Aerospace Studies (Air Force ROTC)
Biology
Chemistry
CU 1000
English
Mathematical Sciences
Military Leadership (Army ROTC)
Modern Languages
Music Courses and Tiger Band
AEROSPACE STUDIES (AIR FORCE ROTC)

CONTACT: Major Wayne Leneau, Director of Operations, 656-3673.
https://www.clemson.edu/business/departments/air-rotc/index.html/

FRESHMAN/NEW STUDENT ORIENTATION SESSION
Freshman/New Student Orientation is typically held on the Sunday prior to the first day of classes in the fall semester. Students who wish to participate in Air Force ROTC (AFROTC) should send an email with their contact information to AFROTCDET770-L@LISTS.CLEMSON.EDU at least one week prior to orientation to receive more detailed information. Students are also welcome to contact the department at 864-656-3254 with questions about Air Force ROTC or to make an appointment with a member of our staff. Students who wish to enter AFROTC after the beginning of fall classes should contact the department for specific instructions. Transfer students (or students who have already attended Clemson for more than one semester) who wish to join the Air Force ROTC program should contact an AFROTC faculty member at 864-656-3254 for individual guidance. In general, students need a minimum of six full-time semesters to complete the AFROTC program (eight full-time semesters are preferred).

SCHOLARSHIPS
In-college scholarship opportunities are available for Air Force ROTC cadets. Requirements for eligibility for an in-college scholarship are subject to change, but normally include: cumulative GPA of 3.00 or better (includes all college-level coursework), SAT score (math and verbal sections only) of 1180 or better OR ACT score of 26 or better, passing score on an Air Force fitness test, and completion of a certified Department of Defense physical exam.

REGISTERING FOR AIR FORCE ROTC COURSES
Air Force ROTC courses are open to all students who wish to seek a commission as a second lieutenant in the US Air Force upon graduation. Participation in Air Force ROTC requires registering for the applicable academic course and leadership laboratory each semester as well as attending two physical training sessions per week during the academic year. Students having difficulty registering for Air Force ROTC courses should be referred to the Department of Aerospace Studies in 300 Tillman Hall. Incoming freshmen for the fall semester will need to register for AS 1090 (class) and AS1091 (lab).

ACADEMIC REQUIREMENTS FOR AFROTC CADETS
Cadets who successfully complete the AFROTC program will earn a minor in Aerospace Studies upon graduation. All cadets must declare a major area of study upon entry into AFROTC. The Air Force prefers STEM degrees, but the student’s declared major can be any accredited major offered by the University. Upon enrollment in AFROTC, students are assigned a specific Date of Commissioning/Date of Graduation (DOC/DOG) by the Air Force. The DOC/DOG ensures the Air Force complies with its officer accession requirements and meets its Congressionally-mandated end strength. Cadets who cannot graduate by their assigned DOC/DOG risk disenrollment from the AFROTC program and may have to repay any scholarship and/or stipend monies received.

In general, cadets must complete their academic degrees within eight semesters. However, AFROTC adds 24 credit hours to a student’s academic plan. To accommodate this increased academic workload, the Air Force permits cadets enrolled in certain majors to take up to 10 semesters to earn a degree. The Air Force-approved “five-year” majors are:
** Cadets in these majors must have also completed the following courses: Calculus I & II (or a math minor), Statistics I, and Operations Research/Management Science. The Calculus and Statistics courses must come from the school’s Mathematics (or equivalent) Department (not Business, Social Sciences, etc.).

The Department of Aerospace Studies highly recommends that students enrolled in a technical or engineering major plan on completing their degrees in either 9 (at a minimum) or 10 semesters.

** ADVISING REQUIREMENTS FOR AFROTC CADETS

To ensure cadets meet Air Force requirements and remain on track for graduation/commissioning, they are required to fill out an Air Force Form 48 (Planned Academic Program) every semester they are enrolled in AFROTC, and they must meet with a member of the AFROTC faculty to review this form. The Form 48 lists, by semester, all courses taken and scheduled to be taken by the cadet. Per Air Force requirements, Forms 48 must be reviewed and signed off by an advisor in the cadet’s major degree program under the following circumstances:

- During the fall term of every academic year
- The cadet changes majors
- The cadet makes significant changes to his/her current academic plan

When reviewing the Form 48, advisors should understand the following:
- Advisor signatures are required in two places: on the front of the form (Block 4) and in the current semester block (e.g., if reviewing the fall 2017 semester, the advisor should also sign in the “University Advisor’s Signature” block in the fall 2017 semester). See figure on page III-22.
- The advisor’s signature means only (1) that the advisor has reviewed the academic plan and (2) that the cadet will graduate by the DOC/DOG listed in Block 5 as long as the cadet successfully completes the listed courses of study. Ultimately, it is the cadet’s responsibility to ensure the Form 48 is correct/complete and to graduate on time.
- **Advisors are not expected nor required to fill out the Form 48 for cadets.** Instead, cadets should come to the meeting with a proposed course of study. The advisor should advise the student regarding the feasibility of their proposed plan and, if needed, recommend modifications.

- **Advisors should reject claims of short-notice deadlines made by cadets (e.g., “I need my Form 48 filled out in one hour to meet Air Force requirements.”)** Cadets are well aware of the Form 48 requirement and are given ample time to schedule an appointment and meet with an advisor in advance. In the event a cadet cannot meet with an advisor prior to the Form 48 suspense date due to advisor workload/availability, AFROTC faculty will grant the cadet an extension.

- **Air Force cadets are required to attend Field Training during the summer between their sophomore and junior years.** In general, summer classes and internships should not be scheduled during this time to ensure the cadet can fulfill this mandatory Air Force requirement.
Figure: Form 48 Example with Advisor Signature Locations
BIOLOGY

CONTACT: Londan Means, LONDANM, 656-3604, 124 Long Hall

BIOL 1200 SERIES
These courses are designed for students in non-science majors. The purpose of these courses is to deepen students' understanding of selected topics in biology that directly affect them; to broaden their perspective on the scientific enterprise, including an understanding of the process of scientific inquiry; and to prepare them to analyze science-related issues as consumers and voters.

To meet the one-semester general education requirement for natural science with lab, students enroll in one of the lectures (BIOL 1220 or 1230) in combination with the lab (BIOL 1200). In addition, students who haven’t used BIOL 1220 or 1230 for the 4-credit natural science with lab requirement may take BIOL 1220 or 1230 lecture without the lab to fulfill the 3-credit math or natural science requirement. Professional schools (e.g., medical, pharmacy, dental, veterinary, etc.) will not accept these courses as fulfilling their biology requirement.

BIOL 1200 – Biological Inquiry Lab – 1 (0, 3). Required laboratory experience to accompany BIOL 1220 or 1230. Focuses on the process and outcomes of scientific inquiry. Students employ scientific methodology in a laboratory environment as well as critical analysis of biological problems in a small-group context. Coreq: BIOL 1220 or 1230.

BIOL 1220 – Keys to Biodiversity – 3 (3, 0). Introduction to scientific inquiry through analysis of biodiversity. Biological foundations for life are studied, including evolution, ecology, genetics, cells and molecules. Also includes discussion of ethical issues related to biodiversity. Credit toward a degree will be given for only one of BIOL 1220 or 1230.

BIOL 1230 – Keys to Human Biology – 3 (3, 0). Introduction to scientific inquiry through human biology. Considers biological processes occurring within humans and human impact on global biological processes. Interrelationships ultimately affecting evolution and diversity are explored. Credit toward a degree will be given for only one of BIOL 1220 or 1230.

BIOL 1030/1050
These courses are intended to fulfill general education or curricular requirements for students enrolled in science and health-related curricula, including the natural sciences, agriculture, forestry, science teaching, or health-related disciplines. Professional schools (e.g., medical, pharmacy, dental, veterinary, etc.) will accept BIOL1030/1050 plus BIOL 1040/1060 as fulfilling their biology requirement. BIOL 1030/1050 is an acceptable introductory course for all Biological Sciences and Microbiology degree programs and is recommended for the pre-pharmacy and pre-rehabilitation emphasis areas under Biological Sciences. However, BIOL 1100 is the recommended course for most Biological Sciences and all Microbiology, Genetics, and Biochemistry majors.

BIOL 1030 General Biology I – 3(3, 0) First course in a two-semester sequence. Includes an evolutionary approach to cells, cellular activities, genetics, and animal diversity, emphasizing the processes of science. Credit toward a degree will be given for BIOL 1030 or 1100 only. Includes Honors sections.

BIOL 1050 General Biology Lab I – 1(0, 3) Laboratory to accompany BIOL 1030. Emphasizes is on developing laboratory techniques, becoming familiar with biological instrumentation, and performing investigations and interpreting results in the areas of biochemistry, cell biology, molecular biology, and genetics. Prereq or concurrent enrollment: BIOL 1030.
BIOL 1100
This course is the recommended introductory biology course for students majoring in Biological Sciences, Biochemistry, Genetics, or Microbiology. Professional schools, e.g., medical, pharmacy, dental and veterinary, will accept BIOL 1100 plus BIOL 1110 as fulfilling their biology requirement.

**BIOL 1100 Principles of Biology I  5 (4, 3)**  Introductory course designed for students majoring in biological disciplines. Integrates lecture and laboratory and emphasizes a modern, quantitative, and experimental approach to explanations of structure, composition, dynamics, interactions, and evolution of cells and organisms. High school chemistry is recommended. Credit toward a degree will be given for either BIOL 1100 or 1030. Includes Honors sections. Coreq: BIOL 1101.

Note: Credit toward a degree will be given for either BIOL 1030/1050 or 1100 and for either BIOL 1040/1060 or 1110.
CHEMISTRY

CONTACT: Dennis Taylor, Director of General Chemistry, DFTAY, 656-2680 or Kris Coleman, Registration Coordinator, KCOLEM3, 656-3089

CH 1010 PREREQUISITE/CO-REQUISITE
To enroll in CH 1010, students should meet at least one of the following criteria:
- CMPT score of 60 or higher or
- Grade of “P” in CH 1040 or MATH 1050 or
- C or better in MATH 1010 or MATH 1020 or MATH 1030 or
- Concurrent enrollment in MATH 1040, 1060, 1080, 2060, 2080, or STAT 2300.

These requirements are intended to ensure that students enrolling in CH 1010 are adequately prepared for the course and have a reasonable chance of earning a “B” or better in the course which is important for scholarship reasons.

Comparison of CMPT scores to CH 1010 final grades from fall 2013 indicated that for students with CMPT scores below 60, the DFW rate was approximately 40%. Further, two-thirds of the remaining low CMPT students earned a grade of “C” for the course. In other words, very few of the low CMPT students performed well (earned a grade of “A” or “B”) in the course. In comparison, the DWF rate for all students was 20% with 57% earning a grade of “B” or better.

CH 1010 SECTION RESTRICTIONS

<table>
<thead>
<tr>
<th>CH 1010 Sections Nos.</th>
<th>Restriction</th>
</tr>
</thead>
<tbody>
<tr>
<td>001 to 014</td>
<td>No restrictions -- anyone can add!</td>
</tr>
<tr>
<td>050</td>
<td>Chemistry</td>
</tr>
<tr>
<td>051 &amp; 052</td>
<td>Honors students only</td>
</tr>
<tr>
<td>201-204</td>
<td>RiSE students only</td>
</tr>
</tbody>
</table>

HOLDING SECTIONS FOR ADVANCED PLACEMENT (AP) CREDIT & TRANSFER WORK
For a student with pending AP credit or transfer work from another institution, the following holding lecture sections have been created:

<table>
<thead>
<tr>
<th>Fall 2018 Chemistry Course</th>
<th>CRN for Holding Section</th>
</tr>
</thead>
<tbody>
<tr>
<td>CH 1010 (section 999)</td>
<td>90032</td>
</tr>
<tr>
<td>CH 1020 (section 999)</td>
<td>90035</td>
</tr>
<tr>
<td>CH 2230 (section 999)</td>
<td>90036</td>
</tr>
<tr>
<td>CH 2240 (section 999)</td>
<td>90038</td>
</tr>
</tbody>
</table>

What is a holding section?
A holding section is a faux section designed to provide us with a clear list of students who will need the course in the fall but do not currently meet the prerequisite. Registration Services has graciously stripped these particular sections of the prerequisite requirements. In return, the department has guaranteed that all students in a holding section will get a real seat upon meeting the course prerequisites.
What is the purpose of the holding sections?
These sections were created for two reasons:
1. Students can still secure a real seat in a real lab in fall 2019.
2. Students can add themselves to the lecture that best fits their schedule once prerequisites are recognized by iROAR.

What about lab?
When iROAR sees that the student is enrolled in a section of the lecture (in this case a holding section), it will then allow the student to add the lab section (a real lab section). These are real seats in a real lab that really meets in fall 2019.

When will students be added to a real lecture section?
Upon Clemson’s receipt of official transfer course work, IB credit, or AP credit, students should be able to move themselves in iROAR once the prerequisite credit is processed and entered into iROAR.

What if the student’s prerequisite proof has not been processed by Friday, August 16, 2019?
Students who have not provided prerequisite proof by Friday, August 16, 2019 will be dropped from the CH holding section AND the corresponding CH lab. To apply for an extension of the deadline, a student needs to contact Kris Coleman (KCOLEM3, 656-3089) with an explanation. Such requests will be evaluated on a case-by-case basis.

CHEMISTRY LECTURE AND LABORATORY RELATIONSHIP
General Chemistry lecture and lab, CH 1010/CH 1011 and CH 1020/1021, are co-requisites. A student enrolled in one must be enrolled in the other. A student who drops the lecture will be dropped from the lab and vice-versa.

Organic Chemistry lecture, CH 2230 or CH 2240, may be taken independently of the lab, CH 2270 or CH 2280. However, enrollment in the lab courses requires concurrent enrollment in the appropriate lecture or previous credit for the appropriate lecture. A student who is enrolled in both lecture and lab (CH 2230/CH 2270 or CH 2240/CH 2280) will be dropped from lab if he/she withdraws from the lecture. If the CH 2270 or CH 2280 lab is dropped, the student may remain in the CH 2230 or CH 2240 lecture.
CU 1000

CONTACT: Sue Whorton, WHORTON, 656-6211
www.clemson.edu/asc

CU 1000 is a zero-credit, pass/no pass course that all new Clemson students are required to complete during their first semester of enrollment. The purpose of CU 1000 is to introduce new students to Clemson’s student success resources and community standards and values. CU 1000 is a hybrid course – some modules are completed online while others require in-person attendance. Course assignments are completed and submitted in Canvas, Clemson’s online learning management system.

- All new freshman and transfer students are required to enroll in CU 1000
- Students register for CU 1000 during the summer orientation registration period
- Course syllabus and assignments are in Canvas
- Current required CU 1000 modules for freshman and transfer students:
  1. Mission: Transition (online; 2.5 hours) – instruction on student success resources
  2. Community Dialogue (in-person and online; 1.5 hours) – interactive dialogue exploring Clemson's core value of respect, the significance and salience of social identity, and the differences between dialogue and debate.
  3. Library Resources (online; 30 minutes) – instruction on library resources and plagiarism
  4. Aspire to Be Well (in-person; 70 minutes) – interactive dialogue exploring personal wellness and safety
  5. Academic Advising (online; 30 minutes) – instruction on academic advising-related processes, policies and expectations
  6. Our Nation’s Founding Documents (online; 1.25 hours) – instruction on the Declaration of Independence, Federalist Papers, and Constitution. Clemson University is required by state law to offer this module (SC statute 59-29-120)
  7. Community Standards (online; 3 hours) – instruction on Clemson’s student code of conduct and sexual assault prevention.
  8. Information Technology Security (online; 30 minutes) – instruction on practices for protecting one’s electronic identity and information.
- Additional required module for freshman students only
  9. Clemson Educational Profile (in person; 60 minutes) – completion of nationally-normed survey that measures proficiency in reading/writing, mathematics, and critical thinking.
ENGLISH

CONTACT: Cynthia Haynes, Director of First-Year Composition, TEXCYN, 656-3040

ENGLISH 1030

- Every student at Clemson must satisfy the first-year English composition requirement; ENGL 1030 fulfills this requirement.

During summer orientation, only those students enrolled in the following colleges are permitted to register for ENGL 1030 for the fall term:
- Agriculture, Forestry, and Life Sciences - all majors
- Architecture, Arts and Humanities - all majors
- Education – all majors
- Engineering, Computing, and Applied Science – all majors

Students enrolled in the following colleges should register for ENGL 1030 for the spring term:
- Behavioral, Social, and Health Sciences - all majors
- Business - all majors
- Science - all majors

- Students registering for ENGL 1030 will also register for ENGL 1031 (LAB). The lab is required.
- Students who do not need ENGL 1030 due to AP/IB credit or prior completion of ENGL 1030 equivalent do not need to register for the ENGL 1031 LAB.

ENGLISH 1010/1020 CREDIT

- Students who have credit for ENGL 1010 only MUST take ENGL 1030 to complete the English composition requirement.
- If a student has credit for both ENGL 1010 and 1020 from another institution, the student does not need to register for ENGL 1030. Three credits of ELECTIVE will be awarded for ENGL 1010 and three credits for ENGL 1030 will be awarded for ENGL 1020.
- If a student has credit for only ENGL 1020 from another institution, the course must be evaluated to determine whether 1) credit will be awarded for ENGL 1030; 2) the Clemson ENGL 1030 requirement will be waived; or 3) the student will need to enroll in ENGL 1030.

STUDENTS WITH AP /IB CREDIT

- Students who 1) have already scored a 5 on one of the AP Literature or Language exams, 2) scored a 3 or 4 on both the AP Literature and Language exams, or 3) scored a 7 on the IB English exam do not need to register for ENGL 1030.
- For students who are waiting form their scores, DO NOT ASSUME AP/IB CREDIT FOR ENGL 1030. Students can drop ENGL 1030 if credit is awarded later.

For AP/IB English credit policies, see pp. 86-89.
MATHEMATICS

CONTACT: Jennifer Van Dyken, Mathematical Sciences, JDYKEN, 656-1519.

CLEMSON MATH PLACEMENT TEST (CMPT) OVERVIEW

- The CMPT is used to meet the prerequisites for MATH 1010, 1020, 1040, 1060, 1150, STAT 2220, 2300, CH 1010, and ENGR 1020.
- **All new students are required to take the placement test, regardless of AP credit, transfer credit, or BRIDGE status.** To enroll in MATH 1060, students must have a CMPT score of 80 or higher. **There will be no overrides.**
- Students should complete the CMPT prior to their orientation session. If freshmen arrive on day one of orientation and need to take the CMPT to register the next day, tell them to complete it before 10:00 pm on Day 1. Information and a link to the CMPT can be found at: mthsc.clemson.edu/CMPT.
- The CMPT is administered using ALEKS (Assessment and LEarning in Knowledge Spaces). ALEKS is a powerful artificial-intelligence based assessment tool that zeroes in on the strengths and weaknesses of a student’s mathematical knowledge, reports its findings to the student, and if necessary, provides the student with a learning environment to bring the student’s knowledge up to an appropriate level for course placement.
- Students should go to the CMPT website and read the information provided. They can then click on a link which will connect them to the ALEKS website. Once a student has completed the CMPT, the student can then go back to the CMPT website and interpret the score.
- The CMPT may be taken up to 3 times. The highest score received will be used for placement. Attempt one may be taken at home with NO outside resources. Attempts 2 and 3, if needed, must be taken in a proctored environment at Clemson University. To sign up to take it for the second or third time, click the Go To ALEKS link on the CMPT website.
- After taking the test for the first time, students will have access to ALEKS learning modules. We strongly recommend that students work through some of these before taking the test again. These modules are designed to refresh students’ mathematical skills. ALEKS placement is an adaptive test. Once students complete their first assessment, ALEKS will suggest where to start in the learning modules. Students have free access to the learning modules for 6 months. The 6-month access to the learning modules begins once the student first accesses them. ALEKS may trigger an assessment while the student is working through the modules. This is so the software can assess student progress. It does NOT count as one of the permitted 3 attempts.
- Students will have 3 hours to complete the exam. The average completion time is 2 hours. If the student has a letter from Clemson’s Student Accessibility Services that supports special testing accommodations, and thinks they will need more than 3 hours to take the test, they should email Dr. Jennifer Van Dyken, jdyken@clemson.edu.

MEETING COURSE REQUIREMENTS

**Students should consult with their advisor to decide which course is appropriate for their major.** Relationships between typical first semester mathematical sciences courses at Clemson University and prerequisites are provided in the following table.
## ENGINEERING AND SCIENCE MAJORS REQUIRING MATH 1060

<table>
<thead>
<tr>
<th>Course</th>
<th>Prerequisite(s) &amp; Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1050 &amp; 1051 – Precalculus</td>
<td>No prerequisites – to be taken by students whose major requires MATH 1060, but who do not meet the prerequisites for MATH 1060 or 1040. Upon successful completion of MATH 1050/1051, the student may take MATH 1060.</td>
</tr>
<tr>
<td>MATH 1040 – Long Calculus</td>
<td>CMPT ≥ 65 or credit for any MATH or STAT course Students successfully completing MATH 1040 should take MATH 1070 the following semester. Completion of 1040 and 1070 are equivalent to MATH 1060.</td>
</tr>
<tr>
<td>MATH 1060 – Calculus I</td>
<td>CMPT ≥ 80</td>
</tr>
</tbody>
</table>

Note: MATH 1040 and 1050 are graded pass/no pass. Neither course satisfies the general education mathematics requirement for any Clemson major.

## MAJORS NOT REQUIRING MATH 1060

<table>
<thead>
<tr>
<th>Course</th>
<th>Prerequisite(s) &amp; Comments</th>
</tr>
</thead>
<tbody>
<tr>
<td>MATH 1990 &amp; 1991 – College Algebra</td>
<td>No prerequisites – to be taken by students who do not meet the prerequisites for the courses below. Upon successful completion of MATH 1990/1991, the student may take MATH 1010, 1020, 1150, STAT 2220 or STAT 2300.</td>
</tr>
<tr>
<td>MATH 1010 – Quantitative Literacy</td>
<td>CMPT ≥ 50 or credit for any MATH or STAT course</td>
</tr>
<tr>
<td>MATH 1020 – Business Calculus I</td>
<td>CMPT ≥ 60 or credit for any MATH or STAT course Typically taken by pre-business students and some science majors</td>
</tr>
<tr>
<td>MATH 1150 – Mathematics for Elementary School Teachers I</td>
<td>CMPT ≥ 50 or credit for any MATH or STAT course Restricted to elementary, early childhood and special education majors only</td>
</tr>
<tr>
<td>STAT 2220 – Statistics in Everyday Life</td>
<td>CMPT ≥ 50 or credit for any MATH or STAT course Also counts for the Science and Technology in Society general education requirement</td>
</tr>
<tr>
<td>STAT 2300 – Statistical Methods I</td>
<td>CMPT ≥ 65 or credit for any MATH or STAT course Student must also register for the corequisite lab, STAT 2301</td>
</tr>
</tbody>
</table>

Note: MATH 1990 is graded pass/no pass. It does not satisfy the general education mathematics requirement for any Clemson major.

**STUDENTS WILL NOT BE PERMITTED TO ENROLL IN A COURSE FOR WHICH THEY DO NOT MEET THE PREREQUISITE(S).**
MATH ADVANCED PLACEMENT AND TRANSFER CREDIT

Readiness assessment
- Students in MATH 1060, 1080, and 2060 will take a readiness assessment in class on the second day. The assessment will measure how prepared the students are to take the course for which they are registered. Based on the results of the assessment, students may choose to move down to MATH 1040, MATH 1060 or MATH 1080. Further information about the assessment and how to move down after the start of classes will be given in class.

- We have found that students coming in with transfer credit, and even AP Credit, aren’t always as ‘ready’ to take our calculus courses as their scores/grades indicate. It may be to the student’s advantage to not overreach during their first semester at Clemson. It is far better to review the material in MATH 1060 during the first semester and establish a firm foundation for future courses than to do poorly in MATH 1080, just because one has the credit for MATH 1060.

Recommendations for students coming in with AP Calculus credit
- AB Score of 3 or 4: Register for MATH 1060.

- AB Score of 5: Register for MATH 1080 but be prepared to move back to MATH 1060 after taking the Readiness Assessment.

- BC Score of 3: Use AB Subscore and follow recommendations for AB Score.

- BC Score of 4: Register for MATH 2060 but be prepared to move back to MATH 1080 after taking the Readiness Assessment.

- BC Score of 5: Register for MATH 2060.

Registering for courses before AP, IB or transfer credit is received by Clemson University
- If a student needs to register for MATH 1080, 2060, 2070, 2080, 3110, or STAT 3090, but their AP or transfer credit isn’t here yet, register for these classes using section 888. They will receive an email with instructions in mid-July and again before classes begin. In short: Those meeting the prerequisites will be moved to a real section that fits in with their course schedule before classes begin. If they do not get the credit they were expecting, they should drop themselves and register for the prerequisite course.

- If a student needs to register for another MATH or STAT course, but their AP or transfer credit isn’t here yet, they will need to wait for their credit to get here before registering for the course. **Overrides will NOT be provided without proof of meeting the prerequisites.**

- Students with AP or transfer credit for MATH 1060 who wish to take the course again at Clemson must complete the CMPT with a score of 80 or higher. An override will not be provided.
MILITARY LEADERSHIP (ARMY ROTC)

CONTACTS: Mr. Mark Samuelson, MSAMUE2, 656-2578, or Ms. Cathy Nickelson, CATHYN, 656-3107.
http://www.clemson.edu/cbbs/departments/army-rotc/

FRESHMAN/NEW STUDENT ORIENTATION SESSION
Freshman/New Student Orientation is held on the Tuesday prior to the first day of classes in the fall semester. Students who wish to participate in Army ROTC (AROTC) should contact the department at 864-656-2578 with questions about Army ROTC or make an appointment with a member of our staff. Students who wish to enter Army ROTC after the beginning of fall classes should contact the department for specific instructions.

REGISTRATION FOR ARMY ROTC COURSES
Army ROTC courses are open to all students who wish to seek a commission as a second lieutenant in the US Army upon graduation. Participation in Army ROTC requires registering for the applicable academic course and leadership laboratory each semester as well as attending two physical training sessions per week during the academic year. Students having difficulty registering for Army ROTC courses should be referred to the Department of Military Leadership in Johnstone Hall, next to the Post Office.

Incoming freshman for the fall semester will need to register for ML 1010 (class) and ML 1011 (lab). Transfer students (or students who have already attended Clemson for more than one semester) who wish to join the Army ROTC program should contact an Army ROTC faculty member at 864-656-2578 for individual guidance. In general, students need a minimum of four full-time semesters to complete the Army ROTC program (eight full-time semesters are preferred). Less than eight full-time semesters may require Cadets to attend a 30 day Army training camp during the summer.

Rising sophomores need to contact Mr. Mark Samuelson at msamue2@clemson.edu or at 656-2578 for more information.

ACADEMIC REQUIREMENTS FOR ARMY ROTC CADETS
Cadets who successfully complete the Army ROTC program will earn a Minor in Military Leadership upon graduation. All Cadets must declare a major area of study upon entry into Army ROTC. In general, the Army prefers STEM degrees, but the student’s declared major can be any accredited major offered by Clemson, to include the Nursing degree.

In general, Cadets must complete their academic degrees within eight semesters. However, Army ROTC adds 24 credit hours to a student’s academic plan. The Army-approved majors that can take more than eight semesters if required are:

<table>
<thead>
<tr>
<th>TECHNICAL</th>
<th>ENGINEERING</th>
</tr>
</thead>
<tbody>
<tr>
<td>Architecture</td>
<td>Bioengineering</td>
</tr>
<tr>
<td>Landscape Architecture</td>
<td>Chemical</td>
</tr>
<tr>
<td>Animal &amp; Veterinary Science</td>
<td>Civil</td>
</tr>
<tr>
<td>Biological Science</td>
<td>Computer</td>
</tr>
<tr>
<td>Computer Science</td>
<td>Electrical</td>
</tr>
<tr>
<td>Construction Science &amp; Management</td>
<td>Engineering Science</td>
</tr>
<tr>
<td>Food Science</td>
<td>Environmental</td>
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Upon enrollment in Army ROTC, students are assigned a Commissioning Date/Graduation Date by the Army. These dates ensure the Army complies with its officer accession requirements and meets its Congressionally-mandated end strength. Cadets who cannot graduate by their assigned commissioning date/graduation date risk disenrollment from the Army ROTC program and may have to repay any scholarship and/or stipend monies received.

ADVISING REQUIREMENTS FOR ARMY ROTC CADETS
To ensure Cadets meet Army requirements and remain on track for graduation/commissioning, they are required to fill out a Cadet Command Form 104R (Planned Academic Worksheet) every semester they are enrolled in Army ROTC. Additionally, they must meet with a member of the Army ROTC faculty to review this form. The 104R lists, by semester, all courses taken and scheduled to be taken by the cadet. Per Army requirements, Form 104Rs must be reviewed and signed off by an advisor in the Cadet’s major degree program under the following circumstances:
- Every semester of every academic year
- The Cadet changes majors
- The Cadet makes significant changes to his/her current academic plan

When reviewing the Form 104R, advisors should understand the following:
- Advisor signatures are required in one place: on the front of the form (Block 4).
- The advisor’s signature means only that (1) the advisor has reviewed the academic plan and (2) the cadet will graduate by the commissioning date/graduation date listed in Block 5 as long as the cadet successfully completes the listed courses of study. Ultimately, it is the cadet’s responsibility to ensure the Form 104R is correct/complete and to graduate on time.
- Advisors are not expected nor required to fill out the Form 104R for Cadets. Instead, Cadets should come to the meeting with a proposed course of study. The advisor should advise the student regarding the feasibility of their proposed plan and, if needed, recommend modifications.
- Advisors should reject claims of short-notice deadlines made by Cadets (e.g., “I need my Form 104R filled out in one hour to meet Army requirements.”) Cadets are well aware of the Form 104R requirement and are given ample time to schedule an appointment and meet with an advisor in advance. In the event a Cadet cannot meet with an advisor prior to the Form 104R suspense date due to advisor workload/availability, Army ROTC faculty will grant the Cadet an extension.
- Army Cadets are required to attend Cadet Summer Training during the summer between their junior and senior years. In general, summer classes and internships should not be scheduled during this time to ensure the Cadet can fulfill this mandatory Army requirement. However,
certain majors can be granted an exception so that the Cadet attends this camp at the end of their senior year if academic requirements dictate and it is scheduled on their 104R.
Advisor’s signature required

COURSE SPECIFIC ENROLLMENT
MODERN LANGUAGE PLACEMENT AND EXEMPTION

CONTACT: Ana Paula Miller, 715 Strode Tower, ana2@clemson.edu, 656-1670

MODERN LANGUAGE PLACEMENT TEST (MLPT) OVERVIEW

If a student's intended academic program requires a modern language (or if the student wishes to take a modern language course as an elective) and the student plans to take French, German, Spanish, or Russian to meet that requirement, the student must take the Clemson Modern Language Placement Test (MLPT) before registering for a language course. Native or heritage speakers of any language do not take the MLPT. They must interview with a professor to determine placement. Even if the student takes an AP or IB exam or the SAT II test, the student is still required to take the MLPT. The student does not have to take the MLPT if he/she is beginning a new language in which the student has no background. If, for any reason, the student thinks that he/she may change to a program in the future that requires a language, the student should take the MLPT so that the score is on file. Students are expected to begin their language course work at the recommended level based on the MLPT score. Any transfer student who is bringing in credit for a modern language from another institution and plans to continue in that same language is NOT required to take the MLPT. This student should simply register for the next course in the language sequence. All students who need to take the MLPT should do so before the first day of their Orientation session. The MLPT is a non-credit examination.

MODERN LANGUAGE PLACEMENT TEST INSTRUCTIONS FOR STUDENTS
FRENCH, GERMAN, SPANISH, AND RUSSIAN

The following text summarizes the instructions and other information provided to students regarding the MCPT:

WebCAPE is a placement test that assesses your language ability and assists you and your advisor in choosing the right level language course. It is multiple-choice and covers grammar, reading, and vocabulary. Please be aware that the test is designed to alternate between asking difficult and easier questions in order to determine your skill level. Do not be discouraged by the more difficult questions that you cannot answer. Make your best guess and go on to the next question. This on-line system is dual platform, so it works in both Windows and Mac environments.

When to take the exam:
Your exam MUST be completed prior to your scheduled orientation date. Completing the exam in a timely manner is essential so that you are able to register for the appropriate course level.

Preparing for the exam:
1. While your high school coursework and/or prior experience with the language should have prepared you for the exam, you are encouraged to refresh before logging in to take the exam.
2. You will need to create a proper test environment; that is, do not use reference materials and do not consult others to answer exam questions. You must comply with the Clemson Academic Integrity Policy.
3. Please allow for an hour to take the exam. While the amount of time to complete the exam is usually less than this, the number of questions you will be required to complete depends upon your ability to use the language.
4. You may only attempt the exam ONCE! While it is possible to log back into the exam, only your first attempt will be evaluated for placement purposes.

Accessing the exam:
1. Go to the following link: http://webcape.byuhtrsc.org/nwcregister.php?acct=clemson
2. Enter **tigers1** for the Password
3. Select the appropriate language
4. Complete the survey to the best of your ability.
   - Make sure you enter your complete first and last name (No nicknames)
   - Enter your Clemson ID number including the C (Ex. C12345678)
   - Enter your Clemson email address (Ex. jdoe@g.clemson.edu)
5. Take the exam. **Be sure to click on "Finished" at the end** so that your score is reported properly.
   - Remember, you may only attempt the exam ONCE! Only your first log-in will be evaluated. Be sure you are ready to complete the exam before you begin.
   - You will see one practice item. The real test begins immediately after you submit your response to the practice item.
   - **Do NOT use the “BACK” button** on your browser to navigate through the test. If you use your browser’s BACK button, your test will terminate without being scored.
   - At the end of the test you will see a page showing your name, email address, start and end times, a score, and placement recommendation. Save the score page as a file and print a copy.
   - If your test is interrupted for technical reasons, you can continue where you left off by immediately accessing the login page the same way you did to begin your test session. Repeat steps 1 – 3 above and enter your name, Clemson email address, and ID number exactly as you did when you started the test. Click on “Resume” and your test should continue from where you experienced the interruption.

**After the exam:**
1. Upon completion of the exam, you will be given your placement level.
2. This information will automatically be sent to Clemson.
3. Students who believe they were misplaced on the basis of the placement test score should get in touch with **Ana Paula Miller** at ana2@clemson.edu. Students may not place themselves or change their placement without departmental approval.
4. The department reserves the right to change the student’s placement if it believes that the student has not been placed at the most appropriate level.

**Academic integrity:**
Students should not receive any help, nor should they refer any texts or electronic sources of information during the online exam. It is expected that all students will maintain the highest level of academic integrity when taking any of the Modern Language Placement Tests. Specific details of the Clemson Academic Integrity policy can be found in the Undergraduate Catalog under the section entitled Academic Regulations. Students found in violation of this policy may be suspended or dismissed.

**SUMMER 2019 LANGUAGE PLACEMENT ADVISEMENT**
The Modern Language Placement Test is **mandatory** for students who plan to continue studying the language that they studied in high school. Students **MUST** have a copy of their results at registration. Students starting a new language will begin in 1010.

1. Students who have two (2) or more units of high school Spanish or French and/or who place into 1010 will take 1020. (For most students with this much language background the placement test results will simply tell us if they are eligible to take 2010 or higher.)

2. Students who have one unit of high school Spanish or French and/or who place into 1010 may take 1010.
3. Any student who insists that he or she is not ready for 1020 will have to take 1010 during the summer.

Students with complaints and questions should speak with one of the contacts listed above as soon as possible. Ana Paula Miller will be in the Vickery Hall computer lab during every orientation registration session.

**NOTE TO ACADEMIC ADVISORS**
If you are using a specific "curriculum map" that lists French or Spanish 1040, please use the above procedure for making any necessary adjustments or contact Ana Paula Miller at ana2@clemson.edu or 656-1670.

**MODERN LANGUAGE EXEMPTION CREDIT**
A grade of “C” or higher in any basic to intermediate language course taken at Clemson will earn students exemption credit for all lower level language courses below the course passed. Credit is awarded automatically for French, German and Spanish with validating courses through 2020.

For any other language or for validating courses at the 3000-4000 level, students must complete a Request for Exemption Credit form in the Department of Languages office (717 Strode Tower) after grades are reported. When information on the form is verified, a letter of credit is sent to the Office of Enrolled Student Services (104 Sikes) awarding the appropriate credit hours.

Reasons the Department of Languages will not award exemption credit:
- Request based on a language course taken at another college or university
- Exemption of courses based on placement at another college or university when credit for exempted course(s) does not appear on student’s transcript
- Request based on credit received from “Credit by Special Examination”
- Request for credit for a course that student has previously failed.
MUSIC COURSES FOR BANDS

CONTACT: Dr. Mark Spede, MSPEDE, 656-3380

TIGER BAND AUDITION VIDEOS ARE DUE IN MID JULY
INFORMATION CAN BE FOUND AT: CLEMSON.EDU/TIGERBAND

TIGER BAND: MUSC 3610
SYMPHONIC BAND: MUSC 3620
JAZZ ENSEMBLE: MUSC 3630

AUDITIONS FOR SYMPHONIC BAND AND JAZZ ENSEMBLE
TAKE PLACE THE FIRST WEEK OF EACH SEMESTER

PLEASE CONTACT DR. MARK SPEDE (MSPEDE@CLEMSON.EDU)
TO CLEAR TIME CONFLICTS WITH COMMON EXAMS