# 2019 First Year Advising & Registration Guide

This booklet should provide all of the necessary information and resources you need for registration this summer. Use this checklist and planner to help you.

**To Do:**

- Complete the first part of myFirstYear Dashboard
- Test out your Student Center Log-in and Password
- Take appropriate language placement tests (online) and check your results
- Review the First Year Advising and Registration Guide (this booklet)
- Review Departmental Advice (at end of this booklet)
- Review the First Year Announcement of Courses (on the Registrar’s Website)
- Select four courses and alternates using the Student Center
- Contact your Summer Advisor during Summer Advising Week (June 14-20)
- View the Registration Video Tutorial (www.gettysburg.edu/registrar)
- Set your alarm to remind you to register June 19 at 9:00am EST

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<tr>
<th>Class #</th>
<th>Dept/Cat.#/Section</th>
<th>Meeting Day/Time</th>
<th>Lab/Discussion Class #</th>
<th>Alt. Section Class #</th>
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<td>50732</td>
<td>AST 101A</td>
<td>T/Th 1:10-2:35pm</td>
<td>LAB A 1-4pm</td>
<td>LAB B T 1-4pm</td>
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Alternates:

Questions for my Summer Advisor:

**Important Dates**

- First Dashboard Deadline must be completed by June 12.
- Online enrollment OPENS at 9:00am on June 19 for First Year Students.
- Online enrollment CLOSES on July 15 at 11:59 PM for First Year Students.
- The Student Center re-opens for ALL students on August 5.
Summer Advising

All students will be assigned a Summer Advisor to assist you with Fall course selection based on the preference you indicate on Academic Planning page in the First Year Dashboard. Your advisor’s contact information will be sent to you via your Gettysburg College email address by end of day on June 14. **You** are responsible for reaching out to your Summer Advisor. Before you contact the Summer Advising Staff, be sure to read this booklet carefully! Many of the questions you might have are answered in the following pages.

We also utilize Facebook for informal Summer Advising. **Like** the Class of 2023 Facebook Page and pose your questions. Upper class students, faculty, and Deans of Academic Advising monitor these posts all summer.

**How We Assign First Year Advisors**

After you are registered for courses for the fall, you will be assigned a First Year Advisor. We assign individual advisors AFTER reviewing the information about you in the First Year Dashboard and looking at the courses you have chosen in order to match you with someone who will be a good fit and to maximize the amount of contact you will have in your first semester. You will have the opportunity during Orientation to meet one-on-one with your faculty advisor to finalize your course choices for the fall. All First Year Advisors are generalists, regardless of the subject area in which they teach. Your First Year Advisor can help you understand our curricular requirements, make important choices about your first year, troubleshoot problems and issues, and point you in the right direction when you are ready to declare a major.

<table>
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<tr>
<th>Summer Advisor</th>
<th>First Year Advisor</th>
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<tr>
<td>• Assigned in June based on summer advising preference question in dashboard</td>
<td>• Assigned in July based on your academic interests, preferences indicated on FY Dashboard, and your choice of courses for the fall</td>
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<td>• Helps you pick classes for the fall</td>
<td>• May be the instructor for one of your courses in the fall</td>
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<td>• Interacts with you via phone and email</td>
<td>• Will meet with you in person during Orientation</td>
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<td>• Only a small pool of faculty available during the summer to help first year students are summer advisors</td>
<td>• Supports you throughout the first year and sometimes sophomore year</td>
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<td>• Advisor’s information sent by email</td>
<td>• Can help with a variety of academic issues</td>
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<td>• Remains your advisor until you declare a major</td>
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<td></td>
<td>• All of our faculty across campus are responsible for advising students.</td>
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<td>• Advisor’s information available in Student Center</td>
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**Abraham Lincoln**

Advisor Assignments will be posted August 1<sup>st</sup> and can be viewed in the Student Center.
Planning your first year of courses

Dear Students,

Your first step toward making the most of Gettysburg's academic life is selecting courses for the fall semester. As you plan your first semester at Gettysburg, focus on laying out some preliminary goals and taking stock of your intellectual interests. Think about how you can build on your high school experience in areas where more advanced study is now a possibility as well as areas for exploration and skill building. It is important for you to be mindful of goals when selecting courses, but do not get stuck trying to make "perfect" choices. Select courses that engage your attention, excite your curiosity, and connect to what matters to you. Keep in mind that a large number of courses open to First-Year students meet Gettysburg Curriculum requirements, so just by choosing courses that suit your interests you will also begin to make good progress toward completing requirements.

1. Take the time NOW, before the online registration system opens, to read the materials we sent you -- which are also available online--and to plan your fall semester.

2. **The FY Announcement of Courses** on the Registrar’s Office Website contains lists of Fall courses offered for FY students, with class times and notations about requirements these courses meet. Some 200-level courses (e.g., Religious Studies and History) have no pre-requisites; other 200-level or 300-level courses are open to FY students who have met their pre-requisites through AP credit, credit from another college, or, for language courses, through placement tests.

3. Think through some options so that you have some backup courses ready in case some courses are closed or do not fit with other preferences you have because of time conflicts. Note that some courses have multiple sections, so if one section of that course is closed, you can check to see if there is another still open.

4. You should register for 4 full one-unit courses (and first year seminars count as one of these four courses). This is the normal course load. In general, we do NOT recommend putting your name on a Wait List for a course or a particular section of a course that is full. Once you register for 4 courses, you can track courses you prefer to see if a space opens and then exchange courses if you choose to do so. Putting yourself on a wait list will take up one of the four course slots you have.

5. Make good use of the Summer Advising Program to get your questions answered.

6. Note that some majors and special programs require or strongly encourage students to take specific courses in their first and second year; be sure to review the [Departmental Advice](#) to familiarize yourself with these instructions. **Departmental Advice** also provides recommendations from faculty about which courses to take if you are interested in the subject but not anticipating majoring in the field.

Sincerely,
The Deans of Academic Advising
A Note to Parents

Dear Parents,

We appreciate that you may be interested in taking a very active role in your student’s college education, and this can be a good thing! Registering for classes can be both exciting and frustrating. We encourage you to allow your students to:

- Make their own choices about courses,
- Do their own research about curriculum and major requirements, and
- Contact the advisors themselves when they need assistance.

Empowering your students to manage these tasks on their own now will help them become a bit more self-sufficient when they are here on their own in the fall.

When 700+ students register at the same time, there are bound to be problems. When these challenges arise, your job is not to swoop in to fix them; rather, we encourage you to help your students manage their frustration so that they can solve the problems themselves. You can support your students by discussing the following common registration problems in advance and making contingency plans:

- Oversleeping on the morning of Registration
- Forgetting to press ENROLL
- Not getting your first (or second, or third) choice of First Year Seminar
- Not getting a class at the time you want
- Getting put on a wait list for a course

Most of the questions that our office gets during the summer are things that can be answered in the following pages of this booklet. Before you or your student reach out to the Summer Advisors, please be sure to read this booklet very carefully.

The Office of Academic Advising, the Registrar’s Office, and the Office of First Year Programs are all well equipped to answer questions and help solve problems on the day of Registration. However, we prefer to speak directly to your students, so please encourage them to be self-sufficient.

Sincerely,
The Deans of Academic Advising
Using the Announcement of First Year Courses

In the First Year Announcement of Courses on the Registrar’s Office Website, you can see the enrollment capacity, the total enrollment, and the wait list total. If the enrollment total matches or exceeds the enrollment capacity, the course is CLOSED. It may even have a long wait list, as in the case below. If a course is closed, enroll in another OPEN course. DO NOT add yourself to a wait list that already has 5 or more students on it. There is no guarantee that you will be able to enter a course from a wait list.

We reserve spaces in many courses for first year students, but upper class students may already be on the wait list. So, even though a course may have a wait list, there are seats available for first year students, as in the case below. If a course becomes closed, try to enroll in another open course. DO NOT add yourself to a wait list that already has 5 or more students on it. There is no guarantee that you will be able to enter a course from a wait list.

Some courses have many seats available for first year students, as in the case below.
Using the Online Student Center

These instructions give you basic information about searching for classes. For instructions on how to register, view the Registration Video Tutorial on the Registrar’s Office website: www.gettysburg.edu/registrar.

You can search in the Student Center just for open courses by checking the Show Open Classes Only box. You can narrow your list to open courses within a particular subject by using the drop down menu to select a subject.

When you are looking at a particular course, you can see how many seats are available by clicking on the hyperlink for the course.

You can see all of the course details, such as meeting time, location, and instructor on this screen. You can also see the class capacity, how many students are enrolled, how many people are on the wait list, and what seats (if any) are reserved for particular groups. You can also see what curriculum requirements the course meets.
Second Language Study

How many language courses are required?
Gettysburg College requires that all students take two sequential courses of a foreign language in the same language. This requirement holds regardless of whether you begin a new language at Gettysburg or if you place into a higher level of language through our language placement exam. For example, if a student takes the placement exam and places into French 201, that student will take French 201 and French 202. If a student starts a new language, that student will take two semesters of that language, such as Italian 101 and 102.

What languages are offered at Gettysburg?
Gettysburg College currently offers its students the following foreign languages on campus: ancient Greek, Arabic, Chinese, French, German, Italian, Japanese, Latin, Spanish, and Portuguese. Many other languages are available to students through our study abroad programs and there are also a variety of non-credit bearing ways to study and/or engage in language learning at Gettysburg.

When do you recommend that students take a language at Gettysburg?
The faculty highly recommends that students begin foreign language study during their first semester. Most of our incoming first year students will have studied languages in high school and this continuation gives students a greater opportunity to develop a global perspective as they concurrently increase their linguistic competence and cultural understanding of a particular language. Whether you continue a language you have already studied, or begin a new language, the sooner you start your language study, the more access you will have to interesting related opportunities including study abroad and special housing options. For some languages, such as Italian Studies, if you do not enroll in a section of a beginning level your first semester, your chances to enroll as a sophomore are drastically reduced.

How do I decide to continue a language that I have already studied or start a new one?
Personal aptitude, interest, and study-abroad desires usually serve as good guides for students to decide whether or not to continue a language that they have studied in the past. Some students attain a high degree of facility in a language, usually indicated by good grades in high school language classes, and they wish to perfect their speaking, listening, reading and writing skills in that language at Gettysburg College. Many of these students will finally have the opportunity to study abroad in a country where the language that they have studied is spoken. Other students desire to study abroad in a certain country and have not had the opportunity to study the particular language or languages of that country. In some cases students have studied a particular language for years and have simply lost interest in continuing to study it. Many of these students are excited to start anew. Students should weigh their language learning options based on the above considerations, knowing that they are welcome to fulfill their language requirement by studying any language Gettysburg College offers, or another language through study abroad.

Are there any exemptions to language study?
Students who are native speakers of a language other than English may petition for exemption from this requirement. International and other students who learned in a language other than English during the final three years of secondary school may petition for exemption from the second language requirement. Please contact the Office of the Registrar for additional information.

Does the College accept AP credit for a language?
If you earned a 4 or 5 on an AP language test, the College will give credit toward one language course. Such students will then take one further course in that language to fulfill the language requirement. Students with AP credit will also need to take the language placement exam to determine where they should best be placed for their remaining language course. Some language departments will also conduct an assessment interview on campus in addition to the placement exam. Please contact the individual language departments for further information.

(Second Language info continued on next page)
Language Placement Exams
On the Dashboard, you will be able to provide information about your language skills and previous study so that we can assist you in making choices about your language study and provide you access to the appropriate placement tests.

In what form is the placement exam given?
- Online placement exams are available for Chinese, Japanese, French, German, Italian, Latin, and Spanish.
- For ancient Greek and Arabic, placement tests are offered during the on-campus orientation period in August.

How long will the online placement exam take?
Time limits vary depending on the language, typically ranging from 45 minutes to an hour and a half. When the designated time expires, the computer-generated exam process automatically stops. For placement exams taken on campus (Arabic, Chinese, or Japanese), students will have a period of an hour followed by a short oral interview. Students who have previously studied ancient Greek will have an assessment interview with a member of the Classics Department to determine placement.

NOTE: Students who will be seeking academic accommodation for learning disabilities should take the appropriate placement exams online and contact the Office of Academic Advising (717 337 6579). Individual adjustment regarding your placement will be made as appropriate.

When will I hear about language placement?
Results for Italian, French, and Spanish will be available on the Dashboard immediately after you complete the placement test. Latin, German, Japanese, and Chinese results will be available after the exams have been scored. Language placement results will be posted in the Student Center (see below) once they are entered. Students taking the online placement exams will also be notified via e-mail of their placement. For those students who take the placement exam on campus in August, results will be made available within twenty-four hours.
I know I want to start a new language at Gettysburg. What should I do?
You should take a required placement exam for any of the languages that the College offers that you studied for more than one year in high school, and then enroll in a first-level course for the new language that you desire to study. If you only studied Latin in high school, and you do not wish to continue to study it here, enroll in another first-year language course.

Below is list of contact information for the administrative assistants of each language; they will forward student questions to faculty members who will answer them:
- **Ancient Greek and Latin**: Clare Crone [ccrone@gettysburg.edu; 717.337.6565]
- **Chinese and Japanese**: Denise Wood [dwood@gettysburg.edu; 717.337.6343]
- **French, German, and Italian**: Robin Oliver [roliver@gettysburg.edu; 717.337.6850]
- **Spanish**: Becky Best [bbest@gettysburg.edu; 717.337.6860]

**First Year Writing**

Writing courses teach academic writing and are designed to increase a student’s critical capacities, sensitivity to language, and awareness that written communication is essential not just in college courses but after graduation as well.

- See the First Year Announcement of Courses for English courses (101, 111, 112, 113) that meet the first year writing requirement.
- Students who prefer a FY Seminar that does not happen to meet the first year writing requirement can meet that requirement by enrolling in a designated first year writing course in the spring.
- Students may qualify for exemption from the first year writing requirement by achieving a 4 or 5 on the English Literature or Composition AP or a score of 35.00 on the SAT Writing/Language Test.

**First-Year Seminars**

First-Year Seminars offer the benefits of an experience often reserved for college seniors to students beginning their college career: classes that have a small enrollment, focus on a particular topic, and emphasize the active participation of students. These courses, offered only to students in their first semester at Gettysburg, provide an opportunity to work closely with a faculty member and a small cohort of peers to explore a topic that they all find interesting. In addition, First-Year Seminars are designed to employ and develop a variety of learning skills, such as writing, speaking, critical thinking, quantitative reasoning, information literacy, and the use of technology or instrumentation.

Students will select First-Year Seminars on the Dashboard. You will rank your top three preferences and we will do our best to enroll you in one of these. You will be notified of your seminar placement on Friday, June 14 and placed into the course before you register for other courses on June 19. If you have concerns that your seminar placement conflicts with your other course selections, please contact your Summer Advisor or the Office of Academic Advising.

*(FYS info continued on next page)*
Notes on First-Year Seminars:
Please review the information about First-Year Seminars in the Dashboard.

- First-Year Seminars are NOT REQUIRED, but they are STRONGLY RECOMMENDED as they offer special opportunities that are not present in many other first-year courses, and they provide an excellent introduction to a liberal arts education. 96% of the Class of 2022 signed up for a FYS.
- Unlike your other courses, you will register for a seminar by submitting a ranked list of your preferences through the Dashboard.
- When choosing the seminars you wish to rank, you should look at the timeslots that might conflict with other courses you need to take. While you have a chance to change seminars after your original placement if you discover a conflict, many of the most popular seminars will be full by that time.
- You can find descriptions of the First-Year Seminars being offered this fall in the FYS booklet, and also in the FYS section of the Dashboard, where you will also be able to sort the seminars by theme.
- First-Year Seminars are courses that have the same expectations in terms of workload as your other courses, and they count as one of the four courses you take in the fall semester.
- Some seminars count towards majors and minors, but we believe you should choose a seminar because it sounds interesting to you, whether or not you think it relates to your intended career or major.
- All First-Year Seminars satisfy one or more of the Gettysburg Curriculum requirements. You can find this information in the course descriptions on the Dashboard or on the Registrar’s Office website.
- Some, but not all, seminars satisfy the First-Year Writing requirement. For this information, check the Dashboard or the First Year Announcement of Courses. Students who do not complete this requirement in the fall can enroll in an English Department writing course in the spring.
- Students are not forbidden from enrolling in both a FYS and an English writing course. However, you should avoid enrolling in a FYS that meets the First-Year Writing requirement and a first year writing course in the same semester, as the amount of writing required for both courses would be significant.

International Baccalaureate (IB) Credit
Gettysburg College recognizes the quality of the International Baccalaureate (IB) Diploma in the admissions process. In addition the College awards one course credit in each subject area for higher level examination scores of five or higher. For IB Transfer Credit Equivalencies, see the information on the Registrar’s webpage: https://www.gettysburg.edu/offices/registrar/ap-iba-level-exam-equivalencies.

Advanced Placement (AP) Credit
All entering students who submit a score of four or five on AP tests may receive one course credit for each test area toward the 32 course graduation requirement. Some AP courses have been deemed equivalent to courses we offer at Gettysburg. If you enroll in the equivalent course here, you will lose your AP credit; you can’t earn credit for the same course twice. You may not know your AP test scores when you register for classes. If you took AP English and expect to earn a 4 or 5, it is ok to register under the assumption that you have been exempted from the First-Year Writing Requirement. If you find out later that you did not earn a 4 or 5, you can either change your fall semester schedule to add a first year writing course OR wait until the spring to take that course. For all other AP credit, if you plan to take courses in that same subject, you should contact the Department for advice (see the end of this packet for contact information for each department).

Check the Registrar’s webpage for the most common AP courses that our students have taken. However, we accept many more AP credits than those included on this list. For questions about AP courses not listed here, please contact the Registrar’s Office.
Waitlists

Upper class students have already scheduled their courses for next year, so you may find that some courses already have wait lists. Many of those courses will have seats reserved for first year students. If you wind up on a wait list for a course you really want to take, first see if there is another section of the course open and consider adjusting your other courses if needed. If there is no open section of a waitlisted course you wish to enter, WE STRONGLY URGE that you find some other course that suits your interests and has open places and that you enroll in such a course instead of the waitlisted course (exceptions to this will be noted in the Departmental Advice). There will be fewer possibilities as the summer progresses, so it is best to enroll in four courses now. The waitlists allow us to track how many students need or want particular courses. During registration, pay close attention to Facebook, the Office of Student Activities website, and the Academic Advising website for up-to-date advice for waitlists.

Special information regarding Biology wait lists: Students planning on majoring in Biology, BMB, or Health Sciences should enroll in the appropriate introductory Biology class in the fall OR join the waitlist for that class.

Departmental Advice for 2019

Our department chairs have provided the following information for first year students interested in pursuing courses in these areas. Pay close attention to the advice provided, and visit each department’s website for additional information.

AFRICANA STUDIES
Why take an Africana Studies course or become a major or minor? Africana Studies at Gettysburg College offers the opportunity to learn how to analyze problems from a variety of disciplines such as economics, history, sociology, linguistics, music, political science, and literature. Africana Studies focuses on African American, Caribbean, Latin American, and continental African experiences, institutions, and perspectives. It is broadly defined as the study of peoples of Africa and the African diaspora, and the purpose of that study is to participate in the process of improving life opportunities for people of African descent and to achieve social justice in the world. Interested students and prospective majors and minors can begin their exploration with AFS 130, 131, 132, or any 200-level AFS course. For advising help, contact Prof. Hakim Williams (hwilliam@gettysburg.edu).

ANTHROPOLOGY
Those interested in learning more about Anthropology should take at least one of our introductory courses, Anth 103 or Anth 106, during the first year. These courses satisfy the Social Sciences requirement of the Multiple Inquiries goal. They are also Global Understanding courses. Both are required for the major. Taking at least one of these introductory courses makes it possible to enroll in any 200-level course in subsequent semesters since either Anth 103 or Anth 106 is a prerequisite for courses at that level. Some 200-level anthropology courses are cross-listed with Asian Studies, Classics, French, Latin American Studies, and Women, Gender, and Sexuality Studies. Other anthropology courses may be used as electives for Africana Studies, Cinema and Media Studies, Environmental Studies, or Globalization Studies. For advising help, contact Andrea Switzer (aswitzer@gettysburg.edu).
ART & ART HISTORY
Students expecting to major or minor in studio art should take ARTS 141 in their first year. ARTS 141 is also open to students with general interest in studio art. There are sections of ARTS 141 in both the fall and spring semester and some enrollment spaces have been reserved for first year students. This course is a pre-requisite for upper-level studio art courses.

Students expecting to major or minor in art history should take ARTH 125 Survey of Western Art, ARTH 131 Introduction to Asian Art, ARTH 126 Introduction to Modern and Contemporary Art or FYS 197-2: Represent, Represent: Black Art and Politics in their first year. There are sections of ARTH 125 and ARTH 131 in both the fall and spring semester, and enrollment spaces have been reserved for first year students. These course satisfy pre-requisites for upper-level art history courses.

For information, please contact Leslie Casteel (lcasteel@gettysburg.edu) or call 717-337-6121.

BIOLOGY
Should I take an introductory Biology course my first semester?
**YES** - If you are planning to be a Biology, Biochemistry and Molecular biology (BMB) or Health Science major, are interested in the Neuroscience minor, or if you are planning to attend Medical school or Veterinary School immediately after college.

Prospective majors should note that Introductory Biology and Chemistry courses are both year-long sequences. In their first year, prospective majors should take Biology 111 in the fall and Biology 112 in the spring.

Since Chemistry is required for the Biology and BMB majors, students who are sure of their intent to major in Biology or BMB should enroll in Chemistry 107 along with Biology 111 in the first semester. This permits a better integration of chemistry into upper level biology courses. It’s especially important for prospective BMB majors to enroll in both Chemistry and Biology. However, Biology majors may delay chemistry until their second year and still complete the Biology major. We encourage anyone who is unsure whether to enroll in just Biology, or both Biology and Chemistry, to contact us for advice. A mathematics course (calculus or statistics) is required for the Biology major and should be completed in the first or second year.

**OPTIONAL**—with special considerations
If you are planning on a Psychology or Environmental Studies major: These majors require 2 semesters of a natural science with labs, but you are not required to take Biology nor are you required to begin the natural science courses in your first semester. However, please note:

- Students interested in Environmental Science who plan to do the BS degree should take at least one course in either Biology (111), Chemistry (107), or Physics (103) their first semester.
- Non-Biology majors interested in Neuroscience should take Biology 111 their first semester. Some Psych majors who are not particularly interested in the biological side of psychology fulfill their natural science with lab component by taking courses like Biology 101 or 102. But for psychology majors with stronger interest in biological psychology, we recommend considering Biology 111 and 112 (which are required for the Neuroscience minor).
- If you’re planning to earn a Pennsylvania teaching certificate in Biology, you should plan to complete a full Biology major, complemented by coursework in Education. Contact the Education Department for more details.

**OPTIONAL**
For students interested in other majors: All Gettysburg students need to take two science classes to graduate (and at least one of these courses must have a laboratory component). You can fulfill this requirement of our curriculum by taking an introductory course in Astronomy, Biology, Chemistry, Environmental Studies, or

(Biology info continued on next page)
Physics. You are not required to take a science class in your first semester, but it is a good idea to complete this requirement by the end of your sophomore year.

**Which biology course is best for me?**

- **Bio 101 (Basic Biology - Fall course)** is geared towards non-science majors who do not intend to take Bio 112. It makes no assumption about your science background and is a stand-alone course. It has a weekly lab component.
- **Bio 102 (Biological Basis of Disease - Spring course)** is geared towards non-science majors. It makes no assumption about your science background; it has no prerequisite. It has an "every other week" lab component.
- **Bio 103 (Plants and Society - Fall course)** is geared towards non-science majors. It makes no assumption about your science background and is a stand-alone course. It has NO lab component.
- **Bio 111 (Introduction to Ecology and Evolution - Fall course)** is geared towards students with a strong science background and is required for Biology, BMB, Health Science, and Environmental Studies majors, as well as pre-med and pre-vet students. It has a weekly lab component.
- **Bio 112 (Form and Function - Spring course)** is required for Biology, BMB, Health Science majors, pre-med and pre-vet students, and has a pre-requisite of Bio 111.

For Advising Help: contact Prof. Matt Kittelberger (mkittelb@gettysburg.edu) or visit the Prospective Student tab at the Biology Department website.

**BIOCHEMISTRY/MOLECULAR BIOLOGY**

Students planning a major in the interdisciplinary Biochemistry and Molecular Biology program should take Biology 111 AND Chemistry 107 (any themed section) in the fall semester, followed by Biology 112 and Chemistry 108 (any themed section; it does NOT need to be the same theme as your Chemistry 107 section) in the spring semester. Since Mathematics 111-112 is required for the BMB major, students are strongly encouraged to complete Math 111-112 during the first year. While it is possible to complete the 18-course BMB major if one chooses to begin chemistry and/or math in the sophomore year, this may present difficulties in the junior and senior year, and may prevent a BMB major from being able to study abroad. For advising help, contact Prof. Steven James (sijames@gettysburg.edu), Chair of the BMB Program.

**CHEMISTRY**

The Chemistry major builds upon itself, and therefore certain courses need to be taken in a specific order. Students planning a major in Chemistry should take Chemistry 107 (any themed section) and Mathematics 111 or a higher-level mathematics course during the fall semester of their first year. During the spring semester students should register for Chemistry 108 (any themed section; it does NOT need to be the same theme as your Chemistry 107 section) and Math 112 or a higher-level mathematics course. Chemistry majors must ultimately take mathematics through Math 211 (Multivariable Calculus) and a year of calculus-based physics in preparation for Chemistry 305 and 306. Physics and math courses are often taken during the sophomore year along with Chemistry 203 and 204. If you have a question about the Chemistry major or minor, please see the Department website or contact the Chair, Prof. Tim Funk (tfunk@gettysburg.edu).

Students who are interested in taking a chemistry class to fulfill the Natural Science with a Lab Multiple Inquiries requirement should also take Chemistry 107. While all sections of Chemistry 107 cover the fundamentals of the discipline (such as exploring the atom, molecules, chemical bonds, the properties and theories of matter, and chemical reactions), each section approaches the topics through a different theme such as art, consumer products, medicine, or the environment. None of these Chemistry 107 sections assume an extensive background in chemistry. Any section of Chemistry 107 serves as a pre-requisite for any section of Chemistry 108.
CINEMA & MEDIA STUDIES

Cinema, television and other media, arguably the most ubiquitous and globalized cultural forms in our world today, are often not well understood and frequently understudied. Gettysburg College offers a program in Cinema and Media Studies that will provide a broad liberal arts perspective on a powerful part of students’ lives today. This program offers both a major and minor in Cinema and Media Studies that include approaches from both Cinema Studies and paradigms for studying popular culture commonly known as Cultural Studies. Students will understand these media as not merely artistic forms, but also as cultural, economic and socio-political entities. Students interested in a major or a minor are advised to take CIMS 101 (offered every semester) as early as possible. Students can take CIMS 220 (Video Production) early on as well, also offered every semester. Students may contact Prof. James Udden, Chair of CIMS at (judden@gettysburg.edu), or administrative assistant, Denise Wood, at (dwood@gettysburg.edu).

CIVIL WAR ERA STUDIES

There is no better place to learn about the American Civil War than Gettysburg College. CWES 205 is an excellent course for you to begin your exploration of the Civil War Era. Whether you are considering a minor in Civil War Era Studies, or you are just curious to find out more about the greatest conflict in American History, while spending four years at a site that played an important role in the war and its aftermath, CWES 205 (Introduction to the American Civil War Era) offers an interdisciplinary introduction to the social, cultural, political and military aspects of the Civil War Era. Additionally, CWES 205 may count towards the History major. Prospective minors in Civil War Era Studies should plan to take this course as soon as their schedule allows. Also on offer for incoming students are three First-Year Seminars on Civil War-related subjects, FYS 121-3 Soldiers’ Tales, FYS 183 – Investigate the Battlefield, FYS 183-4 – Blood on the Moon For advising during the summer, please contact Diane Brennan (dbrennan@gettysburg.edu).

CLASSICS

All 100-level Classics courses are appropriate for any student interested in exploring this discipline, and they also contribute to the major or minor in Classics. In addition, 200-level Classics courses have no pre-requisites and are also open to any student. Some CLA courses are cross-listed with Anthropology, History, or Women, Gender, and Sexuality Studies and also count toward those major fields. Classics courses meet the Humanities Requirement, and some also meet the Conceptualizing Diversity or Global Understanding requirements. Courses offered in the Fall 2019: CLA 103: Gods & Heroes, Death & Desire: Great Books of Ancient Greece and Rome; ANTH 106: Introduction to Archaeology and Physical Anthropology also counts for the CLA major or minor. CLA 252/HIST 252: Roman History; CLA 253/HIST 253: Being Jewish in the Greco-Roman world; offered in the Spring 2020: CLA 102/HIST 102: Alexander the Great to Cleopatra; CLA 240/NGS 240: Gender & Sexuality in Ancient Greece; CLA 280/HIST 280: Constructions of Race & Ethnicity in the Classical World. CLA 345/ANTH 345 Inequality in the Ancient World will also be offered in the Spring.

CLA Students with a substantial interest in Classics who have studied ancient Greek or Latin in high school should continue their language study (see courses and placement information under Greek and Latin headings); students who have not yet studied one of these languages are advised to begin their study (Latin 101 and Greek 101, spring semester only) in the SPRING of their First Year or no later than Spring of Sophomore year, in order to integrate a study abroad program into their coursework in Classics. For advising help, contact the Chair, Dr. GailAnn Rickert (grickert@gettysburg.edu). (See separate entries for information on GREEK and LATIN.)

COMPUTER SCIENCE

First-year prospective majors in Computer Science should schedule CS 111-112, and Math 111 during the first year. Each course of our introductory sequence, CS 111, 112, and 216, is offered each semester, so it is possible to begin the CS major at any point through sophomore year, although a later start will limit course choices and increase scheduling constraints.
Students with Advanced Placement Computer Science A exam scores of 4 or 5 will receive credit for CS 111 and place into CS 112. Students without such AP scores may still place out of CS 111 with permission of a CS faculty member after an informal consultation. Please note that CS 103 does not count towards CS major requirements.

CS 107, "Introduction to Scientific Computation", in an alternative to CS 111 for prospective majors in Mathematics or the Natural Sciences. Such students are strongly encouraged to take CS 107 or CS 111 rather than CS 103.

CS 103 is a lab-based, survey course of Computer Science for non-majors including a historical survey of technology and the use of computers, computer applications, software systems design, programming with scripts, computer hardware and digital logic design, and implications of computing. Students with AP Computer Science Principles exam scores of 4 or 5 will receive credit for CS103.

To learn more about the Computer Science major, please consult any CS faculty member (717-337-6630), the CS chair, Prof. Clif Presser (cpresser@gettysburg.edu) 717-337-6639, or read our Department website.

EAST ASIAN STUDIES—JAPANESE AND CHINESE TRACKS
Students who major or minor in East Asian Studies must specialize in either Japan or China, and they should consider taking either AS 150 Japanese Culture and Society or AS 151 Chinese Culture and Society in their first or second year.

All students who have previously studied Japanese or Chinese and wish to continue the language MUST take our online placement exam to determine the proper level to register for. For borderline test scores, a follow-up email notice will be sent for the final decision and, if needed, an interview will be held during Orientation Week.

Those who have never taken Japanese or Chinese before and would like to start at Gettysburg College must register for Japanese 101 or Chinese 101, which meet five days a week.

We expect that all majors will study abroad in either Japan or China during their college career; because HIST 224 Modern Japan and HIST 223 Modern China are not necessarily offered every year, students are strongly encouraged to enroll in HIST 224 or HIST 223 (based on their area of specialization) at their earliest convenience.

East Asia related courses are also available in other departments including History, Political Science, Religious Studies, and Art History. For further information, please consult our Department webpage or contact Prof. Jing Li (jli@gettysburg.edu) or Prof. Eleanor Hogan (ehogan@gettysburg.edu).

ECONOMICS
Students who major in economics have two degree options: they may choose the Economics major for the Bachelor of Arts degree or the Mathematical Economics major for the Bachelor of Science degree. We strongly encourage students who wish to pursue graduate study in Economics to choose the Bachelor of Science degree option.

Prospective majors in Economics should take Economics 103 and Economics 104 in the first year, in either order. Students looking primarily to understand nation-level issues of growth, employment, and prices should take Economics 104 (macroeconomics); students looking primarily to understand individual-level decision-making, economic incentives and the role of the marketplace in society should take Economics 103 (microeconomics). These courses meet the social sciences multiple inquiries requirement, and are prerequisites for 200 level courses in regional economic issues (e.g. Asia, Latin America, Africa) that meet some of the diversity curriculum goals.

(Economics info continued on next page)
Students with AP or transfer credit in Introductory Microeconomics receive credit for Economics 103 and so should first choose Economics 104, and similarly students with AP or transfer credit in Introductory Macroeconomics should first choose Economics 103. Students are also encouraged to take Econ 241 (Statistics) as early as possible. In addition, majors are required to demonstrate achievement in Mathematics by taking Math 111 or Math 105-106. It is important to satisfy this Math requirement early since it is a prerequisite for admission to some sophomore courses in the department. The Economics Department strongly recommends Math 111. Those prospective majors who need more preparation in mathematics may take instead Mathematics 105 followed by Math 106 in the spring semester. For advising help, contact Prof. John Cadigan (jcadigan@gettysburg.edu) or Sue Holz (sholz@gettysburg.edu).

EDUCATION
The Education Department offers two programs to students interested in the study of Education: the Educational Studies minor (which does not include teacher certification) and the Teacher Education program, which allows candidates to earn Pennsylvania teacher certification in selected fields. Students in either program should consider beginning their coursework in Education 199 (Foundations of Education) or Education 201 (Educational Psychology), though these courses need not be taken in the first semester or even the first year. Students seeking certification should also consider completing additional course requirements that must be met regardless of certification area and must also be completed before applying for program admission. Many of these courses can also be used to satisfy Gettysburg Curriculum requirements. They include:

- One course in college-level writing, or a score of 600+ on the verbal section of the SAT.
- One course in British or American literature, or a score of 4 on an AP English exam.
- Two courses in college-level mathematics; a score of 4 on an AP math exam or 560 on SAT II may be substituted for one or both of these courses. Also, courses satisfying the QIDR requirement of the Gettysburg Curriculum count as math courses for certification purposes, we strongly recommend that you take EDUC 236. Economics 104 can also be counted as a math course for certification although it does not meet the QIDR requirement.
- Passing score (220 on Reading, Writing, and 193 on Math) on the Basic Skills Test (PAPA) or SAT scores of 26 on Math, 27 on Reading, and 28 on Writing tests or ACT scores of 22 on Critical Reading, 21 on Writing, and 21 on Math.

The Minor in Educational Studies: The Educational Studies minor allows students to explore education without earning teacher licensure at Gettysburg College. Students interested in earning certification in areas not offered at Gettysburg (in elementary grades, for example) are encouraged to pursue licensure as part of a Master's degree program or through alternative routes to certification. The minor program provides students opportunities to explore the field of education through various disciplinary lenses (including history, philosophy, psychology and sociology). The program prepares students for the Master’s level coursework in education or related field (elementary and early childhood education, international education, public policy, social work, and counseling). It is common for graduates of our program to gain teaching positions through programs such as Teach For America (TFA) or teach in private schools in the U.S. and abroad. The minor can only be declared after a major has been declared. Students who may be interested in eventually declaring a minor should simply begin their studies with one of the two intro courses (Education 199 or Education 201).

 Teacher Education program: Students interested in teacher certification and Pennsylvania licensure should begin their programs of study by addressing the common certification requirements described above. Those requirements, plus Education 199 and Education 201, must be completed before admission to the Teacher Education program can be granted; typically, admission is granted before or after the spring semester of the sophomore year. Other certificate-specific requirements may also be necessary; contact the Education Department once you arrive on campus for more information.

(Education info continued on next page)
Students interested in either the Educational Studies minor or the Teacher Education program should visit the Education Department’s webpage or the College catalog for more information.

For more information, contact Prof. Divonna Stebick (dstebick@gettysburg.edu), or Mrs. Kathy Ambrose (kambrose@gettysburg.edu) at 717.337.6550 in June or July.

ENGLISH

Any first year student as well as prospective majors in English may elect one of the First Year Seminars (FYS) that focuses on literature (FYS 142-3, FYS 159-4, FYS 166-1, FYS 178-2, FYS 183-4, FYS 191-4) or ENG 111, ENG 112 or ENG 113. All of these courses will fulfill the College’s first-year writing requirement as well as count as an elective toward an English major or minor. If a prospective English major has been exempted from the first-year writing requirement, he or she might want to begin with a foundational-level literature course (ENG 210-270).

200-level English literature courses (ENG 210-270) are open to any student who would like to study English or American literature; there are no pre-requisites for these courses. All 200- and 300-level literature courses fulfill the Multiple Inquiries Humanities requirement.

In the fall, good choices for incoming first-year students who would like to take a literature course would be:

ENG 210-A Global & Radical Shakespeare’s, TR 10-11:15. Meets English pre-1800 requirement for the major.
ENG 216-A The Thief with a Heart of Gold: The Fact & Fiction of Robin Hood, MWF 2:10-3:00. Meets English pre-1800 requirement for the major.
ENG 221-A Survey of English Literature: 17th and 18th Centuries, TR 2:35-3:50. Meets English pre-1800 requirement for the major.
ENG 232-A Romanticism to Modernism, MWF 1:10-2:00.
ENG 242-A The Golden Age of Children’s Literature, MWF 11-12:15.

Prospective English majors and minors who wish to focus on creative writing should complete their writing requirement in the Fall semester of their first year and attempt to enroll in ENG 205 Introduction to Creative Writing the Spring semester. If classes are full, students should be sure to enroll in ENG 205 the Fall semester of their sophomore year. ENG 205 is a gateway course to all advanced-level writing classes. First year students who have been exempted from the writing component might consider enrolling in ENG 200 Writing Across Media or ENG 201 Writing the Public Essay for the Fall or ENG 201 Writing the Public Essay for the Spring semester. For advising help, contact Jody Rosensteel (jrosenst@gettysburg.edu).

ENVIRONMENTAL STUDIES

Prospective majors and minors should take ES 196 as soon as possible, preferably in the first year. Note that ES 121 and most other 100-level ES courses are designed for non-majors and typically do not count toward the ES major. Students interested in the Bachelors of Science degree should take two semesters of a basic natural science in their first year (Bio 111-112 or 113-114, or Chem 107-108, or Phys 103-104, 109-110, or 111-112). Sophomores should take as many core courses as possible (ES 211, 223, 225, and 230). For more information, read the full major/minor requirements on the Department webpage. For advising help, please contact Prof. Salma Monani (smonani@gettysburg.edu).
FRENCH
All students who have previously studied French and wish to continue the language MUST take a placement test and register at the level where they placed. Students who are unable to sign up for a course but really would like to take it should place themselves on the wait list. We should know by August if we are able to accommodate students in that situation. Placement in French 300 is only reflective of a good level in French language and does not suggest knowledge of theoretical concepts. These will be taught in subsequent French classes (305, 310 etc.). It is thus not unusual for First-Year students to be placed in FR300 and do very well. Prospective French majors should have completed French 300 by their Sophomore year to ensure smooth planning for study abroad. Those who have never taken French before and would like to start at Gettysburg College must register in French 101 which meets five days a week. Any questions should be directed to Ms. Robin Oliver (roliver@gettysburg.edu).

GERMAN STUDIES
The German Studies Major consists of a minimum of eleven courses beyond the elementary language level. Majors are usually required to spend at least one semester studying in an approved program in a German-speaking country. Prospective majors may enter with any level language ability, including students who have never previously studied German. A department placement test is required of all students who have previously taken German courses. German 101 is appropriate for the true beginner and meets five days per week. All students pursuing a major in German must complete or test out of the elementary language level. Depending on placement, prospective majors with prior language experience should begin with German 301 or 201 in the fall. Students interested in German might also consider enrolling in a First-Year Seminar taught by German Studies faculty (in Fall 2019: FYS 134-1 Puppies: An Investigation of Dogs in Literature and Film) or GER 250, Fairy Tales from Grimm to Disney (Fall 2019). If you have questions, please contact the Department Chair, Prof. Henning Wrage (hwrage@gettysburg.edu). For more information on our German Studies Minor and Major, please consult the Department Webpage.

GLOBALIZATION STUDIES
Prospective majors must take all four foundation courses: GS 225, Anthropology 103, Economics 101 or Economics 104, and either POL 103 or POL 104. These may be taken in any order and ideally should be completed by the end of the second year. Students should be aware of the fact that because they design their regional and thematic tracks for this major, they must complete an application for the major in direct consultation with a member of the Globalization Studies Academic Committee. The application is available on the Globalization Studies webpage. For advising help, contact the Chair of Globalization Studies Prof. Alvaro Kaempfer (akaempfe@gettysburg.edu), or Lin Myers (lkmyers@gettysburg.edu).

GREEK
Beginning Ancient and New Testament Greek 101-102 are appropriate for students who have never studied ancient Greek. NOTE: Greek 101 is taught in the SPRING and Greek 102 in the FALL. We recommend that students interested in studying Ancient Greek select a Classics courses in the Fall, and enroll in Greek 101 in the Spring. Students who have studied ancient Greek previously should consult with the Chair about appropriate placement. To integrate a study abroad program into their course work, students are advised to complete at least Greek 101-102 by the end of their second year. For advising help or to discuss placement contact the Chair, Dr. GailAnn Rickert (grickert@gettysburg.edu).

HEALTH SCIENCES
Prospective BA & BS majors in Health Sciences should take Bio 111 in the fall and Bio 112 in the spring. BS majors should also consider taking Chem 107 in the fall and Chem 108 in the spring. Students should take other courses needed to satisfy the requirements of the Gettysburg Curriculum. Students can contact the Chair of the Heath Sciences Department, Prof. Eric Noreen (enoreen@gettysburg.edu) with questions and concerns about scheduling. For more information, see the Department's webpage.
HISTORY
All 100 and 200-level courses have no pre-requisites and fulfill the Humanities requirement for the Multiple Inquiries-Humanities Goal. Many of these courses also fulfill the Global Understanding, Conceptualizing Diversity, or STS requirements. History majors may count one AP History credit as a 100-level elective toward the major, but regardless of any AP credits received, all History majors must have one of the History Department’s 100-level courses. Students who are claiming an AP credit for U.S. History should not take History 231: U.S. to 1877 or History 232: U.S. since 1865. Prospective majors should take one 100-level and one 200-level course during their first year. FY students can take 300-level courses only with permission of the instructor. For advising help, contact Prof. Scott Hancock, Chair, (shancock@gettysburg.edu).

INTERDISCIPLINARY STUDIES
Courses listed in the College Catalogue under the category of Interdisciplinary Studies involve subject matter and methods of study from more than one discipline or department. All courses with an IDS indicator, except courses numbered IDS 450-499, address the Integrative Thinking Goal through the Interdisciplinary courses option. 200-level courses without prerequisites are appropriate for First Year students. Students may create their own major through the individualized major program, which is administered by the Committee on Interdisciplinary Studies; students who wish to pursue an individualized major should plan to be in touch with a member of the IDS committee sometime in the first or second year. For advising help contact our administrative assistant, Triada Chavis (tchavis@gettysburg.edu), or Prof. Dave Powell, Chair of Interdisciplinary Studies (dpowell@gettysburg.edu). Students are also encouraged to consult the Department’s website for more information about Gettysburg’s interdisciplinary programs.

INTERNATIONAL AFFAIRS
International Affairs (IA) is offered only as a dual major; therefore, it must be combined with another major. Students must apply and be accepted into the program. Applications are available on the IA website. Students must also have chosen their other major at the time of their application. Students must have at least a 3.0 GPA in their other major and the general curriculum to be considered for the program and to remain in it. Most students apply in the second semester of the first year or at the end of their first semester of their sophomore year. In the first and second year, students should take Economics 103 & 104, Political Science 103, and History 103 or 110. For advising help, contact Valerie Andrews, Administrative Assistant (vandrews@gettysburg.edu), Prof. Rimvydas Baltaduonis, Chair IA (rbaltadu@gettysburg.edu), or consult the program webpage.

ITALIAN STUDIES
The Italian Studies Major consists of twelve courses which includes Italian 201 and 202; five courses at the 300/400 level taught in Italian and five courses at the 200 level taught in English. Students who pursue the Italian Studies Major must spend a semester of study in Italy*. The Italian Studies Minor consists of six courses which includes Italian 201 and 202; two courses at the 300/400 level taught in Italian, and two courses at the 200 level taught in English. While study abroad is not required for students interested in an Italian Studies Minor, we highly encourage students to study in Italy for a semester. Please plan on enrolling in an Italian language course your first semester to begin to complete the language requirement and possibly study more language courses for the minor or major. Chances to study in a beginning level Italian course diminish significantly after the first year with priority given to incoming first year students to enroll with each subsequent class**.

If you wish to study Italian, but are unable to register for a section matching your language placement results, you can contact the Department Chair, Prof. Lidia Anchisi (hanchisi@gettysburg.edu). For more information on our Italian Studies Minor and Major, please consult the information on the Department webpage.
we are currently making changes to the major. Upon approval, the new Italian Studies Major will consist of ten courses which includes Italian 201 and 202; four courses at the 300/400 level taught in Italian and four courses at the 200 level taught in English. Students who pursue the Italian Studies Major must spend a semester of study in Italy.

**because of an increase in interest in Italian, the three sections of Italian 101 (elementary Italian) may fill up quickly. We expect to find out immediately after the first week of registration whether we will be given an additional section of Italian 101, so we encourage students to stay on the waitlist for that first week of registration if they are interested in taking Italian 101 to fulfill their language requirement and to take any additional Italian language course in their sophomore year.

**LATIN**
Beginning Latin 101 is appropriate for students who have never studied Latin in high school. NOTE: Latin 101 is taught in the SPRING and Latin 102 in the FALL. Students who wish to continue their study of Latin should take the online Placement Exam. By Placement, students may enroll in the Fall in Latin 203 or 303: Petronius’ Satyricon; and in the Spring, in Latin 204 or 304: Love, Loss and Betrayal: Selections of Catullus, Vergil, and Ovid. To integrate a study abroad program into their course work, students are advised to complete at least Latin 101-102 by the end of their second year. Students who wish to continue their study of Latin (or are interested in Classics) should consult with the Chair, Dr. GailAnn Rickert (grickert@gettysburg.edu) about appropriate placement.

**LATIN AMERICAN, CARIBBEAN, AND LATINO STUDIES**
First-year students wishing to pursue the combined Latin American, Caribbean, Latino Studies/Spanish major, or the LACLS minor, should take the Spanish placement test and sign up for the appropriate level Spanish-language course. If the student places in Spanish 202/301, you can also enroll in Spanish 202 or Spanish 301 in the fall or spring semester. If the student is a Spanish heritage learner/ speaker, there is a new Spanish 302 Composition and Conversation, designed for heritage learners, offered in the fall only. Sign up for LAS 145 Introduction to Latino Studies (in the Fall) or LAS 140 Introduction to Latin America: Social Sciences (in the Spring). Both of these courses fulfill the required introduction to Latin American, Caribbean, and Latino Studies for majors and are strongly recommended for minors. Students should contemplate studying abroad in Latin America on a college-affiliated program (required for majors) second semester sophomore year or during their junior year.

For advising help, contact the Chair, Prof. Verónica Calvillo (vcalvill@gettysburg.edu) or the program’s administrative assistant, Tara Bowman (tbowman@gettysburg.edu).

**MANAGEMENT**
The Department of Management offers a major in Organization and Management Studies and a minor in Business.

**Organization and Management Studies**
Prospective majors in Organization and Management Studies will need to take Psychology 101 or Sociology 101 or 103 in their first year. The earliest a student may take OMS 111 is the spring semester of their first year because of the Psychology or Sociology pre-requisite. Students considering OMS as a major must complete OMS 111, OMS 235, and OMS 270 by the end of their sophomore year. OMS 235 is restricted to first and second year students. For advising help contact Prof. Heather Odle-Dusseau (hodle@gettysburg.edu).

**Business Minor**
Prospective minors in Business should take Economics 103 in their first year. For advising help, contact Prof. Bennett Bruce (bbruce@gettysburg.edu).
MATHEMATICS
The Department of Mathematics does not have a placement exam. Rather, we believe that students should self-place themselves into the class that best fits their background and interests with help from their advisor and faculty in our department. Students considering a mathematics course should refer to the Mathematics Placement Guidelines on the Department webpage to determine the appropriate placement or consult with a member of the department at 717-337-6630 or email Prof. Benjamin Kennedy (bkennedy@gettysburg.edu). Please note that Calculus I (Math 111) is intended for students who have not previously taken Calculus. In general, students who have taken calculus should place themselves into Calculus II or into a 200-level math course (see placement chart below). Students who place themselves into Calculus II and are considering a major in Mathematics, Physics, or Computer Science should enroll in the Honors section if possible.

In majors that require first-semester calculus, completion of a higher-level calculus course also satisfies that requirement. Accordingly, students should not place themselves in an inappropriately low-level course merely to satisfy the stated requirements of another major. Incoming students may confirm with departmental chairs in other majors that their math plans satisfy those majors’ requirements.

The best math course in which to start depends on your goals, motivation, and background. If you have any questions or concerns, please feel free to discuss your individual situation with a math faculty member.

Step 1 (Goals): What are your goals in taking a math course at Gettysburg College?
If your goal is further study in math, computer science, economics, or the sciences, you should take:

- Calculus (Math 105, 111, 111H, 112, 112H, or 211; see placement chart); or
- Linear Algebra (Math 212, see placement chart); or
- Differential Equations (Math 225, see placement chart); or
- Abstract Mathematics I (Math 215, see placement chart); or
- Introduction to Research in Mathematics (Math 201, see placement chart).

If your goal is to satisfy in the College’s Qualitative, Inductive, and Deductive Reasoning (QIDR) requirement, you should take:
(Note: Gettysburg College DOES NOT HAVE a math requirement.)

- Any of the courses listed above; or
- Mathematical Ideas (Math 103); or
- Applied Statistics (Math 107); or
- FYS 146-2: Cryptography, FYS 162-2: Math as Muse, or FYS 162-4: The Mathematics of Voting; or
- Courses in other departments (such as certain courses in CS, Economics, HES, Philosophy, Political Science, etc.) See Registrar’s website for eligible courses.

Step 2 (Aptitude and Motivation):
These are only guidelines to help you decide where it is best for you to start; you may want to keep the following points in mind.

1. Your motivation (drive and determination) is a very important factor in your success no matter which course you select. Many students are more motivated to work (and will attain higher grades) in a course where the material is new to them as opposed to a course where they have already seen much of the material.

2. Good study habits and the ability to handle challenges go a long way toward filling occasional gaps in background. If you are unsure about the strength of your background, you should consider your study habits and whether you are diligent in seeking out help.
**Step 3 (Calculus Placement):** This step only applies to students who wish to take calculus or higher-level math courses. If you do not plan on further study in math or in a field that relies on calculus (such as economics or the sciences), courses such as Math 103, Math 107, or First-Year Seminars that satisfy the Quantitative, Inductive, and Deductive Reasoning requirement (QIDR) might be more useful and fulfilling.

**When choosing a calculus course, keep in mind that it is easier to move down than it is to move up.** When choosing between two calculus courses, the department’s general recommendation is to take the higher course, because you will have the opportunity to move down to a lower-level course through the sixth week of classes. If you start in a lower course, you will not be able to move up to a higher course after the second week of classes.

**Calculus Placement Chart**

<table>
<thead>
<tr>
<th>Highest Level Background with B or Better</th>
<th>Starting Course</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Algebra II</strong></td>
<td><strong>Calculus with Precalculus</strong> (Math 105, and in the spring Math 106)</td>
</tr>
<tr>
<td><strong>Note:</strong> If you have completed Algebra II, but you do not have a B or better in any of the courses listed in this column, you should register for Math 105 and speak with a math faculty member over the summer.</td>
<td><strong>Note:</strong> Completing Math 105 and Math 106 is equivalent to completing Calculus I (Math 111).</td>
</tr>
<tr>
<td><strong>Precalculus</strong> (also taught under titles such as Math Analysis, or Functions, or College Algebra/Trig), including the topics:</td>
<td><strong>Calculus I</strong> (Math 111)</td>
</tr>
<tr>
<td>• Functions, graphs, and shifting/stretching Polynomial and rational functions</td>
<td><strong>Note:</strong> A score of 4 or 5 on AP Calculus AB exam gives credit for Math 111. If you take Math 111, you will lose this credit.</td>
</tr>
<tr>
<td>• Exponential and logarithmic functions</td>
<td></td>
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<tr>
<td>• Trigonometric functions and identities</td>
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<tr>
<td><strong>Calculus:</strong> full year course in high school (not necessarily AP), including the following topics:</td>
<td><strong>Calculus II</strong> (Math 112)</td>
</tr>
<tr>
<td>• Limits and continuity</td>
<td><strong>Note:</strong> A score of 4 or 5 on AP Calculus BC exam gives credit for Math112. If you take Math 112, you will lose this credit.</td>
</tr>
<tr>
<td>• Derivatives</td>
<td></td>
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<tr>
<td>• Increase/decrease, max/min, and concavity</td>
<td></td>
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<tr>
<td>• Antiderivatives</td>
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<tr>
<td>• Definite integrals</td>
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<tr>
<td>• Fundamental Theorem of Calculus</td>
<td></td>
</tr>
<tr>
<td><strong>Calculus + Highly Motivated:</strong></td>
<td><strong>Honors Calculus II</strong> (Math 112H)</td>
</tr>
<tr>
<td>If you earned a 4 or 5 on the AB Calculus test or</td>
<td></td>
</tr>
<tr>
<td>If you took a year of calculus, are highly motivated, and have a Math SAT score of 650 or higher.</td>
<td></td>
</tr>
<tr>
<td><strong>AP Calculus BC course</strong>, including all Calculus topics listed above plus:</td>
<td><strong>Linear Algebra</strong> (Math 212), or</td>
</tr>
<tr>
<td>• Integration techniques</td>
<td><strong>Differential Equations</strong> (Math 225), or</td>
</tr>
<tr>
<td>• Applications of integration</td>
<td><strong>Multivariable Calculus</strong> (Math 211), or</td>
</tr>
<tr>
<td>• Infinite sequences and series</td>
<td><strong>Abstract Mathematics I</strong> (Math 215), or</td>
</tr>
<tr>
<td></td>
<td><strong>Int. Research in Math.</strong> (Math 201).</td>
</tr>
</tbody>
</table>
MUSIC/Sunderman Conservatory of Music
The Sunderman Conservatory offers opportunities for all students, regardless of major. If you are not a music major or minor, please see below, Music Information for All Incoming Students, to learn about courses and ensembles for 2019 - 2020.

Please note: An audition is required for admission into the Conservatory as a music major or music minor. If you are interested in majoring or minoring in music and have not already auditioned, please contact Shelley Stoner in the Conservatory office (mstoner@gettysburg.edu) for information on auditioning in August.

Information for Incoming First-Year Music Majors and Minors (Class of 2023)
The Sunderman Conservatory of Music offers three music major programs, including the Bachelor of Arts in Music, the Bachelor of Music, and the Bachelor of Music Education, as well as a minor in music. Advising and course registration for music majors (all programs) and minors is very specific and dependent on each student’s individual degree program. Because of the multi-faceted needs of 1st Year music majors and minors, advising information can be found entirely online.

Incoming music majors (including all degree programs) and music minors must refer to the New Student Orientation page on the Sunderman Conservatory website for 1st year fall advising information.
For additional summer advising help, contact Conservatory Director Dr. James Day (jday@gettysburg.edu) or Administrative Assistant Shelley Stoner (mstoner@gettysburg.edu).

Applied (Private) Lessons
Students should not pre-register for applied (private) lessons. Students register for applied music courses (private lessons) in Voice, Piano, Organ, Guitar, Woodwinds, Brass, Percussion, or Strings at the first meeting with your studio teacher in the fall semester.

For all students except those in the Bachelor of Music program: applied (private) lessons are 0.25 credits and count neither toward nor against the number of courses a student may (or must) register for to earn full-time status. In other words, applied lessons do not count as your fourth course, nor will enrolling in applied lessons prevent you from taking four courses. For students in the Bachelor of Music program, applied (private) lessons count as the fourth course; these students should only pre-register for three courses during summer registration.

Music Ensembles
The Conservatory offers a number of music ensembles, including choirs, orchestra, wind bands, marching band, jazz ensemble, and more. All ensembles in the Sunderman Conservatory are open to students from all majors. Auditions for ensembles are scheduled by ensemble directors at the beginning of the fall semester. For information on ensemble auditions, please check the ensemble pages on the Conservatory website.

Students should not pre-register for ensembles; ensemble course registration will take place in the fall once ensemble auditions and complete and rosters are finalized. Music ensembles are 0.25 credits and count neither toward nor against the number of courses a student may (or must) register for to earn full-time status. In other words, a music ensemble cannot count as your fourth course, nor will enrolling in one or more ensembles prevent you from taking four courses.

Music majors and minors have specific ensemble requirements and should review the ensemble participation requirements found on the Conservatory website (see Current Students>Music Performance>Ensemble Participation Requirement).

(Music info continued on next page)
Music Information for All Incoming Students
The Sunderman Conservatory of Music offers several courses that fulfill requirements of the Gettysburg Curriculum for students who are undecided or in majors outside of music, including MUS_CLAS 101 Introduction to Music Listening and MUS_CLAS 102 World Music.

All ensembles in the Sunderman Conservatory are open to students from all majors (see ensembles information, above). For more information, visit the Sunderman Conservatory website. For additional summer advising help, contact Conservatory Director Dr. James Day (jday@gettysburg.edu) or Administrative Assistant Shelley Stoner (mstoner@gettysburg.edu).

PHILOSOPHY
All introductory (100-level) courses are open to first-year students. All students are encouraged to consider a Philosophy course early in their college career as an opportunity to develop skills in reasoning and argument, explore a new field, and expand intellectual perspective. Completion of a 100-level course or a First-Year Seminar taught by a philosopher entitles a student to enroll in any Philosophy course at any level. Any student completing an introductory level course should feel encouraged to explore all other course offerings in the department. Prospective majors in philosophy should enroll in an introductory-level course in their first year, although students may begin the program in their sophomore year. For advising help, contact Prof. Gary Mullen (gmullen@gettysburg.edu).

PHYSICS and DUAL-DEGREE ENGINEERING
Students planning to major in Physics should take in their first year PHY 111 and MATH 111 followed by PHY 112 and MATH 112 (or a higher level math sequence).

Candidates for the Dual-Degree Engineering Program should take Physics 111 and Mathematics 111; students interested in Chemical Engineering and a chemistry major at Gettysburg College should take Chemistry 107 (instead of Physics 111) and Mathematics 111; all dual-degree candidates should take the introductory course in their Gettysburg College major in their first semester. All dual-degree candidates should take a second language, English 101, or 111, or First Year Seminar that is writing intensive and satisfies the FY effective communication requirement, or Economics 103 or 104 in the first semester. Dual-degree candidates should also give thought in the first year to which of the fifteen engineering majors they wish to pursue. For advising help, contact Prof. Yoshihiro Sato (ysato@gettysburg.edu).

Intro Physics courses:
- Physics 103: For Biology, Environmental Studies, Health Science majors, algebra-based course; sophomore status required; does not count toward the Physics major.
- Physics 109: For Chemistry and Biochemistry & Molecular Biology majors, calculus-based course; sophomore status required.
- Physics 111: For Physics and Engineering dual degree majors, calculus-based course, exclusively for first years.

POLITICAL SCIENCE
Any student may enroll in Political Science 101,102,103 or 104. Prospective majors must take three of these introductory courses which are intended to introduce the student to the major subfields of political science and prepare the groundwork for their concentration in two of those subfields. They may be taken in any order, but should be completed by the end of the sophomore year. POL 215, Methods in Political Science, should also be completed by the end of the sophomore year. For advising help contact Prof. Bruce Larson (blarson@gettysburg.edu) or Valerie Andrews (vandrews@gettysburg.edu).
PORTUGUESE
Students who receive AP credit for Spanish or who test into Spanish 301 on the Spanish placement test are eligible to enroll in Accelerated Portuguese 105 in the fall and 205 in the spring. Portuguese Heritage speakers and highly motivated students who have tested into Spanish 202 may take Portuguese 105 with permission of instructor. Gettysburg College does not have a Portuguese placement test. For more information, please contact Ms. Becky Best (bbest@gettysburg.edu) or Professor Yager (kyager@gettysburg.edu).

PREMEDICAL STUDENTS
Students planning to attend medical school should complete the following courses by the end of junior or senior year, depending on when they plan to take the Medical College Admission Test (MCAT).

- Biology 111 and 112
- Chemistry 107 and 108
- Chemistry 203 and 204
- Physics 103 and 104 (or Physics 109 and 110 if majoring in Chemistry or BMB, or Physics 111 and 112 if majoring in Physics)
- Biology 211 and 212 (Note: Chemistry 333 and 334 may substitute for Biology 212)
- Psychology 101
- Sociology 101 or 102 or 103

First year students should take Biology 111 the first semester. Students with strong science backgrounds typically also take Chemistry 107 the first semester.

Completing these courses by the end of the junior year will prepare students to take the MCAT in the spring of the junior year and apply to medical school the summer between the junior and senior year. If accepted, the student would then attend medical school immediately after graduating from Gettysburg College (no gap year). Completing these courses by the end of the senior year will prepare students to take the MCAT in the spring of the senior year and apply to medical school the summer after senior year. If accepted, the student would then attend medical school one year after graduating from Gettysburg College (gap year). Careful planning is needed to ensure students complete the courses needed for medical school. While medical schools require that students take specific courses to gain admission, they do not require any particular major.

*Some medical schools may require Biochemistry as well as other courses not necessarily listed here, such as Math and/or English. It is important that students review required courses and pre-requisites for particular schools in the years prior to applying to medical school. For advising help, contact Kristi Waybright (kwaybrig@gettysburg.edu) or Prof. Katy Mattson (kemattso@gettysburg.edu).

PSYCHOLOGY
Psychology 101 is an appropriate starting place for students interested in Psychology. Students who have received a 4 or 5 on the Psychology Advanced Placement Exam may register for 200-level psychology classes in the fall. If you have taken the AP exam and believe you have done well, but have not yet received your score, please contact Carolyn Tuckey (ctuckey@gettysburg.edu) before it’s time to register for courses. We can arrange permission for you to enroll temporarily in a 200-level elective until your scores arrive.

Prospective majors may elect to take Psychology 101 in either the fall or spring. New first-year students, with AP, IB, or transfer credit for Psychology 101 may not take Psychology 205 until they are declared majors in psychology. We strongly encourage students to wait until the sophomore year to take Psychology 205. Although the College grants course credit for AP Statistics if students receive a 4 or a 5 on the AP Statistics exam, psychology majors must still take Psychology 205 as an additional course.

(PSYCH info continued on next page)
In addition to psychology courses, psychology majors must take two natural science courses with laboratories. Appropriate courses for the fall include Biology 101 or 111 (for those considering a major or minor in biology), Chemistry 107, Physics 103, and Astronomy 101. Prospective psychology majors are not required to take a natural science course in the first semester, but they may find these courses easier to schedule as first-year students than later in their career. Please note that the Gettysburg curriculum requires students to take one natural science course with a laboratory and one natural science course that may or may not have a laboratory. Psychology majors take both of their natural science courses with laboratories. Natural science courses without laboratories fulfill the Gettysburg curriculum requirement but they do not meet the requirement for the psychology major.

For advising help, contact Prof. Kathleen Cain (kcain@gettysburg.edu) or Prof. Kathy Berenson (kberenso@gettysburg.edu).

PUBLIC POLICY
Public Policy is a dual major, meaning that it must be taken alongside another major. Students generally begin taking courses specific to the Public Policy major in their sophomore year, but it is a good idea to take some or all of the foundation courses in your first year: POL 101 (American Government) or POL 104 (Comparative Politics), ECON 103 (Microeconomics), ECON 104 (Macroeconomics), and PHIL 105 (Contemporary Moral Issues). For advising help, contact Prof. Charles Weise, (cweise@gettysburg.edu).

RELIGIOUS STUDIES
The Department of Religious Studies focuses on the global, cross-cultural, academic study of religion. We offer an array of courses that introduce students to major religious traditions of the world, such as Judaism, Christianity, Islam, Buddhism, Hinduism, Confucianism, Native American religions, and Religions of America, and we offer an array of topical courses well such as Religion and Colonialism, Violence/NonViolence in Global Religious Traditions, and Religion and Technology. All courses in the department fulfill the one-course requirement in the Humanities. Many courses also fulfill the one-course requirement in Global Understanding, while other courses fulfill the one-course requirement in Conceptualizing Diversity. Although there are no prerequisites for any 100 or 200 level courses, we encourage prospective majors and minors to take Religion 101 early in their career. The department recommends Study Abroad programs and counts toward the major or minor work completed abroad. Majors are required to complete a course in theories of religion and the senior capstone course in Religious Studies. We also offer a Judaic Studies minor and are related to the Peace and Justice Studies minor. See the Department’s webpage for more information. For summer advising help contact the Religious Studies office at 717-337-6780.

ROTC
As a first-step to enroll in the ROTC program, please complete the Central PA Consortium form and return to the Office of the Registrar at Gettysburg College. You may scan the completed form and return to the Registrar via email (breese@gettysburg.edu); fax to 717-337-6245; or mail to: Gettysburg College, Office of the Registrar, Box 419, 300 N. Washington St., Gettysburg, PA. 17325.

- Once the Consortium Exchange Form is complete, the Registrar will send the form to Dickinson College and they will begin the process to enroll you in Military Science (MISC) courses at Dickinson College.
- ROTC students may earn up to 4.00 units/credit at Gettysburg College via the ROTC program; with credit earned for MISC 102, 202, 302, and 401.
- See the Military Science curriculum website for details on the curriculum.
- You must be enrolled as a full-time student at Gettysburg College (3.00 units/courses) to earn credit for 102, 202, 302, or 401. In other words, you cannot enroll in two courses at GC and count MISC 102 from Dickinson College as your 3rd course for a semester.

(ROTC info continued on next page)
• The meeting times and locations will be determined as we approach the beginning of the fall semester. We typically work with the folks at Dickinson to identify a time that works for our Gettysburg College students, then develop a schedule with courses/training exercises at both Gettysburg College and Dickinson College.

For further information about the ROTC program and expectations, etc., contact Erik Rodney at Dickinson College (rodneye@dickinson.edu).

**SOCIOLGY**

Sociology 101 (or SOC 102 or SOC 103, which are equivalent to 101) is appropriate for any student interested in exploring this discipline and meets the Social Science requirement for the Multiple Inquiries Goal. Students interested in majoring in Sociology should take Soc 101 (or 102 or 103) during the first year since it is a prerequisite for almost all other Sociology courses. Sociology majors planning to study abroad during the junior year ideally should complete Sociology 101 (or 102 or 103), and at least two 200 level Sociology courses (one of which should be either SOC 296 or SOC 298 or Soc 299) by the end of the sophomore year. For advising help, contact Prof. Craig Lair (clair@gettysburg.edu).

**SPANISH**

Placement in Spanish is based on a combination of students’ placement test scores and the number of years that they have taken Spanish in high school. A Spanish placement test is required of all students enrolling in Spanish, except for those who have never studied Spanish. Students will receive their placement after completing the online test.

The Spanish Major consists of a minimum of 9 courses, beginning with Spanish 301. Prospective majors should take Spanish 301 in the fall, or as soon as possible, pending placement at that level. Students who are heritage learners of Spanish and place at the 202 or 301 level should enroll in Spanish 302 (only available in the fall), a section specifically designed for heritage learners. Students who begin at a lower level can still schedule the remaining coursework for the major program without difficulty, but should consult with the Department of Spanish for advising. Any questions should be directed to Ms. Becky Best (bbest@gettysburg.edu).

**THEATRE ARTS**

Students interested in exploring the Theatre Arts program are encouraged to enroll in one of the following theatre courses during the first semester:

- Theatre Arts 105, Introduction to the Theatre
- Theatre Arts 120, Fundamentals of Acting
- Theatre Arts 214, Survey of Dramatic Literature
- Theatre Arts 163, Introduction to the Dance

All students interested in acting in campus productions are encouraged to attend auditions for the fall musical production and/or short plays which will be directed by the students in the Fundamentals of Directing Class. First-years are often cast in fall productions. There are also opportunities to work for the department in the scene shop, costume shop, or administrative office.

Auditions for the musical will take place during the first week of classes. Auditions for a short play festival will take place during the second or third week of classes. Instructions for the auditions will be posted online on our website this summer and will be explained during Orientation. An ice-cream social sponsored by the campus theatre group, The Owl and Nightingale Players, will take place in the afternoon on the Sunday of Orientation.

For more information, contact Prof. Chris Kauffman, Department Chair, (ckauffma@gettysburg.edu) or Carol Coon, Academic Office Administrator, (ccoon@gettysburg.edu).
WOMEN, GENDER & SEXUALITY STUDIES

Women, Gender, and Sexuality Studies is an interdisciplinary program which examines historically marginalized genders and sexualities from the perspective of critical gender studies. The Program has a special focus on women and on intersections of gender, sexuality, race, class, ethnicity, age, and ability. The curriculum emphasizes critical thinking, multiple perspectives, and the diversity of human experience. Students learn a number of methods for examining and strategies for modifying the conditions that affect all of our lives.

The Program has several new sexuality studies courses that may be of interest to students as they make their course selections. In addition to regular course offerings, students may take Program-approved cross-listed and affiliated courses which count toward the major and minor.

Prospective majors and minors in WGS are strongly encouraged to talk with a WGS advisor as early as possible in their academic career. Because there is a preferred sequence of courses, all required courses require careful planning. Students are strongly encouraged to take WGS 120 in the first or second year, WGS 300 or WGS 310 (Fall) and WGS 290 (Spring) in the third year, and WGS 340 (Fall) and WGS 400 (Spring) in the senior year. *WGS 300 and WGS 310 are offered alternating years in the Fall. Students planning to study abroad are encouraged to do so in their sophomore year or in the spring of their junior year.

Our 200-level courses do not have pre-requisites and work towards an array of Gettysburg College Curriculum goals, notably the Interdisciplinary, Conceptualizing Diversity, Global Understanding, Humanities, and Social Science requirements. For advising assistance over the summer, please contact the Office of Academic Advising.