Welcome to the Gustavus Adolphus College Class of 2020!

As Provost, I am responsible for the academic program of the College, and let me say right off that I can’t wait for you to get to know your professors better. Gustavus is listed among the top 100 liberal arts colleges nationally in part because of our GREAT professors! In addition to challenging your intellect, the faculty will support you in your personal growth.

I am also looking forward to your starting classes, so that you can experience firsthand the love of learning we promote at a liberal arts college. You will quickly discover how truly “real world” a liberal education is. A recent survey of over 300 employers on priorities for college learning and student success indicated that over 90% of employers agree that a job candidate’s demonstrated capacity to think critically, communicate clearly, and solve complex problems is more important than their undergraduate major. And more than nine in ten of the employers surveyed also said it is important that those they hire demonstrate ethical judgment and integrity; intercultural skills; and the capacity for continued new learning. What these employers are describing, without necessarily even knowing it, is a liberal arts education. It is exactly what we provide at Gustavus. When you match our institutional student learning outcomes with what the employers say they desire…it overlaps perfectly. Rest assured, at Gustavus you will get the education that your future employers want you to get, and the education we as a society so desperately need for people to engage as responsible citizens and leaders. At Gustavus, we call it EDUCATION FOR LIFE.

Our goal in this summer registration “Gear Up” is to make sure you get a strong start on the next four years. Up until now, your primary Gustavus relationship was with an admission advisor. During this summer registration period you will work with a faculty advisor who will help you make good choices about your fall classes. Be sure to make your preferences clear as you work with that summer faculty advisor to register for classes. And, know that in the fall you will have at least one class with your first year’s academic advisor, so you will be able to go over your schedule again before classes begin. We hope that:

- You will be surprised by interests and abilities you didn’t know you had.
- You will do your best work, whether for your major, general education, or elective courses.
- You will take courses that open up new ways of thinking for you.
- Your Gustavus academic record will be complemented by what you’ve learned studying away, completing an internship, doing research, and taking advantage of opportunities to lead and to serve.

We wish you all the best as you embark on this great academic adventure!

Dr. Mark J. Braun,
Provost and Dean of the College
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The Gustavus Adolphus College Honor Code

“As a community of scholars, the faculty and students of Gustavus Adolphus College have formulated an academic honesty policy and honor code system, which is printed in the Academic Bulletin and in the Gustavus Guide. As a student at Gustavus Adolphus College, I agree to uphold the honor code. This means that I will abide by the academic honesty policy, and by the decisions of the joint student/faculty Honor Board.”

You will signify your agreement by signing your Course Request sheet if you register on campus or verbally to the person who is registering you by phone, who will sign the Course Request sheet verifying your agreement. When you register online, you will be able to agree by that means.

As a part of the honor system, the following code will be written in full and signed on examinations and graded papers: “On my honor, I pledge that I have not given, received, nor tolerated others’ use of unauthorized aid in completing this work.”

In signing this statement, a student is promising that his or her work complies fully with the authorized aid as defined by the professor. It is each professor’s responsibility to state course penalties for academic honesty policy violations, and to define the level of authorized aid appropriate to the work in the course or to the particular assignment. However, the student is responsible to ask questions about any reasonable doubt they have regarding the professor’s definition.

An integral part of the honor code is non-tolerance of violations. This non-tolerance policy is recognition that we are not only responsible for our own ethical conduct but are also members of a vital community with obligations to contribute to its ethical climate. Under this code students are not expected to police others’ actions. Rather, students agree to report violations of which they become aware and where failure to do so would constitute an honor code violation.

Every Gustavus Adolphus College student is required to abide by the honor code.
Advising & Registration Manual (ARM)

The ARM is your guide to new student registration. It is full of information and resources, from how to prepare for registration on campus or by phone, to sample beginnings for majors and pre-professional interests. Throughout the ARM there are links to the Gustavus website, where the updated information and details that would overwhelm this guide can be found. So, sit down with your favorite electronic device and prepare for registration! To make use of the links, view the ARM online at: gustavus.edu/advising/firstyearregistration.php.

USE THIS ARM in combination with the First Year Student Registration Process worksheet found on the Academic Support Center website.

CATALOG (ACADEMIC BULLETIN):
For course descriptions, graduation requirements, major requirements, which semester(s) courses are offered, the purpose of area requirements for Liberal Arts Perspective, and a listing of courses for Three Crowns Curriculum, go to gustavus.edu, click on Academics and Academic Catalog.

COURSE SECTION SCHEDULE:
For you this first time, you have an abbreviated schedule of courses you are eligible to take. This schedule lists only fall semester courses and describes the First Term Seminar (FTS) classes. Go to WebAdvisor, Search for Classes and click on First Year Course Selection Schedule in the green box at the top of the screen.

KEEP THESE TIPS IN MIND:
• You are registering for fall semester only.
• You should register for at least 3.75 courses but not for more than 4.8. Majors that should be started in the fall include biochemistry and molecular biology, biology, chemistry, elementary and secondary education, non-English languages, nursing, physics, sciences for pre-professional interests, music, math, and computer science.
• Successful college coursework requires that you be independent and that you read, do assigned work, review your notes, and prepare for the next class each day.
• Activities, sports, clubs, student government, volunteer service, and student employment—are all important. However, your academics and your commitment to them is your first priority.
• During this first semester, give yourself time to learn about yourself and Gustavus. Take time to consider a few activities that you are passionate about, rather than collecting a variety of things that don’t really matter to you.
• You are surrounded by resources in the classroom, labs, residence halls, and through faculty and professional support staff. Ask for help when you need it. You’ll be glad you did.

Registration

In preparation for registration, follow the First Year Student Registration Process and list (10–20) courses you would be interested in and then plot some of them on the Weekly Planning Sheet for days and times they meet. Go online to gustavus.edu/firstyear/select by May 31 to indicate your preference for Three Crowns or Liberal Arts Perspective. If you choose LAP, you will be asked to identify your top 5 First Term Seminar (FTS) courses.

ON CAMPUS
Most of you will join us on campus for Gustie Gear-Up! Registration and Summer Orientation on June 14, 15, 16, or 17. Be sure to choose your date using our online Gustie Gear-Up! Sign-up Form at gustavus.edu/advising/registration.php. Consult the Academic Support Center website for details of the day.

BY PHONE
Complete the online Gustie Gear-Up! Sign-up Form and indicate you are unable to attend. Then you will call the Academic Support Center, 507-933-7027, to schedule an appointment time for a faculty advisor to call you to help you register. In order to register, you must agree to abide by the Honor Code. Your advisor will confirm that you have read and agree to this code after you have discussed it.

After your call you will have completed these important tasks:
• Registration for fall semester (the only unknowns will be for those who are auditioning in the fall for a music ensemble and for those interested in playing a varsity sport).
• You will know which requirement(s) your courses fulfill—electives, general education, and major.

Since you won’t be on campus for the registration days, you will need to complete these tasks:
• Send your forms to appropriate offices, according to the Gustavus Enrollment Checklist.
• When you arrive for Orientation in the Fall, there will be opportunities to have your ID picture taken.
REQUIREMENTS FOR GRADUATION

1. 34 courses are needed for graduation, 31 of which must be
semester courses, 2 of which are January Interim Experience
courses, .5 of physical education fitness (FIT), and .5 of
physical education activities (ACT).

2. Two years (16 regular semester courses minimum) are
required in residence, including the senior year. The senior
year may be the last two semesters preceding the conferring
of the degree or at least nine of the last 12 courses taken
warden toward the degree. Exceptions to the senior year residency
are made for students enrolled in Study Away Programs
sponsored by the College and in cooperative programs with
other institutions leading to a BA and professional degree.
At least three courses of the 16 must be taken outside of
the major department.

3. Three designated writing courses from at least two different
departments. One of these courses must be taken in the
first year (normally in the First Term Seminar/Historical
Perspectives I). At least one designated writing course must
be a WRITI (Writing Intensive) and one must be a WRITD
(Writing in the Disciplines).

4. An approved major.

5. A cumulative grade point average of 2.000 or higher.

6. Completion of the core requirements from either the Liberal
Arts Perspective or Three Crowns Curriculum.

LIBERAL ARTS PERSPECTIVE CURRICULUM:

Distributive Core
These requirements represent approximately one-third of the total
courses required for graduation and are intended to insure that
each student has had a broadly based liberal arts education.

1. First Term Seminar: As part of their first semester course
schedule, Liberal Arts Perspective students entering Gustavus
Adolphus College as first-year students enroll in one course
designated FTS100: First Term Seminar. The FTS is a small,
discussion-based course that introduces students to skills and
habits central to the liberal arts: critical thinking, writing,
speaking, and recognizing and exploring questions of values.
The FTS professor will serve as the first year academic
advisor. Each FTS carries a WRITI (writing) designation.
A list and description of FTS offerings is mailed to entering
students before registration, and posted in WebAdvisor.

2. Completion of a Non-English Language Requirement:
Liberal Arts Perspective students will pass the beginning
sequence in a non-English foreign language (the first two
courses constitute the beginning sequence in all such
languages) or will demonstrate equivalent proficiency.

3. General Education Liberal Arts Perspective Courses:
Each Liberal Arts Perspective student must complete nine
designated general education courses (including at least one
course from each of the following areas). No more than two
courses from the same department may be counted. Courses
can fulfill more than one general education requirement, but
a total of nine general education courses must be completed.

Liberal Arts Perspective Area Requirements
A Liberal Arts Perspective course teaches the principles of a
particular domain of study, provides its context, questions the
values of that domain, and builds bridges toward other disciplines.
The nine areas below are described in detail in the Gustavus
Academic Bulletin under requirements for graduation.

1. The Arts (ARTS)
   Departments contributing courses: ART, CLA, FRE, GRE,
   LAT, MUS, PHI, T/D

2. Biblical and Theological Studies (THEOL)
   Departments contributing courses: HIS, REL

3. Literary and Rhetorical Studies (LARS)
   Departments contributing courses: CLA, COM, ENG,
   FRE, JPN, GRE, LAT, RUS, REL, SCA

4. Historical and Philosophical Studies (HIPHI)
   Departments contributing courses: CLA, GEG, GRE,
   GWS, HIS, LAT, PHI, POL, REL, SCA, SPA, T/D

5. Mathematical and Logical Reasoning (MATHL)
   Departments contributing courses: MCS, PHI

6. Natural Science Perspective (NASP)
   Departments contributing courses: BIO, CHE, EDU, GEG,
   GEO, HES, PHY

7. Human Behavior and Social Institutions (SOSCI)
   Departments contributing courses: E/M, EDU, GEG,
   GWS, HIS, IDS, NUR, PCS, PSY, REL, S/A

8. Global Cultures and Perspectives (GLOBL)
   Departments contributing Courses: ART, ENG, FRE, GEG, GWS, HIS,
   IDS, JPN, MLC, MUS, NUR, PHI, POL, REL, S/A, SCA, T/D

9. Lifelong Fitness (FIT and ACT)
   Students must complete both the Personal Fitness (FIT)
   requirement (.5 course) and the Lifetime Activity (ACT)
   requirement (.5 course equivalent)
   Departments contributing courses: HES
3 CROWNS CURRICULUM:
CONNECTIONS, IDEAS, VALUES

Do you like discussion-based courses? Are you interested in belonging to a ready-made community? Do extracurricular activities such as weekend retreats, free trips to the Minneapolis Institute of Arts and Guthrie Theater, barbecues, and film nights interest you? Might you be interested in working with faculty on published research? Then the Three Crowns Curriculum may be the program for you!

The Three Crowns Curriculum is a unique way to fulfill general education requirements. It is a core curriculum in which integrated courses build upon each other to create a common body of knowledge. In small discussion-oriented classes, students engage in critical thinking, explore values, and learn writing and oral communication skills. A theme of “the individual and community” is seen throughout the program as it examines the Western tradition within a global perspective. Students are challenged to address ethical values questions both in class and in Three Crowns-sponsored cultural, social, and intellectual activities.

The courses listed below are open to Three Crowns Curriculum students only. The program is available, by application, to any entering first-year student, subject only to a limitation of 60 students per entering class. It is supported by a grant from the National Endowment for the Humanities and enrolls students from all the major fields of study.

If you choose the Three Crowns Curriculum for your first semester at Gustavus, you are guaranteed enrollment in CUR100 and CUR140, which are taught during first and second hours. Since these hours are chosen to avoid most (if not all) introductory courses for majors, you will find it very easy to complete your June registration and to start coursework in virtually any department that might lead to your eventual major.

The Three Crowns Curriculum recognizes that flexibility in scheduling is sometimes necessary; in cases of serious academic conflicts, students may petition to use appropriate substitutions, including courses taken abroad, to fulfill Three Crowns requirements. See the Director for further details.

Course sequence for your first year is as follows:

**First Year Fall**
CUR100 Historical Perspectives I
and
CUR140 The Biblical Tradition

**First Year Spring**
CUR110 Historical Perspectives II
and
CUR120 The Individual and Morality

Similarities and Differences

**WHEN YOU SHOULD DECIDE**

Because both programs begin the fall semester of your first year, you must identify a preference online at gustavus.edu/firstyear/select by May 31.

Enrollment in the Three Crowns Curriculum is limited to 60 first-year students per year, with preference given to those who complete the online form by May 31. Please visit the website, gustavus.edu/threecrowns/, to find out more information about this signature program.

**SIMILARITIES**

Both are general education programs—an introduction to a variety of academic disciplines, areas of learning, and ways of thinking for you to develop a liberal arts base of learning, a context for the major you choose.

Both have goals common to the reasons for liberal learning: that you be more than the name of your major/career, that your learning has both breadth and depth, that you begin to see the relationship among your courses, that you move from remembering information to integrating the knowledge into how you see things and make decisions, and that you continue to learn on your own for a lifetime.

Both require approximately 1/3 of your total coursework at Gustavus. (Total number of required courses is 34.)

Both offer courses that fulfill general education requirements only, as well as courses that may also apply toward a major or minor.

Both allow you to study overseas, double-major, or arrange an internship during your junior or senior year, depending on your major.

**DIFFERENCES**

In Liberal Arts Perspective you select nine courses from an approved list, which represent various academic areas, choosing one or more each semester. One of the nine, a First Term Seminar, is to be selected the fall semester of your first year.

All Three Crowns Curriculum students take a sequence of nine integrated and cross-disciplinary courses spread over their four years. Students remain together in a cohort, getting to know one another and Three Crowns faculty in a way that is unique to this tailor-made curriculum.

The Three Crowns Curriculum is an enriched program with many out-of-class educational opportunities. Cultural events, weekend retreats, and special seminars for Three Crowns Curriculum students and faculty complement discussion-oriented classroom learning. The Senior Seminar is a capstone course where your education and experiences come together in a final semester-long conversation about your life goals after graduation.

The Three Crowns Curriculum, with its emphasis on connections, ideas, and values, is known as an integrated liberal arts program.
Advancement Placement Credits

COLLEGE BOARD ADVANCED PLACEMENT
A score of 4 or better will give you college credit. Visit gustavus.edu/admission/majors/credit.php to see which Gustavus courses are equivalent to your AP exam. You will receive your score online in July, so you won’t know your results for new student registration. If you think you did well and scored a 4 or 5 on a test that will allow you to register for the next course in the sequence, register that way. If you aren’t sure, register as if you won’t receive that credit from AP. If schedule adjustments need to be made, the Office of the Registrar will contact you well in advance of your arrival in the fall.

INTERNATIONAL BACCALAUREATE
Scores of 4 or above on the higher-level exams give you college credit.

POST-SECONDARY EDUCATION OPTIONS CREDIT
Students who have taken college courses through a post-secondary education options program on the campus of accredited colleges and universities normally may transfer such work to Gustavus if those courses meet other requirements for credit stated in the college catalog. To receive PSEO credit, you must ask the institution where you took courses to send an official transcript to the Office of Admission as soon as possible.

Placement Exam Information

If you need to take either the Non-English Language or the Calculus Placement Exam, please do so by June 6 so that we may have your results ready for advising at Gustie Gear-Up! or if you are speaking with an advisor by phone for alternate registration.

CALCULUS PLACEMENT
Visit gustavus.edu/mcs/calculplacementexam.php to determine if you need to take the Calculus Placement Exam. Not everybody needs to take this exam, but if you choose a major or pre-professional program that requires Calculus, you MUST take the Calculus Placement Exam, unless you meet specific criteria defined in the online instructions. If you have followed the link above and you still have questions regarding calculus placement please email calculus-placement@gustavus.edu.

LANGUAGE PLACEMENT AND EQUIVALENCY
Learning a second language is a key piece of a well-rounded education in the reality of today’s global world. No matter what you chose to study, learning a foreign language will open new possibilities for you in the future and will enhance your résumés in an increasingly competitive job market. Language study is central to the college experience in exploring how as individuals we relate to the rest of the planet. Deepening the study of another language opens your eyes to new realities and other ways to see the world. Whether you want to expand your knowledge of another language and cultural understanding of the world, explore a new language, or meet the minimum college requirements, below you will find helpful information about how to start your language studies at Gustavus. You may also check out our new online interactive tool!

FIRST-YEAR STUDENTS ARE STRONGLY ENCOURAGED to begin non-English language studies in the fall semester.

WHY? If you plan further study of a language you have already taken, it is essential to build on that foundation and you will find college-level study more manageable than if you wait. It’s also a good idea to start right away to give yourself the most options for choosing that language as an eventual major or minor. If you don’t begin in the first year, you should definitely start in the sophomore year. Don’t be one of those seniors taking language in their fourth year and struggling!

Visit gustavus.edu/mlc/languagecoursereq.php to determine if you need to take the Language Placement or Language Equivalency Exam. Not everybody needs to take this exam. In general, you take the Placement Exam to place into language courses at Gustavus. The Equivalency Exam is for those students without college credit or equivalent who have extensive experience in a language but do not wish to study that language at Gustavus. If that is your case, you can prove equivalency by taking the Equivalency Exam. Please be aware that by taking language courses you will earn academic credit however, the Equivalency Exam is not for academic credit. The Equivalency Exam is only offered at specific times of the year before registration and at the beginning of each semester. See Modern Languages, Literatures, and Cultures’ website for specific dates.

If you have followed the links above and you still have questions regarding placement or the equivalency exam, please email Dr. Paschal Kvoore for French, Pat Branstad for German, and both Dr. María Isabel Kalbermatten and Dr. Ana Adams for Spanish.
Faculty Advisors

Every student at Gustavus has a faculty advisor throughout their time at the College. The Academic Support Center/ASC is also staffed with professional advisors who can assist you at any time in partnership with your faculty advisor. Additionally, faculty, ASC advisors, and Career Development staff are available to discuss graduate and professional school preparation as well as preparation for such scholarships and fellowships as Rhodes, Truman, Fulbright, etc.

1. This summer, whether on campus or by phone, you will confer with a faculty advisor to register for fall.

2. Your FTS professor or Three Crowns Curriculum professor will be your advisor for at least the fall semester and until you are ready to declare your major and arrange for an advisor from your major department. He/she will help you become familiar with the resources on campus, opportunities to help you excel, and will help you plan your registrations for subsequent terms. When you are ready to declare your major, you will arrange for an advisor from your major department.

3. When you are ready to declare your major, arrange for an advisor from that department. If you are interested in Athletic Training, Education, Health Fitness, or Nursing, you will apply for admission to those programs by your sophomore year. An advisor will be assigned to you at that time. The exception is Nursing. You can arrange for an advisor from Nursing before you know if you are in the program, as early as after your first semester.

First Term Seminar (FTS)

All Liberal Arts Perspective students must register for a First Term Seminar (FTS) fall semester. This course assures you of a small class where you will read, write, and discuss, where you will practice critical thinking and recognize and explore questions of values—skills that will help you in the rest of your courses.

It really doesn’t matter which seminars you consider. There are usually no prerequisites for these courses. You are eligible for any of them.

Definitions

1. A **major** is a planned set of courses to give you enough depth to be prepared for a career, graduate school, or professional school. Courses required for a major are listed in the catalog by department. One major is required for graduation. (You may declare your major anytime after your first semester. A traditional time to declare your major is spring semester of your sophomore year. See above for majors that should be started fall semester.)

2. A **pre-professional interest** (e.g., pre-med, pre-law) is not a major. You choose a major from one of our departments and also take recommended courses to prepare for the professional schools’ admission tests.

3. A **minor** is about half of a major so there isn’t the depth or expertise of a major. A minor is not required for graduation.

4. One **course** = four semester credit hours.

5. **Curriculum**: A liberal arts curriculum is a group of courses (1/3 of your total courses) intended to give you variety and breadth in ways of thinking as well as in subject matter. It is the foundation upon which to develop an expertise in one major (1/3 of your total courses). The flavoring comes from your choice of electives, anything you want to take (1/3 of your total courses). You will choose either Liberal Arts Perspective or Three Crowns Curriculum.

6. An **unofficial degree audit** shows you which major and general education requirements still need fulfilling and how many more course credits you need to reach the total of 34, to graduate. You have access to this online in WebAdvisor whenever you wish. You may “try-on” different majors with the "What If?" option.
Programs of Study

**ART STUDIO AND ART HISTORY (ART)**
gustavus.edu/art

Possible First-Year Program: Besides the listed courses, choose two or three courses from general education areas according to your choice of Liberal Arts Perspective or Three Crowns Curriculum, or choose electives.

**Fall**
ART101 Art History or ART110 Drawing or ART117 Studio Foundations

**Spring**
ART102 Art History or ART110 Drawing

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**BIOLOGY (BIO)**
gustavus.edu/biology

For Biology majors and Pre-Health Professions:

The Biology major is intended for students seeking to study life for careers in conservation, education, environmental science, health professions, and research. After completing a core sequence of classes, majors can select among diverse upper level classes to develop interests and skills (see the catalog for course information and planning).

Usually, students interested in the biology major will register for *both* BIO101 and CHE107 with the expectation that they meet the following criteria: 1) ACT science sub score of 25 or above or SAT composite (CR and Math) of 1150 or above (if submitted); 2) A and B grades in high school biology and chemistry courses; and 3) possess a passion and excitement for biology and chemistry that will sustain long hours of studying.

If these recommended criteria cannot be met, we encourage students to speak with their registration advisor about their background and register for either BIO101 or CHE107 during their first semester. Taking either BIO101 or CHE107 during the first semester will delay when a student can take certain upper level classes, however it may be a strategy that better supports a student’s academic success in the long run. If this option is chosen, with careful planning, students can still complete a biology major within four years.

**Fall**
BIO101 Principles of Biology
CHE107 Principles of Chemistry

**Spring**
BIO102 Organismal Biology
CHE141 Organic Chemistry I

If these recommended criteria cannot be met, we encourage students to speak with their registration advisor about their background and register for either BIO101 or CHE107 during their first semester. Taking either BIO101 or CHE 107 during the first semester will delay when a student can take certain upper level classes, however it may be a strategy that better supports a student’s academic success in the long run. Note: if a student elects to register for one of these two courses, they can still readily complete a BMB major within four years with careful planning.

**BIOCHEMISTRY AND MOLECULAR BIOLOGY (BMB)**
gustavus.edu/general_catalog/current/biochem

The Biochemistry and Molecular Biology (BMB) major is intended for students interested in areas that lie at the interface between chemistry and biology, such as bioinformatics, biophysics, biotechnology, genetics, neuroscience, and pharmacology. The BMB program is characterized by a strong curriculum with a breadth of core and upper level courses in chemistry, biology, and biochemistry, a capstone experience, writing intensive courses, and research-like, investigative experiences in lab. Thus, our approach pairs an emphasis on the fundamentals with significant engagement in the practice of the discipline. Gustavus BMB students are very successful at Gustavus and in their post-Gustavus careers. Our graduates become professional biomolecular scientists in academic or industrial settings, physicians, dentists, pharmacists, and physician’s assistants (to name a few).

First-year students interested in the BMB major will usually register for both BIO101 and CHE107 with the expectation that they meet the following criteria: 1) ACT science sub score of 25 or above or SAT composite (CR and Math) of 1150 or above (if submitted); 2) A and B grades in high school biology and chemistry courses; and 3) possess a passion and excitement for biology and chemistry that will sustain long hours of studying to achieve mastery.

**Fall**
BIO101 Principles of Biology
CHE107 Principles of Chemistry

**Spring**
BIO102 Organismal Biology
CHE141 Organic Chemistry I

If these recommended criteria cannot be met, we encourage students to speak with their registration advisor about their background and register for either BIO101 or CHE107 during their first semester. Taking either BIO101 or CHE 107 during the first semester will delay when a student can take certain upper level classes, however it may be a strategy that better supports a student’s academic success in the long run. Note: if a student elects to register for one of these two courses, they can still readily complete a BMB major within four years with careful planning.
The mission of the Chemistry department is to promote and support the development of students into lifelong voracious learners who are distinguished by a high degree of intellectual curiosity, a fundamentally sound knowledge of chemistry, an ability to use the scientific method effectively, an understanding of the place of chemistry within natural science, and comprehension of the relationship of natural science to the environment and the rest of human culture. Central to our educational approach is faculty-student research collaborations. Gustavus Chemistry students are very successful at Gustavus and in their post-Gustavus careers. Our graduates become professional chemists in academic or industrial settings, physicians, dentists, pharmacists, and educators (to name a few).

The Chemistry curriculum is designed to function as an integral part of the liberal arts program of the College. The courses taken bring the student from general principles through advanced theories and practical application. Science and non-science majors thus begin together and proceed to a course level that is appropriate for their chosen program. For more information about the department, please see: gustavus.edu/chemistry.

To see an example four-year plan for all of the majors offered by the department, please see: gustavus.edu/chemistry/fourYearPlans.php.

Possible First-Year Program: Besides the listed courses, choose one or two courses from general education areas according to your choice of Liberal Arts Perspective or Three Crowns Curriculum, or choose electives.

**Fall**
CHE107 General Chemistry  
MCS121 Calculus I

**Spring**
CHE141 Organic Chem I  
MCS122 Calculus II

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Classics is an interdisciplinary major that functions as the foundation of a liberal arts education. Courses include the Latin and Greek languages, ancient history, art and archeology, and literature, as well as subjects from other departments. It is important to start Latin or Greek as early as possible. Many study Latin or Greek because of their proven impact on English vocabulary and verbal skills.

**Fall**
LAT101 Elem. Latin or GRE101 Elem. Greek  
REL110 The Bible or CUR140 Biblical Tradition  
FTS100 First Term Seminar or CUR100 Historical Perspective  
Elective

**Spring**
LAT102 Elem. Latin or GRE102 Elem. Greek  
CLA101 Myth and Meaning  
Electives

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Our Communication Studies major prepares students for lives of leadership, citizenship, and collaboration. We emphasize the liberal arts skills of writing, research, critical thinking, oral communication, and innovative problem solving. Civic engagement—the practice of applying one's skills to meet the needs of the world at large—is woven throughout our curriculum and reflected in the department’s foundational course, Public Discourse.

Coursework includes study of communication in contexts as diverse as media, politics, law, organizations, and intercultural interactions. Public Discourse (COM120) and Interpersonal Communication (COM117) are required for potential Communication Studies majors. The department also offers two minors, Civic Leadership and Strategic Communication; Public Discourse (COM120) is required for both of these minors.
ECONOMICS AND MANAGEMENT (E/M)

The department offers four majors: Economics, Management, Public Accounting, and Accounting. Each major requires completion of the departmental core:
- E/M101 Principles of Macroeconomics
- E/M102 Principles of Microeconomics
- E/M110 Financial Accounting
- E/M125 or MCS142 Statistics
- MCS121 or (MCS118 and 119) Calculus

- Students are advised to take E/M101 and E/M102 in consecutive semesters (in either order), and to take MCS121 prior to E/M125 (Statistics).
- Students should not take MCS140 (Elementary Statistics).
- Students should complete the departmental core in their first three semesters.

All prospective E/M majors are encouraged to take the Calculus Placement Exam and to register for the appropriate level fall term, whether the MCS118/119 sequence or MCS121.

Possible First-Year Program: Besides the listed courses, it is recommended that you choose two or three courses from general education areas according to your choice of Liberal Arts Perspective or Three Crowns Curriculum, or choose electives.

Fall
- E/M101 or E/M102
- FTS100 First Term Seminar
- MCS121 Calculus (or MCS118)

Spring
- E/M101 or E/M102
- E/M110 or E/M125
- MCS119 (if MCS118 taken in fall)

EDUCATION (EDU)

All Teacher Education programs require some initial coursework. During fall semester of the first year, please contact our placement coordinator, Kim Meyer (kmeyer7@gustavus.edu) to create a detailed four-year plan of coursework.

During years one and two all Teacher Education majors are to take courses that apply to the area of an elected endorsement or general liberal arts education requirements in addition to those listed below. Liberal arts requirements are often met within the elementary teaching major courses required by the Minnesota Board of Teaching for licensure.

The courses listed below should be taken during the first year by all Teacher Education majors. Please see the catalog for more complete information.

- All Education majors in elementary and secondary should register for Psychology 100 during their freshman year.

Elementary Education majors should not register for FIT or ACT in HES.

All students considering Education as their major should plan to take EDU268 Career Orientation to Teaching (usually in their first January Interim Experience). This course involves shadowing a teacher throughout the month of January.

Fall - First Year:
- FTS100 First Term Seminar
- COM120 Public Discourse
- PSY100 General Psychology

MCS requirements:
- Elementary Education majors: Nature of Math (MCS115) or Elementary Statistics (MCS140).
- Secondary Education majors: MCS140; or those who have math requirements (like calculus) should take the math needed for their teaching major.

January Interim Experience:
- EDU268 Career Orientation to Teaching

Spring - First Year:
Your second semester courses will be planned during your meeting with Kim Meyer, the Education Department Placement Coordinator. Contact Kim in the Education Department to set up a meeting during the fall to generate your four year plan.

A. ELEMENTARY EDUCATION MAJOR:
The Department of Education offers an Elementary Education major that provides the applicant with a Kindergarten–Grade 6 (K–6) Licensure. Elementary education majors will receive a K–6 teaching license with an option to add a 5–8 middle school teaching endorsement in a specific area of curriculum.

To be qualified to teach at the middle level (Grades 5–8), a select group of courses is offered to complete a certified endorsement in the following areas: Communication Arts/Literature, Social Studies, Math and General Science. The middle level endorsement is an option for elementary education majors.

In addition to the completed endorsement coursework, a four-week January Interim (1 credit) student teaching experience accompanies the professional student teaching semester.

If students are interested in receiving an endorsement to teach grades 5–8, the following areas of coursework may also be taken during the first year.

Communication Arts/Literature Endorsement Courses:
- ENG101, ENG112, COM120

Social Studies Endorsement Courses:
- HIS130, HIS140, GEG101, GEG102, POL110, S/A111

Science Endorsement Courses:
- BIO100, CHE107

Mathematics Endorsement Courses:
- MCS115, MCS121, MCS140
B. Grades 5–12 Secondary Teaching:
To qualify for secondary licensure (Grades 5–12), students will major in a teaching discipline and then complete the education courses to teach at the secondary level. The majors in a teaching discipline offered at Gustavus are: Life Science Teaching (Biology), Chemistry Teaching, Communication Arts/Literature (CALT) Teaching, Mathematics Teaching, Physics Teaching, and Social Studies Teaching.

C. K–12 Program Teaching:
To qualify for licensure in grades Kindergarten through Grade 12 (K–12) students will major in a teaching discipline and then complete the necessary education courses to prepare them to teach at the kindergarten through grade 12 level. Students pursuing this program will major in one of the following areas: Health Education Teaching, Physical Education Teaching, Music Education Teaching (Instrumental or Vocal), Visual Arts Teaching, or World Languages Teaching (Spanish).

D. Coaching Minor:
Teacher education students may also qualify for a coaching minor by completing the course requirements as outlined by the Department of Health and Exercise Science. Please refer to the College catalog.

ENGLISH (ENG)
gustavus.edu/english
The department offers a major in English, as well as a major in English with a Writing Emphasis. The department also contributes to a Communication Arts and Literature Teaching major, in coordination with the Communication Studies and Education departments.

Students are advised to complete ENG102, ENG116 or 117, ENG121 or 122, and ENG201 within the first two years of coursework.

Possible First Year Program: Besides the listed courses, choose one or two courses from general education areas according to your choice of Liberal Arts Perspective or Three Crowns Curriculum, or choose English electives.

Fall
FTS100
ENG102
ENG116 or ENG117 OR
ENG121 or ENG122
Electives

Spring
ENG102
ENG116 or ENG 117 OR
ENG121 or ENG122
ENG201 (if ENG102 taken in the fall)
Electives

ENVIRONMENTAL STUDIES (ENV)
gustavus.edu/env-studies
A rich array of faculty expertise, courses, research experiences and study abroad opportunities support an interdisciplinary approach to environmental studies at Gustavus. Careful planning is essential from the beginning because of the sequential nature of many of the courses. Students should consult with an advisor from the department of their chosen track as soon as possible.

Five core courses form the foundational knowledge of important ideas, concepts, theories, facts, and principles related to the interdisciplinary study of the environment: ENV120; BIO245; ENV250; ENV104 or ENG228 or PHI209; and ENV399. In addition, students choose a seven course track in Physical Science, Life Science, Social Science, or Humanities. For these tracks and the other major requirements, go to Academics on the homepage and click on Environmental Studies and then Courses.

You can begin your program in a number of ways and it will depend on the track that you ultimately choose; the following is only one possibility.

Possible First-Year Program: Fall and Spring ES core courses are as follows, with the addition of a math course that is a part of several tracks.

For either the physical or life sciences track:
Fall
Bio and/or chem
ENV120
MCS121

Spring
Bio and/or Chem
ENG228 or PHI209

For the humanities or social sciences track:
Fall
ENV120
ENV250 or ENV104
MCS121

Spring
ENG228 or PHI209

Additional options consistent with an Environmental Studies major are: courses in your preferred seven course Environmental Studies track, and/or choosing one or two courses from general education areas according to your choice of Liberal Arts Perspective or Three Crowns Curriculum.
The interdisciplinary program in Gender, Women, and Sexuality Studies offers students the opportunity to think, write, speak, and create as they engage important questions related to sex, gender, and sexuality. Some of these questions include, “How have gender norms throughout history shaped the ways we live our lives today?”, “What do social institutions such as schools, media, and government teach us about the roles that gender and sexuality play in our communities?”, and “How do we respond when people are oppressed by certain values and beliefs regarding sex and gender?” Students who major or minor in GWSS pursue their own distinct interests as they examine these topics through a variety of overlapping lenses ranging from history to art, from politics to literature, from communication to philosophy. GWSS students and faculty are also engaged in making positive change in society, reflecting our deep commitment to teaching and learning in ways that support the Gustavus community’s core value of Justice.

GWSS courses appropriate for first-year students are:

GWS118 Controversies in Feminism
GWS224 Staying Alive while Living at the Margins
S/A231 Kinship and Marriage
S/A235 Social Inequality
ENG101 Reading in the World (Our Own Private Idahos)
ENG124 American Women Writers
HIS/GWS231 Women in America
HIS/GWS238 History of Sexuality in America
PHI102 Racism and Sexism

Possible First-Year Program: Besides the listed courses, choose one or two courses from general education areas according to your choice of Liberal Arts Perspective or Three Crowns Curriculum, or choose electives.

Fall 2016
GEG101 Intro to Human Geography or
GEG102 World Regional Geography or
GEG108 Weather, Climate, and Society (Elective)
FTS
Other Electives

Spring 2017
GEG101 Intro to Human Geography or
GEG102 World Regional Geography or
GEG105 Intro to Physical Geography or
GEG240 Fundamentals of GIS
GEG electives, including:
GEG230 The Anthropocene: How Humans Are Transforming the Earth or
GEG235 Sub-Saharan Africa or
GEG250 Nature and Society
Other Electives

GEOLOGY (GEO)
gustavus.edu/geology

Gustavus offers a major and a minor in Geology. The Geology program appeals to students who like the outdoors, enjoy science, and are interested in learning about our planet’s past, present, and future. Geology is particularly relevant in today’s world because it can answer questions about how the earth responds to change, both natural and human-induced.

What do geologists do?

- Geologists evaluate areas for geologic safety, assessing whether earthquakes, hurricanes, floods, volcanoes, or landslides pose a danger to human life and infrastructure.
- Conserving the environment requires that we understand the processes that shaped that environment long ago, as well as events that have occurred more recently.
- The search for natural resources is necessarily a geological search, and geologists play an important role in finding, using, and conserving those resources.
- Geologists map the landscape, informing our communities about the land beneath our feet.
- The story of Earth’s distant past is a geological one, and geologists examine the record of ancient life and rocks to describe the landscape during the last ice age, or longer ago, when the ocean covered this part of the world, making Minnesota a tropical paradise.

We prepare our students for a variety of careers in earth science. The Geology program emphasizes field, laboratory, and research experiences at all levels of the program. Geology students form a
close-knit community, working on class research projects, doing fieldwork, and enjoying the activities sponsored by the geology club.

Possible First Year Program: Besides the listed courses, choose courses from general education areas according to your choice of Liberal Arts Perspective or Three Crowns Curriculum, or choose from electives.

**Fall**
GEO111 Our Planet: Intro to Earth Science or GEO120 Geochemistry of the Environment
CHE107

**Spring**
GEO212 Evolution of the Earth
MCS121 Calculus I (could also be taken in Fall semester)

**HEALTH AND EXERCISE SCIENCE (HES)**
gustavus.edu/hes

**Health and Physical Education**
Health and Physical Education majors prepare for a career in teaching. This major is typically combined with a minor in coaching. Most students also apply to the Education Department and if admitted, pursue educational licensure in both Physical Education and Health Education. Graduates teach and coach at the elementary or secondary level, while many pursue graduate study in physical education, school or community health education, exercise physiology, adapted physical education, sport psychology, sport pedagogy, sports medicine, biomechanics or motor learning. If a student has questions about the major, he or she should email breimann@gustavus.edu and then contact Dr. Reimann early in September once on campus.

**Fall – First Year**
- You do not need a NASP, SOSCI, or HIPHI course since these requirements are satisfied by required courses within the major taken during the sophomore or junior years.
- Do not take FIT or ACT courses since the requirement is satisfied within the major. If you are participating in the athletic program, you should register for the .00 credit option for the sport.
- Enroll in general education requirements such as THEOL, NWEST, ARTS, etc.

**Athletic Training**
The Gustavus Adolphus College Athletic Training Education Program (ATEP) prepares students for fulfilling lives of leadership and service in athletic training. Grounded in over 35 years of educational experience and accreditation by the Commission on Accreditation of Athletic Training Education (CAATE), the ATEP at Gustavus is recognized for a combination of in-depth classroom experiences and application of theory through varied clinical experiences. Some students choose to double major in Health Fitness, Health Education, other field, or complete a pre-professional program such as physical therapy or occupational therapy.

Completion of the ATEP fulfills the requirements of the Board of Certification (BOC) for sitting for the national certification examination. Acceptance into the ATEP is competitive. If you have questions, please email the program director mjoos@gustavus.edu and then contact Ms. Joos early in September once on campus. Please visit the Athletic Training Program website ("Academics" on the homepage, click on "Health and Exercise Science," then "Athletic Training," then "four year plan").

**Fall – First Year**
You should complete four general education courses, or courses required for a secondary major or pre-professional program of interest to you. There are no appropriate courses within the major for first-year students.

**Health Fitness**
The Health Fitness major is a broad-based major designed to introduce students to a variety of future careers and graduate study within the health and exercise science field.

Students are prepared for management of health and fitness programs in corporate and clinical settings and for graduate study in exercise physiology, public health, and health promotion. In addition to required courses offered within the department, students complete courses in basic sciences. This major is often combined with a second academic major such as athletic training, business, health and physical education, psychological science or communication studies.

Each student majoring in Health Fitness must complete a 12 to 15 week full time internship that may be completed either during the semester or summer following the junior or senior year. Students choose settings that best reflect their needs and professional interests.

Students interested in the major must officially apply for admission to the program before Thanksgiving break during fall term, sophomore year. Notification of acceptance will occur no later than January 31.

Information regarding the application process is included within the College catalog. Students must complete at least 1.5 course credits from the following list of courses by the end of fall term, sophomore year:

- HES220 1.0
- HES222 .5
- HES234 1.0
- HES235 1.0
- HES305 .5

One of the following, BIO101 (fall) or BIO118 (spring) or CHE107(fall), are also appropriate courses for first year students plus other general education requirements.

If you have questions about a major in Health Fitness, you may email Dr. Stephanie Otto sotto@gustavus.edu or Dr. Bruce Van Duser bvand@gustavus.edu. Once on campus in September, the student should visit with Dr. Otto.
HISTORY (HIS)

All 100-level courses (including CUR100 for students in the Three Crowns Curriculum) and all 200-level courses (except HIS200) are appropriate points of entry for the History major and minor. All of these courses are appropriate for first-year students, including those with no prior college-level course work in history. The History major is a ten-course major. While AP and IB history courses can be applied toward the total number of courses, they cannot substitute for courses in required geographical or thematic areas.

Students considering majoring in History are encouraged to discuss this with a member of the History Department during the fall or spring semester. If possible, students should declare the major in spring in order to be eligible for HIS200 (a requirement for the major) in fall or spring of their sophomore year. Declaring in spring, while not essential, will provide more options in future semesters.

Possible First-Year Program:

Fall:
For students in the Liberal Arts Perspective, choose First Term Seminar and two or three Liberal Arts Perspective courses, plus one or two of the following:

- HIS104 Environmental History
- HIS105 World History
- HIS120 Modern Europe
- HIS130 America to the Civil Way
- HIS140 American History Since the Civil War
- HIS150 Modern Africa
- HIS160 Modern Latin America
- HIS175 Premodern East Asia
- HIS219 Scandinavia Since 1800
- HIS220 Medieval Christianity
- HIS225 Modern Germany
- HIS230 American Lives
- HIS231 Women in the U.S.
- HIS232 Black History Matters
- HIS243 Looking Backward: History of the Present
- HIS251 Africa Since 1945
- HIS244 Modern Brazil

For students in Three Crowns Curriculum, choose CUR100 Historical Perspective I. You may wish to choose one additional course from the list above.

Spring:
For students in Liberal Arts Perspective, choose one or two courses in the 100 or 200 categories.

For students in Three Crowns Curriculum, take CUR110, and consider one HIS course at the 200 level. Do not take an additional 100-level HIS course without consulting with a History Department advisor.

JAPANESE STUDIES (JPN)

You will see the interdisciplinary nature of this major as its courses come from JPN101, 102, 201, 202 Japanese language; ENG238: Japanese Literature; POL255: East Asian Politics and Development; REL235: Zen and Japanese Culture; REL355: Buddhist Philosophy; HIS170: Mod. East Asia; HIS175: His. of Pre-Mod. East Asia; HIS278: Intro to Mod. Japan; JPN170 Intro to East Asian Lit.; JPN270 Mod. Japanese Lit. and Culture; JPN271 East Asian Women Lit.; JPN272 Japanese Film; MLC265 Intercultural Film.

First Year Advising: You should begin immediately with the language. If you have no previous experience, take JPN101. For a Japanese language placement test, contact Prof. John Cha jcha@gustavus.edu.

LATIN AMERICAN, LATINA/O, AND CARIBBEAN STUDIES (LAS)

The Latin American, Latina/o, and Caribbean Studies (LALACS) Program offers an interdisciplinary major and minor that allows students to study the Americas across a wide spectrum of the humanities and social sciences. Choose from courses from many fields, including History, Art, Sociology and Anthropology, Literature, Religion, Theater, Spanish and French. You must take at least one language course (in Spanish or French) at the 200 level or above, so if you are starting at the elementary level, you should start now.

Possible First-Year Program: Besides the courses recommended below, we suggest that you choose one or two courses from general education areas (although many LALACS courses fulfill general education requirements).

Fall
- HIS160 Language course

Spring
- 200 level History courses from elective list or
- POL230 Latin American Politics or
- S/A 243 Globalization
MATHEMATICS, COMPUTER SCIENCE, AND STATISTICS (MCS)

The MCS department provides an education in the theoretical, practical and aesthetic aspects of mathematics, statistics and computer science. We currently offer majors in mathematics, computer science, and statistics.

The department recommends that students wishing to major in math or physics should take a calculus course (MCS121, MCS122, or MCS222) in their first semester. Students who need calculus for another major, such as any of the natural sciences, education, economics, management or accounting, should take it during their first year.

Typically, students with a year of high-school calculus take Calculus II (MCS122). If they have had a particularly strong high school calculus course, they may consider taking MCS221 (Linear Algebra), MCS222 (Calculus III), or MCS228 (Proofs and Mathematical Thinking); in this case, they should consult a math professor from the department.

Students who have had a year of pre-calculus in high school are usually well-prepared for Calculus I (MCS121). A student who feels under-prepared from their high school mathematics courses, but still needs to take calculus should take the year-long sequence in calculus with pre-calculus review (MCS118/119).

Students registering for calculus (MCS121 or MCS122) should take a calculus placement test. See instructions in Calculus Placement section of this manual.

Students interested in programming or considering majoring in either math or computer science should take Introduction to Computer Science I (MCS177).

Students who wish to major in statistics, or who have a strong interest in statistics, should take Introduction to Statistics (MCS142) if they have already had calculus; otherwise they should take calculus and then MCS142.

Students wishing to satisfy the MATHL requirement can do so by taking Nature of Mathematics (MCS115), Elementary Statistics (MCS140), any of the beginning calculus courses (MCS119, MCS121, and MCS122), Introduction to Statistics (MCS142), or Formal Logic (PHI236).

MODERN LANGUAGES, LITERATURES, AND CULTURES (MLC)

See language placement and equivalency information at the beginning of this manual. Remember that Liberal Arts Perspective requires the proficiency of two semesters of a non-English language and Three Crowns Curriculum three semesters, and that to be eligible for Phi Beta Kappa, four semesters.

Possible First-Year Program: Besides the listed courses, choose two or three courses from general education areas according to your choice of Liberal Arts Perspective or Three Crowns Curriculum, or choose electives.

Fall
Non-English Language 101, 201, or 251

Spring
Non-English Language 102, 202, or 252

In the case of Spanish, the following numbers apply to both Fall and Spring: 101, 102, 103, 200, or 250.

MUSIC (MUS)

I. If you are planning to be a Music major:
Register for an audition (voice, string, wind/percussion, handbell, recorder, piano/organ):
MUS090-001 Voice Audition
MUS090-002 String Audition
MUS090-003 Wind Audition
MUS090-004 Handbell Audition
MUS090-005 Recorder Audition
MUS090-006 Piano/Organ Audition
MUS090-007 Guitar Audition
MUS090-008 Percussion Audition
MUS090-009 Brass Audition
MUS090-010 Jazz Audition

*Students who register for a zero credit jazz audition should also register for a zero credit audition on their individual instrument or voice.

Register for lessons (200-level) on your instrument or voice (see course list in MUS section of Course Section Schedule.

Register for Music Theory (MUS103 & 111). There are four sections of each available.

Reserve .25 course load in your schedule for a large ensemble registration. You will complete your official registration immediately after auditions in the fall, when you know the ensemble(s) to which you have successfully auditioned.
2. If you are planning to be involved in music but NOT as a Music major:

Register for an audition (see audition course numbers above).

Consider registering for lessons on your instrument or voice. (See MUS section of Course Section Schedule.)

Reserve .25 course load in your schedule for a large ensemble registration. You will complete your official registration immediately after auditions in the fall, when you know the ensemble(s) to which you have successfully auditioned.

3. If you received a Jussi Björling Music Scholarship or Gustavus Music Award:

Register for an audition (see audition course numbers above).

Register for lessons (200-level) on your instrument or voice. This is required of recipients of Jussi Björling Scholarships or Gustavus Music Awards. (See the course listing in the MUS section of the Course Section Schedule.)

Follow the registration instructions for either I or II above, depending on whether you plan to be a Music major or non-major with music interest.

VERY IMPORTANT: If you are registering for a class that requires a lab, try to avoid schedule conflicts with ensemble rehearsal times. For example, several ensembles meet in the late afternoon or evening.

Gustavus Choir: Mon.-Fri. 4:30-5:40 p.m.

Choir of Christ Chapel: Mon.-Thurs. 4:30-5:30 p.m.

Lucia Singers: Mon., Tues., & Thurs. 3:30-4:20 p.m.

Gustavus Wind Orchestra: Mon. & Wed. 4:30-6:20, Thurs. 4:30-5:20 p.m.

Gustavus Jazz Lab Band: Tues. & Thurs. 3:30-4:20 p.m., & Wed. 8:00-9:50 p.m.

Adolphus Jazz Ensemble: Tues.-Thurs. 8:30-9:20 p.m.

Gustavus Wind Symphony: Tues. & Thurs. 5:30-6:45 p.m.

Gustavus Symphony Orchestra: Tues. & Thurs. 6:30-8:20 p.m.

String Sectionals: Wed. 7-7:50 p.m.

Gustavus Philharmonic Orchestra: Mon. & Wed. 5:45-7:00 p.m.

Possible First-Year Program: Besides the listed courses, choose two or three courses from general education areas according to your choice of Liberal Arts Perspective or Three Crowns Curriculum, or choose electives.

Fall

MUS111 (Theory 1) (.75) together with MUS103 (.25)

Music Lessons (.5)

Music Ensembles (.25)

Elective or Personal Fitness (.5)

Elective or Activity (HES) (.25)

Spring

MUS112 (Theory 2) (.75) together with MUS104 (.25)

Music Lessons (.5)

Music Ensembles (.25)

(PSY100 suggested if you plan to go into Education)

Those interested in a major are encouraged to identify an advisor in the Department of Music during the first year so that a four-year plan can be developed before registering for the second year of classes. If there is even the possibility you will major in Music, you should enroll in MUS103, MUS111, lessons, and an ensemble in the fall semester of your first year.

About Performance Studies

Music Lessons: (MUS245-267 ARTS) - (.50 credit)

Individualized instruction is available for the student who wishes serious study of an instrument or voice. This is a chance to work with a teacher who is a specialist on his/her instrument.

Specifics vary between the vocal, instrumental and keyboard areas, but in general, the goal is to develop all-around musicianship through work on technique, literature, and other performance aspects. In addition to the time spent with the teacher, requirements include six hours of practice per week, supplementary studio/seminar classes on a regular basis, and attendance at seven recitals/concerts each semester. Students of ensemble instruments and voice are expected to participate in an appropriate ensemble.

Pianists are generally expected to accompany at least one individual as part of their course of study. The Arts (ARTS) requirement for the Liberal Arts Perspective Curriculum can be satisfied with two semesters of .50 credit music lessons. Singers may also study voice by enrolling in Voice Class (MUS129). Voice Class combines individual and group training. It is a .25 ARTS course with no lesson fee and no audition required.

All first-year students can register for lessons with the rest of their fall courses, but they must audition during Fall Orientation to validate that registration. Students need to audition in each area in which they want to participate: piano and organ students audition to insure their enrollment in the correct level of study; instrumental and vocal students audition for both lessons and ensembles in one hearing. Students interested in classical guitar study should come to the Instrumental Audition Site to receive further information—a conference with the guitar instructor will be arranged. Students taking lessons are encouraged to enroll in an ensemble.

All first-year students, except those who have received a music scholarship, pay $500 for music lessons the first year. Students intending to major in Music declare that intent during the music theory course in the spring and play/sing an Audition for Music Major at the end of spring semester. In the following three years (as a Music major) there is no fee for lessons.
Music Ensembles: (MUS150-193 ARTS) - (.125/.25)
Most individuals find that the group performance experience is one of the greatest attractions of music-making. Performance opportunities at Gustavus exist for individuals with varying amounts of time to devote to their musical interest. It is possible to complete the entire ARTS requirement through ensemble participation. Ensembles are open to all students by audition - the audition will result in individual placements based on the student's interests and abilities. Ensemble audition results are announced after upperclassmen finish auditioning. By the second day of the semester the student will know in which groups he/she will be playing/singing. See section on auditions for more information. Students enrolled in an ensemble are encouraged to take lessons in order to insure the maximum growth for the individual musician. Several of the music ensembles tour during the year.

Auditions:
Auditions for all Gustavus music ensembles and lessons are held in the music building during Fall Orientation. There are separate auditions for Piano, Organ, Vocal, and Instrumental areas. Sign-up lists are to be found at the Music Department Information Table in the second floor lobby area of the music building. (At the same location, you can indicate interest in Jazz Ensemble, Handbells, and various other special areas.) In addition to determining whether the student has the necessary background for lessons, vocal and instrumental auditions determine where each individual would best fit into one or more of the Gustavus performing groups. Generally, if you have an interest in being involved in a music ensemble, there will be a place somewhere for you.

Vocal auditions consist of guided vocalizes, pitch memory patterns and sight-singing. Singers are not required to prepare a piece, but are encouraged to perform one if they have it ready. If not, they will be asked to sing a stanza of a hymn or patriotic tune they already know. An accompanist is provided. Bring a copy of your class schedule along to the audition.

Vocal Information:
Touring choral groups (.25) at Gustavus are the Gustavus Choir and the Choir of Christ Chapel. Other ensembles rehearse fewer days: Lucia Singers, Birgitta Singers, St. Ansgar’s Chorus, and Chamber Singers. Christmas in Christ Chapel, music theater, opera scenes, choir tours and concerts, daily and Sunday chapel services, and various special events on and off campus are just some of the choral/vocal experiences.

A typical registration for the student entering Gustavus as a non-music major but interested in continued growth as a vocal musician consists of the following:
1. voice lessons
2. one choral ensemble
3. perhaps one small ensemble

Instrumental auditions consist of scales for warm-up and demonstration of tone quality, sight-reading, and part of a prepared solo, if possible. Jazz ensemble rhythm section auditions are conducted in an ensemble setting. School instruments are available for use by students performing with the various ensembles. For further information about specific groups, students should talk to area faculty who will be at auditions.

Instrumental Information:
Gustavus offers a variety of courses for instrumentalists: concert bands, orchestras, jazz bands, and brass, percussion, string, and woodwind ensembles. Both large and small chamber music groups are options for the student interested in performing. In addition, there are handbell choirs. While a student-directed pep band is often assembled for athletic events, a marching band program is not part of the curricular offerings.

Students without their own instrument may be able to rent a school-owned instrument. There is an instrument maintenance fee of $100 per semester for school-owned instruments. Anyone wishing to use a school instrument for audition purposes can arrange to get an instrument by coming to the instrumental audition area during Fall Orientation.

A typical registration for a student entering Gustavus as a non-music major but interested in continued growth as an instrumental musician consists of the following:
1. lessons on major instrument
2. one large ensemble
3. perhaps one small ensemble

Keyboard auditions consist of prepared solo literature and sight reading as appropriate to assess the student’s preparation and determine the appropriate registration for lessons. See below for more information on piano auditions.

Piano Study:
MUS246 (.50) Piano lessons (ARTS credit) - intended for those with the background for college-level private piano study. A minimum of four to six years of private study including the high school years is expected. The audition for piano study (MUS246) should consist of two pieces. In addition, they will be asked to play some sight-reading.

Double Performing Areas:
Students with more than one performing interest are encouraged to audition in each area i.e., both flute and piano, both cello and voice. It is possible to keep active in more than one area, although the student will probably have to prioritize between major and minor involvements in deciding between ensemble placements.

Music faculty will be happy to help you sort through and understand your options.
Students are encouraged to express an interest in the Nursing major upon application for admission to Gustavus Adolphus College. Enrollment in the program is limited and admission is competitive. Students are always welcome to request advice from Nursing faculty at any time.

Students must apply for admission to the Nursing major during the fall of the sophomore year. Nursing courses begin in the fall of the junior year. See catalog for admission criteria.

It is highly recommended that students complete their foreign language requirement prior to entering the nursing program.

The sophomore spring semester is the recommended time for nursing majors to do a semester abroad. Students who are interested in this should seek special advisement from nursing faculty prior to registering for Spring Semester classes in their first year at Gustavus.

Possible First-Year Program:

**Fall**
- BIO101 Principles of Biology
- PSY100 General Psychology or
- HES212 Lifespan Development or
- NUR201 Pre-health Professions: Interdisciplinary Look at Health or S/A course from list below

**Spring**
- BIO218 Fundamentals of Microbiology or
- HES235 Human Anatomy and Physiology II
- PSY100 General Psychology or
- PSY234 Developmental Psychology or
- HES212 Lifespan Development
- S/A course from list below.

The following prerequisite courses are to be completed prior to entering the nursing program in the junior year.

- BIO101 Principles of Biology, fulfills NASP
- CHE107 General Chemistry, NASP
- BIO218 Fundamentals of Microbiology, NASP
- HES234 Human Anatomy and Physiology I, NASP
- HES235 Human Anatomy and Physiology II
- NUR201 Pre-health Professions: Interdisciplinary Look at Health Issues (This course has a community based learning component.)
- NUR202 Research and Ethics in the Health Sciences
- PSY100 General Psychology, SOCSCI

Choose one:
- PSY234 Developmental Psychology, or
- HES212 Lifespan Development

One from the following:
- S/A111 Cultural Anthropology
- S/A113 Social Problems Principles of Sociology
- S/A231 Kinship, Marriage, and Sexuality
- S/A242 Drugs and Society
- S/A262 Sociology of Medicine
- GWS224 Staying Alive

Certification as a nursing assistant is required prior to entering the nursing program in the junior year.

**PHILOSOPHY (PHI)**

All students new to philosophy are welcome to register for any class at the 100 level. The department offers several courses at the 100 level that are topical and appropriate for first year students. Students considering a major or minor in philosophy should consider registering for Ancient Philosophy in the fall of their first year.

Possible First Year Program for a potential major: Beside the listed courses, choose two or three courses from general education areas according to your choice of Liberal Arts Perspective or Three Crowns Curriculum, or choose electives.

**Fall**
- FTS
- PHI201 Ancient Philosophy
- Language Course
- Elective

**Spring**
- PHI202 Modern Philosophy
- Language Course
- Electives

**PHYSICS (PHY)**

It is important that students who intend to major in physics or are interested in pre-engineering take Physics 195/196 The Cosmic Universe, and MCS121 Calculus I (or MCS122 Calculus II), in the fall semester of their first year. Unless MCS122 has been completed by the end of the first year, it will make it difficult for the student to complete the full range of physics courses which are desirable for graduate- or professional-school preparation.

Please note that an AP test in Physics will not substitute for The Cosmic Universe as the topics covered are not the same.

See the [Academic Bulletin](#) for information about Pre-Engineering.
If Calculus I and II have been completed in the first year, it is possible to fulfill the minimum graduation requirements for a major in physics during three years at Gustavus. However, even with a doubling up of courses and some adjustments of prerequisites, it will generally not be possible in those three years for a student to take the full sequence of courses that is recommended for graduate school in physics or engineering. Scheduling problems are much more likely to occur in your junior and senior years if the student is behind in the physics sequence. In addition, the required PHY305 (Experimental Modern Physics) laboratory and senior theory courses presume a background gained in preceding courses.

Historically, one of the best predictors of a student’s ability to succeed in the physics/math sequence during their first semester at Gustavus is the math ACT score. If there are questions about the appropriateness of a proposed course of study, please contact a faculty member from the Physics Department during the summer registration sessions.

Are you a student with a solid math ACT and a desire to major in Physics or to pursue Pre-engineering? Embrace the curriculum and take the recommended courses.

All of those interested in Physics should be certain to indicate your interest before new student registration, so that you can be assigned to a Physics or Math professor for advising and registration.

Students who take Physics for pre-health professions prerequisites should usually take the other PHY sequence: namely, General Physics I and II without calculus, (PHY120/121 and PHY170/171) or General Physics I and II with calculus (PHY122/121 and PHY172/171).

Possible First-Year Program: Besides the courses listed below, choose one or two courses from general education areas according to your choice of Liberal Arts Perspective or Three Crowns Curriculum, or choose electives.

**Fall**
- PHY195 The Cosmic Universe  
- PHY196 The Cosmic Universe Lab (0.25 course)  
- MCS121 Calculus I (or MCS122 Calculus II or higher, if appropriate)

**Spring**
- PHY205 The Mechanical Universe  
- PHY206 The Mechanical Universe Lab (0.25 course)  
- MCS122 Calculus II (if not already completed)

The department offers the physics component of the pre-engineering and dual-degree programs leading to the BS in engineering from a university. Please refer to that section of the College catalog and to this manual for further information.

### Political Science (POL)

**gustavus.edu/poli-sci**

Students are encouraged to begin the major by taking at least one introductory course. These courses introduce three basic fields of study in political science:

- POL110 U.S. Government and Politics  
- POL130 International Relations or POL150 Comparative Politics  
- POL160 Political and Legal Thinking

These courses can be taken in any order; students who score a 4 or 5 on the AP Government and Politics or the AP Comparative Politics exam will receive credit for the Gustavus version of that course. After completing the introductory courses, students normally enroll in Analyzing Politics (POL200) in their sophomore year: this course develops skills in political analysis and critical thinking within all areas of political science. After completing introductory courses and POL200, students jump off into advanced course offerings, choosing their programs of study in consultation with a departmental advisor.

Possible First-Year Program: Besides the listed courses, choose two or three courses from general education areas according to your choice of Liberal Arts Perspective or Three Crowns Curriculum, or choose electives.

**Fall**
- POL110 or 130 or 150 or 160

**Spring**
- POL110 or 130 or 160

### Psychological Science (PSY)

**gustavus.edu/psychology**

Students normally begin the Psychological Science major by taking PSY100 General Psychology in either the fall or spring of their first year. Students who have taken AP Psychology and who wish to major in Psychological Science are advised to take the course at Gustavus rather than apply their AP credit. Courses in Biology, Statistics, Computer Science, Philosophy, Literature, History and indeed all of the liberal arts are recommended as complements to the Psychological Science curriculum.

**Fall**
- PSY100 General Psychology (fall or spring)

**Spring**
- PSY224 Statistics and Research Methods I or PSY230 Cognitive Psychology or PSY232 Social Psychology or PSY234 Child Development or PSY238 Brain and Behavior
If you are new to Gustavus and have never studied religion in high school, then you might be wondering what it means to study religion as an academic subject in college. What is the focus of religion courses? If you take a course in religion, then are you required to hold certain religious beliefs? If you end up majoring in religion, do you have any real job prospects?

At Gustavus, the academic study of religion invites everyone—whether part of a religious tradition or not—to explore life’s big questions and diverse world religions while gaining skills needed in many careers. Throughout the world religion is, and has been, a factor in the lives of billions of people. Today, more than 80 percent of people worldwide identify with a religious tradition, and religions play a significant role in social, political, economic, and ethical life. Religions continue to play a significant role in the social, political, economic, and ethical life. Thus the study of religion provides students with critical insights into the values and viewpoints of diverse peoples and cultures and gives students the opportunity to:

- develop a critical appreciation of religion as a basic aspect of human experience;
- understand the history and significance of diverse religious traditions; and
- explore one’s own values and spiritual and religious commitments.

Studying religion also opens up a number of career paths. A major or minor in religion provides a foundation for entering medicine, law, psychology, economics, Asian studies, and American studies, to name a few examples. It prepares students to engage in various forms of ministry or assume leadership roles in faith-based organizations. By fostering cross-cultural understanding and a critical appreciation of religious traditions, the study of religion helps us to work toward building a more just and peaceful world.

If you are interested in studying religion, either as a major or minor or simply as someone who wants to understand the religiously complex world in which we live, the religion department offers introductory courses that are a good place to begin. All of our introductory courses include the study of multiple traditions. Some of these courses emphasize the Christian tradition and fulfill the college’s THEOL requirement. Other courses emphasize the comparative element more. These fulfill the college’s GLOBL and HIPHI requirements.

The following introductory courses are offered for Fall 2016:

**THEOL**
- REL110 The Bible
- REL112 Studies in Religion
- REL123 Faith/Religion/Culture
- REL132 Religion & Ecology
- REL212 Christian Theologies

**GLOBL and HIPHI**
- REL115 World Religions

The department also offers more advanced courses that might be appropriate for people with strong backgrounds in history or religion. These courses fulfill other requirements in the Liberal Arts Perspective (LAP) curriculum.

**Course** | **LAP Requirement**
--- | ---
REL244 Modern Judaism | GLOBL and HIPHI
REL245 Religions of India | HIPHI
REL255 Islam | HIPHI

If you are interested in seminary or graduate studies related to the study of ancient texts, then you can fulfill your language requirement by taking Greek (introductory courses are offered in the Classics Department) or Hebrew (introductory courses offered by the religion department every other year). Another foreign language often required in graduate studies in religion is German (offered every semester in Foreign Languages).

For more information on the religion major and minor, visit our website gustavus.edu/religion/. The major requires nine courses and the minor five. Any of the introductory courses will count toward a major or a minor and provide a good foundation for further exploration.

**RUSSIAN & EASTERN EUROPEAN STUDIES** (RUS)

gustavus.edu/mlc/cees

This interdisciplinary major familiarizes students with language, literature, culture, civilization, history, and economics of Russia and other Eastern European nations. Students take classes in Russian language, literature, culture and history, and optionally, political science and other fields approved by the program director.

Students who have not previously studied Russian should begin their Russian language classes as soon as possible, preferably in the first semester of the first year. Students with previous Russian language experience should contact Professor Crnkovic for a placement assessment.

Study abroad experiences in Russia or Eastern Europe are strongly encouraged.
The Department of Scandinavian Studies provides opportunities for students to gain mastery of Swedish language and learn about the Nordic countries’ cultural contributions, their place in history, and their varied roles in today’s world, especially in the context of the European Union. Swedish is the only Nordic language taught on a regular basis.

In addition to offering Swedish language (SWE) courses at the elementary (100), intermediate (200), and advanced (300) levels, we offer Scandinavian area/cultural studies (SCA) courses on Nordic literature, Nordic history, and Nordic society and culture. These SCA courses are taught in English with an emphasis on interdisciplinary cultural studies of contemporary Scandinavia. These area/cultural studies courses are intended for both Scandinavian Studies majors and minors, and for the general student. Most SCA courses fulfill general curriculum requirements.

Possible First-Year Program: Besides the listed Swedish language (SWE) courses and Scandinavian area/cultural studies (SCA) courses, choose two or three courses from general education areas according to your choice of Liberal Arts Perspective or Three Crowns Curriculum, or choose S/A electives.

**Fall - choose one of the following:**

- SWE101 SCA224
- *SWE201 SCA234
- *SWE301 HIS218

**Spring - choose one of the following:**

- SWE102 SCA350
- SWE202 SCA344
- SWE344 HIS219

*Students who have studied Swedish or another Nordic language before coming to Gustavus are urged to consult with a member of the Scandinavian Studies Department before selection of language level is made. Students who have studied in Sweden for a year generally start with SWE201 (Intermediate Swedish). In exceptional cases, well-prepared students may even start with Advanced Swedish (SWE301).
For students with a foundation of dance technique:
T/D105 Beginning Modern Dance

For proficient Ballet dancers:
T/D234 Intermediate Ballet

For proficient Modern dancers:
T/D235 Intermediate Modern Dance

Further information about dance courses and technique proficiency:

Students interested in dance should plan to take a technique class during their first semester at Gustavus. T/D105, Beginning Modern Dance is the gateway course for the Dance major. It is geared toward the student with previous training in dance, such as ballet or jazz, who has not had the opportunity to study modern dance technique. Students with substantial ballet training should consider T/D234 Intermediate ballet, which is geared toward the student with more than three years previous training. T/D102: Fundamental Modern Dance, T/D105 Beginning Modern Dance, T/D 04 Beginning Ballet and T/D109 Beginning Jazz Dance are for the student with little or no previous dance training. Students with previous training may register for intermediate level dance classes with the permission of the instructor.

Performance Auditions
Auditions for final placement for dance technique classes and the Gustavus Dance Company happen during orientation the weekend before classes begin. The auditions are held immediately following the information session on theatre and dance during First-Year Orientation week. Plan to attend the Theatre/Dance meeting in Anderson, and then shift to the Kresge Dance Studio for the audition.

The fall semester theatre productions audition the first few weeks of class, so interested students should plan to have a prepared audition piece. First-year students absolutely have a shot at being cast in a faculty-directed show and are welcomed at the auditions. There are also a number of student-directed performances which hold auditions.

Backstage Opportunities
There are many venues where a student can get involved behind the scenes of our productions. The most prominent of these are the student staffed Scenery and Costume shops, which build our mainstage productions. Working in the shops can be a part of a student’s on campus work study if positions are available and requested by the incoming student. There are also opportunities to work backstage during the show as backstage crew, wardrobe crew, light and sound (and sometimes projections) board operators, and stage managers. Available backstage positions are advertised via our department email alias, though students should also feel free to contact the Theatre and Dance faculty about their interest to work backstage.

PRE-PROFESSIONAL INTERESTS

If you are considering a pre-professional area, a good place to begin your research is in the Office of Career Development or visit their website: gustavus.edu/career

Requirements for professional schools vary from school to school and can change year by year, students must carefully examine the pre-requisite requirements of the schools they are interested in to be current and accurate when registering for courses at Gustavus.

If you are in Three Crowns Curriculum, see your Three Crowns Curriculum advisor about fulfilling major and/or pre-professional prerequisites and general education requirements.

The following listing is incomplete. More pre-professional interests can be found in the Academic College Catalog here: gustavus.edu/general_catalog/current/preprof

The majority of pre-health careers require that you begin science courses your first year.

Pre-Dental
For additional information and Pre-Dental Four Year Plans, visit the website: gustavus.edu/career/health/Pre-Dental.php

First Year: Fall
BIO101 Principles of Biology (*offered Fall semester only)
CHE107 Principles of Chemistry (*offered Fall semester only)
FTS100 (Writing Intensive course, WRITI)
PSY100 General Psychology (or Spring)

*Usually, students interested in pre-dental will register for both BIO101 and CHE107 their first semester. The Biology (BIO) and Biochemistry and Molecular Biology (BMB) departments list criteria (see BIO or BMB section for criteria) to help determine student readiness to take both courses; if the criterion is not met we encourage you to speak with your registration advisor about your background and an alternative course schedule if needed.

First Year: Spring
BIO102 Organismal Biology (offered Spring semester only, pre-requisite BIO101)
CHE141 Organic Chemistry I (offered Spring semester only, pre-requisite CHE107)
MCS121 or 118/119 Calculus or MCS177 or MCS142 Statistics
Pre-Medicine
For additional information and Pre-Medicine Four Year Plans, visit the website: gustavus.edu/career/health/Pre-Medicine.php

First Year: Fall
BIO101 Principles of Biology (*offered Fall semester only)
CHE107 Principles of Chemistry (*offered Fall semester only)
FTS100 (Writing Intensive course, WRITI)
S/A112 Principles of Sociology or PSY100 General Psychology

*Usually, students interested in pre-dental will register for both BIO101 and CHE107 their first semester. The Biology (BIO) and Biochemistry and Molecular Biology (BMB) departments list criteria (see BIO or BMB section for criteria) to help determine student readiness to take both courses; if the criterion is not met we encourage you to speak with your registration advisor about your background and an alternative course schedule if needed.

Pre-Occupational Therapy
For additional information and Pre-Occupational Therapy Four Year Plans, visit the website: gustavus.edu/career/health/OTGustavusAdolphusCollege.php

First Year: Fall
FTS100 (Writing Intensive course, WRITI)
PSY100 General Psychology

Pre-Physical Therapy
For additional information and Pre-Physical Therapy Four Year Plans, visit the website: gustavus.edu/career/health/PT.php

First Year: Fall
BIO101 Principles of Biology (*offered Fall semester only)
FTS100 (Writing Intensive course, WRITI)
PSY100 General Psychology

First Year Spring
BIO102 Organismal Biology (offered Spring semester only, pre-requisite BIO101)
CHE141 Organic Chemistry I (offered Spring semester only, pre-requisite CHE107)
S/A111, 112, 113 or other S/A course
MCS121 or 118/119 (Pre-requisite for MCS142 Intro to Statistics)

First Year: Spring
BIO101 Principles of Biology (*offered Fall semester only)
CHE107 Principles of Chemistry (*offered Fall semester only)
FTS100 (Writing Intensive course, WRITI)

*Usually, students interested in pre-dental will register for both BIO101 and CHE107 their first semester. The Biology (BIO) and Biochemistry and Molecular Biology (BMB) departments list criteria (see BIO or BMB section for criteria) to help determine student readiness to take both courses; if the criterion is not met we encourage you to speak with your registration advisor about your background and an alternative course schedule if needed.

Pre-Veterinary
For additional information and Pre-Veterinary Four Year Plans, visit the website: gustavus.edu/career/health/VeterinaryMedicine.php

First Year: Fall
BIO101 Principles of Biology (*offered Fall semester only)
CHE107 Principles of Chemistry (*offered Fall semester only)
FTS100 (Writing Intensive course, WRITI)

First Year Spring
BIO102 Organismal Biology (offered Spring semester only, pre-requisite BIO101)
CHE141 Organic Chemistry I (offered Spring semester only, pre-requisite CHE107)
Arts & Humanities/Social Science Elective

Pre-Pharmacy
For additional information and Pre-Pharmacy Four Year Plans, visit the website: gustavus.edu/career/health/Pre-Pharmacy.php

First Year: Fall
BIO101 Principles of Biology (*offered Fall semester only)
CHE107 Principles of Chemistry (*offered Fall semester only)
FTS100 (Writing Intensive course, WRITI)

*Usually, students interested in pre-dental will register for both BIO101 and CHE107 their first semester. The Biology (BIO) and Biochemistry and Molecular Biology (BMB) departments list criteria (see BIO or BMB section for criteria) to help determine student readiness to take both courses; if the criterion is not met we encourage you to speak with your registration advisor about your background and an alternative course schedule if needed.

First Year: Spring
BIO102 Organismal Biology (offered Spring semester only, pre-requisite BIO101)
CHE141 Organic Chemistry I (offered Spring semester only, pre-requisite CHE107)