2018 – 2019 GENERAL EDUCATION

An undergraduate student whose enrollment in a curriculum occurs after May 15, 2005, must fulfill the general education requirements in effect at that time. If a student withdraws from the University and subsequently returns or does not remain continuously enrolled (summers excluded), the requirements in effect at the time of return will normally prevail. Any variation in curricular or general education requirements shall be considered under the curriculum year change or the substitution procedure.

Mission Statement

Academic institutions exist for the transmission of knowledge, the pursuit of truth, the intellectual and ethical development of students, and the general well-being of society. Undergraduate students must be broadly educated and technically skilled to be informed and productive citizens. As citizens, they need to be able to think critically about significant issues. Students also need to be prepared to complete undergraduate work and a major course of study.

The mission requires a high level of knowledge about and competence in the following areas:

General Education Competencies

A. Arts and Humanities

Demonstrate an ability to analyze and/or interpret the arts and humanities.

B. Mathematics

Demonstrate mathematical literacy through solving problems, communicating concepts, reasoning mathematically, and applying mathematical or statistical methods, using multiple representations where applicable.

C. Natural Sciences

Demonstrate the process of scientific reasoning by performing an experiment and thoroughly discussing the results with reference to the scientific literature, or by studying a question through critical analysis of the evidence in the scientific literature.

D. Social Sciences

Describe and explain human actions using social science concepts and evidence.

E. Cross-Cultural Awareness

Explain how aspects of culture are integrated into a comprehensive worldview; and then demonstrate how culture influences human behavior.

F. Science and Technology in Society

Demonstrate an understanding of issues created by the complex interactions among science, technology, and society.

G. Communication

Effective oral and written communication is the means by which all competencies will be demonstrated.

H. Critical Thinking

Demonstrate the ability to assemble information relevant to a significant, complex issue, evaluate the quality and utility of the information, and use the outcome of the analysis to reach a logical conclusion about the issue.

I. Ethical Judgment

Demonstrate an ability to identify, comprehend, and deal with ethical problems and their ramifications in a systematic, thorough, and responsible way.

REQUIREMENTS—33 credit hours

To meet general education competencies, 33 total credit hours are required, distributed as follows: I. General Education Coursework-31 credit hours; II. Distributed Coursework-2 credit hours.

I. General Education Coursework—31 hours required

General education requirements in some curricula are more restrictive than those shown below. Science and Technology in Society and Cross-Cultural Awareness requirements may be satisfied by other General Education courses, as indicated in the footnotes below, as long as the student completes a total of 31 hours in area I. and satisfies requirements A-F below:

A. Communication: at least 6 credits

English Composition 3 credits
ENGL 1030 - Composition and Rhetoric (ENGL 1020 for transfer students) 3 Credits
Oral Communication 3 credits
COMM 1500 - Introduction to Human Communication 3 Credits
COMM 2500 - Public Speaking 3 Credits
HON 2230 - Studies in Communications 3 Credits
Or an approved cluster of courses such as:
AS 3090 - Air Force Leadership and Management I 4 Credits
AS 3100 - Air Force Leadership and Management II 4 Credits
AS 4090 - National Security Policy I 4 Credits
AS 4100 - National Security Policy II 4 Credits
or
ML 1010 - Leadership Fundamentals I 2 Credits
ML 1020 - Leadership Fundamentals II 2 Credits

Note: May be satisfied either by the courses above or by an approved departmental cluster of courses, see II. Distributed Coursework. Students taking clusters must still earn at least 31 hours from the General Education Coursework list.

B. Mathematical, Scientific, and Technological Literacy: at least 10 credits

Mathematics 3 credits

MATH 1010 - Essential Mathematics for the Informed Society 3 Credits
MATH 1020 - Business Calculus I 3 Credits
MATH 1060 - Calculus of One Variable I 4 Credits
MATH 1070 - Differential and Integral Calculus 4 Credits
MATH 1080 - Calculus of One Variable II 4 Credits
MATH 2070 - Business Calculus II 3 Credits
STAT 2220 - Statistics in Everyday Life 3 Credits [1]
STAT 2300 - Statistical Methods I 3 Credits
STAT 3090 - Introductory Business Statistics 3 Credits
STAT 3300 - Statistical Methods II 3 Credits
Note: For Early Childhood Education, Elementary Education, and Special Education majors only, the approved cluster of MATH 1150, MATH 1160 and MATH 2160 satisfies the requirement.

Natural Science with Lab 4 credits

ASTR 1010 - Solar System Astronomy 3 Credits ***and***
ASTR 1030 - Solar System Astronomy Laboratory 1 Credit
ASTR 1020 - Stellar Astronomy 3 Credits ***and***
ASTR 1040 - Stellar Astronomy Laboratory 1 Credit
BIOL 1030 - General Biology I 3 Credits ***and***
BIOL 1050 - General Biology Laboratory I 1 Credit
BIOL 1040 - General Biology II 3 Credits ***and***
BIOL 1060 - General Biology Laboratory II 1 Credit
BIOL 1090 - Introduction to Life Science 4 Credits
BIOL 1100 - Principles of Biology I 5 Credits
BIOL 1110 - Principles of Biology II 5 Credits
BIOL 1200 - Biological Inquiry Laboratory 1 Credit ***and***
BIOL 1220 - Keys to Biodiversity 3 Credits
BIOL 1200 - Biological Inquiry Laboratory 1 Credit ***and***
BIOL 1230 - Keys to Human Biology 3 Credits
CH 1010 - General Chemistry 4 Credits
CH 1020 - General Chemistry 4 Credits
CH 1050 - Chemistry in Context I 4 Credits [1]
CH 1060 - Chemistry in Context II 4 Credits [1]
GEOL 1010 - Physical Geology 3 Credits ***and***
GEOL 1030 - Physical Geology Laboratory 1 Credit
GEOL 1120 - Earth Resources 3 Credits [1] ***and***
GEOL 1140 - Earth Resources Laboratory 1 Credit
GEOL 2020 - Earth History 4 Credits
PHSC 1070 - Introduction to Earth Science 4 Credits
PHSC 1080 - Introduction to Physical Science 4 Credits
PHSC 1170 - Introduction to Chemistry and Earth Science, 4 Credits
(for Elementary Education Majors)
PHSC 1180 - Introduction to Physics, Astronomy, and Earth Science 4 Credits
(for elementary education majors)
PHYS 1220 - Physics with Calculus I 3 Credits ***and***
PHYS 1240 - Physics Laboratory I 1 Credit
PHYS 2000 - Introductory Physics 4 Credits

PHYS 2070 - General Physics I 3 Credits ***and***
PHYS 2090 - General Physics I Laboratory 1 Credit
PHYS 2080 - General Physics II 3 Credits ***and***
PHYS 2100 - General Physics II Laboratory 1 Credit
PHYS 2210 - Physics with Calculus II 3 Credits ***and***
PHYS 2230 - Physics Laboratory II 1 Credit
PHYS 2220 - Physics with Calculus III 3 Credits ***and***
PHYS 2240 - Physics Laboratory III 1 Credit

Mathematics or Natural Science 3 credits
Any general education Mathematics or Natural Science course or:
BIOL 2000 - Biology in the News 3 Credits [1]
BIOL 2010 - Biotechnology and Society 3 Credits [1]
BIOL 2030 - Human Disease and Society 3 Credits [1]
BIOL 2040 - Environment, Energy and Society 3 Credits [1]
BIOL 2100 - Evolution and Creationism 3 Credits [1]
BIOL 2200 - Biology: Concepts, Issues, and Values 3 Credits [1]
ENSP 2000 - Introduction to Environmental Science 3 Credits [1]
ENSP (PES) 3150 - Environment and Agriculture 3 Credits [1]
ENT 2000 - Six-Legged Science 3 Credits [1]
GEOL 1200 - Natural Hazards 3 Credits
GEOL 3000 - Environmental Geology 3 Credits [1]
PES (ENSP) 3150 - Environment and Agriculture 3 Credits [1]
PHYS 2400 - Physics of the Weather 3 Credits
PHYS 2450 - Physics of Global Climate Change 3 Credits [1]
PHYS 2800 - Physics and Reality 3 Credits
PLPA 2130 - Fungi and Civilization 3 Credits [1]
STS 2160 - Critical Analysis of a Current STS Issue 3 Credits [1]

C. Arts and Humanities: at least 6 credits

Literature 3 credits
Any 2000-level ENGL literature course or any of the other courses listed
ENGL 2020 - The Major Forms of Literature 3 Credits
ENGL 2120 - World Literature 3 Credits
ENGL 2130 - British Literature 3 Credits
ENGL 2140 - American Literature 3 Credits
ENGL 2150 - Literature in 20th- and 21st-Century Contexts 3 Credits
CHIN 4010 - Pre-Modern Chinese Literature in Translation 3 Credits
FR 3000 - Survey of French Literature 3 Credits
FR 3040 - French Short Story 3 Credits
GER 2600 - Selected Topics in German Literature 3 Credits
GER 3060 - The German Short Story 3 Credits
GER 3600 - German Literature to 1832 3 Credits
GER 3610 - German Literature from 1832 to Modernism 3 Credits
HON 1900 - Freshman Colloquium: Arts and Humanities (Literature) 3 Credits
HON 2210 - Studies in Literature 3 Credits
ITAL 3010 - Introduction to Italian Literature 3 Credits
ITAL 3020 - Modern Italian Literature 3 Credits
JAPN 4010 - Japanese Literature in Translation 3 Credits
JAPN 4060 - Introduction to Japanese Literature 3 Credits
RUSS 3600 - Russian Literature to 1910 3 Credits
RUSS 3610 - Russian Literature Since 1910 3 Credits

SPAN 3040 - Introduction to Hispanic Literary Forms 3 Credits
SPAN 3110 - Survey of Spanish-American Literature 3 Credits
SPAN 3130 - Survey of Spanish Literature I 3 Credits

Non-Literature 3 credits

AAH 1010 - Survey of Art and Architectural History I 3 Credits
ART 2100 - Art Appreciation 3 Credits [2]
ART 3750 - Writing for the Arts in Charleston 3-6 Credits
ASL 3050 - Deaf Studies in the United States 3 Credits [2]
CAAH 2010 - Cultural Literacies Across Media 3 Credits
CHIN (PHIL) 3120 - Philosophy in Ancient China 3 Credits
CHIN (PHIL) 3130 - Philosophy in Modern China 3 Credits
CHIN (PHIL) 4140 - Philosophy in Medieval China 3 Credits
CHIN 4990 - Selected Topics in Chinese Culture 3 Credits
COMM 1800 - Introduction to Cross-Cultural Communication 3 Credits
COMM 3030 - Communication Law and Ethics 3 Credits
COMM 3080 - Public Communication and Popular Culture 3 Credits
COMM 3090 - Visual Discourse and the Public 3 Credits
COMM 4020 - Mass Communication: History and Criticism 3 Credits
ENGL (GW) 3010 - Great Books of the Western World 3 Credits
ENGL 3550 - Global Studies in Popular Culture 3 Credits
ENGL (WCIN) 3570 - Film 3 Credits
ENGL (LANG, WCIN) 4540 - Selected Topics in International Film 3 Credits
FR 3070 - French Civilization 3 Credits
GER 3400 - German Culture 3 Credits
GW (ENGL) 3010 - Great Books of the Western World 3 Credits
GW 4050 - The Darwinian Revolution 3 Credits
HON 1910 - Freshman Colloquium: Arts and Humanities (Non-Literature) 3 Credits
HON 2010 - Structures and Society 3 Credits [1]
HON 2030 - Society, Art, and Humanities 3 Credits
HON 2100 - Experiencing the Arts 3 Credits
HON 2220 - Studies in Arts and Humanities 3 Credits
HUM 3010 - Humanities 3 Credits
HUM 3020 - Humanities 3 Credits
HUM 3060 - Creative Genius in Western Culture 3 Credits
HUM 3090 - Studies in Humanities 3 Credits [2]
JAPN 3070 - Japanese Civilization I 3 Credits
JAPN 3080 - Japanese Civilization II 3 Credits
LANG 3400 - Cosmopolis: The Myth of the City 3 Credits
LANG 3420 - Sacred and Profane Bodies 3 Credits
LANG 3560 - Faces of Evil 3 Credits
LANG (ENGL, WCIN) 4540 - Selected Topics in International Film 3 Credits
LARC 1160 - History of Landscape Architecture 3 Credits [1]
MUSC 2100 - Music Appreciation: Music in the Western World 3 Credits [2]
MUSC (THEA) 3080 - Survey of Broadway Musicals I 3 Credits
MUSC (THEA) 3090 - Survey of Broadway Musicals II 3 Credits
MUSC 3110 - History of American Music 3 Credits
MUSC 3120 - History of Jazz 3 Credits
MUSC 3130 - History of Rock and Roll 3 Credits
MUSC 3140 - World Music 3 Credits [2]
MUSC 3170 - History of Country Music 3 Credits

MUSC 3610 - Marching Band 1 Credit
MUSC 3620 - Symphonic Band 1 Credit
MUSC 3630 - Jazz Ensemble 1 Credit
MUSC 3640 - Concert Band 1 Credit
MUSC 3690 - Symphony Orchestra 1 Credit
MUSC 3700 - Clemson University Singers 1 Credit
MUSC 3710 - Women's Chorus 1 Credit
MUSC 3720 - Men's Chorus 1 Credit
PHIL 1010 - Introduction to Philosophic Problems 3 Credits
PHIL 1020 - Introduction to Logic 3 Credits
PHIL 1030 - Introduction to Ethics 3 Credits
PHIL 1240 - Technology and Its Discontents 3 Credits [1]
PHIL 2100 - Evolution and Creation 3 Credits [1]
PHIL (CHIN) 3120 - Philosophy in Ancient China 3 Credits
PHIL (CHIN) 3130 - Philosophy in Modern China 3 Credits
PHIL 3160 - Modern Philosophy 3 Credits
PHIL 3170 - Nineteenth-Century Philosophy 3 Credits
PHIL 3180 - Twentieth-Century Philosophy 3 Credits
PHIL 3230 - Theory of Knowledge 3 Credits
PHIL 3240 - Philosophy of Technology 3 Credits [1]
PHIL 3250 - Philosophy of Science 3 Credits
PHIL 3260 - Science and Values 3 Credits [1]
PHIL 3270 - Philosophy of Social Science 3 Credits
PHIL 3440 - Business Ethics 3 Credits
PHIL 3450 - Environmental Ethics 3 Credits [1]
PHIL (CHIN) 4140 - Philosophy in Medieval China 3 Credits
REL 1010 - Introduction to Religion 3 Credits [2]
REL 1020 - World Religions 3 Credits [2]
REL 3010 - The Old Testament 3 Credits
REL 3020 - Survey of New Testament Literature 3 Credits
REL 3030 - The Quran 3 Credits
REL 3060 - Judaism 3 Credits
REL 3070 - The Christian Tradition 3 Credits
REL 3090 - The Religious History of the American South 3 Credits
REL 3120 - Hinduism 3 Credits
REL 3130 - Buddhism 3 Credits
REL 3150 - Islam 3 Credits
REL 3350 - Islam and the West 3 Credits
RUSS 3400 - Russian Culture of the Nineteenth Century 3 Credits
SPAN 3070 - The Hispanic World: Spain 3 Credits
SPAN 3080 - The Hispanic World: Latin America 3 Credits
STS 1010 - Survey of Science and Technology in Society 3 Credits [1]
STS 1020 - Ideas, Machinery, and Society 3 Credits [1]
STS 2150 - A Critical Approach to the Global Challenge of Technological Revolutions 3 Credits [1]
STS 3010 - Science in Context 3 Credits [1]
STS 3030 - Technology, Culture and Society 3 Credits [1]
THEA 2100 - Theatre Appreciation 3 Credits
THEA 2790 - Theatre Practicum 1 Credits
THEA (MUSC) 3080 - Survey of Broadway Musicals I 3 Credits
THEA (MUSC) 3090 - Survey of Broadway Musicals II 3 Credits
THEA 3150 - Theatre History I 3 Credits

THEA 3160 - Theatre History II 3 Credits
THEA 3170 - African-American Theatre I 3 Credits
WS 3010 - Introduction to Women's Studies: Women's Lives 3 Credits
WCIN (ENGL) 3570 - Film 3 Credits
WCIN (ENGL, LANG) 4540 - Selected Topics in International Film 3 Credits

D. Social Sciences: at least 6 credits

Selected from two different fields 6 credits
AGRB 2020 - Agricultural Economics 3 Credits
ANTH 2010 - Introduction to Anthropology 3 Credits [2]
ECON 2000 - Economic Concepts 3 Credits
ECON 2110 - Principles of Microeconomics 3 Credits
ECON 2120 - Principles of Macroeconomics 3 Credits
GEOG 1010 - Introduction to Geography 3 Credits
GEOG 1030 - World Regional Geography 3 Credits
GEOG 1060 - Geography of the Physical Environment 4 Credits
HIST 1010 - History of the United States 3 Credits
HIST 1020 - History of the United States 3 Credits
HIST 1220 - History, Technology, and Society 3 Credits [1]
HIST 1240 - Environmental History Survey 3 Credits [1]
HIST 1720 - The West and the World I 3 Credits [2]
HIST 1730 - The West and the World II 3 Credits [2]
HIST 1930 - Modern World History 3 Credits [2]
HON 1920 - Freshman Colloquium: Social Science 3 Credits
HON 2020 - Science, Culture, and Human Values 3 Credits
HON 2200 - Studies in Social Science 3 Credits
PAS 3010 - Introduction to Pan African Studies 3 Credits [2]
POSC 1010 - American National Government 3 Credits
POSC 1020 - Introduction to International Relations 3 Credits [2]
POSC 1030 - Introduction to Political Theory 3 Credits
POSC 1040 - Introduction to Comparative Politics 3 Credits [2]
PSYC 2010 - Introduction to Psychology 3 Credits
PSYC 2500 - Pursuing Happiness 3 Credits [2]
PSYC 2750 - Applied Psychology and Transportation 3 Credits [1]
RS 3010 - Rural Sociology 3 Credits
SOC 2010 - Introduction to Sociology 3 Credits
SOC 2020 - Social Problems 3 Credits

Note: AGRB and ECON are considered the same field.
Note: Science and Technology in Society and Cross-Cultural Awareness requirements may be satisfied by other General Education courses, as indicated in the footnotes on page III-10, as long as the student completes a total of 31 hours in Area I.

E. Cross-Cultural Awareness: at least 3 credits

AAH 1020 - Survey of Art and Architectural History II 3 Credits
AGRB 2050 - Agriculture and Society 3 Credits [1]
ANTH 2010 - Introduction to Anthropology 3 Credits
ART 2100 - Art Appreciation 3 Credits
ASL 3050 - Deaf Studies in the United States 3 Credits
CAAH 2010 - Cultural Literacies Across Media 3 Credits

COMM 1800 - Introduction to Cross-Cultural Communication 3 Credits
GEOG 1030 - World Regional Geography 3 Credits
HIST 1720 - The West and the World I 3 Credits
HIST 1730 - The West and the World II 3 Credits
HIST 1930 - Modern World History 3 Credits
HON 1930 - Freshman Colloquium: Cross-Cultural Awareness 3 Credits
HON 2090 - Border Crossings: Experiences in World Cultures 1-3 Credits
HUM 3090 - Studies in Humanities 3 Credits
IS 1010 - Cross-Cultural Awareness International Experience 0 Credits
IS 2100 - Selected Topics in International Studies 3 Credits
LANG 2500 - Introduction to World Languages 3 Credits
LANG 2540 - Introduction to World Cinemas 3 Credits
MUSC 2100 - Music Appreciation: Music in the Western World 3 Credits
MUSC 3140 - World Music 3 Credits
PAS 3010 - Introduction to Pan African Studies 3 Credits
POSC 1020 - Introduction to International Relations 3 Credits
POSC 1040 - Introduction to Comparative Politics 3 Credits
PSYC 2500 - Pursuing Happiness 3 Credits
REL 1010 - Introduction to Religion 3 Credits
REL 1020 - World Religions 3 Credits
WS 1030 - Women in Global Perspective 3 Credits *or* Through a University-approved cross-cultural experience

F. Science and Technology in Society: at least 3 credits

AGED (EDF) 4800 - Foundations of Digital Media and Learning 3 Credits
AGRB 2050 - Agriculture and Society 3 Credits [2]
AGRB (ECON) 4570 - Natural Resource Use, Technology and Policy 3 Credits
AVS 3150 - Animal Welfare 3 Credits
AVS 4150 - Contemporary Issues in Animal Science 3 Credits
BIOL 2000 - Biology in the News 3 Credits
BIOL 2010 - Biotechnology and Society 3 Credits
BIOL 2030 - Human Disease and Society 3 Credits
BIOL 2040 - Environment, Energy and Society 3 Credits
BIOL 2100 - Evolution and Creationism 3 Credits
BIOL 2110 - Introduction to Toxicology 3 Credits
BIOL 2200 - Biology: Concepts, Issues, and Values 3 Credits
BIOL 4730 - History of Modern Biology 3 Credits
CH 1050 - Chemistry in Context I 4 Credits
CH 1060 - Chemistry in Context II 4 Credits
COMM 1070 - Media Representations of Science and Technology 3 Credits
COMM 3070 - Public Communication of Science and Technology 3 Credits
CPSC 2920 - Computing, Ethics and Global Society 3 Credits
CTE 1150 - Contemporary Technological Problems 3 Credits
CTE 2210 - Exploring Technology 3 Credits
ECE 1010 - Robots in Business and Society 3 Credits
ECON 3190 - Environmental Economics 3 Credits
ECON (AGRB) 4570 - Natural Resource Use, Technology, and Policy 3 Credits
EDF (AGED) 4800 - Foundations of Digital Media and Learning 3 Credits
ENGL 3490 - Technology and the Popular Imagination 3 Credits
ENGR 2200 - Evaluating Innovations: Fixtures, Fads and Flops 3 Credits

ENGR 2210 - Technology, Culture and Design 3 Credits
ENR 3120 - Environmental Risks and Society 3 Credits
ENR (FOR) 4160 - Forest Policy and Administration 3 Credits
ENSP 1250 - Sustainable Resource Use 3 Credits
ENSP 2000 - Introduction to Environmental Science 3 Credits
ENSP (PES) 3150 - Environment and Agriculture 3 Credits
ENSP 4000 - Studies in Environmental Science 3 Credits
ENT 2000 - Six-Legged Science 3 Credits
FDSC 2140 - Food Resources and Society 3 Credits
FOR (ENR) 4160 - Forest Policy and Administration 3 Credits
GEOL 1120 - Earth Resources 3 Credits
GEOL 1200 - Natural Hazards 3 Credits
GEOL (ENSP) 1250 - Sustainable Resource Use 3 Credits
GEOL 2700 - Experiences in Sustainable Development: Water 3 Credits
GEOL 3000 - Environmental Geology 3 Credits
HCG (NURS) 3330 - Health Care Genetics 3 Credits
HIST 1220 - History, Technology, and Society 3 Credits
HIST 1240 - Environmental History Survey 3 Credits
HIST 3210 - History of Science 3 Credits
HIST 3220 - History of Technology 3 Credits
HIST 3230 - History of American Technology 3 Credits
HIST 3920 - History of the Environment of the United States 3 Credits
HIST 4240 - Topics in History of Medicine and Health 3 Credits
HIST 4910 - Studies in the History of Science and Technology 3 Credits
HLTH 4310 - Public and Environmental Health 3 Credits
HON 1940 - Freshman Colloquium: Science and Technology in Society 3 Credits
HON 2010 - Structures and Society 3 Credits
HON 2060 - Controversies in Science and Technology 3 Credits
IE 4880 - Human Factors Engineering 3 Credits
LARC 1160 - History of Landscape Architecture 3 Credits
MATH 2190 - Introduction to Cryptography 3 Credits
MKT 4450 - Macromarketing 3 Credits
MUSC 3180 - History of Audio Technology 3 Credits
NURS 1400 - Computer Applications in Nursing 3 Credits
NURS (HCG) 3330 - Health Care Genetics 3 Credits
NUTR 2030 - Introduction to Principles of Human Nutrition 3 Credits
NUTR 2100 - Nutrition and Physical Activity 3 Credits
PES (ENSP) 3150 - Environment and Agriculture 3 Credits
PES 4760 - Sustainable Food Systems Towards Global Food Security 3 Credits
PHIL 1240 - Technology and Its Discontents 3 Credits
PHIL 2100 - Evolution and Creation 3 Credits
PHIL 3240 - Philosophy of Technology 3 Credits
PHIL 3260 - Science and Values 3 Credits
PHIL 3280 - Philosophy and Technology of the Body 3 Credits
PHIL 3400 - Technology, Environment, and Sustainability 3 Credits
PHIL 3450 - Environmental Ethics 3 Credits
PHYS 2450 - Physics of Global Climate Change 3 Credits
PKSC 3680 - Packaging and Society 3 Credits
PLPA 2130 - Fungi and Civilization 3 Credits
PRTM 2110 - Impacts of Technology and Science in the Context of Play, Recreation and Tourism 3 Credits

PSYC 2750 - Applied Psychology and Transportation 3 Credits
RS (SOC) 4010 - Human Ecology 3 Credits
SOC (RS) 4010 - Human Ecology 3 Credits
SOC 4030 - Technology, Environment, and Society 3 Credits
STAT 2220 - Statistics in Everyday Life 3 Credits
STS 1010 - Survey of Science and Technology in Society 3 Credits
STS 1020 - Ideas, Machinery, and Society 3 Credits
STS 1200 - Topics in Science and Technology in Society 3 Credits
STS 1710 - Scientific Skepticism 3 Credits
STS 2150 - A Critical Approach to the Global Challenge of Technological Revolutions 3 Credits
STS 2160 - Critical Analysis of a Current STS Issue 3 Credits
STS 3010 - Science in Context 3 Credits
STS 3030 - Technology, Culture and Society 3 Credits
STS 4980 - Creative Inquiry 1-3 Credits
STS 4990 - Independent Study 1-3 Credits

[1]This course also satisfies the Science and Technology in Society Requirement.

[2]This course also satisfies the Cross-Cultural Awareness Requirement.

II. Distributed Coursework: 2 credits

A. Academic and Professional Development: at least 2 credits

Departmental courses approved by the Undergraduate Curriculum Committee addressing the general academic and professional development of the student.

B. Distributed Competencies Coursework

Courses in general education and the disciplines incorporate critical thinking, ethical judgment, and both written and oral communication skills into the curriculum. Some curricula use a cluster of courses to meet the oral communication competency.

GENERAL EDUCATION COURSE LIST

* For the Social Science requirement, two courses from different fields must be selected.

** Courses in italics are worth one credit. Any combination can be used to meet the three-credit requirement.

Abbr.	Course Title	Hum. Lit. (3 credits)	Hum. Non-Lit. (3 credits)	Soc. Sci. (6 credits*)	CCA (3 credits)	STS (3 credits)
AAH 1010	Survey of Art & Arch. Hist. I		•			
AAH 1020	Survey of Art and Architectural History II				•	
AGED 4800	Foundations of Digital Media					•
AGRB 2020	Agricultural Economics			•		
AGRB 2050	Agriculture and Society				•	•
AGRB 4570	Nat. Res., Econ. Theory & Policy					•
ANTH 2010	Introduction to Anthropology			•	•	
ART 2100	Intro. to Art and Architecture		•		•	
ART 3750	Writing for the Arts in Charleston		•			
ASL 3050	Deaf Studies in the US		•		•	
AVS 3150	Animal Welfare					•
AVS 4150	Contemp. Issues in Animal Science					•
BIOL 2000	Biology in the News					•
BIOL 2010	Biotechnology & Society					•
BIOL 2030	Human Disease and Society					•
BIOL 2040	Environmental, Energy and Society					•
BIOL 2100	Evolution and Creationism					•
BIOL 2110	Introduction to Toxicology					•
BIOL 2200	Biology: Concepts, Issues, & Values					•
BIOL 4730	History of Modern Biology					•
CAAH 2010	Cultural Literacies Across Media		•		•	
CH 1050	Beginning Gen'l & Organic Chem.					•
CH 1060	Continuation of CH 1050					•
CHIN 4010	Pre-Modern Chin. Lit. in Trans.	•				
CHIN 4990	Selected Topics in Chinese Culture		•			
COMM 1070	Media Science & Technology In Society					•
COMM 1800	Intro to Cross-Cultural Communication		•		•	
COMM 3030	Communication Law & Ethics		•			
COMM 3070	Public Comm. of Science & Tech.					•
COMM 3080	Public Comm. & Pop. Culture		•			
COMM 3090	Visual Discourse & Public		•			
COMM 4020	Mass Comm. Hist. & Criticism		•			
CPSC 2920	Computing, Ethics and Global Society					•
CTE 1150	Contemporary Technological Problems					•
CTE 2210	Exploring Technology					•
ECE 1010	Robots in Business and Society					•
ECON 2000	Economic Concepts			•		
ECON 2110	Principles of Microeconomics			•		

Abbr.	Course Title	Hum. Lit. (3 credits)	Hum. Non-Lit. (3 credits)	Soc. Sci. (6 credits*)	CCA (3 credits)	STS (3 credits)
ECON 2120	Principles of Macroeconomics			•		
ECON 3190	Environmental Economics					•
ENGL 2***	Any 2000-level English Lit.	•				
ENGL 3490	Technology & Popular Imagination					•
ENGL 3550	Popular Culture		•			
ENGL 3570	Film		•			
ENGR 2200	Evaluating Innovations, Fads, and Flops					•
ENGR 2210	Technology, Culture, and Design					•
ENR 3120	Environmental Risks & Society					•
ENR (FOR) 4160	Forest Policy and Administration					•
ENSP 1250	Sustainable Resource Use					•
ENSP 2000	Intro. to Environmental Science					•
ENSP 3150	Environment and Agriculture					•
ENSP 4000	Studies in Environmental Science					•
ENT 2000	Six-Legged Science					•
FDSC 2140	Food Resources and Society					•
FR 3000	Survey of French Lit.	•				
FR 3040	French Short Story	•				
FR 3070	French Civilization		•			
GEOG 1010	Introduction to Geography			•		
GEOG 1030	World Regional Geography			•	•	
GEOG 1060	Geog. of the Physical Environment			•		
GEOL 1120	Earth Resources					•
GEOL 1200	Natural Hazards					•
GEOL 1250	Sustainable Resource Use					•
GEOL 2700	Sustainable Water					•
GEOL 3000	Environmental Geology					•
GER 2600	Selected Topics in German Lit.	•				
GER 3060	German Short Story	•				
GER 3400	German Culture		•			
GER 3600	German Literature to 1832	•				
GER 3610	German Literature from 1832 to Modernism	•				
GW-ENGL 3010	Great Books of the Western World		•			
GW-ENGL 4050	The Darwinian Revolution		•			
HIST 1010	History of the U.S. (1st part)			•		
HIST 1020	History of the U.S. (2nd part)			•		
HIST 1220	History, Technology, & Society			•		•
HIST 1240	Environmental History Survey			•		•
HIST 1720	Western Civilization (1st part)			•	•	
HIST 1730	Western Civilization (2nd part)			•	•	
HIST 1930	Modern World History			•	•	
HIST 3210	History of Science					•
HIST 3220	History of Technology					•
HIST 3230	History of American Technology					•
HIST 3920	Studies in Diplomatic History					•
HIST 4240	History of Health Care					•

Abbr.	Course Title	Hum. Lit. (3 credits)	Hum. Non-Lit. (3 credits)	Soc. Sci. (6 credits*)	CCA (3 credits)	STS (3 credits)
HIST 4910	Studies in the Hist. of Sci. & Tech.					•
HLTH 4310	Public Environmental Health					•
HON 1900	Calhoun Scholars Colloquium	•				
HON 1910	Calhoun Scholars Colloquium		•			
HON 1920	Calhoun Scholars Colloquium			•		
HON 1930	Calhoun Scholars Colloquium CCA				•	
HON 1940	Calhoun Scholars Colloquium STS					•
HON 2010	Structures and Society		•			•
HON 2020	Science, Culture & Human Values			•		
HON 2030	Society, Art, and Humanities		•			
HON 2060	Controversies in Science & Technology					•
HON 2090	Border Crossings				•	
HON 2100	Experience Art		•			
HON 2200	Studies in Social Science			•		
HON 2210	Studies in Literature	•				
HON 2220	Studies in Arts and Humanities		•			
HUM 3010	Humanities		•			
HUM 3020	Humanities		•			
HUM 3060	Creative Genius in West. Cult.		•			
HUM 3090	Studies in Humanities		•		•	
IE 4880	Human Factors Engineering					•
IS 1010	International Experience				•	
IS 2100	Selected Topics in International Studies				•	
ITAL 3010	Intro. to Italian Lit.	•				
ITAL 3020	Modern Italian Lit.	•				
JAPN 3070	Japanese Civilization I		•			
JAPN 3080	Japanese Civilization II		•			
JAPN 4010	Japanese Lit. in Translation	•				
JAPN 4060	Intro. to Japanese Lit.	•				
LANG 2500	Intro. to World Languages				•	
LANG 2540	Intro. to World Cinemas				•	
LANG 3400	Cosmopolis: Myth of the City		•			
LANG 3420	Sacred and Profane Bodies		•			
LANG 3560	Faces of Evil		•			
LANG (ENGL,	Selected Topics in International Film		•			
LARC 1160	History of Landscape Architecture		•			•
MATH 2190	Introduction to Cryptography					•
MKT 4450	Macromarketing					•
MUSC 2100	Music in the Western World		•		•	
MUSC 3080	Broadway Vocal Tradition I		•			
MUSC 3090	Broadway Vocal Tradition II		•			
MUSC 3110	History of American Music		•			
MUSC 3120	History of Jazz		•			
MUSC 3130	History of Rock and Roll		•			
MUSC 3140	World Music		•		•	
MUSC 3170	History of Country Music		•			
MUSC 3180	History of Audio Technology					•

Abbr.	Course Title	Hum. Lit. (3 credits)	Hum. Non-Lit. (3 credits))	Soc. Sci. (6 credits*)	CCA (3 credits)	STS (3 credits)
MUSC 3610	*Marching Band***		•			
MUSC 3620	*Symphonic Band***		•			
MUSC 3630	*Jazz Ensemble***		•			
MUSC 3640	*Concert Band***		•			
MUSC 3690	*Symphony Orchestra***		•			
MUSC 3700	*Clemson University Singers***		•			
MUSC 3710	*Women's Glee***		•			
MUSC 3720	*Men's Glee***		•			
NURS 1400	Computer Applications for Nursing					•
NURS 3330	Healthcare Genetics					•
NUTR 2030	Principles of Human Nutrition					•
NUTR 2100	Nutrition and Physical Activity					•
PAS 3010	Pan African Studies			•	•	
PES 4760	Sustainable Food Systems					•
PHIL 1010	Intro. To Philosophic Problems		•			
PHIL 1020	Intro. To Logic		•			
PHIL 1030	Philosophy of Religion		•			
PHIL 1240	Philosophy & Its Discontents		•			•
PHIL 2100	Creation and Evolution		•			•
PHIL(CHIN)3120	Philosophy in Ancient China		•			
PHIL(CHIN)3130	Philosophy in Modern China		•			
PHIL 3160	Modern Philosophy		•			
PHIL 3170	19th Century Philosophy		•			
PHIL 3180	20th Century Philosophy		•			
PHIL 3230	Theory of Knowledge		•			
PHIL 3240	Philosophy of Technology		•			•
PHIL 3250	Philosophy of Science		•			
PHIL 3260	Science and Values		•			•
PHIL 3270	Philosophy of Social Science		•			
PHIL 3280	Philosophy of Technology of the Body					•
PHIL 3400	Technology Environ. & Sustainability					•
PHIL 3440	Business Ethics		•			
PHIL 3450	Environmental Ethics		•			•
PHIL(CHIN)4140	Philosophy of Medieval China		•			
PHYS 2450	Physics of Global Climate Change					•
PKSC 3680	Packaging and Society					•
PLPA 2130	Fungi and Civilization					•
POSC 1010	American National Government			•		
POSC 1020	Intro. to International Relations			•	•	
POSC 1030	Introduction to Political Theory			•		
POSC 1040	Intro. to Comparative Politics			•	•	
PRTM 2110	Delivery Systems for PRT					•
PSYC 2010	Introduction to Psychology			•		
PSYC 2500	Pursuing Happiness			•	•	
PSYC 2750	Applied Psychology & Transportation			•		•
REL 1010	Introduction to Religion		•		•	
REL 1020	World Religions		•		•	

Abbr.	Course Title	Hum. Lit. (3 credits)	Hum. Non-Lit. (3 credits)	Soc. Sci. (6 credits*)	CCA (3 credits)	STS (3 credits)
REL 3010	Religion in the United States		•			
REL 3020	Survey of New Testament Lit.		•			
REL 3030	The Quran		•			
REL 3060	Judaism		•			
REL 3070	The Christian Tradition		•			
REL 3090	Religious History of American South		•			
REL 3120	Hinduism		•			
REL 3130	Buddhism		•			
REL 3150	Islam		•			
REL 3350	Islam and the West		•			
RS 3010	Rural Sociology			•		
RUSS 3400	Russian Culture of the 19th Century		•			
RUSS 3600	Russian Lit. up to 1910	•				
RUSS 3610	Russian Lit. Since 1910	•				
SOC 2010	Introduction to Sociology			•		
SOC 2020	Social Problems			•		
SOC 4010	Human Ecology					•
SOC 4030	Tech, Environment and Sociology					•
SPAN 3040	Intro to Hispanic Literary Forms	•				
SPAN 3070	The Hispanic World: Spain		•			
SPAN 3080	The Hispanic World: Latin America		•			
SPAN 3110	Survey of Spanish American Lit.	•				
SPAN 3130	Survey of Spanish Literature I	•				
STAT 2220	Statistics in Everyday Life					•
STS 1010	Survey of Science and Technology in		•			•
STS 1020	Ideas, Machinery & Society		•			•
STS 1200	Topics in STS					•
STS 1710	Scientific Skepticism					•
STS 2150	Critical Approach to the Global Challenge		•			•
STS 2160	Critical Analysis of Current STS Issues					•
STS 3010	Science in Context		•			•
STS 3030	Technology, Culture, and Society		•			•
STS 4980	Creative Inquiry					•
STS 4990	Independent Study					•
THEA 2100	Theatre Appreciation		•			
THEA 2790	*Theatre Lab (tech support)***		•			
THEA 3080	Survey of Broadway Musicals I		•			
THEA 3090	Survey of Broadway Musicals II		•			
THEA 3150	Theatre History I		•			
THEA 3160	Theatre History II		•			
THEA 3170	African American Theatre		•			
WS 1030	Women in Global Perspective				•	
WS 3010	Intro. to Women's Studies		•			

SELECTED ONE- AND TWO-CREDIT ELECTIVE COURSES

AGED 1000	Orientation and Field Experience
AGM 1010	Intro to Ag. Mechanization and Business
AS 1090	Air Force Today I (two-hour course)
AS 2090	Development of Air Power I (two-hour course)
AVS 1000	Orientation to Animal, Dairy and Vet. Sciences
AVS 3020	Livestock Selection and Evaluation I (two-hour course)
AVS 3090	Principles of Equine Evaluation (two-hour course)
AVS 3110	Dairy Cattle Selection (two-hour course)
COMM 1010	Communication Academic and Professional Development
COMM 1620	Forensic Laboratory
CPSC 1040	Introduction to the Concepts and Logic of Computer Programming (two-hour course)
CU 1100	Introduction to Tutoring I
CU 1200	Introduction to Career Development
DANC 1300/1400/ 1500/1600	Tap Dance I/Jazz Dance I/Modern Dance I/Ballet Dance I
DANC 3300	University Dance Company (audition required)
ENR 1020	Introduction to Environmental and Natural Resources
ENT 2010	Selected Topics in Entomology
ENTR 1010	The Entrepreneurial Mindset (two-hour course)
FDSC 1010	Intro to Food Science and Human Nutrition
FDSC 2010	Introduction to Food (two-hour course)
FOR 1010	Introduction to Forestry
FOR 2270	Arboricultural Field Techniques I
FR 2990	Foreign Language Drama Laboratory I (consent of director required)
GC 1010	Orientation to Graphic Communications
GEOL 1000	Current Topics in Geology
GER 2990	Foreign Language Drama Laboratory I (consent of director required)
HIST 1000	Higher Education and Clemson
HIST 1980	Current History
LIB 3010	Patent Searching
LIH 1270	Introduction to Language and International Health
LIT 1270	Introduction to Language and International Trade
LS 1***, 2***	Selected Leisure Skills courses
MATH 2500	Introduction to Mathematical Sciences
MICR 1010	Microbes and Human Affairs
ML 1010	Leadership Fundamentals (two-hour course)
MUSC 1010	Beginning Class Piano
MUSC 1110	Beginning Class Guitar
MUSC 1210	Beginning Class Voice
MUSC 1510	Applied Music
MUSC 3230	Piano Accompanying
MUSC 3250	CU Carillonneurs
MUSC 3300	Small Ensemble
MUSC 3310	Pep Band
MUSC 3320	Woodwind Quintet
MUSC 3330	String Quartet
MUSC 3340	Flute Choir
MUSC 3360	Percussion Ensemble
MUSC 3370	Steel Drum Band
MUSC 3410/3420	Men’s Breakout Ensemble/Women’s Breakout Ensemble
MUSC 3430	Men’s Small Ensemble
MUSC 3440	Vocal Jazz Ensemble
MUSC 3610	Marching Band

MUSC 3620	Symphonic Band
MUSC 3630	Jazz Ensemble
MUSC 3640	Concert Band
MUSC 3690	Symphony Orchestra
MUSC 3700	Clemson University Singers
MUSC 3710/3720	Women's Chorus /Men's Chorus
PHYS 1010	Current Topics in Modern Physics
PKSC 1010	Packaging Orientation
PKSC 1020	Introduction to Packaging Science (two-hour course)
POSC 3110	Model United Nations
POSC 3120	State Student Legislature
POSC 3130	CU Model United Nations Conference
THEA 2790	Theatre Practicum
THEA 3790	Acting Ensemble (audition required)
	NOTE: Some DANC, MUSC and THEA courses may require an audition and consent of director.

AEROSPACE STUDIES (AIR FORCE ROTC)

CONTACT: Major Brock Lusk, Director of Operations, BROCKL, 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.

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 freshman for the fall semester will need to register for AS 1090 (class) and AS1091 (lab). 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 is preferred).

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-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.

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:

TECHNICAL	ENGINEERING		NON-TECHNICAL
Architecture	**Aeronautical**	**Engineering Science**	**Business Administration ****
Computer Science	**Aerospace**	**Environmental**	**Economics ****
Mathematics	**Architectural**	**General**	**Foreign Area Studies ****
Meteorology (Atmospheric Sci.)	**Astronautical**	**Industrial**	**Foreign Language ****
Physics	**Chemical**	**Mechanical**	**Management ****
Chemistry	**Civil**	**Metallurgical**	**Pharmacy**
	Computer	**Nuclear**	**Nursing**
	Electrical	**Systems**	
	Engineering Physics	**Materials Science and Engineering**	
		Ceramic	

*** 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

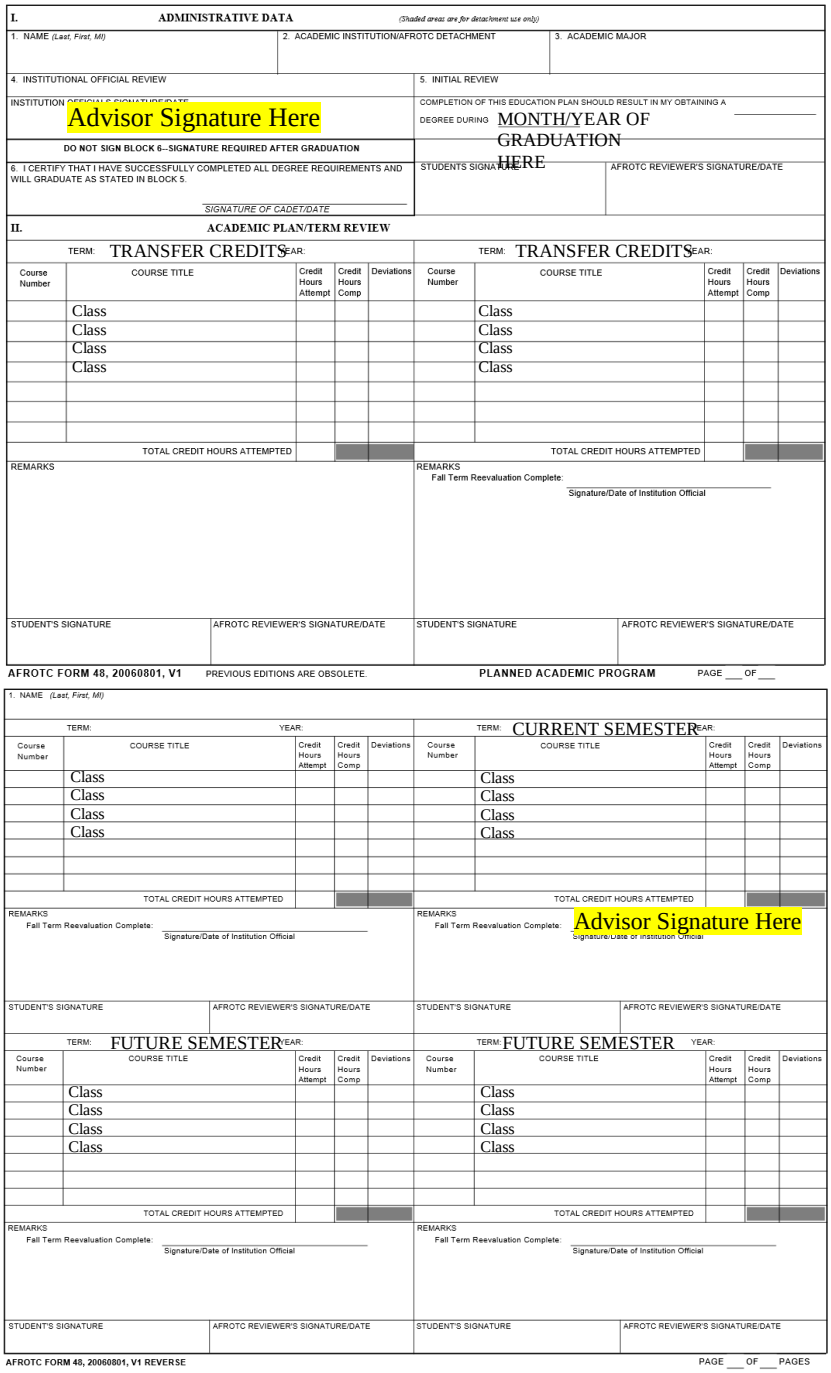
When reviewing the Form 48, advisors should understand the following:

- 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. <u>In general, summer classes and internships should not be scheduled during this time</u> to ensure the cadet can fulfill this mandatory Air Force requirement.



I. ADMINISTRATIVE DATA (Shaded areas are for detachment use only)

1. NAME (Last, First, MI) | 2. ACADEMIC INSTITUTION/AFROTC DETACHMENT | 3. ACADEMIC MAJOR

4. INSTITUTIONAL OFFICIAL REVIEW

INSTITUTION OFFICIAL'S SIGNATURE/DATE

Advisor Signature Here

5. INITIAL REVIEW

COMPLETION OF THIS EDUCATION PLAN SHOULD RESULT IN MY OBTAINING A DEGREE DURING MONTH/YEAR OF GRADUATION HERE

DO NOT SIGN BLOCK 6--SIGNATURE REQUIRED AFTER GRADUATION

6. I CERTIFY THAT I HAVE SUCCESSFULLY COMPLETED ALL DEGREE REQUIREMENTS AND WILL GRADUATE AS STATED IN BLOCK 5.

SIGNATURE OF CADET/DATE

STUDENTS SIGNATURE | AFROTC REVIEWER'S SIGNATURE/DATE

II. ACADEMIC PLAN/TERM REVIEW

TERM: TRANSFER CREDITS YEAR: | TERM: TRANSFER CREDITS YEAR:

Course Number	COURSE TITLE	Credit Hours Attempt	Credit Hours Comp	Deviations	Course Number	COURSE TITLE	Credit Hours Attempt	Credit Hours Comp	Deviations
	Class					Class			
	Class					Class			
	Class					Class			
	Class					Class			
	TOTAL CREDIT HOURS ATTEMPTED					TOTAL CREDIT HOURS ATTEMPTED			

REMARKS | REMARKS Fall Term Reevaluation Complete: Signature/Date of Institution Official

STUDENT'S SIGNATURE | AFROTC REVIEWER'S SIGNATURE/DATE | STUDENT'S SIGNATURE | AFROTC REVIEWER'S SIGNATURE/DATE

AFROTC FORM 48, 20060801, V1 PREVIOUS EDITIONS ARE OBSOLETE. PLANNED ACADEMIC PROGRAM PAGE ___ OF ___

1. NAME (Last, First, MI)

TERM: YEAR: | TERM: CURRENT SEMESTER YEAR:

Course Number	COURSE TITLE	Credit Hours Attempt	Credit Hours Comp	Deviations	Course Number	COURSE TITLE	Credit Hours Attempt	Credit Hours Comp	Deviations
	Class					Class			
	Class					Class			
	Class					Class			
	Class					Class			
	TOTAL CREDIT HOURS ATTEMPTED					TOTAL CREDIT HOURS ATTEMPTED			

REMARKS Fall Term Reevaluation Complete: Signature/Date of Institution Official | REMARKS Fall Term Reevaluation Complete: Advisor Signature Here Signature/Date of Institution Official

STUDENT'S SIGNATURE | AFROTC REVIEWER'S SIGNATURE/DATE | STUDENT'S SIGNATURE | AFROTC REVIEWER'S SIGNATURE/DATE

TERM: FUTURE SEMESTER YEAR: | TERM: FUTURE SEMESTER YEAR:

Course Number	COURSE TITLE	Credit Hours Attempt	Credit Hours Comp	Deviations	Course Number	COURSE TITLE	Credit Hours Attempt	Credit Hours Comp	Deviations
	Class					Class			
	Class					Class			
	Class					Class			
	Class					Class			
	TOTAL CREDIT HOURS ATTEMPTED					TOTAL CREDIT HOURS ATTEMPTED			

REMARKS Fall Term Reevaluation Complete: Signature/Date of Institution Official | REMARKS Fall Term Reevaluation Complete: Signature/Date of Institution Official

STUDENT'S SIGNATURE | AFROTC REVIEWER'S SIGNATURE/DATE | STUDENT'S SIGNATURE | AFROTC REVIEWER'S SIGNATURE/DATE

AFROTC FORM 48, 20060801, V1 REVERSE PAGE ___ OF ___ PAGES

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%. Additionally two-thirds of these low CMPT students earned a grade of "C" for the course. In other words, very few of the low CMPT students performed well (grade of "A" or "B") in the course. For comparison, the DWF rate for all students was 20% with 57% earning a grade of "B" or better.

CH 1010 SECTION RESTRICTIONS

CH 1010 Sections Nos.	Restriction
001 to 014	No restrictions – anyone can add!
050	Chemistry/Biochemistry majors only
051 & 052	Honors students only
201-204	RiSE students only

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:

Fall 2018 Chemistry Course	CRN for Holding Section
CH 1010 (section 999)	90023
CH 1020 (section 999)	90024
CH 2230 (section 999)	90027
CH 2240 (section 999)	90028

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 2018.
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 2018.

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 17, 2018?
Students who have not provided prerequisite proof by Friday, August 17, 2018 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.

CH 2270 REGISTRATION

Unfortunately, more students wish to take CH 2270, Organic Chemistry I Laboratory, than there are seats available due to lab space limitations. During orientation, no seats will be released. Any student wishing to take CH 2270 should submit an iROAR Course Request with an appropriate justification. Requests will be evaluated individually and used to assign any available seats. If any seats remain, they will be released prior to the first day of class, August 22, 2018.
Students may register for CH 2230, the lecture portion of Organic Chemistry I, in the fall semester and take CH 2270 the following spring semester.

CU 1000

CONTACT: Sue Whorton, whorton@clemson.edu, 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 (in-person and 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.

- Additional required module for freshman students only
    8. Clemson Educational Profile (in person; 60 minutes) – completion of nationally-normed survey that measures proficiency in reading/writing, mathematics, and critical thinking.

CROSS-CULTURAL AWARENESS REQUIREMENT

Students can fulfill this requirement through successful completion of any of the courses listed below or through a University-approved cross-cultural experience (e.g., study abroad, see section below). Cross-cultural courses can be "double-dipped" with humanities non-literature and social science general education requirements and/or the academic program. An important caveat is that general education requirements for an academic program must be met as described in the course map for the program.

CROSS-CULTURAL/HUMANITIES

The following courses satisfy the ***Humanities (Non-Literature) and Cross-Cultural Awareness*** requirements simultaneously:

ART 2100	ASL 3050	CAAH 2010	COMM 1800	HUM 3090
MUSC 2100	MUSC 3140	REL 1010	REL1020	

CROSS-CULTURAL/SOCIAL SCIENCE

The following courses satisfy the ***Social Science and Cross-Cultural Awareness*** requirements simultaneously:

ANTH 2010	GEOG 1030	HIST 1720	HIST 1730	HIST 1930
PAS 3010	POSC 1020	POSC 1040	PSYC 2500	

CROSS-CULTURAL/SCIENCE & TECHNOLOGY IN SOCIETY

The following course satisfies the ***Science and Technology in Society and Cross-Cultural Awareness*** requirements simultaneously:

AGRB 2050

OTHER CROSS-CULTURAL COURSES

AAH 1020	HON 1930	HON 2090	IS 1010
IS 2100	LANG 2500	LANG 2540	WS 1030

CROSS-CULTURAL AWARENESS REQUIREMENT – OVERSEAS EXPERIENCE

The CCA requirement may be met in one of two ways: 1) successful completion of a specific Clemson University course from the list of approved CCA courses (previous section) or 2) through a University approved cross-cultural experience. The latter method for meeting the CCA requirement includes participation in an overseas experience. In some instances, individual departments or academic programs may have additional requirements related to cross-cultural experiences and/or courses or credit hours, and it is the student's responsibility to satisfy those requirements based on the individual curriculum.

An overseas experience will fulfill the CCA requirement if the criteria listed below in sections Ia. or Ib., and II and III are met.

I. The overseas experience is either:
   a) A study abroad, internship, research, or service-learning program, military deployment, or some combination of these of at least 3 months duration; or

   b) Another type of overseas program of shorter duration (e.g., summer programs), which incorporates specific features (e.g., home-stays in a foreign language environment, a structured activity addressing intercultural issues, etc.) designed to intensify the cross-cultural experience. Shorter programs must be a minimum of four weeks in duration.

II. The student must be enrolled in and successfully complete the IS 1010 course either while abroad or upon return. IS 1010 is a zero-credit course.

III. Students who wish to enroll in IS 1010 in order to satisfy the Cross-Cultural Awareness requirement must inform the Office of Global Engagement before studying abroad that they wish to enroll in the course. The Office of Global Engagement will enroll the student in IS 1010 either during the semester they are abroad or the semester upon their return to Clemson. IS 1010 is a zero-credit hour course. To receive a grade of "P" (passing) in IS 1010, a student must satisfactorily complete a series of reflective writing assignments with a cumulative score of at least 60%. These assignments are submitted to the course instructor during the semester of enrollment, on a schedule outlined in the course syllabus.

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 pages I-27 and I-29.

MATHEMATICS

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

CLEMSON MATH PLACEMENT TEST (CMPT) OVERVIEW

- The CMPT is used to meet the prerequisites in 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.
- **Students may take the CMPT up to three times.** The highest score received will be used for placement. After taking the test for the first time, students will have access to ALEKS learning modules. These modules are designed to refresh student's 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 six months. The six-month access begins once the student opens the first module.
- **Students who wish to retake the CMPT to improve their score will be required to work through the learning modules for eight hours before taking the CMPT again.** 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 three attempts.
- Students should set aside two hours to complete the CMPT. After completing the CMPT and receiving the score, a student must wait at least 72 hours before attempting the test again to improve the score.

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

Course	Prerequisite(s) & Comments
MATH 1050 & 1051 – Precalculus	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.
MATH 1040 – Long Calculus	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.
MATH 1060 –Calculus I	CMPT ≥ 80

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

Course	Prerequisite(s) & Comments
MATH 1990 & 1991 – College Algebra	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.
MATH 1010 – Quantitative Literacy	CMPT ≥ 50 or credit for any MATH or STAT course
MATH 1020 – Business Calculus I	CMPT ≥ 60 or credit for any MATH or STAT course Typically taken by pre-business students and some science majors
MATH 1150 – Mathematics for Elementary School Teachers I	CMPT ≥ 50 or credit for any MATH or STAT course Restricted to elementary, early childhood and special education majors only
STAT 2220 – Statistics in Everyday Life	CMPT ≥ 50 or credit for any MATH or STAT course Also counts for the Science and Technology in Society general education requirement
STAT 2300 – Statistical Methods I	CMPT ≥ 65 or credit for any MATH or STAT course Student must also register for the corequisite lab, STAT 2301

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 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

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 in mid-July and again before classes begin with instructions. 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. Lori Jean, LJEAN, 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.

REGISTERING 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 is 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 semester if required are:

TECHNICAL	ENGINEERING
Architecture	**Bioengineering**
Landscape Architecture	**Chemical**
Animal & Veterinary Science	**Civil**
Biological Science	**Computer**
Computer Science	**Electrical**
Construction Science & Management	**Engineering Science**
Food Science	**Environmental**
Health Science	**General**
Mathematical Sciences	**Industrial**

Meteorology (Atmospheric Science)	**Mechanical**
Nursing	**Metallurgical**
Packaging Science	**Materials Science and Engineering**
Physics	**Ceramic**
Plant & Environmental Sciences	

The Department of Military Leadership highly recommends that students enrolled in a technical or engineering major plan complete their degrees in nine semesters depending on the number of credits they transfer to Clemson.

Upon enrollment in Army ROTC, students are assigned a Commissioning Date/Graduation Date by the Army. These dates ensures 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) that 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.

PLANNED ACADEMIC PROGRAM WORKSHEET

For use of this form, see USACC Pam 145-4, the proponent agency is ATCC-PA-C

DATA REQUIRED BY PRIVACY ACT STATEMENT OF 1974

1. AUTHORITY: Title 10, US Code 2101 and 2104
2. PRINCIPAL PURPOSE(S): To provide information and data necessary for administering the Army Senior ROTC program, processing, and managing of selected students for commissioning in the Army IAW established public law and Army Regulations.
3. ROUTINE USE(S): To provide a projected academic plan to determine if the applicant meets the public law requirements of two remaining academic years.
4. VOLUNTARY DISCLOSURE AND EFFECT ON INDIVIDUAL NOT PROVIDING INFORMATION: Voluntary information is necessary to determine eligibility of the individual for acceptance, continuance, or discontinuance in the Army ROTC program.

1. NAME OF STUDENT (LAST, FIRST, MI)	2. ACADEMIC MAJOR	2a. CIP CODE	3. AS OF DATE (MM/DD/YYYY) (Date of form preparation)

4. ACADEMIC SCHOOL	5. CREDIT HOURS — Select Semester or Quarter (S/Q): Semester	6. GRADE POINT AVERAGE (GPA)
	a. Total required for degree: 1	Term: / Curr GPA: / CUM: / Term: / Curr GPA: / CUM: / Term: / Curr GPA: / CUM: / Term: / Curr GPA: / CUM: / Term: / Curr GPA: / CUM: / Term: / Curr GPA: / CUM:
a. IDENTIFICATION (Check one): Host / Extension Center / Cross-Enrolled	(1) ROTC Hours that do not count:	Term: / Curr GPA: / CGPA: / Term: / Curr GPA: / CGPA: / Term: / Curr GPA: / CGPA: / Term: / Curr GPA: / CGPA: / Term: / Curr GPA: / CGPA: / Term: / Curr GPA: / CGPA:
b. HOST SCHOOL / c. HOST FICE	(2) Total Hours Rqd for NAPS: 1	
	Normal Academic Progression Standard: 0	
	b. Credits toward degree Comp to date:	
	c. Transfer Credits accepted:	
	d. Remaining for Degree: 1	
	e. Number of authorized S/Qs: 8	

7. TERM, YEAR, COURSE NUMBER, COURSE TITLE, COURSE CREDIT HOURS, CREDITS THAT COUNT TOWARDS ACADEMIC DEGREE, AND ACHIEVED GRADES.

a. b. c. d. e. f.

Term:	Year:				
No.	Course Title	Hrs.	Cts.	Grd.	
Total Term Hours:					

8. STUDENT INITIALS & DATE: (Have the student initial and date beside each term to indicate they have been counseled)

TERM 1:	TERM 2:	TERM 3:	
TERM 4:	TERM 5:	TERM 6:	
TERM 7:	TERM 8:	TERM 9:	

PLANNED ACADEMIC PROGRAM WORKSHEET

For use of this form, see USACC Pam 145-4, the proponent agency is ATCC-PA-C

7. TERM, YEAR, COURSE NUMBER, COURSE TITLE, COURSE CREDIT HOURS, CREDITS THAT COUNT TOWARDS ACADEMIC DEGREE, AND ACHIEVED GRADES. (CONTINUED)

g. h. i. j. k. l. m. n. o.

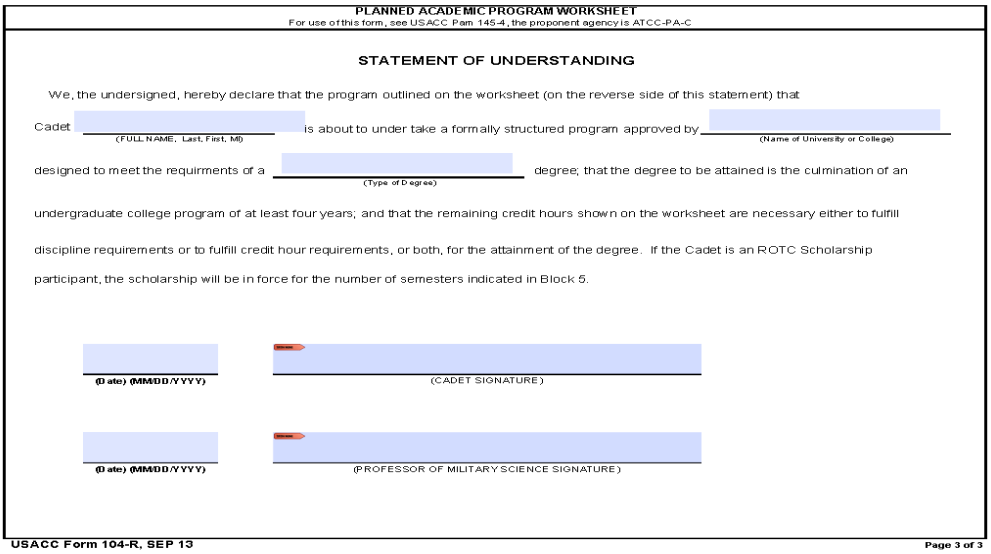
Term:	Year:				
No.	Course Title	Hrs.	Cts.	Grd.	
Total Term Hours:					

9. REVIEW: All of the above courses are required (as minimum) for the completion of the degree: ☐ Yes ☐ No (if no, list exceptions on reverside of this form).

Completion should result in _____ degree, during (Month, Year): _____

10. SIGNATURE OF STUDENT:	11. DATE: (MM/DD/YYYY)
12. SIGNATURE OF REGISTRAR AND EXAMINER OF CREDENTIALS (OR OTHER INSTITUTION CERTIFYING OFFICIAL):	13. DATE: (MM/DD/YYYY)

Advisor's signature required



PLANNED ACADEMIC PROGRAM WORKSHEET
For use of this form, see USACC Pam 145-4, the proponent agency is ATCC-PA-C

STATEMENT OF UNDERSTANDING

We, the undersigned, hereby declare that the program outlined on the worksheet (on the reverse side of this statement) that Cadet _____ (FULL NAME; Last, First, MI) is about to under take a formally structured program approved by _____ (Name of University or College) designed to meet the requirments of a _____ (Type of Degree) degree; that the degree to be attained is the culmination of an undergraduate college program of at least four years; and that the remaining credit hours shown on the worksheet are necessary either to fulfill discipline requirements or to fulfill credit hour requirements, or both, for the attainment of the degree. If the Cadet is an ROTC Scholarship participant, the scholarship will be in force for the number of semesters indicated in Block 5.

(Date) (MM/DD/YYYY) (CADET SIGNATURE)

(Date) (MM/DD/YYYY) (PROFESSOR OF MILITARY SCIENCE SIGNATURE)

USACC Form 104-R, SEP 13 Page 3 of 3

Cadet Command Form 104R – Planned Academic Program Worksheet Example

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 or Spanish 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 AND SPANISH

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 registrar for the appropriate course level.

Preparing for the exam:

1. Your high school coursework and/or prior experience with the language should have prepared you for the exam, but 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 you 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 2018 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 Martin 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 system 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.

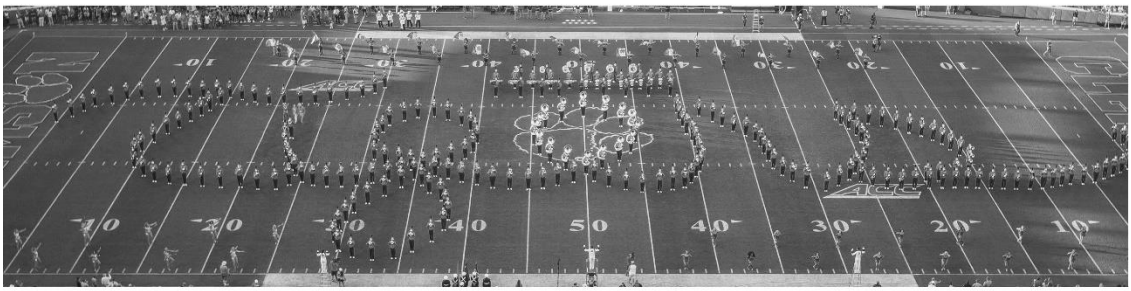
For any other language or for validating courses at the 3000-4000 level, students must complete a Request for Exemption Credit form in the Department of Languages office (717 Strode Tower) after grades are reported. When information on the form is verified, a letter of credit is sent to the Office of 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: Mark Spede, 656-3380, mspede@clemson.edu



Students interested in Symphonic Band and Jazz Ensemble can register now but will have to audition the first week of the new semester.

Tiger Band: MUSC 3610
Symphonic Band: MUSC 3620
Jazz Ensemble: MUSC 3630

Please contact Dr. Mark Spede (mspede@clemson.edu) to clear time conflicts with common exams.

Tiger Band students have higher GPA's and lower attrition rates than non-Tiger Band freshmen

Students do have time to participate in

TIGER BAND

64 of 77 majors offered at Clemson are represented in the membership of Tiger Band with the most prevalent being ENGINEERING

Tiger Band is a diverse and accepting organization on Clemson's Campus

SCIENCE AND TECHNOLOGY IN SOCIETY (STS)

CONTACT: Prof. Pam Mack, STS Program Coordinator, PAMMACK, 710-3203
http://www.clemson.edu/sts/

All students are required to take one course from the STS approved list in the *Undergraduate Announcements*. This is separate from the lab science requirement and the math or science requirement, though a few courses count for both requirements (or for both STS and humanities or STS and social science). The objective of the STS requirement is:

> *Students will study interactions among the natural sciences, technology, and society. They will explore how these systems affect each other and are affected by humans. Students will learn how to make informed decisions about science and technology in a social context.*

Several different strategies are possible for students. Students who have not already completed part of their general education requirements may want to take a course that simultaneously meets both STS and another general education requirement.

Science and engineering students should consider particularly 1) STS 1010 or STS courses in philosophy, which meet both the STS and humanities non-literature requirement OR 2) HIST 1220 or 1240 or PSYC 2750, which meet the social science requirement as well as STS. STS 1010 and HIST 1220 are offered online in the summer.

Students in a humanities or social sciences major might consider sequences in geology, biology, or chemistry that meet the lab science requirement, the math or science requirement, and the STS requirement (e.g. GEOL 1010 and 1120, CHEM 1050 and 1060, or one of BIOL 1200/1210, 1200/1220, 1200/1230, or 1200/1240 plus one of BIOL 2010, 2040, 2100 or 2200 or BIOL 2000). Students wanting to follow such a strategy should start trying to get into these courses as soon as possible.

Another strategy is to look at STS courses relevant to the student's major or special interests, even if it does not meet two requirements at once. Students in engineering might want to take environmental science or environmental sociology. Small specialized STS courses are offered in a wide range of departments, though many of these courses are small sections sometimes taught only once a year and may fill up fast. A few departments offer special STS courses for majors, but in most cases, students are encouraged to take a course that will expose them to a new way of thinking.

Approved STS Courses:
AGED (EDF) 4800, AGRB 20502, (ECON) 4570, AVS 3150, 4150, BIOL 2000, 2010, 2030, 2040, 2100, 2110, 2200, 4730, CH 1050, 1060, COMM 1070, 3070, CPSC 2920, CTE 1150, 2210, ECE 1010, ECON 3190, (AGRB) 4570, EDF (AGED) 4800, ENGL 3490, ENGR 2200, 2210, ENR 3120, (FOR) 4160, ENSP (GEOL) 1250, 2000, (PES) 3150, 4000, ENT 2000, FDSC 2140, FOR (ENR) 4160, GEOL 1120, 1200, (ENSP) 1250, 2700, 3000, HCG (NURS) 3330, HIST 1220, 1240, 3210, 3220, 3230, 3920, 4240, 4910, HLTH 4310, HON 1940, 2010, 2060, IE 4880, LARC 1160, MATH 2190, MKT 4450, MUSC 3180, NURS 1400, (HCG) 3330, NUTR 2030, 2100, PES (ENSP) 3150, PES 4760, PHIL 1240, 2100, 3240, 3260, 3280, 3400, 3450, PHYS 2450, PKSC 3680, PLPA 2130, PRTM 2110, PSYC 2750, RS (SOC) 4010, SOC (RS) 4010, 4030, STAT 2220, STS 1010, 1020, 1200, 1710, 2150, 2160, 3010, 3030, 4980, 499