry and physics

The Univ. of Iowa: 3 years, including courses in physical sci-

ence, biology, chemistry, environmental science and physics for admission to the Colleges of Liberal Arts and Sciences and Engineering.

**3 years**, with at least one year each in biology, chemistry and physics for admission to the College of Nursing.

<u>Univ. of N. lowa</u>: **3 years**, including courses in general science, biology, chemistry, earth science, or physics; laboratory experience highly recommended.

#### **Social Studies:**

<u>lowa State Univ.</u>: **2 years** for admission to the Colleges of Agriculture and Life Sciences, Business, Design, Engineering, and Health and Human Sciences. **3 years** for admission to the College of Liberal Arts and Sciences.

<u>The Univ. of Iowa</u>: **3 years**, with U.S. history and world history recommended for admission to the College of Liberal Arts and Sciences.

**2 years** for admission to the College of Engineering. <u>Univ. of N. lowa</u>: **3 years**, including courses in anthropology, economics, geography, government, history, psychology, or sociology.

#### World Language:

<u>lowa State Univ.</u>: **2 years** of a single world language for admission to the Colleges of Liberal Arts and Sciences and Engineering.

<u>The Univ. of Iowa</u>: **2 years** of a single world language are required for admission. For many degrees, the fourth year of proficiency is required for graduation.

<u>Univ. of N. lowa</u>: World language courses are not required for admission. However, 2 years of a world language in high school with a C- or above in the last term will meet the university graduation requirement.

#### Other Courses:

<u>lowa State Univ</u>.: Specific elective courses are not required for admission.

<u>The Univ. of Iowa</u>: Specific elective courses are not required for admission.

<u>Univ. of N. lowa</u>: **2 years** of additional courses from the required subject areas, world 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 14 of this book for more information.
- Online courses. Please see page 16 of this book for more information.
- 3. Concurrent enrollment courses taught at LCHS. Please see page 65 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.

Cliff Academy - Gehlen Catholic and Briar Cliff University Dual-Credit Course Offerings

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Gehlen Course Title	Briar Cliff Course Title(s)	# of College Credits	Length of Course	Cost	Textbooks <sup>2</sup>	Prerequisites <sup>3</sup>
College Chemistry I	CHEM 111 Principles of Chemistry I & CHEM 111L Principles of Chemistry Laboratory I	4 total (3 credits for the lecture course and 1 for the lab)	] semester	\$30/credit hour (\$120) plus textbook	To be determined. There will be an additional cost.	-Senior -Completion of Chemistry with a B+ or higher both semesters -Cumulative GPA of 3.0 or higher after six semesters.
College Chemistry II	CHEM 112 Principles of Chemistry II & & CHEM 112L Principles of Chemistry Laboratory II	4 total (3 credits for the lecture course and 1 for the lab)	l semester	\$30/credit hour (\$120) plus textbook	Same textbook as College Chemistry I	-Successful completion of College Chemistry I
College Calculus	MATH 217 Calculus I	4	l year	\$30/credit hour (\$120)	Textbook is provided at no extra cost	-Senior -Completion of Pre-Calculus with a B+ or higher both semesters -Cumulative GPA of 3.0 or higher after six semesters.
College Statistics	MATH 200 Elementary Statistics	4	l year	\$30/credit hour (\$120)	Textbook is provided at no extra cost	-Senior Completion of Algebra 2 with a B+ or higher both semesters OR completion of Pre-Calculus with a B or higher both semesters.  -Cumulative GPA of 3.0 or higher after six semesters.
College English	WRTG 131 Writing in the Digital Age & ENGL 110 Introduction to Literature	6 (3 credits for each course)	l year (must enroll in both courses)	\$30/credit hour (\$180) plus textbook(s)	WRIG 131: - Jewyone's za Aurhor: with Readings. 3rd Edition. W.W. Norton & Company, 2014 by Andrea Lunsford et al ENGL 110: - Literature: The Human Experience. Reading and Writing. Shorter Eleventh Edition by Exchand Abrarian, Marvin Klotz & Samuel Cohem	-Senior -Completion of English 11 with a B+ or higher both semesters -Cumulative GPA of 3.0 or higher after six semesters.
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Costs are valid for the 2025-26 school year. Brist Cliff University (BCU) has discounsed their tuition costs for the dual-credit program. Neither BCU nor Geblen Catholic can offer additional financial aid for the dual-credit courses.

\*Unless noted differently in the chart above, textbooks are not provided by either BCU or Geblen 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 2025-20 year.

\*Instructor approval cannot be used to replace a persequisite. If a student registers for a college course during the spring but then does not meet the prerequisites after the completion of the school year, an alternate class will be added to their next year's schools.

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# Additional Information

# Academic Rigor:

- A syllabus will be provided at the beginning of the course which will outline course expectations. These are college-level courses with rigorous requirements.
   Please refer to Gehlen Catholic's Course Description Book for additional course information.

- The student will receive credit from Geblen Catholic as well as from BCU upon successful course completion.

  The grade earned in the course will appear on the high school transcript and will count in the high school GPA.

  Geblen Catholic cannot state if or how college credits will transfer to other institutions. Individual colleges and universities will determine whether and how they will accept transfer college credit and how that credit will impact a student's college GPA. It is the student's responsibility to obtain this information.

# Course Registration:

- Prerequisites are listed on the previous page.
   Students will be allowed to drop the course, with no college tuttion charge, within the first five school days of the course. After the fifth day, students will be charged the full seamont of the course and must stay emolated for the semester. If a student opts to drop a year-long course at semester, no refund of any kind will be issued. There will be amount to the BCU transcript for not completing the full course. These repercussions will be determined by BCU and may include receiving a failing grade for the full
  - course. Students will not be registered for dual-credit courses without this signed parent permission form. This original form will be kept by Gehlen Catholic.

## Fees and Billing:

- The student is responsible for obtaining a textbook for the course. The cost of buying or renting the textbook is in addition to the \$30/credit hour fee.
   Fees for the courses are due upon billing from Gehlen Catholic.

  - Neither tuition assistance from Gehlen Catholic nor financial aid from BCU are available for dual-credit courses.

rrinted Student Name:  I have read and <u>understand</u> both pages of this form. I approve of my son/daughter registering for the dual-credit courses indicated below:	ed below:
□ College Chemistry I □ College Chemistry II □ College Calculus □ College Statistics	Statistics   College English
Also, Gehlen Catholic has permission to share information about my child with BCU, including but not limited to, registration and contact information, class performance, and course grades.	nd contact information, class performance, and
Parent/Guardian Signature:	Date:
I have read and understand both pages of this form. I have met the prerequisites for the courses marked above.	
Student Signature:	Date:

#### Gehlen Catholic School

#### College Now Concurrent Enrollment

Online Courses for College Credit through Western Iowa Tech Community College (WITCC)

Your student has requested to register for an online college course through WITCC. Please read the following guidelines.

- · Per LCHS, these courses are an opportunity open to students who wish to enroll in online classes through WITCC. The purpose is to expand the scope of offerings available to our students and provide students the opportunity to experience online learning prior to graduation. Opportunities are regulated by Great Start guidelines and LCHS board policy 603.7 "Virtual/Online Courses."
- · Per state guidelines, online courses through this program can supplement, but not replace, the high school's course offerings and requirements. Therefore, students must take all required units for graduation through Gehlen Catholic/LCHS which includes specific courses and a minimum of 6.25 units of Gehlen Catholic/LCHS classes per academic year.
- Students must show proficiency in reading, math, and science on the most recent administration of the lowa Statewide Assessment of Student Progress (ISASP) or meet the alternative measure as determined by WITCC and LCHS. Additionally, students are subject to specific prerequisites set by WITCC for specific courses.
- · 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.
- Gehlen Catholic cannot state if or how college credits earned through this program will transfer to other institutions. Individual colleges and universities will determine whether and how they will accept transfer college credit and how that credit will impact a student's college GPA. It is the student's responsibility to obtain this
- · Students are completely responsible for submitting assignments, taking tests, meeting deadlines, being in contact with their college professor if questions arise, and returning borrowed textbooks in excellent condition. Students will be independent in completing these courses.
- . WITCC's "drop/withdraw" policies will be followed. Simply not completing the course once registered will result in a failing grade. Please review the drop dates and policies provided by WITCC, and, if needed, see the guidance office for a form to officially drop or withdraw from a course.
- · Registration 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.

#### To Register:

- Bring these completed forms to Gebler's 7-12 Guidance Office:

  1. WITCC College Now Application for Admission (on reverse side)
  - 2. This signed form

I have read and understand the above guidelines for online concurrent enrollment courses. I understand that the student is taking this course independently. Furthermore, I understand that the grade earned in this course will appear on the student's high school transcript and will affect the high school GPA.

		ion about my child with WITCC and LCH st scores (ACT, ISASP), GPA and cour	
Parent/Guardian Signature	Date	Student Signature	Date

#### 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:**

English	4.5 Units
Religion	4.0 Units
Social Studies	3.0 Units
Mathematics	3.0 Units
Science	3.0 Units
Fine Arts	0.5 Unit
Phys. Ed	1.0 Unit
Humanities	0.5 Unit
Electives	5.0 Units
Financial Literacy	0.5 Unit
TOTAL	25 UNITS

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.** Art
- 6. 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 9 Foundations in Scrip Phys. Sci. Math Geography Phys. Ed./Study Hall	English 9 Sacraments Phys. Sci. Math Communications Phys. Ed./Study Hall
Grade 10 English 10 Who is Jesus Christ Science World History Math Phys. Ed./Study Hall	English 10 Life in Christ Science World History Math Phys. Ed./Study Hall
Grade 11 English 11 Religion Modern US Hist Phys. Ed./Study Hall Math Science	English 11 The Church Modern US Hist Phys. Ed./Study Hall Math Science
Grade 12 English 12 Religion Government Phys. Ed/Study Hall	English 12 Religion Financial Literacy* Phys. Ed./Study Hall

<sup>\*</sup>may be taken in 11th or 12th grade

#### **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.

# BUSINESS AND TECHNOLOGY DEPARTMENT

NANCY LANDHUIS
CHAIR

#### FINANCIAL LITERACY

(0.5 Unit - 1 Semester)(Grade 11 or 12)

#### Required for graduation

This is a course that is required by Gehlen Catholic. 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 also utilized to implement real-world scenarios. There is also an option to earn 3 college credits from UNI.

#### ADVANCED FINANCIAL LITERACY

(0.5 Unit—1 Semester)(Elective 11, 12)

Prerequisite: Successful completion of lowa Financial Literacy and approval of instructor

This course will dig deeper into all the topics touched on in Financial Literacy plus add units on Filing your Income Taxes, Philanthropy, Careers and Paying for College. Students will have the opportunity to learn even more regarding investing, insurance, Alternative Education paths and the FIRE movement.

#### **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 MICROSOFT OFFICE PRO

(0.5 Unit - 1 Semester)(Elective 9, 10, 11, 12) (Maximum of 15 students per section)

Student's considering studying business after high school would benefit from this course as most colleges and businesses utilize Microsoft Office (rather than Google). This course will give the student a well-rounded basic knowledge of the programs, equipment, and features of Microsoft Word, Excel, PowerPoint, and other possible programs (time permitting) by using a hands-on approach that will allow for tailored learning for every student. The material covered will prepare students for higher education and the work field.

#### **COMPUTER SCIENCE DISCOVERIES**

(0.5 Unit - 1 Semester)(Elective 9, 10, 11, 12) This course is an introductory computer science course which takes a wide lens on computer science. Topics covered in the course include problem solving, programming, physical computing, user centered design, and data. Students will build their own websites, apps, animations, games, and physical computing systems.

#### **WEB DESIGN**

(0.5 Unit - 1 Semester)(Elective 10, 11, 12) Students will learn to write html and css code while building their own website. 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.

#### **AG BUSINESS & MARKETING**

(0.5 Unit - 1 Semester)(Elective 10, 11, 12)
This course will introduce students to the fundamentals and techniques behind the business management and sales techniques of an agricultural production operation. Over the duration of this course, students will gain knowledge and skills in economic principles of agribusinesses while learning how to decipher breakeven prices, calculate balance sheets, networth, and cash flow

statements. In addition, students will enhance their learning in agricultural sales while exploring creating a professional agriculture sales pitch as a capstone project.

Note: Additional agriculture courses are listed in the Science Department.

#### **ACCOUNTING 1**

(0.5 Unit - 1 Semester)(Elective 10, 11, 12)
This course presents the basic and fundamental principles of accounting and is designed to provide users the accounting skills necessary for the home office and sole proprietorship business settings. If you are interested in running your own business someday, accounting basics are essential. Students will learn how business transactions are reported while demonstrating practical application of the accounting cycle for a sole proprietorship. Whether planning a career in business or wanting to be able to handle your own financial records, Accounting 1 is a great place to start.

#### **ACCOUNTING 2**

(0.5 Unit - 1 Semester)(Elective 10, 11, 12)

Prerequisite: Successful completion of
Accounting 1 and approval of instructor
In this unit, students will build on the concepts learned in
Accounting 1. Accounting 2 will focus on the accounting
practices that merchandising businesses formed as partnerships would utilize.

#### **ACCOUNTING 3**

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

Prerequisite: Successful completion of
Accounting 1 & 2 and approval of instructor

This course is an advanced course that will build on concepts from Accounting 1 & 2. Students will learn material that will 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. The class will begin with accounting for corporations. We will also learn how to prepare tax forms, study forensic accounting and dig deeper into accounting as a career.

#### **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.

#### **ENGLISH DEPARTMENT**

#### ALISON SCHILLING CHAIR

#### **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 impromtu speaking. The course will also cover the use of visuals, research, organizational skills, principles of debate and Parliamentary procedure.

#### **ENGLISH 9**

(1 Unit - 2 Semesters)(Required 9)

Students in English 9 will engage in a rigorous, skill-based curriculum integrating all areas of literacy: reading, writing, speaking, listening, and viewing. Students will analyze, synthesize, and evaluate to create and extend meaning in a variety of fiction and non-fiction texts. Writing skills include organizing ideas, incorporating textual evidence with appropriate documentation, utilizing transitions, and continually revising and improving the written product. Additionally, students will develop their skills as critical thinkers, readers, and writers through the research process. Speaking, viewing, and listening skills will be developed and improved continually throughout the year in all areas of study. Additional emphasis will be placed on word origins and vocabulary words in context.

#### **ENGLISH 10**

(1 Unit - 2 Semesters)(Required 10)

Students in English 10 will use their learning from the previous year as a scaffolding to continue building English Language Arts skills in literature and composition. Students will integrate reading, writing, speaking, viewing, and listening with a focus on persuasion and constructing an argument. Students will engage in group communication activities and explore literature from around the world

#### **ENGLISH 11**

(1 Unit - 2 Semesters)(Required 11)
Students will integrate reading, writing, speaking, viewing

and listening with a focus on evaluation and analysis. Students will engage in platform speaking activities and explore the literary trends from Native American to Contemporary American Literature. An emphasis will be placed on formal composition, research writing, and literary analysis.

#### **PUBLICATIONS WRITING**

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

Prerequisite: Permission of Instructor; Completion of previous English courses with a C+ or higher in both semesters.

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 <u>Gehlen-Aire</u> and <u>Rosarian</u>. (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 12**

(2 Semesters are Required to equal 1 Unit)
All students will take the Survey of Literature during Fall semester.

Spring semester: Writing choice (Creative Writing

or Senior Composition)

OR

College English (Full Year) - must meet prerequisites

### SURVEY OF LITERATURE FROM ANGLO-SAXON TO POSTMODERN

(0.5 Unit—1 Semester)(Required 12)
Students will study literature dating from the Anglo-Saxon time period up to the Postmodern/Present day time period. This course is meant to provide students with a broad understanding of literature from around the world with special emphasis on the study of literary criticism and literary analysis.

#### **CREATIVE WRITING**

(Class size limited to 24)

(0.5 Unit—1 Semester)(Required Elective 12) Creative Writing is a semester-long course that explores a broad variety of creative writing genres. Genres covered in this course may include (but are not limited to) poetry, creative nonfiction, short fiction, and short plays. Students will develop writing skills through close and careful reading of genre examples and through daily writing practice. The writing workshop itself, where we share our work with others for constructive criticism and honest commentary, is a central focus of this course, and revision based on workshop feedback will be required.

#### SENIOR COMPOSITION

(0.5 Unit—1 Semester)(Required Elective 12) Senior Composition is a semester-long course in which students will prepare for reading, writing, and communicating in the workplace and introductory college level English courses. It will emphasize communication among peers, colleagues, and future employers. Students will continue to utilize their writing/speaking/listening skills to prepare for post-secondary education and life in the workplace.

#### **COLLEGE ENGLISH**

(1.0 Unit—2 Semesters)(6 college credits)(Elective 12)

Prerequisite: Senior; Completion of World Literature and Advanced Composition with a B+

### or higher in both semesters; Cumulative GPA of 3.0 or higher after six semesters.

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.

In the second semester, students will read and analyze literary texts that exemplify multiple genres and forms (novels, plays, short stories, poems, etc.), and learn foundational methods of vocabulary for literary study., College English is equivalent to Briar Cliff University (BCU) WRTG 131— Writing in the Digital Age (3 college credits) and (BCU) ENGL 110—Introduction to Literature (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.

#### FINE ARTS DEPARTMENT

### BETH SCHLICHTE CHAIR

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
- 5. Colored Pencil
- 2. Watercolor
- 6. Pastels
- 3. Acrylic
- 7. Marker
- 4. Oil

#### **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
  - Plaster
     Clay
  - 3. Wood
- Metals
   Fabrics

5. Plastics

- 4. Paper
- 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 fiberbased products and processes in order to create twodimensional 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
- 4. Serigraphy
- 4. Paper 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 an introduction to the science of recording visual images onto light-sensitive medium in a creative way. The student will learn camera functions and proper handling, be taught compositional techniques, experiment with lighting and filters, and become skilled at post-processing photographs. Offsite and classroom photo sessions are planned.

#### A. Types

1. Black and White

- 2. Color
- 3. Creative Methods
- B. Media
  - 1. Digital camera (student must pro-

**vide—**smart phone will suffice)

- 2. Laptop
- 3. Photo editing program
- 4. Photo Paper

#### 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. 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. A camp is held before school starts and early morning rehearsals occur through mid-October. Attendance is required for all performances and rehearsals.

#### **Concert Band**

The band will shift gears to concert band near the end of the marching band season. Emphasis is placed on proper warm-ups, scales, tonal production and rehearsal techniques. Music is chosen from all periods of music history. Performances include Veteran's Day, Christmas, Pops and Spring Concerts, Graduation, and Large Group Contest.

#### Solo/Small Ensembles:

Every high school student is required to prepare a solo or small group piece as part of their semester final. Preparation of music begins in January and runs through April or May, depending on the student. Students may choose to take solos and/or ensembles to Solo/Ensemble Contest in April.

#### Pep Band

Pep Band is an extension of marching band, and all band members are expected to participate. Activities include all pep assemblies and select basketball games. Rehearsals are during the regularly scheduled band class. Jazz Band

Jazz band is open to any 7-12 grade band student interested in participating. Rehearsals are held 2-3 times per week beginning after the marching band season. Music of varying styles will be used. Depending on instrumentation, students may be separated into a junior high and high school jazz band.

#### Lessons

High School: Every band student will be required to attend 7-8 lessons per quarter. Lesson times will be predetermined by the instructor at the be ginning of each quarter. Make-up lesson weeks will occur the week before midterm and the week before the end of the quarter.

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 will at tend 7-8 lessons per quarter. 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.

#### **Band Fees**

Wind instrument rental is \$100 per year, and students are expected to pay for repairs caused by misuse. A rental contract must be signed by both

parents and students. These rental fees help the Fine Arts Boosters with maintenance, replacement and instrument insurance costs. 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 oriented toward performance of various styles of choral music, from sacred to secular, classical to pop, English language to foreign. The choir sings at K-12 masses throughout the year, performs at concerts, and sings for other various events such as Catholic Choral Festival and Veterans Day. 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 Diocesan Catholic Choral Festival. Students have the option of auditioning for All-State Choir in the fall. Select students will also be taken to the Northwest 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.

#### **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 offered a private lesson each week. That lesson will happen during study hall or JAYS. Each lesson will be 15-20 minutes in length. Chamber Choir/Triple Trio

Prerequisite: Invitation of Instructor or Auditions Chamber Choir will comprise 12 members (3 soprano, 3 alto, 3 tenor, 3 bass). Triple Trip will comprise 9 members (3 soprano I, 3 soprano II, 3 alto). Numbers may fluctuate from year to year at the discretion of the director. 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 and Triple Trio will be at the beginning of the school year. Performances will include concerts, contests, 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. Instruction will be based on the assumption that students have an understanding of basic musical notation.

#### MUSIC THEORY AND EAR TRAINING

(0.5 Unit - 1 Semester)(Elective 9, 10, 11, 12)

Prerequisite: Band and/or Choir

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. 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.

#### **HEALTH DEPARTMENT**

#### ASHLEY LANGEL CHAIR

#### **HEALTH 1**

(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, stress management, physical fitness/exercise, emergency care and first aid, nutrition and diet. 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.

#### **HEALTH 2**

(0.5 Unit—1 Semester)(Elective 10, 11, 12)

Prerequisite: Health 1

This course will cover drug use and abuse, communicable disease prevention and treatment, and basic skills for the future. Students will have the opportunity to explore careers in the community and will have the opportunity to job shadow in fields that are related to health, education and/or drug and police education. Students will complete an on-site job shadow with a minimum of 2 hours at a health related organization and the remainder of the time at a field site of their choice. Students will journal and keep a time card and write a career paper and reflection. Students are responsible for their own transportation to and from the sites.

## MATHEMATICS DEPARTMENT

#### JILL HARPENAU CHAIR

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 Sequences

Option 1 OR	Option 2 OR	Option 3 (Algebra 1 in 8th grade)
Pre-Algebra	Algebra 1	Geometry
Algebra 1	Geometry	Algebra 2
Geometry	Algebra 2	PreCalculus
Algebra 2 or	PreCalculus or	College Calculus or
Business Math	College Statistics	College Statistics
	or Business Math	or Business Math

#### 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, in-

surance, 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.

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, and 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 Analy-

sis 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; Cumulative GPA of 3.0 or higher after six semesters.

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.

#### **COLLEGE STATISTICS**

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

Prerequisite: Senior; Completion of Algebra 2 with a B+ or higher in both semesters OR completion of Pre-Calculus with a B or higher both semesters; Cumulative GPA of 3.0 or higher after 6 semesters.

This course is designed to provide you with a foundation of statistical concepts and procedures that can aid the student as both a consumer and producer of statistical information. The emphasis is on collecting data, descrip-

tive statistics, probability, binomial and normal distributions, estimating, hypothesis testing, and regression analysis.

College Statistics is the equivalent to Briar Cliff University (BCU) MATH 200—Elementary Statistics (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.

#### RELIGION DEPARTMENT

#### DEACON DAN GOEBEL CHAIR

#### **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

ognize 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 and discipleship skills for students as they enhance the faith life of other students. This course promotes spirituality, faith formation and service among the entire student body and the outside community. Individuals taking this course will be held responsible for participating in and leading small groups in discipleship formation, organizing retreats, planning liturgies (including Mass and prayer services), vari-

ous 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 discipleship and spiritual commitment. As a Christian leader in a Catholic high school, members are expected to be practicing their faith and be willing to grow in faith as individuals and with others. Upon registering for class, students will complete and submit an application and go through the application process. Once selected, students will serve on the team for one academic 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.

# SCIENCE DEPARTMENT JACQUE SCHMITT CHAIR

#### PHYSICAL SCIENCE

(1 Unit - 2 Semesters)(Required: Grade 9)
This course provides introductory information and knowledge for chemistry and physics making connections to earth science. Students are introduced to collecting and interpreting scientific information, reading graphs, and a working understanding of the scientific method. Atomic theory, chemical reactions, force, gravity, energy, motion, heat, light, electricity, and planet formation and movement 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 mini mum 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 ecology, population growth, animal and plant cell function and photosynthesis. Second semester includes a study of genetics, amphibian and arthropods, and animal kingdoms such as mammals, with a dissection unit in the spring.

#### **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, chemical names and formulas, and a detailed application of the mole. Second semester includes stoichiometry, the gas laws, solution formation, equilibrium, nuclear chemistry, formation of stars, and acid-base reactions.

#### **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 Bor higher in both semesters, or approval from the instructor.

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 I**

(0.5 Unit—1 Semester)(4 college credits) (Elective 12)

Prerequisite: Senior; completion of Chemistry with a B+ or higher in both semesters; Cumulative GPA of 3.0 or higher after six semesters.

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 for college credit). 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.

#### **COLLEGE CHEMISTRY II**

(0.5 Unit - 1 Semester)(4 college credits) (Elective 12)

Prerequisite: Successful completion of College Chemistry during the first semester.

This course is the second half of a two semester sequence which introduces the student to the basic principles of chemistry. This half builds upon the basic principles of chemistry covered in college chemistry, and applies them to the areas of Thermochemistry, Electrochemistry, Equilibrium, Acid-Base Theory, and Descriptive Chemistry. These aspects of chemistry are application driven, and are important to many areas of the biological sciences.

In addition to teaching chemical principles, this course will also develop the students' analytical thinking skills. This course introduces few new principles. Instead it focuses on using those ideas to solve chemical problems. College Chemistry is equivalent to Briar Cliff University (BCU) CHEM 112 and CHEM 112L—Principles of Chemistry II and Principles of Chemistry Laboratory II (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.

#### AGRICULTURE SCIENCE COURSES

The agriculture science courses in this section count toward the minimum number of science credits needed to graduate from Gehlen Catholic.

College admission requirements vary, but it is common for four-year colleges to require at least 3 years of natural science. The courses in this section do not fulfill that requirement. The courses in this section also do not fulfill NCAA requirements for science, and they do not count as core courses in the RAI calculation. See page 11 for more information about the RAI score.

If students are considering attending a four-year college, it is highly recommended that they take 3 years of natural science in addition to any agriculture science courses.

#### **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.

#### **AGRONOMY**

(0.5 Unit - 1 Semester)(Elective 10,11,12)

Prerequisite: Successful completion of AgriScience 1

This course will introduce students to an overview of management and production practices associated with a diverse array of crops grown for agricultural purposes. Students will also learn the fundamentals of soil science in crop production, crop growth and development, pest management, fertilizer application, planting/harvesting practices, and managing risks related to crop science.

#### **ADVANCED ANIMAL SCIENCE**

(0.5 Unit - 1 Semester)(Elective 10,11,12)

Prerequisite: Successful completion of AgriScience 1

This course will introduce students to an overview of management and production practices associated with cattle, sheep, swine, equine, and small animals. The specific topics that will be included within the course include: life cycles, anatomy, physiology, nutrition, reproduction, evaluation, health, as well as industry trends. Students will have the opportunity to participate in unique dissections as well as other hands-on labs and industry field trips.

#### **FOOD SCIENCE**

(0.5 Unit - 1 Semester)(Elective 10,11,12)

Prerequisite: Successful completion of AgriScience 1

Students will explore a variety of sectors within the food science industry including -- the farm-to-fork process, food safety and quality assurance, foodborne illnesses, creating new food products, careers within the food science industry, and more through a diverse array of hands-on learning opportunities.

Note: An additional agriculture-related course is listed in the Business Department.

## SOCIAL STUDIES DEPARTMENT

### JEREMY SCHINDLER CHAIR

#### **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 its 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)
Economics is about making choices. This course will cover how individuals, families, businesses, and society use limited resources to fulfill their unlimited wants! Economics is a broad discipline that helps us understand historical trends, interpret today's headlines, and make predictions about the coming years. Economics ranges from the very small to the very large. The study of individual decisions is called **microeconomics**. The study of the economy as a whole is called **macroeconomics**. Our semester will touch on all of this and more!

#### **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.

## WORLD LANGUAGE DEPARTMENT

#### BETH EBERT CHAIR

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 the 7-12 Guidance Office 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 Guidance Office.

#### **SPANISH 1**

(1 Unit - 2 Semesters)(Elective 9, 10, 11, 12)
Prerequisite: Permission of the
8th Grade English or High School
World Language Instructor

Spanish 1offers 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.

This course is taught using Second Language Acquisition Strategies.

#### **SPANISH 2**

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

Pre-requisite: Successful completion of Spanish 1

Spanish 2 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. Enroll-

ment requires departmental approval.

This course is taught using Second Language Acquisition Strategies.

#### **SPANISH 3**

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

Prerequisite: Students must have completed semester two of Spanish 2 with a C+ (82.5%) or higher.

Spanish 3 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. This course is taught using Second Language Acquisition Strategies.

#### **SPANISH 4**

(1 Unit - 2 Semesters)(Elective 12)

Prerequisite: Students must have completed semester two of Spanish 3 with a C+ (82.5%) or higher.

Spanish 4 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. This course is taught using Second Language Acquisition Strategies.

#### LE MARS COMMUNITY SHARED TIME

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 provide their own transportation. Enrollment is subject to availability.

A complete listing of courses can be located online at: <a href="https://www.lemarscsd.org/high-school">https://www.lemarscsd.org/high-school</a>
Click on "Curriculum Guide"

Junior and seniors wishing to take concurrent enrollment classes at LCHS for high school and college credit will need to meet eligibility requirements which can be found in the LCHS course guide.

When taking a concurrent enrollment class, students will be able to receive high school 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 the Gehlen transcript. WITCC credit *may* transfer to other educational institutions. The tuition for the college credit will be paid by the school district according to Great Start guidelines.

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

Course Name		SCED
Business	Financial Literacy	22900
and	Advanced Financial Literacy	22900
Technology	Introduction to Business	12051
	Introduction to Microsoft Office Pro	10004
	Computer Science Discoveries	10021
	Web Design	10005
	Ag Business & Marketing	18201
	Accounting 1	12104
	Accounting 2	12104
	Accounting 3	12111
	Marketing	12152
English	Communications	1151
	English 9	1001
	English 10	1002
	English 11	1003
	Publications Writing	1149
	Advanced Communications	1199
	Survey of Lit—Anglosaxon to Postmodern	1062
	Creative Writing	1104
	Senior Composition	1103
	College English	1102
Fine Arts	Drawing Drawing	5156
1 1110 7 11 10	Painting	5157
	Sculpture	5158
	Fibers	5164
	Printmaking	5161
	Ceramics	5159
	Crafts	5165
	Photography	5167
	Art - Independent Study	5997
	Band	5101
	Concert Choir	5110
	Music History	5116
	Music Theory and Ear Training	5113

Health	Health 1 and 2	8051
Math	Pre-Algebra	2051
	Consumer Math	2157
	Business Math	2154
	Algebra 1	2052
	Geometry	2072
	Algebra 2	2056
	Pre-Calculus	2110
	College Calculus	2121
	College Statistics	2205
Physical Ed.	Physical Education	8001
	Weightlifting	8009
Religion	Foundations in Scripture	7005
	Sacraments	7001
	Who is Jesus Christ?	7009
	Life in Christ	7013
	Christian Social Principles	7014
	Responding to the Call of Jesus Christ	7015
	The Church	7008
	The Mission	7010
	World Religions	7002
	Christian Leadership Team	7016
Science	Physical Science	3159
	Biology	3051
	Agri Science 1	18002
	Chemistry	3101
	Environmental Science 1 & 2	3003
	Human Anatomy	3053
	Physics	3151
	College Chemistry I	3102
	College Chemistry II	3102
	Agronomy	18051
	Advanced Animal Science	18101

Science, cont.	Food Science	18305
Social Studies	World Geography	4001
	World History	4051
	Modern US History	4103
	Government	4151
	Economics	4201
	Holocaust/Ethics	4065
	Sociology	4258
	Psychology	4254
World	Spanish 1	6101
Language	Spanish 2	6102
	Spanish 3	6103
	Spanish 4	6104