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 myFirstYear Dashboard
- Complete the Summer Advising Survey (www.gettysburg.edu/sasurvey) by June 3
- 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 15-22)
- View the Registration Video Tutorial (www.gettysburg.edu/registrar)
- Set your alarm to remind you to register June 22 at 9:00am EST

<table>
<thead>
<tr>
<th>Class#</th>
<th>Dept/Cat.#/Section</th>
<th>Meeting Day/Time</th>
<th>Lab/Discussion Class#</th>
<th>Alt. Section Class#</th>
</tr>
</thead>
<tbody>
<tr>
<td>50732</td>
<td>ASTi01.A:</td>
<td>T/Th i:iO-2:35-p</td>
<td>LA&amp; A i-4-p</td>
<td>LAIS IS Ti-4-p</td>
</tr>
</tbody>
</table>

Alternates:

Questions for my Summer Advisor:

ImQortant Dates

- Summer Advising Preference Online Form must be completed by Friday, June 3
- Online enrollment OPENS at 9:00am on June 22 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 3
Summer Advising Program

We encourage first year students to be open to exploring different disciplines and not to focus too much on taking courses toward a major. We do know, however, that some students have specific goals and interests and that having early advising toward those goals is important.

Be sure to complete the Summer Advising Preference Form (www.gettysburg.edu/sasurvey) by June 3 to help us understand what type of advising you might need. All students will be assigned a Summer Advisor to assist you with course selection (even if you forget to complete the survey). Your advisor’s contact information will be sent to you via your Gettysburg College email address by June 13.

The Summer Advisors are all faculty or administrators at the college. Advisors in various disciplines should be addressed as Professor [insert last name]. The Deans in the Academic Advising Office should be addressed as Dean [insert last name]. Please remember that your communication with these people can leave a lasting impression, so be friendly and professional in your conversations and take time to craft appropriate notes.

We also utilize Facebook for informal Summer Advising. Like the Class of 2020 Facebook Page and pose your questions. Upper class students, faculty, and Deans of Academic Advising monitor these posts all summer.

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.

How We Assign First Year Advisors

During the summer, our Summer Advisors, the Deans in the Office of Academic Advising, and the Registrar’s office will assist you with selecting courses. Your First Year Advisor will be assigned in early August. 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 with your advisor in your first semester. Most importantly, 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. You may be assigned an advisor in a department you do not plan to major in, and that’s fine! 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.

We will notify students on Facebook and the Orientation website when advisors are assigned. Advisor assignments 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 (June 22), 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 Advising Staff, 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.

ANTH 103 - An introduction to Cultural Anthropology

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<tr>
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<td>Class Components</td>
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<td>Required</td>
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<table>
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<th>Information</th>
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<tr>
<td>Times</td>
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<td>Amster Matthew H.</td>
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<th>Class Attributes</th>
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<tbody>
<tr>
<td>Global Understanding</td>
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<tr>
<td>Non-West (Global Understanding)</td>
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<tr>
<td>Multiple Inquiries Social Science</td>
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</table>

Class Capacity:

<table>
<thead>
<tr>
<th>Wait List Capacity</th>
<th>Wait List Total</th>
<th>Available Seats</th>
</tr>
</thead>
<tbody>
<tr>
<td>50</td>
<td>3</td>
<td>16</td>
</tr>
</tbody>
</table>

class Notes:

Enrollment: 2 seniors, 4 juniors, 8 soph. 16 First Year.
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 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 whose second language is English and who have studied a language other than English through the high school level or higher. These students may petition the Registrar's Office for exemption from the second language requirement once they arrive at Gettysburg.

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 (1) 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.
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 French, German, Italian, Latin, and Spanish.
- For ancient Greek, Arabic, Chinese, and Japanese, 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 and German 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.

Language Placement Results

<table>
<thead>
<tr>
<th>Exam Type</th>
<th>Placement</th>
<th>Term</th>
<th>Milestone Required</th>
<th>Completed</th>
<th>Date Taken</th>
</tr>
</thead>
<tbody>
<tr>
<td>French Placement Exam</td>
<td>103 Placement</td>
<td>2128</td>
<td>Completed</td>
<td>Exam Taken</td>
<td>06/04/2012</td>
</tr>
</tbody>
</table>

{Foreign Language Study info continued on next page}
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 a 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: Valerie Anderson [vanderso@gettysburg.edu; 717.337.6343]
- French, German, and Italian: Robin Oliver [roliver@gettysburg.edu; 717.337.6850]
- Spanish: Becky Best [bbeast@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, 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 660 or above in the SAT Writing 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 17 and placed into the course before you register for other courses on June 22. 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.

*(FY5 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.
- Unlike your other courses, you will register for a seminar by submitting a ranked list of your preferences through the Dashboard.
- 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.
- Most 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 the first year writing 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.

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 okay 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).

The list on the next page includes 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.
<table>
<thead>
<tr>
<th>AP Course</th>
<th>Gettysburg College Curriculum Requirement</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus AB</td>
<td>Quantitative, Inductive, Deductive Reasoning, counts toward Math major and minor. Equivalent to Math 111.</td>
</tr>
<tr>
<td>Calculus BC</td>
<td>Quantitative, Inductive, Deductive Reasoning, counts toward Math major and minor. Equivalent to Math 112.</td>
</tr>
<tr>
<td>English Literature &amp; Composition</td>
<td>First Year Writing</td>
</tr>
<tr>
<td>English Language &amp; Composition</td>
<td></td>
</tr>
<tr>
<td>Second Language</td>
<td>One semester of foreign language study. Students with this credit should still take the appropriate language placement test.</td>
</tr>
<tr>
<td>Environmental Studies</td>
<td>Natural Science. Equivalent to ES 121.</td>
</tr>
<tr>
<td>Psychology</td>
<td>Social Science, counts toward Psychology major, pre-requisite for 200 level Psychology courses. Equivalent to Psych 101.</td>
</tr>
<tr>
<td>US History, European History, World History</td>
<td>Humanities, counts toward History major.</td>
</tr>
<tr>
<td>Economics--Macro</td>
<td>Social Science. Equivalent to Econ 104.</td>
</tr>
<tr>
<td>Biology</td>
<td>Natural Science with lab. Does not count toward Bio Major.</td>
</tr>
<tr>
<td>Chemistry</td>
<td>Natural Science with lab.</td>
</tr>
</tbody>
</table>

**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 2016

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
Africana Studies at Gettysburg College offers the opportunity to learn how to analyze problems from a variety of disciplines such as economics, history, 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. 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. Jennifer Bloomquist (jbloomqu@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 several 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 prerequisite for upper-level studio art courses. Students expecting to major or minor in art history should take ARTH 125 in their first year. There are several sections of ARTH 125 in both the fall and spring semester and some enrollment spaces have been reserved for first year students. This course is a prerequisite for upper-level art history courses. For information, please contact office administrator 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 or Veterinary school immediately after college. Prospective majors should note that Introductory Biology and Chemistry courses are year-long sequences. In their first year, prospective Biology majors typically take Biology 111 (or 113) in the fall and Biology 112 in the spring (see below: “Which Biology course is best for me?”). Since Chemistry is required for the Biology major, students who are sure of their intent to major in Biology or BMB should enroll in Chemistry 105 or 107 along with Biology 111 in the first semester. This permits a better integration of chemistry into upper level biology courses. Students may, however, delay Chemistry until their second year and still complete the Biology major. 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 Biology (111 or 113), Chemistry (105 or 107), or Physics (103) their first semester.
- Non-Biology majors interested in Neuroscience should take Biology 110 their first semester.
- 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 info.

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.
- 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.
- Bio 103 (Plants and Society- Spring 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 110 (Introduction to Molecules and Cells- Fall course) is geared towards science majors, especially for students who are planning to major in Health Sciences, minor in Neuroscience, or go into a health-related field. It assumes some HS science background and that you plan to take Bio 112. It has a weekly lab.
- Bio 111 (Introduction to Ecology and Evolution- Fall course) is geared towards students with a strong science background and is best suited for Biology, BMB, and Environmental Studies majors. It has a weekly lab.
- **NOTE:** While we ENCOURAGE prospective Biology, BMB, and Environmental Studies majors to take Bio 111, and prospective Health Sciences majors and non-Bio Neuroscience minors to take Bio 110, those recommendations are not cast in stone. Both Bio 110 and 111 are acceptable pre-requisites for Bio 112, and both Bio 110 and 111 are accepted as credit towards all of these majors.
- Bio 113 (Introduction to Phage Biology- Fall course) is a research-intensive course geared towards science students. It can substitute for either Bio 110 or Bio 111 for any major/minor. It has a lab component and assumes students will also sign up for Bio 114 (Phage Genomics) concurrently with Bio 112 in the spring. Open to a limited number of students by application only.
- Bio 112 (Form and Function- Spring course) is required for Biology, BMB, Health Science majors, pre-med students, and has a pre-requisite of Bio 110 or 111 or 113.

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

**BIOCHEMISTRY/MOLECULAR BIOLOGY**

Students planning a major in the interdisciplinary Biochemistry and Molecular Biology program should take Biology 111AND Chemistry 105 or 107 in the fall semester. Since Mathematics 111-112 is required for the BMB major, consideration should be given to enrolling in Math 111 during the first year. For advising help, contact Prof. Kazuo Hiraizumi (hiraizum@gettysburg.edu), Director of the BMB Program.
CHEMISTRY
Students planning a major in chemistry should take either Chemistry 105 or Chemistry 107 and Mathematics 111 or a higher level mathematics course during the fall semester. Students who are interested in taking a chemistry class because of a general interest in exploring chemistry can also start with Chemistry 105 or Chemistry 107. Chemistry 105 has more of an environmental emphasis while Chemistry 107 explores a broad range of chemical topics. Neither course presumes an extensive background in chemistry. For questions, see the Department Handbook online or contact Prof. Michael Wedlock at mwedlock@gettysburg.edu.

CHINESE
Students interested in Chinese or prospective majors in Chinese Studies should choose Chinese 101 if they have never studied the language previously. Students who have studied Chinese in high school should follow directions about placement testing during Orientation. For questions, contact Prof. Jing Li (jili@gettysburg.edu).

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 James Udden, Chair of CIMS at judden@gettysburg.edu, or our administrative assistant, Lin Myers, at lkmyers@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 is a First-Year Seminar on a Civil War-related subject, FYS 183-4 (Blood on the Moon: Literature of the Civil War Era). For advising during the summer, please contact Megan Blount (mblount@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 in Classics. Some 200-level Classics courses have no pre-requisites and are also open to any student. (Fa/2018: CLA 103 Classics of Greek and Latin Literature; CLA 251 Greek History. Spring 2017: CLA 122 Roman Civilization; CLA 235 A "Civilizing" the "Barbarians"?; CLA 235 B Gender & Sexuality in Ancient Greece). All Classics courses meet the Humanities Requirement. 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 of Latin or Greek in the SPRING of their First Year in order to integrate a study abroad program into their coursework in Classics. For advising help, contact the Chair, Dr. GaiiAnn 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 CS Advanced Placement 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", is 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.

To learn more about the Computer Science major, please consult any CS faculty member (x6630), the CS chair, Prof. Clif Presser cpresser@gettysburg.edu x6639, or read our CS handbook.

EAST ASIAN STUDIES
Prospective majors and minors should consider taking AS 150 Japanese Culture and Society or AS 151 Chinese Culture and Society in their first or second year. They should also start language study with Chinese 101 or Japanese 101. See Chinese and Japanese sections below and our website for further information. Asia related courses are also available in other departments including History, Political Science, Religious Studies, and Art History.

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.

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. Brendan Cushing-Daniels (bdaniels@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 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, and Economics 104 can also be counted as a math course.

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 is designed to prepare students for Master’s level coursework by introducing them to education as a cultural phenomenon, explored through various disciplinary lenses (including history, philosophy, psychology and sociology) and/or academic fields of interest (such as public policy, diversity studies, or social justice). 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 intra 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 in 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.

Students interested in either the Educational Studies minor or the Teacher Education program should visit the Education Department’s website or the College catalog for more information. For more information, contact Prof. Dave Powell (dpowell@gettysburg.edu) or Mrs. Kathy Ambrose (717.337.6550; kambrose@gettysburg.edu), the Education Department’s office administrator, in June or July.

ENGLISH
Any first-year student, including a prospective major or minor in English, may elect one of the First Year Seminars (FYS) that focuses on literature (FYS 128-3, FYS 135-3, FYS 159-4, FYS 161-2, FYS 178-2, FYS 183-4) or ENG 111 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 210-269). 200-level English literature courses (ENG 210-269) 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 include:

**ENG 221A  Survey of 17/18 Century Literature  TF 11:25 am-12:40 pm** Historical survey of English literature from *Beowulf* through the twentieth century, with some attention to the social, political, and intellectual backgrounds of the periods under investigation. Selected works are discussed in class to familiarize students with various methods of literary analysis; students write several short critical papers each semester.

**ENG 263A  African Americans and the Power of Spoken Word  TR 2:35-3:50 pm** While the immediate focus of this course will be directed toward the contemporary Hip Hop and Spoken Word Movements, we will engage the contemporary moment as part of an African American cultural legacy that is built upon a bedrock of oral tradition. We will consider the significance of orality in crafting and cultivating the forms, styles, and content of African American cultural expression. Examining oral expressions that range from music to public speeches, this course positions the spoken word as central to understanding the complex issues of identity, culture, and politics that shape the African American presence in American society.

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** for 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 201 Writing the Public Essay** for the Fall or Spring semester. For advising help, contact Jody Rosensteel (jrosten@gggtysburg.edu).

**ENVIRONMENTAL STUDIES**
Prospective majors and minors should take **ES 196** as soon as possible, preferably in the first year, and must receive a C or higher to continue. Note that 100-level ES courses other than ES196 do not count toward the ES major or minor. Students considering the Bachelor of Science degree should take two semesters of a basic natural science in their first year (Bio 111-112 or 113-114, or Chem 105 or 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**. For advising help, please contact Professor Rud Platt (rplatt@gggtysburg.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. Students who place in French 202 or 300 are strongly encouraged to continue in French as those classes will enable them to start a minor (FR202) or a major (FR300) in their first college semester. 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 (ro Oliver@gettysburg.edu).
GERMAN STUDIES

The German Studies Major consists of a minimum of eleven courses beyond the elementary language level. Majors are required to spend at least one semester studying in an approved program in a German-speaking country. Prospective majors should take German 301 in the fall, pending placement at that level, but those who begin with German 201 can still schedule the remaining coursework for the major program without difficulty. A department placement test will be required of all students enrolling in German except for those who have never studied German before. German 101 is appropriate for the true beginner and meets five days a week. If you have questions, please contact the Department Chair, Prof. Laurel Cohen (lpfistee@gettysburg.edu). For more information on our German Studies Minor and Major, please consult the department website.

GLOBALIZATION STUDIES

Prospective majors must take all four foundation courses: Anthropology 103, Economics 104, GS 225, 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. The application is available on the Globalization Studies website. For advising help, contact Prof. Alvaro Kaempfer (akaempfe@gettysburg.edu) or Lin Myers (lkmyers@gettysburg.edu).

GREEK

Beginning Ancient and New Testament Greek 101-102 (SPRING-FALL) are appropriate for students who have never studied ancient Greek. Students who wish to continue their study of ancient Greek or who have studied ancient Greek previously but need to firm up fundamental grammar, syntax, and vocabulary 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. Gail Ann Rickert (grickert@gettysburg.edu).

HEALTH SCIENCES

Prospective BA & BS majors in Health Sciences should take Bio 110 in the fall and Bio 112 in the spring. BS majors should also consider taking Chern 107 and Chern 108 in the spring. For more information, see the Department’s website.

HISTORY

All 100 and 200-level courses have no pre-requisites and fulfill the Humanities requirement for the Multiple Inquiries Goal. Many of these courses also fulfill the Global Understanding, Conceptualizing Diversity, or 5TS 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 have 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 a 100-level or 200-level course. FY students can take 300 level courses only with permission of the instructor. For advising help, contact Clare Crone (ccrone@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, count towards the Integrative Thinking Goal of the Gettysburg Curriculum. 200-level courses without prerequisites are appropriate for First Year students. In addition, students may create an Individualized Major before the end of their second year through the Interdisciplinary Studies Program. For advising help, contact Lin Myers (lkmyers@gettysburg.edu), Prof. Kevin Wilson (kwisond@gettysburg.edu), or consult the program’s website.
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 in their sophomore year. In the first and second year, students should take Economics 103 & 104, Political Science 103, and History 110. For advising help, contact Prof. Donald Borock, Director of IA (dborock@gettysburg.edu) or Prof. Eileen Stillwaggon (stillwaggon@gettysburg.edu).

ITALIAN STUDIES

The Italian Studies Major consists of twelve courses which includes Italian 201 and 202; five courses at the 300 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 five courses above IT 202, three of which must be at the 300 level taught in Italian. We highly encourage, but do not oblige, our students interested in the Italian Studies Minor to study in Italy for a semester. Please plan on enrolling 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 schedule Italian, but are unable to register for a section matching your language placement results, you can contact the Department Chair, Prof. Alan Perry (aperry@gettysburg.edu). For more information on our Italian Studies Minor and Major, please consult the information on the department website.

JAPANESE

Students interested in Japanese or prospective majors in Japanese Studies should choose Jpn 101 if they have never studied the language previously. Students who have studied Japanese in high school should follow directions about placement testing during Orientation. Questions can be directed to Prof. Jing Li (jili@gettysburg.edu).

LATIN

Beginning Latin 101-102 are appropriate for students who have never studied Latin or who have had only one or two years of Latin at the high school level. (NOTE: Latin 101 is next offered Spring 2017.) Students who have had only one or two years of high school Latin may enroll in Latin 101 in the Spring without taking the placement test. Students who wish to continue their study of Latin (or are interested in Classics) and have had three or more years of Latin study in high school must take the online Placement Exam. Without previous college level course work, students may enroll in Latin 102, 200-level or 300-level courses only after completing the placement exam. 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. For questions, contact Dr. Gail Ann Rickert (grickert@gettysburg.edu).

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. Prospective majors and minors should enroll either in LAS 147 Introduction to Latin America: Cultural 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. Both courses also count for the College's interdisciplinary curricular requirement. 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 program Chair, Prof. Radost Rangelova (rrangelo@gettysburg.edu).
MANAGEMENT
The Department of Management offers a major in Organization and Management Studies and a minor in Business. For advising help, contact Prof. Bennett Bruce (bbruce@gettysburg.edu).

- Organization and Management Studies
  Prospective majors in Organization and Management Studies will need to take Psychology 101 or Sociology 101 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.

- Business Minor
  Prospective minors in Business should take Economics 103 in their first year.

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 to determine the appropriate placement or consult with a member of the department at 717-337-6630 or email Professor 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 the AB Calculus AP exam should start in Calculus II (Math 112) and students who have taken the BC Calculus exam should start in a 200-level math course. Students who are considering a major in Mathematics, Physics, or Computer Science and are beginning at the Calculus II level should take the Honors section if possible.

Guidelines for Math Placement for First Year Students
It is beneficial to find the most appropriate math course in which to start, given your goals; aptitude and 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?

<table>
<thead>
<tr>
<th>Goals</th>
<th>Starting Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Pursue further study in math, computer science, economics, or the sciences.</td>
<td>• Introduction to Research in Mathematics (Math 201; no pre-requisites)</td>
</tr>
<tr>
<td></td>
<td>• Calculus (Math 105, 111, 111H, 112, 112H, or 211; see placement chart)</td>
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<tr>
<td></td>
<td>• Linear Algebra (Math 212; see placement chart)</td>
</tr>
<tr>
<td></td>
<td>• Abstract Mathematics I (Math 215; see placement chart)</td>
</tr>
<tr>
<td></td>
<td>• Differential Equations (Math 225; see placement chart)</td>
</tr>
<tr>
<td>Fulfill the Quantitative, inductive and deductive reasoning (QIDR) requirement.</td>
<td>• Mathematical Ideas (Math 103; no pre-requisites)</td>
</tr>
<tr>
<td>Note: Gettysburg College does not have a math requirement.</td>
<td>• Introduction to Research in Mathematics (Math 201; no pre-requisites)</td>
</tr>
<tr>
<td></td>
<td>• Math as Muse (FYS 162-2; no pre-requisites)</td>
</tr>
<tr>
<td></td>
<td>• Courses in other departments (such as certain courses in CS, Econ., HS, Philosophy, Political Science, etc.). See Registrar's website for eligible courses.</td>
</tr>
</tbody>
</table>
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 most 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.

3. It is easier to move down than it is to move up. When choosing between two 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 fifth 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.

Step 3 (Background): On the chart that follows, find the highest level background course completed in high school in which you did well (grade of B or better). For example, if in high school you had an A in Algebra II, a B in Precalculus, and a C in Calculus, then your highest level background with B or better is Precalculus.

Calculus Placement Chart

<table>
<thead>
<tr>
<th>Highest Level Background with B or Better</th>
<th>Starting Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Algebra II</td>
<td>Calculus with Precalculus (Math 105) (and in the spring Math 106) Note: Completing Math 105 and Math 106 is equivalent to completing Calculus I (Math 111).</td>
</tr>
<tr>
<td>Note: 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 pre-register for Math 105 and speak with a math faculty member before the registration in August.</td>
<td></td>
</tr>
</tbody>
</table>

Precalculus (also taught under titles such as Math Analysis, or Functions, or College Algebra/Trig), including the topics:
- Functions, graphs, and shifting/stretching
- Polynomial and rational functions
- Exponential and logarithmic functions
- Trigonometric functions and identities

Note: 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.

<table>
<thead>
<tr>
<th>Some Calculus+ Highly Motivated: If you took some calculus (but not enough to enroll in Calculus II), are highly motivated, and have a Math SAT score of 650 or higher.</th>
</tr>
</thead>
<tbody>
<tr>
<td>Honors Calculus I (Math 111H)</td>
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</tbody>
</table>

(Calculus guidelines continued on next page)
<table>
<thead>
<tr>
<th>High Level Background with B or Better</th>
<th>Starting Course</th>
</tr>
</thead>
<tbody>
<tr>
<td>Calculus: full year course in high school (not necessarily AP), including the following topics: Limits and continuity <strong>Derivatives</strong> Increase/decrease, max/min, and concavity <strong>Antiderivatives</strong> Definite integrals Fundamental Theorem of Calculus</td>
<td>Calculus II (Math 112)</td>
</tr>
</tbody>
</table>

Note: A score of 4 or 5 on AP Calculus BC exam gives credit for Math 112. If you take Math 112, you will lose this AP credit.

Calculus+ Highly Motivated: If you earned a 4 or 5 on the AB Calculus test or If you took a year of calculus, are highly motivated, and have a Math SAT score of 650 or higher. Honors Calculus II (Math 112H)

AP Calculus BC course, including all Calculus topics listed above | Multivariable Calculus (Math 211) or Linear Algebra (Math 212) or Abstract Mathematics I (Math 215) or Differential Equations (Math 225)

| Integration techniques | Applications of integration | Differential equations | **Infinite sequences and series** |

MUSIC
The Sunderman Conservatory offers opportunities for all students, regardless of major. If you are not a music major or minor, please see below: Information for All Incoming Students, to learn about courses and ensembles that will be offered in 2016-17. **Please note:** An audition is required for admission into the music major or minor program. For information on auditions, please contact Diane MacBeth in the Conservatory office at macbgth@sburg.edu.

Information for Incoming First-Year Music Majors and Minors (Class of 2020) **Incoming music majors (all degrees) and minors should refer to the New Student Orientation page on the Sunderman Conservatory website for additional important information.**

As you prepare to register for courses, please check your audition letter to see which degree guidelines to follow from those given below.

**Bachelor of Arts, Music Majors and Music Minors:** Should register first for MUS_CLAS 141: Music Theory 1 and build the rest of the schedule around this course. Note that for Music Theory you must register for both the lecture section and an activity section (aural skills). Then register for the following: a second language, a First Year Seminar (highly recommended; a number of seminars also fulfill the writing requirement), and one course that fulfills part of the Gettysburg Curriculum other than Multiple Inquiries: Arts. Information about registration for applied lessons and ensembles can be found below in
the section on Private Lessons and Ensembles. NOTE: If you plan to be a double major, your advisors for both music and the other discipline can help you with your course schedule during the summer registration period.

**Bachelor of Music Education:** Should register first for MUS_CLAS 141: Music Theory 1. Note that for Music Theory you must register for both the lecture section and an activity section (aural skills). Must also register for MUS_CLAS 149: Social Foundations of Music Education and MUS_CLAS 120: Piano Skills 1 (.25) and build the rest of the schedule around these courses.

Music Education majors planning to take a First Year Seminar must ensure their chosen seminar meets the writing requirement OR should take ENG 101/111 (this is a state requirement for teacher licensure that must be completed during the first semester; an approved AP English Writing class with a score of 4 or higher can exempt you from this requirement; consult with music education faculty before opting out of a course that meets this requirement). Music Education majors must also register for a course that fulfills the Gettysburg Curriculum Quantitative, Inductive, and Deductive Reasoning goal (math courses, CS 103). Information about registration for applied lessons and ensembles can be found below in the section on Private Lessons and Ensembles.

**Bachelor of Music in Performance:** Should register first for MUS_CLAS 141: Music Theory 1 and build the rest of the schedule around this course. Note that for Music Theory you must register for both the lecture section and an activity section (aural skills). Then register for a second language, First Year Seminar (with writing component) or Eng 101/111, or one multiple inquiries goal course other than in the Arts. Students will register for MUSIC 157 (1) at the time of the first meeting with their studio teacher. As MUSIC 157 is a full course, please ensure you only pre-register for three courses. There may be additional partial-credit requirements associated with your particular degree track (voice, keyboard, strings, or wind/percussion) that you will add in consultation with your music advisor at the beginning of the fall semester.

**Private Lessons and Ensembles**

Students do not need to pre-register for applied lessons or ensembles. 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. Auditions/placements for music ensembles in Choirs, Wind Symphony, Symphony Orchestra, and Jazz Ensemble will also be scheduled at the beginning of fall semester. Ensemble directors complete the ensemble registration once auditions are over and the ensemble rosters are finalized. Music majors and minors should review the ensemble participation requirements on the New Student Orientation page on the Sunderman Conservatory website.

**Music Information for All Incoming Students**

The Sunderman Conservatory of Music offers courses that fulfill the requirements of the Gettysburg Curriculum for students who are undecided or in majors outside of music. All ensembles in the Sunderman Conservatory are open to students from all majors. For information, visit the Sunderman Conservatory website. For advising help, contact Prof. Kay Hoke (shoke@gettysburg.edu).
PHILOSOPHY
Students are encouraged to consider an introductory course in Philosophy early in their college career as an opportunity to enlarge their intellectual perspective and develop skills in reasoning and argument. It would be helpful for prospective majors to take a 100-level or a First Year Seminar course in their first year, although many majors have little problem completing major requirements after beginning a course of study in the sophomore year. A 100-level course is a pre-requisite for all 200- and 300-level courses in philosophy, and anyone who has taken any 100-level course in philosophy should feel encouraged to consider all other course offerings in the department. For advising help, contact Prof. Daniel DeNicola (ddenicol@gettysburg.edu).

PHYSICS and DUAL-DEGREE ENGINEERING
Students planning to major in Physics should take Physics 111 and Mathematics 111 or a higher level mathematics course. Candidates for the Dual-Degree Engineering Program interested in majoring in physics while at Gettysburg College should take Physics 111 and Mathematics 111; students interested in Chemical Engineering and a chemistry major should take Chemistry 107 and Mathematics 111; other non-physics-major dual-degree candidates should take Physics 109 and Mathematics 111. All dual-degree candidates should take a second language, English 101, or 111, or First Year Seminar that is writing intensive which satisfies the effective communication goal, 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. Sharon Stephenson (sstephen@gettysburg.edu).

Intra Physics courses:
- Physics 101: For non-science majors; does not count toward the Physics major; satisfies the natural science requirement (with lab), open to first years
- 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; does not count toward the Physics major
- 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. Don Borock (dborock@gettysburg.edu) or Carla Pavlick (cpavlick@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 110 and 112 (or Biology 111 and 112 if majoring in Biology, BMB, or Environmental Studies)
- 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 110 or 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. For advising help, contact Kristi Waybright (kwaybrig@gettysburg.edu) or 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 (except for Psych 205; see below). Prospective majors may elect to take Psych 101 in either the fall or spring. New first-year students should not take Psych 205 in the fall, although they may take Psych 205 in the spring if they first declare a major in Psychology. Although the College grants credit for AP Statistics if students receive a 4 or a 5 on the AP Statistics exam, psychology majors must still take Psych 205 as an additional course.

In addition to psychology courses, psychology majors must take two natural science courses with laboratories. Appropriate courses for the fall include Bio 101 or 111, Chem 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. We therefore strongly encourage prospective psychology majors to take a natural science course with a laboratory as soon as possible. Natural science courses without laboratories fulfill the Gettysburg curriculum requirement but they do not meet the requirement for the psychology major.

Students who wish to declare a major in psychology after arriving at Gettysburg College should check their email for announcements about major declaration sessions. These are held on multiple dates in October and in the spring. Students are required to attend one of these sessions in order to declare a major in psychology. For advising help, contact Prof. Kathleen Cain (kcain@gettysburg.edu).
PUBLIC POLICY
Public Policy is a dual major, meaning that it must be taken alongside of another major. Students interested in the Public Policy major would benefit by taking one or more of the following courses: POL 101 (American Government), POL 104 (Comparative Politics), ECON 103 (Microeconomics), ECON 104 (Macroeconomics), or PHIL 105 (Contemporary Moral Issues). For advising help, contact Prof. Bruce Larson blarson@gettysburg.edu

RELIGIOUS STUDIES
The Department of Religious Studies focuses on the global, cross-cultural, and 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, and Religions of America. 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. We also offer a Judaic Studies minor and are related to the Peace and Justice Studies minor. See the Department’s website for more information. For summer advising help please contact the departmental office at 717-337-6780.

SOCIOLOGY
Sociology 101 (or SOC 102 or 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 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 should ideally complete Sociology 101, at least two 200 level Sociology courses, and either Soc 292 or Soc 296 or both by the end of the sophomore year. For advising help over the summer, contact Andrea Switzer (aswitzer@gettysburg.edu)

SPANISH
The Spanish Major consists of a minimum of 9 courses beyond and including Spanish 301. Prospective majors should take Spanish 301 in the fall, or as soon as possible, pending placement at that level. Majors are required to spend at least one semester studying in an approved program in a Spanish-speaking country. Those 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. A department placement test will be required of all students enrolling in Spanish, except for those who have never studied Spanish before. A student who has not taken Spanish in High School does not need to take the Spanish placement test, but he or she needs to contact Professor Ronald Burgess at rburgess@gettysburg.edu to get permission to enroll into a true beginners class. For those advanced students of Spanish (301 placement) who are interested in learning another language, please consider Accelerated Elementary Portuguese (Port 105). Your Spanish background will help you advance rapidly in Portuguese, the sixth most spoken language in the world. Any questions should be directed to Ms. Becky Best (bbest@gettysburg.edu). For more information on our Minor and Major in Spanish, please consult the Department website.
THEATRE ARTS
Any student interested in exploring the Theatre Arts program is encouraged to take one or more of the following theatre courses during the first year: Theatre Arts 105, Introduction to the Theatre (fall/spring); Theatre Arts 115, Theatre Production (fall); Theatre Arts 120, Fundamentals of Acting (fall/spring); Theatre Arts 163, Introduction to Dance (fall); or Theatre Arts 203, History of Theatre (fall).

All students, regardless of being a prospective major, are encouraged to attend auditions during the first week of classes. There are also opportunities to work backstage. For more information, contact 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 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 290 and WGS 300 in the third year, and WGS 340 and WGS 400 in the senior year. *WGS 300 and 340 are both offered 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.

Most of 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 goals. For advising assistance over the summer, contact Joyce Sprague, Academic Administrative Assistant, at jsprague@gettysburg.edu.